

# Luminex<sup>®</sup> II

## USER GUIDE



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Stenograph. Adjustable LCD Screen Assembly for Writing Machine. U.S. patent 7,403,375, filed May 27, 2005, and issued July 22, 2008.

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## **Congratulations**

We strongly encourage you to read this User Guide and practice using your writing machine according to the instructions contained therein. This will allow you to become comfortable and familiar with it before taking it on a job or into class.

The Luminex II is equipped with a Full Glass Capacitive touch screen for viewing steno or text and interacting with what is displayed.

The Luminex II comes with a built-in rechargeable battery. Advanced battery technology prevents the battery from overcharging so you don't have to worry about leaving the writer plugged into an electrical outlet for extended periods of time.

EasyLock™ LMXII tripod positioning with a positive-locking mechanism provides smooth and easy set up. Simply open and set the tripod on the floor and place your machine on it according to the instructions in this guide. The design of the tripod assures a smooth, even writing platform for you to enjoy. A tilt-mechanism enables the writer to be tilted 70 degrees forward and backwards to suit your personal preference.

Weighing in at only 3.65 pounds, the Luminex II lightens your load when carrying it from place to place.

Remember to check the Stenograph® web site, [www.stenograph.com](http://www.stenograph.com), for updates to the Luminex II. The Luminex II was designed with you in mind. We are confident you'll enjoy using it!

STENOGRAPH

## The Importance of Working Comfortably and Effectively

Stenograph believes that the Luminex II shorthand machine, when used in compliance with the enclosed instructions and information, is safe. Certain sources, though controverted, suggest a relationship between injuries of the hands and forearms with prolonged use of any type of keyboard or other equipment involving repetitive movements of the hands. At the same time, other sources indicate that there is no such cause and effect.

The safety and well-being of persons using Stenograph equipment is of paramount concern and because we recognize that these medical and scientific questions are not definitively resolved, Stenograph encourages all users of our writers to carefully review the following Work Area Checklist and to use appropriate work habits. Remember, personalizing your environment so that it is comfortable for you, promotes a healthy physical and mental work lifestyle.

The following Work Area Checklist is not intended to be all inclusive but a guideline for you to use. Only you can determine what is best for you. Use the checklist to assess and adjust your work area to suit your own needs. Personalizing your environment so that it is comfortable for you promotes a healthy physical and mental work lifestyle.

### At Your Luminex II

- Use a comfortable chair conducive to correct posture.
- Adjust the height of the shorthand machine appropriately for your body.
- Position the shorthand machine comfortably close to you.
- Place the tripod between your knees. Do not sit "sidesaddle".
- Minimize the use of the shorthand machine on surfaces other than the tripod stand.

### At Your Computer

- Place the monitor screen perpendicular to the window to help avoid glare.
- Adjust or close window coverings.
- Arrange materials such as reference books or a telephone close to you to help avoid excessive reaching or twisting.
- Clear the area under and around the desk to leave room for your feet and legs.
- Remove sources of distraction around the monitor.
- Keep noise to a minimum.
- See accompanying materials provided by the computer keyboard manufacturer.

### Your Body

- Take frequent breaks to stretch or exercise.
- Maintain a straight wrist position.
- Avoid resting your wrists while writing.
- Keep your hands level with your forearms.
- Let your fingers curve naturally.
- Let your forearm go up and down a little when you write, pivoting at the elbow, not at the wrists.
- Pull your steno machine comfortably close to you.
- Keep your feet on the floor or supported by a footrest.
- Support your lower back.
- Assure that your knees are bent at an angle of 90° or more and your thighs at an angle of 90° or greater in relation to your torso.
- Adjust the chair position and your posture throughout the day.
- If you experience any aching, numbing, or tingling in your arms, wrists, or hand, consult a qualified health care professional.

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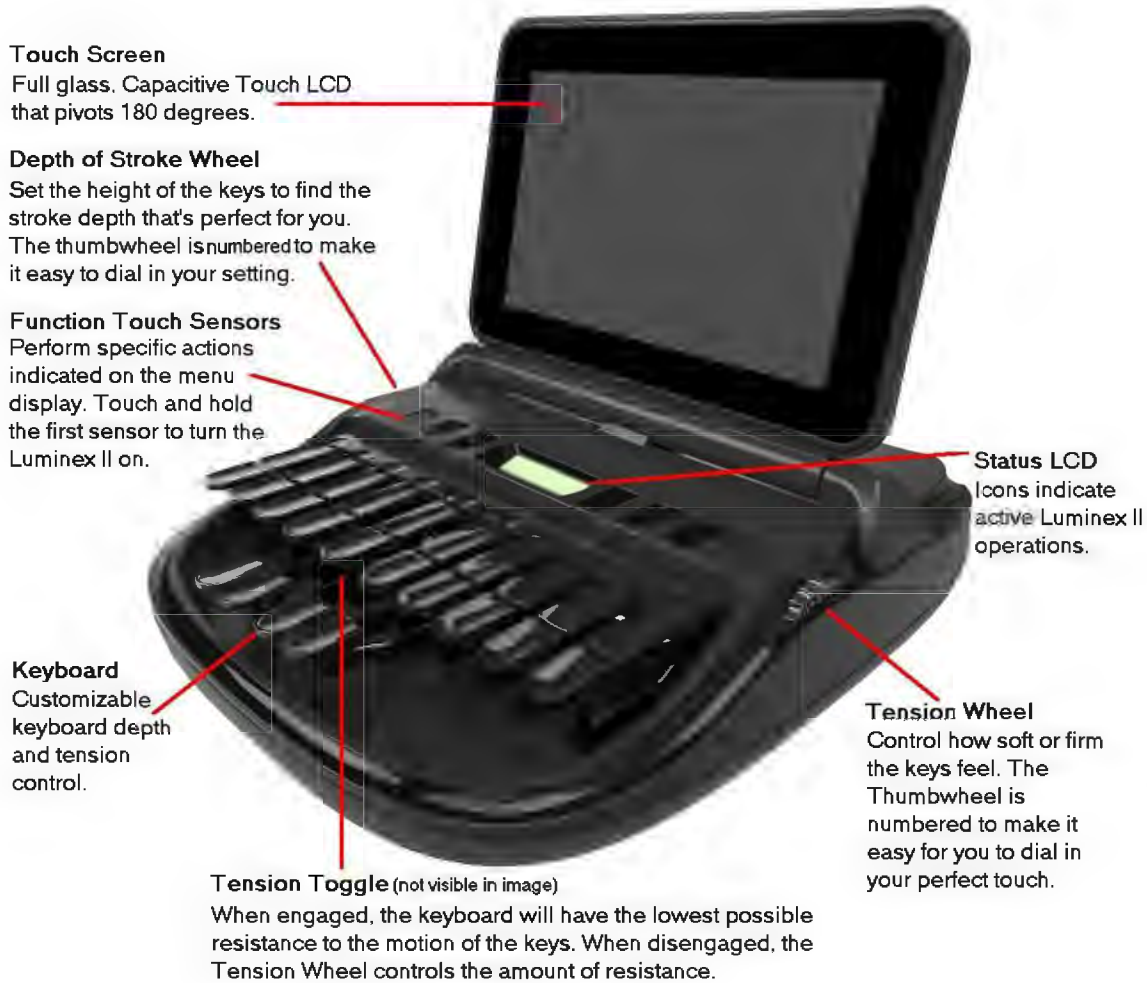
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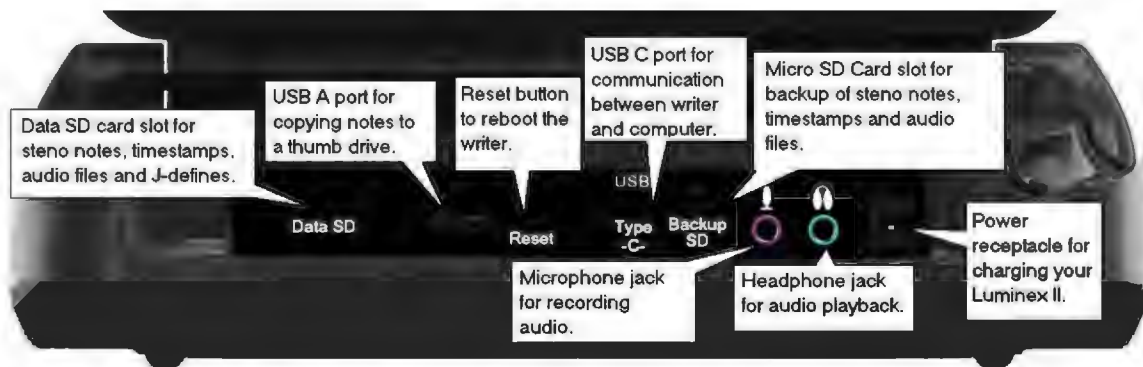
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### View of the Luminex II Front



### View of the Luminex II Back



Chapter 1, *Introduction*, highlights the features of your Luminex II and outlines the organization of this guide.

## **Package Contents:**

**Your new Luminex II comes with the following items:**

- Tote Bag
- EasyLock™ LMXII tripod
- Global Charger with North American plug
- 1 Data SDHC card, (8 GB)
- 1 Backup Micro SDHC card, (8 GB)
- USB SD card reader for computer
- USB Type-C cable (6 ft.)
- Stenograph high-sensitivity microphone
- Optical-quality spray cleaner and cleaning cloth
- Stenograph One-Year Commercial Warranty document
- Quick Start Guide.

## User Guide Overview

This Luminex II User Guide contains the following chapters with related topics.

### **Chapter 1: Introduction**

Introduction summarizes each chapter in this User Guide and introduces you to the features of the Luminex II.

### **Chapter 2: Hardware**

Hardware explains the various components of the Luminex II and how to use them.

### **Chapter 3: Writing on the Luminex II**

Writing on the Luminex II explains all the software features of the Luminex II used for setup before you begin writing and while writing a job. These includes features such as loading dictionaries, setting audio options, customizing the tilting screen, searching steno and text and changing the tilting screen view.

### **Chapter 4: Troubleshooting**

Troubleshooting suggests possible solutions to some common situations that you may encounter when using the Luminex II.

### **Appendix A: Updating Luminex II Software**

Updating Luminex II Software instructs you how to download available updates for your Luminex II from the Stenograph web site.

### **Appendix B: Luminex II Utilities**

Luminex II Utilities provides instruction on how to load an RTF/CRE dictionary on the Luminex II, convert Luminex II files from Date and Time format to Stentura compatible format, personalize the Luminex II splash screen, retrieve jobs from a Backup SD card, view TrueStroke® data, backup and restore writer settings information, copy log file information to your computer for use by Technical Support.

### **Appendix C: Luminex Transition Quick Start**

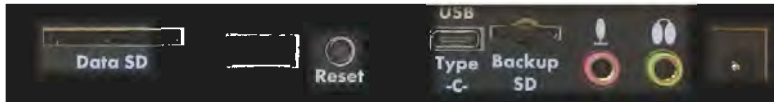
Appendix C focuses on the features and settings new to the Luminex II. If you are transitioning from the Luminex writing machine to the Luminex II, you may find this section is all you need to begin using the Luminex II.

## Luminex II Feature Details

The Luminex II provides you with the following features:

- Full-Color, High Resolution LCD Touch Screen which pivots a full 180 degrees.
- Six capacitive touch sensors. The first one on the left turns the Luminex II on and off.
- Numbered Depth of Stroke and Tension adjustment wheels.
- View text, steno notes or text and steno notes simultaneously.
- Realtime ready through USB, virtual serial port, Bluetooth and WiFi.
- Backup SD card saves steno notes, timestamps and audio.
- Data SD card saves steno notes, timestamps, job dictionary and audio.
- Record and playback audio with optional microphone and headset.
- Adjustable digital clock with month, date, and time.
- Adjust beeper volume.
- Adjust screen brightness and text color and font size.
- Screen Saver Option
- Update Luminex II software from Internet download via USB.
- Date and timestamp note files.
- Automatically load main and job dictionaries.
- J-Define entries into a job dictionary.
- A/An resolution, Auto-Conflict, Brief It and suffix handling options.
- Search for and display the previous or last Question, Answer, untranslate, StenoMark, or steno string.
- Touch Screen scrolling of text and steno notes.
- Touch Screen adjustment of text font size.
- Keyboard and individual key sensitivity adjustments.
- Reopen an existing files for readback and audio playback.
- Option to use Opus Audio or Wav Audio formats.
- Service reminder message to help you keep the Luminex II operating at peak performance.

Chapter 2, *Hardware*, provides information about the hardware components of your Luminex II. This includes details on battery charging and use; communication ports and setup; function touch sensors for accessing menus; touch screen, status LCD icons; adjusting the Tilting screen; resetting the writing machine; and assembling and attaching the tripod.



Luminex II Ports

- Data SD port holds your SD Data Card.
- Standard USB port is designed for a thumb drive for copying files.
- Reset button reboots your Luminex II.
- USB Type-C port holds the USB Type-C end of your USB cable for USB communication between writer and computer and/or as a virtual serial connection to CAT systems that do not support Stenograph's USB communications protocol.
- Micro Backup SD port holds your micro Backup SD card.
- Microphone jack when recording audio.
- Headphone jack for monitoring live audio and/or audio playback.
- Power receptacle for charging the Luminex II.

## Battery

The Luminex II comes with one main rechargeable battery and an AC adapter/charger. You can operate your writing machine on battery power or using the AC adapter/charger with the main battery charging. Although you can use the Luminex II with the AC adapter/charger, Stenograph recommends that you fully charge the battery before first time use.

The main battery, fully charged, operates all the features on the Luminex II for approximately 12 hours. The charging time for the main battery is approximately 5 - 6 hours.

The main battery provides a FailSafe mode if the charged level of the main battery becomes too low and you are not using the AC adapter/charger or do not have your USB Type-C cable plugged into a powered computer. In FailSafe mode, the tilting screen, Bluetooth and WiFi communication turn Off. Your steno notes and audio continue to be written to the Data and Backup SD cards and, if you are writing realtime via a USB connection, steno notes are sent to the realtime screen. Steno notes also continue to be stored in memory. FailSafe mode may last up to 3 hours. The Luminex II retains the date, time and user settings during FailSafe mode. Charging the Battery when the Luminex II is powered by the AC adapter/charger maintains the main battery level. The batteries fully charge in 5 - 6 hours. You can use your writing machine while the AC adapter/charger charges the battery. The Luminex II battery fully charged operates all features for approximately 12 hours and then will go into FailSafe mode which may last up to 3 hours.

## Charging the Battery

When the Luminex II is powered by the AC adapter/charger, the main battery level is maintained. The batteries fully charge in 5 - 6 hours. You can use your writing machine while the AC adapter/charger charges the battery. The Luminex II battery fully charged operates all features for approximately 12 hours and then will go into FailSafe mode which may last up to 3 hours.

The Luminex II battery only charges when needed. Once the batteries are charged, it is not necessary to keep the writing machine plugged into the AC adapter/charger, however, keeping the writing machine plugged in does not damage the battery. If you are connected via the USB Type-C USB cable to a computer that is powered On, the Luminex II battery can be charged. If you are not going to use your Luminex II for an extended period of time, Stenograph recommends keeping the Luminex II plugged into the AC adapter/charger. If the Luminex II is not in use for a long period of time while disconnected from the AC adapter/charger, it is important to fully charge the battery before use and to check the date and time setting on the writer.

Use only the AC adapter/charger supplied with your Luminex II. The Luminex and Diamante® AC adapter/charger will charge the Luminex II if your Luminex II AC adapter/charger is not available. All other chargers designed for other Stenograph writing machines do not power the Luminex II. Although previous Stenograph writing machine AC adapter/charger may fit the Luminex II, they will not charge the Luminex II battery.



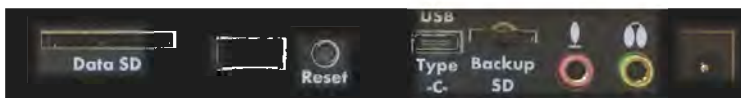
## Turning the Luminex II On and Off

On either side of the Status LCD are three touch sensitive sensors. **The far left sensor turns the Luminex II On and Off.** Touch the On/Off sensor for a few seconds or until the splash screen appears on the tilting display in order to turn the Luminex II On. To turn the Luminex II off, touch the On/Off sensor until you hear the beep. The Luminex II turns on automatically when you plug in the AC adapter or you connect it to your computer via the USB cable.

## Battery Charging Procedure

### To charge your Luminex II battery:

1. Plug the AC charger/adapter into a wall outlet.
2. Insert the small plug on the AC adapter/charger cord into the AC adapter/charger socket on the back of the Luminex II.



3. The Luminex II turns On. A black dot in the lower right corner of the Status LCD indicates the Luminex II is On. A row of running blocks indicates the battery is charging. If you plug your Luminex II in to charge and only the black dot displays, the batteries are charged. Charging is not necessary and no charging occurs.
  - You can use the Luminex II while the battery charges. The running blocks do not display while writing but the Luminex II continues to charge.
  - You can also turn off the Luminex II while it is charging. The tilting screen turns off but the Luminex II remains On while charging as indicated by the black dot on the Status LCD.

## Viewing Battery Charging Procedures

The Tilting screen and the Status LCD display graphic indicators reflect the charging status of the battery. Use the [Battery Voltage Level](#) feature to see specific battery voltage levels, current charging status and the most recent charging history.

When the AC adapter/charger is connected to the Luminex II charging the battery, the title bar on the tilting screen displays a battery icon with the battery gauge showing running black and yellow stripes. When the batteries are fully charged, a plug icon replaces the battery charging icon until you disconnect the AC adapter/charger.



**Battery Charging**



**Battery Fully Charged**

When the battery is charging, the Status LCD displays black bars in running sequence from left to right. The black bars are not visible when you are writing, but reappear when you close the job. When

the Luminex II is finished charging, the black bars move from each side of the screen to the middle of the screen in a “clapping” motion.



Touching the Battery Gauge icon opens the Status Information screen. This is equivalent to pressing **More...**, **Status** from the opening screen. This can be used to quickly see the battery voltage level.

### View Battery Voltage Level

The Battery diagnostic screen displays the voltage level and charging status.

#### To view battery voltage and charging status:

1. Make sure the charger/adaptor is not plugged into the Luminex II. If you just disconnected the charger/adaptor from the Luminex II, turn the Luminex II On and wait 10 – 15 minutes to get an accurate battery voltage reading.
2. From the Opening menu, touch **More**.
3. Touch **Diag** and then touch **Battery**. The battery status screen displays.



Battery:



Voltage: 3.939V  
State: Not Charging



4. Review the following battery information:


- Indicator bar - provides an approximate indication of the battery voltage level. Green indicates the battery is fully charged; yellow indicates it is charged and red indicates it is low.
- Voltage - the actual voltage amount. A main battery reading of 4.07 volts or higher indicates normal operating voltage. 3.6 volts or below indicates the battery is very low and the titling screen will turn off and Failsafe mode will occur if battery is not charged.
- State - displays whether the battery is charging or not charging.

5. When finished, touch **OK, Quit**. To display the Opening menu, touch **More**.

Alternatively, touching the Battery Gauge icon  opens the Status Information screen. This is equivalent to pressing **More...**, **Status** from the opening screen and can be used to quickly see the battery voltage level.






### Low Battery Warnings

As the main battery becomes progressively low, the battery indicator on the writer's title bar will change from green to yellow to red indicating a drop in battery voltage. The Luminex II displays warnings messages on the tilting screen and will beep to indicate the battery voltage is getting low. Once the Luminex II switches to FailSafe mode, the battery icon on the Status LCD blinks. When the main battery becomes low while the Luminex II is connected to a computer with the USB Type-C USB cable during realtime, low battery messages continue to display until the battery is depleted but the writer will not beep. The USB Type-C USB cable plugged into a powered computer may be able to charge the battery but may not begin charging immediately if the battery is in a very low voltage state. The battery indicator on the title bar may reflect that it is charging, but it may not actually be charging if the battery voltage is extremely low.

Use the Luminex II Diagnostic feature to check the specific [voltage level](#) of the battery. Alternatively, touching the Battery Gauge icon  opens the Status Information screen. This is equivalent to pressing **More...**, **Status** from the opening screen and can be used to quickly see the battery voltage level.

### Battery Gauge

The battery gauge on the title bar of the Tilting screen provides a general indicator of the battery voltage level. Touching the Battery Gauge icon opens the Status Information screen. This is equivalent to pressing **More...**, **Status** from the opening screen and can be used to quickly see the battery voltage level. The Status Information screen provides voltage information for the battery. The Battery Gauge icon changes appearance as the voltage level of the battery changes:

-  an electrical plug with a full green gauge indicates the Luminex II is plugged into the AC adapter/charger and the main battery is fully charged.
-  a battery with a full green gauge indicates the main battery is fully charged. As the charge of the battery level drops, the green bar becomes smaller.
-  a battery with a partial yellow gauge indicates the battery is low.
-  a battery with a short red gauge indicates the battery is almost completely drained. The battery icon flashes on and off.
-  a battery with black and yellow running stripes indicates the Luminex II is plugged into the AC adapter/charger and the batteries are charging.

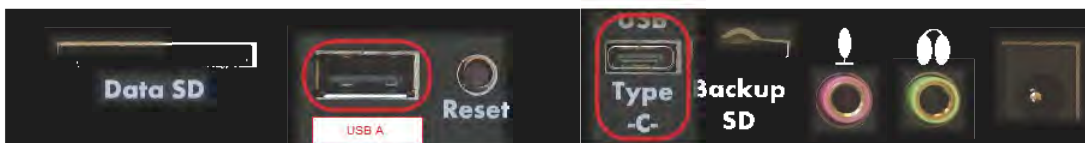
### **Battery Messages**

The Tilting screen displays two warning messages as the main battery level becomes low:

- Battery, Danger -- Battery Low.
- Battery, Danger -- Recharge Battery Now.

## Communication Ports

There are two types of USB ports on your Luminex II. The standard USB A (host) port allows you to insert a thumb drive to copy files from the memory or from the Data SD card. The USB Type-C (client) port provides connection access for the USB realtime cable between the writing machine and Case CATalyst and any other CAT system that supports the Stenograph USB protocol. The USB Type-C port also allows for a virtual serial connection for other CAT systems. To use the USB cable connection, it is necessary to install the Luminex II USB drivers.



### Install the Luminex II USB Drivers USB:

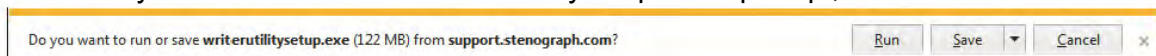
The Luminex II USB driver must be installed on your computer in order to write realtime with the USB Type-C cable, load dictionaries and install updates. The USB driver installation also installs the USB driver that creates a virtual serial port. If your CAT vendor does not support a USB realtime connection, the driver allows for serial communication between the Luminex II and other CAT software. See [USB Virtual Serial Port Communication](#) for more details.

You can use the USB Realtime and Read communications with USB compatible CAT software such as Case CATalyst version 4.096 or higher.

You can easily download the Luminex II USB drivers and utilities to personalize your Luminex II, convert writer files and access the Luminex II User Guide by going to [stenograph.com/utilitycd](https://stenograph.com/utilitycd).

**Depending on your settings, clicking the link will automatically start the Stenograph Writer Utilities download.**

1. At the Do you want to run or save writerutilitysetup.exe... prompt, select to do one of the following:

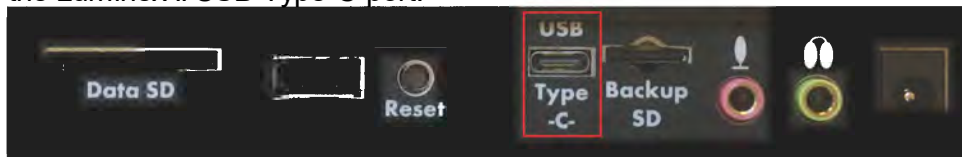


- To run the Writer Utility Setup, select **Run**. The Stenograph Utility Setup screen displays.
- To Save the setup file to your hard disk, select **Save**. If you selected Save, once the exe is downloaded, do one of the following:



- To run and install the Writer Utility setup, select **Run**. The Stenograph Utility Setup screen displays.
  - To open the folder where the Writer Utility was installed, click **Open folder**.
  - To display the Download folder contents, click **View downloads**.
2. Once the writer utility program is downloaded, you can install the Luminex II drivers. Turn your computer On and make sure it is fully booted.
  3. Turn your Luminex II **On**.

4. Plug the USB cable into your computer's USB port and the USB Type-C end of the USB cable into the Luminex II USB Type-C port.



Luminex II Back Port Panel

5. Navigate to the location where you installed the Stenograph Utility files. At the Writer Utilities main menu, click the **Install USB Drivers** button and the drivers will begin to install.
6. Once the drivers install, the Stenograph Writer Drivers Setup Complete dialog box displays. Touch **Enter** (Finish) to close the wizard.

### Powering with the USB Cable

When the Luminex II is connected to your computer for realtime via the USB Type-C cable, the main battery continues to power the writing machine. In most situations, the USB port can power the Luminex II and may charge the battery when the main battery is not fully charged.

When the main battery becomes low while using the USB Type-C connection, low battery messages display on the Luminex II, but all features continue to operate. The USB port provides power to run all the Luminex II components except Bluetooth communications. When powered by the USB Type-C port, the Luminex II tilting screen displays at about half of the Backlight brightness setting.

To use the USB Type-C cable, you must install the Luminex II USB driver on your computer.

### Updating with the USB Cable

Software updates for your Luminex II, when available, can be easily downloaded from the Stenograph web site. Once downloaded onto your computer, you can load the software update onto your Luminex II over a USB cable. To update Luminex II software, see [Appendix A](#) more information about updating the Luminex II.

### Connect for realtime writing

**To connect your Luminex II to your computer for realtime writing, you must have one of the following:**

- a USB cable connection which requires using a USB compatible CAT software, such as Case CATalyst V4.096 or higher. A USB Type-C cable is included with your Luminex II. Check with your CAT software vendor for compatibility information.
- a virtual serial port connection via the USB Type-C cable. The virtual [serial port connection](#) is compatible with any CAT software that accepts a serial connection and Stentura protocol.

- download Stenograph Bluetooth application to your computer.
- a WiFi Network for a WiFi connection between the Luminex II and Case CATalyst.

### USB Type-C Cable Communications


You must be using a USB compatible CAT software and have installed the Luminex II USB driver on your computer.

1. Ensure your Luminex II and computer are turned On and are fully booted.
2. Each end of the USB cable has a different connection plug. Insert the USB Type-C end of the USB cable into the USB Type-C port on the back of the Luminex II and the other end into a USB port on the computer.



3. Start your CAT software.
4. Set your realtime options. In Case CATalyst V16.04 and higher, select Stenograph Writer USB on the Translate Realtime tab.
  - In Case CATalyst V10 - V16.03, select Diamante - USB or élan - USB.
  - In Case CATalyst V4.096 - V9, select élan - USB.
  - Please check with your CAT software vendor if you are not using Case CATalyst.
5. Write a few strokes on the Luminex II before starting realtime. If you loaded a dictionary onto your Luminex II, the translated steno displays on the tilting screen.

The USB realtime connection allows you to disconnect and reconnect the USB cable and maintain the realtime connection. For example, if you disconnect from the USB port to report a bench conference and then reconnect when finished, the USB realtime connection will feed the strokes written during the bench conference. Please check with your CAT vendor to see if this capability is available with your CAT software if you are not using Case CATalyst.
6. When you are finished writing realtime using a USB cable, it is important that you complete the following steps in order. This ensures your computer shuts down properly.
  - Touch **End** on the Luminex II to close the file. If the option, *Prompt to confirm ending job* is active, touch **End** again at the prompt.
  - Close and save the realtime file.
  - Unplug the Luminex II USB cable from your computer and the Luminex II.

 If the USB realtime connection is active when you take a break, the [realtime screen may not display new steno](#) strokes when you resume writing. This may happen when the USB port becomes

inactive after remaining idle for a period of time. If this occurs, disconnect the USB cable from the back of the Luminex II and reconnect it. The realtime file is not affected. Reconnect the cable to display the new steno strokes on the realtime screen.

### USB Virtual Serial Port Communications

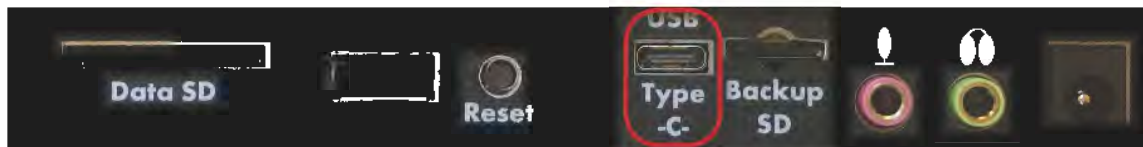
You must have installed the Luminex II virtual serial port driver on your computer. The virtual serial port driver installs when you install the USB driver. The virtual serial port uses Stentura protocol for realtime communications and reading notes. For more information on the virtual serial port, see [Communication Ports](#).

If you leave the USB realtime connection active when you take a break, the realtime screen may not display the new steno strokes when you resume writing. This is a function of the computer USB port becoming inactive when it remains idle for a period of time. To avoid an inactive connection when using the virtual serial port communications via a USB cable, it is important to check the power management settings to ensure the USB port does not turn off when idle.

Virtual serial port communications via the USB Type-C cable does not allow you to disconnect and reconnect the USB cable and maintain the realtime connection. For example, if you disconnect from the virtual serial port connection to report a bench conference and then reconnect when finished, strokes written during the bench conference will not be sent to CAT software. Also see USB Communication information on the [Mira Emulation](#) option.

#### To establish USB virtual serial port communication:

1. Ensure your Luminex II and computer are turned On and are fully booted.
2. Each end of the USB cable is different. Insert the USB Type-C end of the USB cable into the USB Type-C port on the back of the Luminex II and the other end into a USB port on the computer.



3. Start your CAT software.
4. Set your realtime options. This is a virtual serial port communication via the USB Type-C cable. Ensure the appropriate COM port is selected. Depending on your CAT software, it may be necessary to select Stentura as the realtime writing machine.
5. Write a few strokes on the Luminex II before starting realtime. If you loaded a dictionary onto your Luminex II, the translated steno displays on the Tilting screen.
6. When you are finished writing realtime using the virtual serial port connection, it is important that you complete the following steps in order. This ensures your computer shuts down properly.
  - Touch **End** on the Luminex II to close the file. If the option, *Prompt to confirm ending job* is active, touch **End** again at the prompt.
  - Close and save the realtime file.



- Unplug the Luminex II USB cable from your computer and the Luminex II.

### Wireless Communication

The Luminex II comes with built-in WiFi and Bluetooth communication capabilities for wireless realtime writing. You can also export your Case CATalyst dictionary to your Luminex II via WiFi. You can have multiple network profiles depending on different work locations, if needed. The Luminex II WiFi feature allows realtime communication with Case CATalyst versions 16.06, 17.54, 18.56, 19.05 or higher. The ability to export Case CATalyst dictionaries, Spell Check Wordlist and/or Prefixsuffixrules.ini file is available in Case CATalyst 16.06 or higher. All Luminex II WiFi wireless features require that Case CATalyst is loaded on a computer with Windows® 7, Windows 8 or Windows 10. Your computer must be wireless enabled or have a network interface card (NIC).

### Bluetooth Communication

Stenograph Bluetooth desktop application allow allows wireless communication between the Luminex II and Case CATalyst or a Windows based 32-bit or 64-bit CAT system on your Windows® 11 and 10 notebook computer. Stenograph provides Luminex II wireless support for the Luminex II Bluetooth Wireless Communication when Stenograph Bluetooth desktop application is used.

**Bluetooth is turned Off by default. To access the Bluetooth communication settings, do the following:**

1. From the Opening menu, touch **Setup** and then touch **Wireless**. Touching the Wireless icon  on the title bar menu is equivalent to pressing **Setup, Wireless** from the opening menu. See the Stenograph Bluetooth Wireless Communication guide on [www.stenograph.com](http://www.stenograph.com) under “Drives and Utilities” for information on Bluetooth wireless communication computer set up, configuration and use.
2. At the Wireless menu, touch **Bluetooth**. The Bluetooth Information screen displays.
3. If Bluetooth is **On** and configured, Bluetooth information displays. If Bluetooth is Off, then Bluetooth powered off displays. If Bluetooth is On and you want to turn it Off, touch **On/Off**.
4. To exit the Bluetooth screen, touch **Quit**. To return to the Opening menu, touch **Quit, More** and then **Quit**.

See the Stenograph Bluetooth Wireless Communication guide on [www.stenograph.com](http://www.stenograph.com) under “Drives and Utilities” for information on Bluetooth wireless communication computer set up, configuration and use.

### WiFi Communications

The Luminex II comes with built-in WiFi and Bluetooth communication capabilities for wireless realtime writing. You will need to establish communications with a network to write via WiFi to Case CATalyst. See [Establish WiFi Communications](#) for establishing communications with your network. The Luminex II WiFi feature allows realtime communication with Case CATalyst versions 16.06, 17.54, 18.56, 19.05 or higher. The ability to export Case CATalyst dictionaries, Spell Check Wordlist and/or Prefixsuffixrules.ini file is available in Case CATalyst 16.06, 17.54, 18.56, 19.50 or higher. All Luminex II WiFi wireless features require that Case CATalyst is loaded on a computer with Windows®

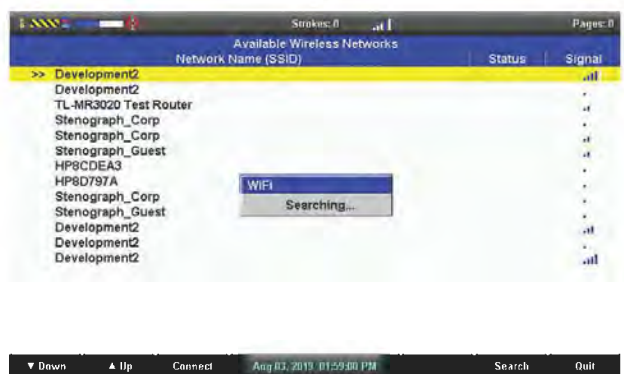
7, Windows 8 or Windows 10. Your computer must be wireless enabled or have a network interface card (NIC).

**NOTE:** There are some networks known as “wireless client isolation” networks where WiFi-connected devices are only permitted to communicate to the internet and are not allowed to communicate with other devices. In other words, if your Luminex II is connected to a “wireless client isolation” network, you will not be able to establish WiFi communications between your Luminex II and Case CATalyst because they are not allowed to “talk” to each other.

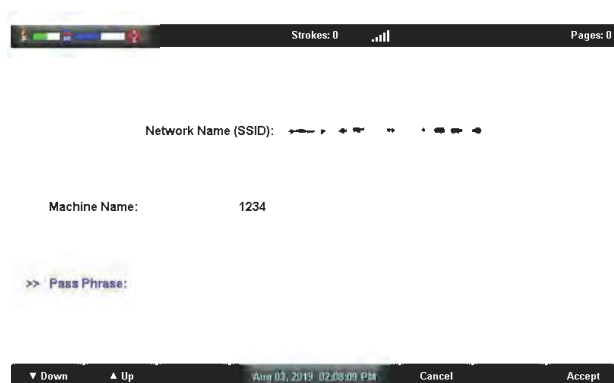
1. From the Opening menu, touch **Setup, Wireless, WiFi**. Touching the Wireless icon  also opens the Wireless screen.




2. To find available networks, touch **Search**. When the Luminex II finds an available network or networks, the following screen displays, do **any** of the following:



- Touch the **Down** or **Up** sensor to move to and highlight the network you want. Touch the **Connect** sensor to connect to the network. Go to Step 3.
  - If no networks or the network you were looking for is not displayed, touch the **Search** sensor to search again.
  - Touch the **Quit** sensor to return to the Wireless screen.
3. At the Machine Name and Pass Phrase screen, do the following:




- Use your steno keyboard to enter the Pass Phrase for your network. To write an alphabetical character in a Pass Phrase field, write the steno characters with -FPLT to be capital letters and steno characters alone to be lower case letters. For example, to write a capital V, you might write SR-FPLT. To write a lower case v, you might write SR. Use the writer's number bar, if applicable, to write numbers. For example, to write the number 5, you might write the number bar and A. If you do not have a number bar on your writer, write the steno defined as the appropriate number. If you make a mistake, press the \* (asterisk) to delete the previous character or characters. Verify your pass phrase is correct. Make sure that there are no spaces in between letters or numbers, you have the correct capitalization and that it fully matches your password on the network.
  - Touch the **Up** sensor to move to the Machine Name to personalize it. When you start Case CATalyst translation with a WiFi connection, you will be prompted to select your Luminex II by name. If you work in an environment where several reporters are using the Luminex II with a WiFi connection, you may want to personalize the name of your Luminex II. Press the \* (asterisk) on your writer to delete the existing name and use your steno keyboard to input the name of your Luminex II.
  - Once you have the information entered, touch the **Accept** sensor to establish a connection. The WiFi screen displays the status.
  - Touch the **Cancel** sensor to return to the WiFi screen.
4. Touch the Quit sensor to return to the Setup menu.

If for some reason you lose the WiFi connection between your Luminex II and Case CATalyst, perhaps during a lunch break or out of range situation, you can try to manually reconnect. On your Luminex II with your realtime file still open on your computer and Luminex II, touch the **More** sensor, **Setup, Wireless, WiFi, Manage** and then the **Connect** sensor. Touching the Wireless icon  is a fast way to open the Wireless screen. If WiFi is powered on, the WiFi Information screen will open automatically. Once the WiFi reconnects, you can continue writing realtime.

**NOTE:** There are some networks known as “wireless client isolation” networks where WiFi-connected devices are only permitted to communicate to the internet and are not allowed to communicate with other devices. In other words, if your Luminex II is connected to a “wireless client

isolation” network, you will not be able to establish WiFi communications between your Luminex II and Case CATalyst because they are not allowed to “talk” to each other.

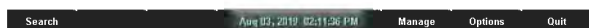
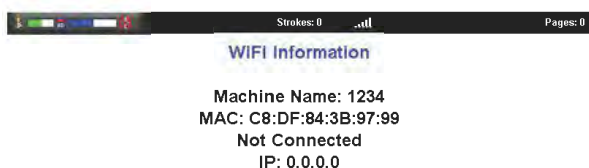
There may be situations where you need to turn your WiFi connection Off. If you decide to use a [Bluetooth connection](#) instead of WiFi, turning Bluetooth On automatically turns WiFi Off. If you decide to use WiFi, turning WiFi On automatically turns Bluetooth Off.




1. From the Opening menu, touch **Setup, Wireless**, WiFi. Touching the Wireless icon  also opens the Wireless screen.
2. Touch the **Options** sensor. At the *WiFi On* option, touch the **Change** sensor to toggle between Yes or No.
3. When finished, touch **OK** to return to the WiFi screen.
4. Touch **Quit** to return to the select Bluetooth or WiFi screen.

There may be a rare occasion where you need to edit or delete your WiFi connection. For example, let's say that you have been a deposition reporter for several years for a court reporting firm. You have been offered a court reporter position at the local courthouse. You can use the Mange feature to delete your current WiFi connection and establish a new one with the courthouse network.

#### To manage your WiFi connections:

1. From the Opening menu, touch **Setup, Wireless** and then **WiFi**. The WiFi Information screen displays. Touching the Wireless icon  also opens the Wireless screen. If WiFi is powered on, the WiFi Information screen will open automatically.












2. At the WiFi screen, touch **Manage**. If you have more than one WiFi connection, touch the  Down or  Up sensors to highlight a connection and then do any of the following:
  - To connect to the highlighted network, touch **Connect**.  
If for some reason you don't automatically reconnect after a break, you may need to go to **Setup, Wireless, WiFi, Manage** and highlight the network and touch **Connect**. Touching the Wireless icon  also opens the Wireless screen.

- To change the Pass Phrase or Machine Name, touch **Edit**. Use your steno keyboard to enter the Pass Phrase for your network or to change the Machine name. You can use the steno characters with -FPLT to be capital letters and steno characters with -RBGS to be lower case letters.
- To remove the highlighted network, touch **Delete**. The *Are you sure you want to delete NAMEOFNETWORK Profile?* Touch **Yes** to delete the network profile or **No** to return to the Preferred Networks (Profiles) screen.
- Touch the **Back** sensor to return to the WiFi screen.

The WiFi Options are defaulted Off. Once you have setup a network profile, there are three WiFi options available.

#### To access the WiFi options:

1. At the Opening menu, touch **Setup, Wireless, WiFi** and then **Options**. Touching the Wireless icon  also opens the Wireless screen. If WiFi is powered on, the WiFi Information screen will open automatically.
2. Do **any** of the following:
  - To turn the WiFi option On or Off touch the  **Down** or  **Up** sensor, if necessary, to highlight the *WiFi On* option and touch the **Change** sensor to toggle between *Yes* or *No*.
  - To turn the Roaming option On or Off, touch the  **Down** or  **Up** sensor to highlight the *Roaming On* option and touch the **Change** sensor to toggle between *Yes* or *No*.  
The roaming option is only used when all the access points you connect to have the same name and passwords. For example, you work in an environment where you move from room to room and you want the Luminex II to automatically pick up the strongest signal.
  - To start or stop the sending of TrueStroke Data via WiFi to Case CATalyst, touch the  **Down** or  **Up** sensor to highlight the *Send TrueStroke Data via WiFi* option and touch the **Change** sensor to toggle between *Yes* or *No*.
  - To turn On an additional WiFi logging feature, touch the  **Down** or  **Up** sensor, if necessary, to highlight the *WiFi Log* option and touch the **Change** sensor to toggle between *Yes* or *No*. The default setting is Off. This option should only be turned On when you are advised by Stenograph's Technical Support Department.
3. When finished, touch **OK** to save your changes and return to the WiFi screen.

## Function Sensors

On either side of the Status LCD are three touch sensitive sensors. The far left sensor turns the Luminex II On and Off.



Each sensor serves a specific purpose, or function, on the different menus. The menu bar is located at the bottom of the tilting screen.



Touch the associated sensor, just below a function on the menu bar, to perform the action. For example, on the Opening menu, the word Off displays above the left most sensor. Touching the sensor until you hear a beep (about 1 second) turns the Luminex II Off. Simply touching the Off sensor, does not turn the Luminex II off to prevent accidentally turning off the writer. Another example on the Opening Menu is the sensor associated with Dict. Touch the Dict sensor to select a [job dictionary](#). When you touch Dict, another menu displays, listing more menu choices related to using dictionaries. From this menu, touch the sensor below Select to display a list of job dictionaries from which you can choose.

## Keyboard Depth and Tension Controls

There are two numbered thumbwheels on the Luminex II, one on each side of the keyboard, that control the keyboard depth and keyboard tension. The outside edge of the Keyboard Tension and Depth of Stroke thumbwheels have numbers to give you a visible representation of the current thumbwheel setting. This provides a point of reference to help you quickly adjust the Keyboard Tension and Depth of Stroke thumbwheels to your preferred settings if they get changed. You may also find that you like one Keyboard Tension and/or Depth of Stroke setting at the beginning of a writing session and different settings as the writing session progresses. The thumbwheel numbers allow you to quickly dial in those different settings throughout the day.



The Depth of Stroke Thumbwheel (on the left when facing the front of the Luminex II) has up to 11 possible positions. Position 1 is the shallowest stroke position (smallest amount of key movement). Position 11 is the deepest stroke position (largest amount of key movement).

The Keyboard Tension Thumbwheel (on the right when facing the front of the Luminex II) has up to 14 possible positions. Position 1 is the lowest tension setting (requires less force to move a key). Position 14 is the highest tension setting (requires more force to move a key).

### Adjust Depth of Stroke:

#### How to Make the Depth of Stroke Deeper:

Rotate the Depth of Stroke Thumbwheel towards the back of the Luminex II. The current setting is the number in the middle of the thumbwheel and lines up with the small notch on the Luminex II shell.

#### How to Make the Depth of Stroke Shallower:

Rotate the Depth of Stroke Thumbwheel towards the front of the Luminex II. The current setting is the number in the middle of the thumbwheel and lines up with the small notch on the Luminex II shell.

### Adjust Keyboard Tension

**How to Increase the Keyboard Tension:**

Rotate the Keyboard Tension Thumbwheel towards the back of the Luminex II. The current setting is the number in the middle of the thumbwheel and lines up with the small notch on the Luminex II shell.

**How to Decrease the Keyboard Tension:**

Rotate the Keyboard Tension Thumbwheel towards the front of the Luminex II. The current setting is the number in the middle of the thumbwheel and lines up with the small notch on the Luminex II shell.

- Note: If the [Tension Toggle](#) is engaged, the Tension Thumbwheel setting has no influence on the keyboard tension. The Luminex II always has the lowest possible tension setting when the Tension Toggle is engaged.



## Tension Toggle

The Tension Toggle is located underneath the Luminex II keyboard. When the Tension Toggle is engaged, the Universal Bar is locked out and no longer provides any resistance to the downward motion of the keys. Likewise, when the Tension Toggle is engaged, the Keyboard Tension Thumbwheel setting has no impact on the downward force required to depress a key.



### Engaging the Tension Toggle

Push the Tension Toggle towards the back of the Luminex II (away from you when sitting at the writer) until it stops. This action will cause the Tension Toggle to slide on top of the Universal Bar. The Universal Bar is the long bar with green colored felt running lengthwise under the Luminex II keyboard. With the Tension Toggle engaged, the Universal Bar provides no resistance to the downward motion of the keyboard and the Keyboard Tension Thumbwheel setting has no influence on the keyboard tension.

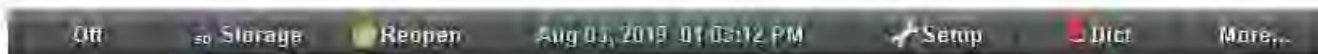
### Disengaging the Tension Toggle

Pull the Tension Toggle towards the front of the Luminex II (towards you when sitting at the writer) until it stops. This action will cause the Tension Toggle to slide away from the Universal Bar. The Universal Bar is the long bar with green colored felt running lengthwise under the Luminex II keyboard. With the Tension Toggle disengaged, the Universal Bar provides resistance to the downward motion of the keyboard and the Keyboard Tension Thumbwheel setting has influence on the keyboard tension.

➤ **Note:** *A clicking noise may occur when writing if the Tension Toggle is somewhere between fully engaged or fully disengaged. When using the Tension Toggle, it is important to make sure it is pushed into the engaged position as far as it will go. When not using the Tension Toggle, it is important to make sure it is pulled into the disengaged position as far as it will go.*

## Touch Screen

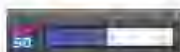
In addition to the Function sensors, you can also navigate through menus by touching the menu item at the bottom of the tilting screen. As in the example before, on the Opening menu, touching the Off menu item until you hear a beep (about 1 second) turns the Luminex II Off. The Off sensor and Off menu item work the same.



The Title Bar icons on the touch screen are also touch sensitive. This gives you access to common information and settings screens without needing to navigate through the writer menus.



Touching the Battery Gauge icon opens the Status Information screen. This is equivalent to pressing **More...**, **Status** from the opening screen.



Touching the SD Card Status icon opens the Files screen and shows you a listing of the Jobs stored on the SD Card. This is equivalent to pressing **Storage**, **SD Card**, **Files...** from the opening screen. If a job is open, touching the SD Card icon will display the message "Data SD Card screen unavailable during a job." The Files screen cannot be accessed while writing a job.



Touching the Microphone icon opens the Audio menu for adjusting your recording and playback settings. This is equivalent to pressing **Setup**, **Audio** from the opening screen.

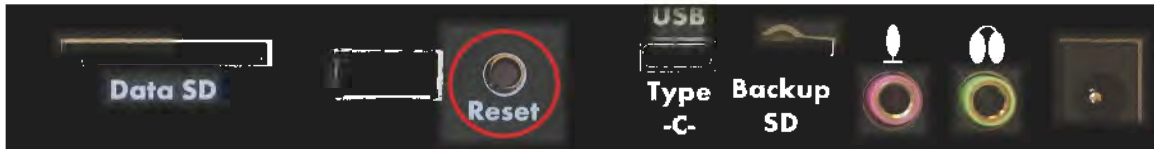


Touching the Wireless icon opens the Wireless screen. This is equivalent to pressing **Setup**, **Wireless** from the opening screen.

- If Bluetooth is enabled, the Bluetooth Information screen will open automatically.
- If WiFi is powered on, the WiFi Information screen will open automatically.
- If Bluetooth is off and WiFi is powered off, the Wireless screen will display the message "*Please select either Bluetooth or WiFi.*"

## Reset

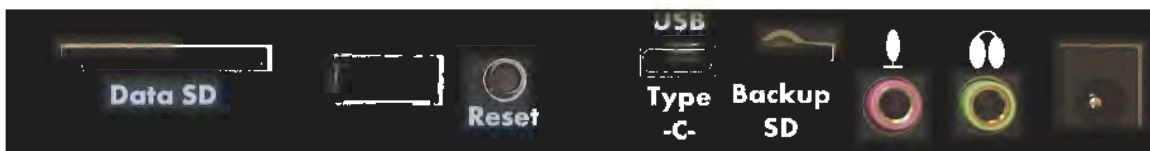
The Reset button is a small, recessed button located close to the middle of the back of the Luminex II and a little to the right of the standard size USB port. Like other computer equipment, the Luminex II can seem unresponsive when it receives a series of commands it does not recognize. If the **Luminex II appears unresponsive, press the Reset button on the back of the Luminex II**. When you press the Reset button, the Luminex II reboots and is then ready to use.



If you had a file open before pressing Reset, the Luminex II ends the job and the file closes. A message displays about recovering the file. Once the file is open, you can start writing to append to the previous job.

## Secure Digital (SD) Cards

A Secure Digital (SD) card is a memory card that can hold large amounts of data. The Luminex II uses two SD cards, a Data SD card and a Backup SD card. The Data and Backup SD cards are located on the back of the Luminex II. The Backup SD card is a micro sized SD card and is recessed and must be in the Backup SD card slot in order to use the Luminex II.



The Luminex II requires a minimum size of a 4 GB SDHC card for the **Data SD** card slot and the **Backup SD** card slot. The maximum card size supported is a 32 GB SDHC card for the **Data SD** and the **Backup SD** card slots. SDHC stands for Secure Data High Density. The Data SD card stores steno notes, timestamps, job dictionaries and audio files. The Backup SD card serves as a backup storage for steno notes, timestamps and audio files.

The Backup SD card must be formatted in the Luminex II and properly seated in the Backup SD card slot to operate the Luminex II. When you insert an SD card into the Backup SD slot on the Luminex II, you are prompted to format the card if it has not previously been formatted in the writing machine.

**The Backup SD card is designed as a backup and is not intended for archiving steno notes.**

Stenograph recommends you carry at least one additional SD card in the event the Data SD card becomes full or in a rare instance that an SD card in the Luminex II becomes unusable. The Luminex II is inoperable without a Backup SD card.

### Secure SD Care

The SD Cards Stenograph recommends are SimpleTech®, Kingston® or SanDisk® SD cards, although any high quality SD card is acceptable.

**SD cards are fast and durable yet still require basic handling care:**

- Avoid excessive heat, cold, and moisture. Although the SD card is vulnerable to static, airport security should not damage a card.
- Always insert your card properly. SD cards are “keyed” so that they can only be inserted in one direction. If you cannot easily insert the card into the slot, reposition the card and try again.
- Do not attempt to remove a card while it is in use. SD cards are fast but still require a second or two to complete operations. **Using or removing a card while the Luminex II is On may corrupt the data on the card. Stenograph strongly recommends turning Off the Luminex II before removing either a Data SD or Backup SD card.**

### Enable Writing on a SD Card

SD cards have a write protect slide on the side of the card. If the write protect slide is moved to the protected position, no data is written on the SD card. If you insert a write protected Data SD card, a message displays on the Luminex II indicating the SD card is write protected.

#### To allow data to be written to the Data SD card:

1. Hold the SD card with the notched side up.
2. Move the write protect slide to the Up position.

### Remove or Insert a SD Card

SD cards are “keyed” so that they can only be inserted in one direction. When inserted properly, the SD card easily moves in and out of the slot although the locking mechanism is tight to prevent accidental removal of the card. Attempting to force a SD card into the slot on your Luminex II or USB SD Flash Drive reader could damage the card.

#### Remove a Data or Backup SD card:

1. Use your index finger to gently push the SD card to its unlocked state and then release your finger. You should feel the SD card release from the slot.
2. Remove the card from the slot. You should be able to easily remove the card from the slot. If you cannot easily remove the card, it is not released. The SD lock mechanism is tight to prevent accidental removal of the card. **Repeat Step 1.**

#### Insert a Data or Backup SD card:

1. Hold the card with the notched edge facing the Luminex II and the metal strip facing down. Position the card in front of the SD slot without any angling.
2. Gently push the card into the SD slot on the Luminex II or a USB SD Flash Drive reader on your computer. You may hear a soft click as you insert the card, indicating correct placement. If the card does not easily insert into the slot, **do not force it**. Remove the card and reinsert it.

If the Data SD card in the Luminex II Data SD card slot is write protected, a message displays: *Data SD card is Write Protected*. Writing is not possible until you unlock the card.

### USB SD Flash Drive Reader

A USB SD Flash Drive reader comes with your Luminex II. The USB SD Flash Drive reader plugs into a USB port on your computer and holds the Data SD and Backup SD cards. This allows you to read steno notes, job dictionaries and audio files.

If you have an SD slot built into your computer, insert the Data SD card directly into the slot. You may not need the USB SD Flash Drive reader for all read functions.

It is necessary to read the Backup SD card using the USB SD Flash Drive reader that came with your Luminex II or another reliable USB based external SD card reader. A built-in SD card slot reader on your computer cannot read the Backup SD card.

The USB SD Flash Drive Reader that comes with the Luminex II has a standard sized SD card slot and a micro sized SD card slot to accommodate both the Data SD card and Backup SD card.

## Status LCD

Located between the touch sensors is a small rectangular LCD screen. The Status LCD displays icons that indicate specific operations of the Luminex II. When battery power is low enough to turn off the tilting screen, the Status LCD continues to show information, indicating the writing machine is still working.

### The Status LCD provides the following information:

- A black dot (●) displays in the lower right corner of the screen indicating the Luminex II is On.
- The file open (📄) icon displays when you begin writing on the Luminex II, indicating a file is open.
- The wireless communication icon (📶) displays when the Luminex II is connected to a CAT system using wireless connection. The icon only displays when there is an active realtime connection. When you end realtime, the icon does not display.
- The realtime indicator (🔌) displays when the Luminex II is connected to a CAT system with a USB connection or virtual serial port connection using the USB Type-C cable for writing. The icon only displays when there is an active realtime connection. When you end realtime or disconnect the cable, the icon does not display.
- The battery (🔋) icon displays when battery voltage is low and blinks when battery voltage is extremely low.

A row of rectangular black blocks (■■■) display in running sequence from left to right when the main battery is charging. When the Luminex II is finished charging, the bars move from each side to the middle of the screen in a “clapping” motion.

- A single black rectangular block (■) displays when you press a key. There is a corresponding block for each letter on the keyboard. Which block displays depends on the key stroked. A block displays for each key in the following order:

# S T K P W H R A O \* E U F R P B L G T S D Z

Stroking the number bar along with a key displays the # sign on the left-most side of the Status LCD and the single black rectangular block for the key pressed.

## Tilting Color Touch Screen

The Luminex II tilting color screen is a high resolution, full glass, capacitive touch display. The display folds flat for storage or transport and opens to lay flat to fit under a conference table.

To use the Tilting screen, gently pull up on the display and adjust the tilt as necessary. Gently pull forward on the display to fold it flat to cover the keys. Gently push the display back to lay flat to fit under a table. When the Luminex II is On and the display is folded flat, the display remains On.

You can adjust the brightness, text color and font size on the Tilting screen. Adjusting the screens [backlight](#) brightness can reduce battery usage.

### Depending on the selected function, the tilting touch screen shows:

- the title bar with a battery icon, battery gauge reflecting the approximate main battery level, audio recording status when audio is active, the number of steno strokes for the open file and the estimated number of pages for the open file.
- the transcript text, steno, brief suggestions or file number messages.
- menu bar from which you select options or perform an action.
- warning messages, such as “Low Battery.”

### LCD Detected Down Message:

When the Luminex II is powered on, it will detect when the tilting screen is folded down and covering the keys. For example, you may decide to leave the writer on, but fold the screen down when transporting the writer to a sidebar or another deposition room. When you lift the screen you may briefly see the message "LCD Detected Down" displayed on the screen. This is normal and should disappear in a few seconds. The appearance of the message does not interfere with your ability to begin writing.

### Cleaning the Tilting Screen

1. Turn the Luminex II **Off**. It is easier to see the areas that are dirty when the screen is dark.
2. Very gently wipe the screen using the cleaning cloth that came with your Luminex II or a microfiber cloth available in computer, camera and eyeglass stores.  
Do not use materials such as paper towels, tissue paper or your shirt sleeve. These non-ultra-soft materials can easily scratch the screen.  
Do not press hard on the screen. Pushing directly on the Tilting screen can cause pixels to burn out.
3. If the cloth does not completely remove the dirty areas, dampen the cloth with the optical-quality spray cleaner that came with your Luminex II or a cleaner designed for flat screen monitors or eyeglasses, and very gently wipe the screen.
  - Do not spray the display screen directly. Liquid can run along the inside the edge of the screen and cause damage.



- Never use cleaning products that contain ammonia, ethyl alcohol, acetone (fingernail polish remover), toluene, ethyl acid, or methyl chloride. These chemicals can react with the materials in the display screen and cause damage.
4. Clean the plastic edge that surrounds the screen with any multipurpose cleaner using a soft cloth. Avoid contacting the screen itself with the cleaner.

## Tripod

The Luminex II uses only the EasyLock LMXII tripod designed with three straight legs, tilting mechanism and constructed of high gauge aluminum to provide a lightweight but strong and stable stand for your Luminex II. The EasyLock LMXII tripod fully extends to 28.75 inches. When folded, the tripod is 12.5 inches long.

### Attaching the Tripod

On the bottom of the Luminex II is a positive locking mechanism that looks like a large, round keyhole. The top of the EasyLock LMXII tripod fits like a key into the recessed mechanism.

### To attach the tripod, follow these steps:

1. Fully extend each leg of the tripod, making sure the braces lock.
2. Set the tripod on the floor.
3. Loosen the thumb-lock knob on the tripod base.
4. Extend the inner tripod tube to a comfortable height. Turn the tripod head so that the one flat side of the tripod head is facing you and tighten the thumb-lock knob.



Top of EasyLock LMXII Tripod

5. On the bottom of the Luminex II, locate the positive locking mechanism that looks like a large, round keyhole. The top of the EasyLock LMXII tripod fits like a key into the recessed mechanism.
6. Lift the Luminex II on two sides of the machine and lower it evenly onto the top of the tripod with one of the flat sides of the writing machine facing you.
7. Grasp the inner tripod tube with one hand and with the other hand, rotate the machine clockwise until you hear a solid click. Ensure the Luminex II is firmly attached to the tripod tube.

### Adjusting the Tripod Height

1. Grasp the tripod tube firmly, directly beneath the Luminex II with one hand.
2. Using your other hand, loosen the thumb-lock knob on the tripod. As you loosen the thumb-lock, support the weight of the Luminex II with your hand.
3. Adjust the Luminex II to the desired height.
4. Tighten the thumb-lock knob.

### Tilting the Luminex II

The EasyLock LMXII tripod has a built-in tilting mechanism. Once the Luminex II is secured on the tripod, tilt the writing machine forward or backward within 70 degrees to a position comfortable for your writing style.

1. Open the Tilting screen before adjusting the tilt position of the Luminex II.
2. Position one hand on the back of the Luminex II behind the Tilting screen and the other hand on the front of the machine under the vowel keys.
3. Gently lift up or push down to the desired position. The movement of the Tilting mechanism is stiff to ensure the position of the desired tilt is secure while writing.

### Removing the Tripod

**To remove the tripod, follow these steps:**

1. Position the tripod firmly on the floor.
2. Locate the quick release lever on the left underside of the Luminex II.
3. Push the quick release lever towards the back of the Luminex II and then rotate the Luminex II counterclockwise one quarter of a turn.
4. Lift the Luminex II from the tripod.

## Routine Maintenance

Although little maintenance is required for your Luminex II, covering it when not in use is suggested.

### Daily/Monthly

- Cover the Luminex II when it is not in use.
- Clean the tilting screen (when needed).

Always protect the tilting screen of your Luminex II by removing all grit before cleaning. To remove grit, use a soft brush to light brush the grit away before using the cleaner and micro-fiber cloth.

- ✓ Turn the Luminex II Off. It is easier to see the areas that are dirty when the screen is dark.
- ✓ Very gently wipe the screen using the cleaning cloth that came with your Luminex II or a microfiber cloth available in computer, camera and eyeglass stores. Do not use materials such as paper towels, tissue paper or your shirt sleeve. These non-ultra-soft materials can easily scratch the screen. Do not press hard on the screen. Pushing directly on the Tilting screen can cause pixels to burn out.
- ✓ If the cloth does not completely remove the dirty areas, dampen the cloth with the optical-quality spray cleaner that came with your Luminex II or a cleaner designed for flat screen monitors or eyeglasses, and very gently wipe the screen. Do not spray the display screen directly. Liquid can run along the inside the edge of the screen and cause damage. Never use cleaning products that contain ammonia, ethyl alcohol, acetone, toluene, ethyl acid, or methyl chloride. These chemicals can react with the materials in the display screen and cause damage.
- Clean the shell (when needed).

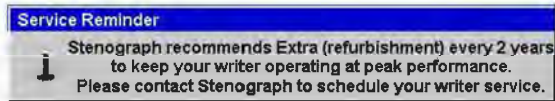
Always protect the shell of your Luminex II by removing all grit before cleaning. To remove grit, use a soft brush to lightly brush the grit away before using the cleaner and soft cloth.

  - ✓ Use mild soap and water or multipurpose cleaner using a soft cloth.
  - ✓ Apply sparingly and avoid contact with the tilting screen and the cleaner.
  - ✓ If using a spray bottle, spray the mild soap and water on a soft cloth and wipe the body of the writer. Never use cleaning products that contain ammonia, ethyl alcohol, acetone (fingernail polish remover), toluene, ethyl acid, or methyl chloride.
- Clean the keyboard with any good clear furniture polish.

### Extra Cleaning / Refurbishment

To help you keep your Luminex II operating at its peak performance, a service reminder message will appear two years from the date your Luminex II was manufactured. The reminder will appear when the writer is powered on and will be accompanied by the appearance of a wrench icon on the Title Bar of the Luminex II display. To ensure you continue to have the best possible experience writing on your

Luminex II, it is important to have the Extra (refurbishment) service every two years. Here is an example of the reminder message:



Selecting **OK** will stop the reminder from appearing the next time you power on the Luminex II. The Wrench icon will remain. The display of the Wrench icon is a visual reminder that service is suggested for the writer. It has no influence on the normal operation of the writer. Touching the Wrench icon will bring you to the Service Reminder screen. This is equivalent to selecting **More, Status, Service** from the opening screen. The Service Reminder screen has details about the Extra (refurbishment) service offered exclusively by Stenograph.



Stenograph recommends Extra (refurbishment) every 2 years to keep your writer operating at peak performance.  
Please contact Stenograph to schedule your writer service by calling (800) 323-4247.

**Extra Includes:**

- Replacement of worn parts including camshaft and universal bar padding
- Lubrication, Recalibration, Chemical wash to remove debris
- Readjustment of mechanical and electrical components to factory specs
- Expert service from the same team that built the writer

With Extra, your writer will feel and sound like new again! With the help of Stenograph's expert technicians, your writer will be thoroughly examined, readjusted and cleaned for optimal performance.



The Wrench icon display and next service date will be reset by a Stenograph Service Technician after the Extra (refurbishment) service is performed. Prior to the appearance of the service reminder, you can view when the next recommended service date is by selecting **More, Status, Service**, from the opening screen.

Chapter 3, *Writing on the Luminex II*, provides an overview of the Luminex II menus and details Luminex II features. Some of the detailed features include loading dictionaries, setting audio options, viewing SD card directories, creating J-Defines and searching steno and text on the tilting screen.

#### Luminex II Setup

Installing the Luminex II USB drivers on your computer is necessary in order to write realtime with the USB Type-C cable, load dictionaries and install updates. The Luminex II USB drivers are available for download from the Stenograph website at [www.stenograph.com](http://www.stenograph.com). Download instructions are included on the website: Downloads, Utilities & Drivers, Stenograph Writer USB Drivers.

Before writing on your Luminex II, ensure there is a Data SD and Backup SD in the appropriate SD slots and charge the battery. The Luminex II uses a Data SD card to store steno notes, timestamps, audio files when the audio option is selected and the associated job dictionary when J-Defines are created for the job.

The Backup Secure Data (SD) card that comes with your Luminex II is used as a backup for your steno notes, timestamps and audio. This card is formatted at the Stenograph factory. If you insert a different SD card in the Backup SD slot, it must be formatted in the Luminex II before you can begin writing. **The Luminex II requires a Backup SD card in order to operate.**

Although you can use the Luminex II with the AC adapter/charger, Stenograph recommends that you charge the [battery](#) in your Luminex II before using it for the first time.

## Accessing Luminex Features II

### Opening Menu

When you turn the Luminex II On, the Opening menu displays. The Opening menu is the first of two main menus accessible when not writing on the Luminex II.



The Opening menu provides access to features that allow you to:

- view Data and Backup SD card, memory and thumb drive directories.
- format Data and Backup SD cards.
- copy files from memory.
- reopen a file to append further testimony and playback audio.
- set audio, display, translate and general Luminex II options.
- manage wireless settings.
- make adjustments to Keyboard Settings and load keyboard profiles.
- start test mode.
- create j-defines.
- open the second menu.

### Second Menu

Touching **More** on the Opening menu displays the second menu:



- display Luminex II software version, free space on the Data SD card and wireless information.
- display job data such job size, number of pages and the use of audio and a job dictionary.
- display the approximate minimum, maximum and average strokes per minute for the job along with a graphical representation of the varying number of strokes per minute throughout the job.
- display the total number of strokes for all jobs taken.
- perform diagnostics.
- display battery status information.
- return to the Opening menu.

## Title Bar Icons



Touching the Battery Gauge icon opens the Status Information screen. This is equivalent to pressing **More...**, **Status** from the opening screen.



Touching the SD Card Status icon opens the Files screen and shows you a listing of the Jobs stored on the SD Card. This is equivalent to pressing **Storage**, **SD Card**, **Files...** from the opening screen. If a job is open, touching the SD Card Status icon opens the Status Information screen. The Files menu cannot be accessed while writing a job.



Touching the Microphone icon opens the Audio menu for adjusting your recording and playback settings. This is equivalent to pressing **Setup**, **Audio** from the opening screen.



Touching the Wireless icon opens the Wireless screen. This is equivalent to pressing **Setup**, **Wireless** from the opening screen.

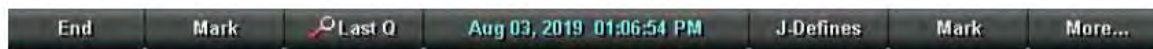
- If Bluetooth is enabled, the Bluetooth Information screen will open automatically.
- If WiFi is powered on, the WiFi Information screen will open automatically.
- If Bluetooth is off and WiFi is powered off, the Wireless screen will display the message *"Please select either Bluetooth or WiFi."*



## Writing Menu

### First Writing menu

Once you begin writing on the steno keyboard, the first of two writing menus replace the Opening menu:



The First Writing menu includes features that allow you to:

- close the file.
- insert electronic marks.
- search for the last question.
- create J-Defines.
- access the second Writing menu.

### Second Writing Menu

Touching **More** on the First Writing menu displays the Second Writing menu.



The second Writing menu includes features that allow you to:

- toggle the tilting touch screen display between steno only, text only, text with vertical notes or text and Brief It when Brief It is active.
- scroll through the steno or text on the tilting screen.
- search for the last Q, A, untranslate, StenoMark, and steno on the tilting touch screen.
- display status information about the Luminex II.
- set audio options.
- change tilting screen text color, font size and backlight level.
- perform keyboard adjustments, save and load keyboard profiles.
- playback audio.
- access a third menu to display the Brief It pane and create briefs, when Brief It is active.
- access the First Writing menu.

### Third Writing Menu

If the [Use Brief It](#) option in Trans. Opt. is set to Yes, touching More on the Second Writing menu displays the Third Writing menu which includes Brief It. The Brief It option allows you to manually accept or reject briefs and suggest new briefs. You can scroll up or down in the Brief It pane. The following is an example of the Manage Briefs menu.



#### To Return to First Writing Menu:

- Continue writing, pressing More on the second Writing menu or pressing Quit on the Brief It menu returns you to the First Writing menu.

#### Return to Opening Menu:






- Pressing **End** on the First Writing menu automatically closes the current job and returns you to the Opening menu. If the Prompt to End Job option is active, you are prompted with a confirmation message to close the job each time you press the **End** sensor or touch screen **End**.

## Writing Jobs

The Luminex II stores steno notes, timestamps, job dictionaries, audio files and J-Defines on the Data SD card. The Luminex II also saves steno notes, timestamps and audio files to the Backup SD card; and saves steno notes and timestamps to memory.

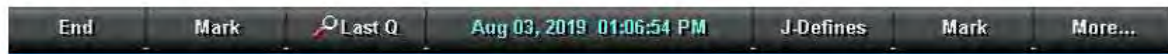
The Backup SD card is not designed to be removed from the Luminex II unless, in a rare occurrence, it is necessary to locate a job that cannot be found in memory or on the Data SD card. The Backup SD card must be in the Luminex II in order for the steno machine to operate. Never remove the Backup SD card while the Luminex II is On.

### To begin writing:

1. Turn the Luminex II On. Touch the first function sensor on the left until the splash screen appears on the tilting display.
2. The splash screen displays briefly on the tilting display followed by the title bar across the top of the screen and the Opening menu at the bottom.
3. The Title Bar shows the following information:
  -  - the approximate amount of charge remaining for the main battery. When the gauge is completely green, the battery is fully charged. As the battery level changes or the Luminex II is charging, the gauge changes. See [Battery](#) for more information about Luminex II batteries.
  -  - the approximate amount of space remaining on the Data SD card. See [Data SD Card](#) for more information.
  -  - the Audio Meter displays when you begin writing and indicates the audio is recording. The Audio Meter shows the sound level for the recording input. The Audio Meter can be hidden if you do not want others to easily see on the Luminex II display that audio is being recorded. The default for audio recording is set to Off. To learn how to turn on audio recording and/or hide the Audio meter See the [Audio](#) section of this guide.
    -  - the double bars display when writing and the [audio](#) is paused by the Luminex II Auto Pause Resume feature or by a realtime Pause Audio dictionary definition.
    -  - the no microphone icon displays when no audio is recording while writing. See [Audio Hardware Setup](#) for more information about audio setup.
  - *Strokes* - the number of steno strokes written for the open file.
  - *SPM* - the average number of strokes written per minute.
  - *Pages* - the estimated number of text pages in the open file.
4. Luminex II menus allow you to perform a function or select to display another menu. The Opening menu is the first of two setup menus used to select options prior to writing.



5. When you write a steno stroke, the Luminex II opens a new file and replaces the Opening menu with the first to two writing menus.



6. To close the job when finished writing, touch **End**. The Luminex II finishes writing the steno and audio to the Data SD card and closes the current file.  
If the option, [Prompt to confirm ending job](#) is active, the following confirmation prompt displays: To Confirm End of Job, press **End**. Touch **End** to close the job or continue writing to cancel the message.

The Luminex II names files using a year, month, date and time format. For example: 20190803-142341 (August 03, 2019 at 2:23:41 p.m.). Job files are stored in folders identified by year and month. For example, 201901. By default, the newest file is listed first.

Use the [Reopen](#) feature to reopen an existing file and append same day testimony. You can search, readback and play audio in reopened files.

## A/An Resolution

A/An resolution automatically selects the correct word, “a” or “an” based on the word that follows. The steno translates as “a” before consonants and as “an” before vowels and the numeral 8. The steno, A, must be defined as "a" (no quotes) in your dictionary in order for the A/An Resolution feature to work. If the dictionary entry is defined as a conflict between "a" and "an," this feature does not work as described.

### To turn A/An resolution Off or On:

1. From the Opening Menu, touch **Setup, Trans. Opt.** The current status of the A/An option displays on the screen.
2. Touch the **▼ Down/▲ Up** sensor or menu items as necessary to highlight the A/An option.
3. Touch the **On/Off** sensor to toggle the A/An option On or Off.
4. To display the Opening menu, touch **OK, More, Quit.**

## **About**

The About screen displays copyright information about the Luminex II and FCC information. You can access the About screen from the Opening menu by touching **More** and then **About**. The same FCC information in the About screen is available on the Copyright page of this User Guide.

## Audio

The Luminex II allows you to record an audio file that is automatically synchronized to your written steno notes. To record, you must enable the Luminex II audio option, Record Audio During Job and connect a microphone to the Luminex II. Stenograph recommends using either a microphone that is battery powered or a high gain microphone that receives power from the connected device.

The Luminex II saves the audio files to the Backup SD and Data SD cards. Audio files take up additional space on the SD cards. When the Record Audio During Job option is enabled, the additional space is always used regardless of whether or not you have a microphone connected to the Luminex II and are recording. The amount of additional space is determined by the audio option, Audio Format.



When there is less than 75MB available on the Data SD card, you can begin writing a job but no audio records regardless of the audio options selected. The following message displays when there is insufficient space to record: Space is TOO Low. Audio Will Not Be Recorded To Data SD Card.

While writing a job and there is only 12MB available on the Data SD card, the audio stops recording. The following message displays: Space is Low. Audio Has Stopped Recording To [Data SD Card](#).

Luminex II audio options enable you to listen to the recording live. You can connect a headset or speakers to the Luminex II for [audio playback](#).

### Audio Hardware Setup


#### To prepare for audio recording:

1. Plug the microphone into the microphone jack () on the back of the Luminex II. Using a direct feed from a videographer to the microphone jack is not recommended since most of those feeds are line level (much higher) and not microphone level.
2. Confirm the Data SD card is properly inserted in the Luminex II.
3. If you are using headphones or speakers to listen to the live recording or for playback, plug the headphones () into the headphone jack on the back of the Luminex II.
4. The placement of the microphone directly affects the quality of the audio file. Position the microphone away from audio playback devices, such as speakers.
5. Set necessary [Audio options](#). Ensure the option, Record Audio During Job is set to On.

### Audio Options

The Record Audio During Job and Audio Format options must be set before opening a job on the Luminex II. All other audio options are accessible while writing.

#### To set audio options:

1. From the Opening or First Writing menu, touch **Setup, Audio**. Touching the  title bar icon is equivalent to pressing **Setup, Audio**.
2. Use the **Up/ Down** sensors to move the pointer (>>) to identify a feature for selection.
  - *Microphone Gain* - indicates the current gain setting for the microphone, 0 - 100%. If your microphone is battery powered or is a high sensitivity microphone without a battery, set the gain lower. A suggested starting point is 75 - 80%. If the microphone is not battery powered and/or is not a high sensitivity microphone, set the gain higher. A suggested starting point is 90-95%. Setting this gain too high, may cause audio feedback.

Touch the - and + sensors as necessary to set the percent. A graphic bar indicates the selected level. Test the quality and adjust the gain as necessary. You can adjust the gain during a job.

- *Headphone Volume* - indicates the current volume level for the audio playback through headphones, 0 - 100%. A suggested setting is 65%. The audio is amplified when monitoring live audio and may require a lower setting when the Monitor Live Audio option is active.

Use the **Quieter** and **Louder** sensors to adjust the volume. A graphic bar indicates the selected level. During a job, you can playback the audio and adjust this option as necessary.

- *Record Audio During Job* - indicates the audio recording status. Touch the **On/Off** sensor to toggle your selection. The default is set to Off. This option cannot be changed once you open a job.
- *Monitor Live Audio* - allows you to listen to the recording live with some amplification through headphones or a headset attached to the Luminex II. Touch the **On/Off** sensor to toggle your selection. During a job, you can playback the audio.

When monitoring live audio during the job the audio is amplified. Check the Headphone Volume setting for an appropriate level.

- *Auto Pause Resume* - allows you to automatically pause the recording after a specific period of time, when no new steno is being input from the steno machine. Audio recording automatically resumes when you begin writing. Using this feature can help conserve SD card space when recording audio on jobs where long or frequent pauses occur. Use the - and + sensors to set the wait time before pausing the audio. The range is between 5 seconds and 15 minutes. Settings from 5 seconds to 2 minutes are made in increments of one second; 2 - 5 minutes in 15 second increments; and 5 - 15 minutes in one minute increments. You can adjust this option during a job.

When using Case CATalyst, you can use existing Case CATalyst dictionary definitions {Pause Audio} and {Resume Audio} to manually pause and resume the audio. It is necessary to place these definitions into your dictionary before loading the dictionary onto the Luminex II. When you



manually pause the audio using a steno stroke on the Luminex II, you must resume the audio with a steno stroke, regardless of the setting for the Auto Pause Resume option.




If you are not using Case CATalyst, check with your CAT vendor to verify that your software recognizes pause and resume commands, if not, do not use the Auto Pause Resume option.

- *Audio Format* - allows you to set the audio compression format (codec) for recording. The Luminex II has three audio codecs available:
  - Opus (14.7 MB/hour) - greatly improves audio fidelity compared to the GSM and ADPCM codec options. The Opus (14.7 MB/Hour) option creates an \*.Opus file type. Case CATalyst version 20.07 or higher is required if you use the Read function to read the Steno notes and Audio from the Luminex II into Case CATalyst. For CAT software other than Case CATalyst, check with your CAT software vendor for compatibility information and Read instructions.
  - ADPCM (14.7 MB/hour) - has a lower audio fidelity compared to the Opus (14.7 MB/Hour) audio codec. The ADPCM (14.7 MB/hour option creates an \*.Wav file type. Wav files are compatible with all version of Case CATalyst and most other CAT software. For CAT software other than Case CATalyst, check with the CAT software vendor for compatibility information and Read instructions.
  - GSM (5.8 MB/hour) - has the lowest audio fidelity of the three audio codec options. The GSM (5.8 MB/hour) option creates an \*.Wav file type. Wav files are compatible with all version of Case CATalyst and most other CAT software. For CAT software other than Case CATalyst, check with the CAT software vendor for compatibility information and Read instructions.

Press the **Change** sensor to toggle your selection. Audio recorded to the Backup SD card is recorded at the GSM format regardless of this option setting.

This option cannot be changed once you open a file.

- *Hide Audio Meter* - the Audio Meter shows you the current volume level of the audio as it's picked up by the microphone during recording. Hiding the Audio Meter can be useful when you do not want others to easily see on the Luminex II display that audio is being recorded. Touch the **Yes/No** sensor to toggle between Yes and No. Yes means the Audio Meter will be hidden.

The recording on , recording paused , and recording off  title bar icons will continue to display when the Hide Audio Meter option is set to Yes.

3. To display the Opening or First Writing menu, press **OK, More, Quit**.

### Audio Playback

The Play feature becomes available when you use a Search feature while writing a job. Play allows you to playback the audio portion of the file from the point of the highlighted text forward in the file. The Luminex II highlights the corresponding steno and text on the tilting screen during the audio playback. You can stop the playback at any time. A set of external speakers or headset is required for audio playback.

**To play audio while writing a job:**

1. Using a [Search](#) feature, look for any of the following: Last Q, Last A, Last Mark, Steno or Untranslate.
2. When you identify the position in the file from which you want to playback the audio, touch the **Play** sensor or menu item. The Luminex II begins the playback and simultaneously highlights the corresponding text and steno.
3. Use the **Quieter** and **Louder** sensors to adjust the playback volume. If applicable, you may also need to adjust the volume control on your headset or speakers.
4. Touch the **Stop** sensor or menu item when finished.

## Auto-Conflict Resolution

Auto-Conflict Resolution, when turned On, automatically selects the first choice of the conflict. This prevents the display of conflicts on the Luminex II screen for easier readback. This option does not affect the realtime output when writing realtime to a computer.

### To turn Auto-Conflict On or Off:

1. From the Opening Menu, touch **Setup, Trans. Opt.** The current status of the Auto-Conflict Resolution option displays on the screen.
2. Touch the **▼ Down/▲ Up** sensors as necessary to highlight the Auto-Conflict Resolution option.
3. Press the **On/Off** sensor to toggle the Auto-Conflict Resolution option On or Off.
4. To display the Opening menu, press **OK, More, Quit.**

## Backup SD Card

The Backup SD card stores steno notes, timestamps and audio files as a backup to the Data SD card. In a situation where there is no main battery, not enough charge in the main battery or no AC adapter/charger power, the Luminex II uses FailSafe Mode to save the steno notes, timestamps and audio files to the Backup SD card.

It is necessary to insert a Backup SD card into the Luminex II in order to operate the writing machine. If you remove the Backup SD card while the writing machine is On, the Luminex II beeps and displays the message: Backup SD Card Missing!!! Insert Card or Turn Off. You must reinsert the card to use the Luminex II.

The Luminex II requires a minimum 4GB SDHC card. Luminex II supports SDHC cards 4GB to 32 GB. The Backup SD card must be formatted in the Luminex II. When you insert an SD card into the Backup SD slot on the Luminex II, you are prompted to [format the card](#) if it has not previously been formatted in the writing machine.

You can view files on the Backup SD card when working on the Luminex II. The Backup SD card is designed as a backup and is not intended for archiving steno notes. Once the Backup SD card is full, the new files overwrite the oldest file or files. Stenograph recommends carrying an extra SD card.

In the rare event it is necessary to retrieve a file from the Backup SD card, you can use the [Backup Card Reader](#) utility. The Backup SD card must be removed from the Luminex II and inserted into a SD Flash Card Reader that connects to your computer. A built-in SD card slot reader on your computer cannot read the Backup SD card. Ensure you reinsert the Backup SD card into the Luminex II when finished. The Luminex II requires that a Backup SD card is in the steno machine in order to operate.

### Format the Backup Card

The Backup SD card must be formatted in the Luminex II. The card is verified when inserted into the Backup SD slot on the Luminex II. You are prompted to format the card if it has not been formatted in the writing machine. Formatting a Backup SD card erases all the files and data stored on the Backup SD card. Confirm that all the files on the card are no longer necessary.

#### To format the Backup SD card:

1. Hold the Backup SD card straight without angling and gently insert it into the Backup SD slot on the Luminex II until you hear a soft click. If the card does not easily insert, do not force it. Remove the card and reinsert it.



2. Turn the Luminex II On.

3. From the Opening menu, touch **Storage, Backup, SG Format**. A message prompts you to continue.
4. Touch **Yes** to format the Backup SD card. A preparation message, along with a status bar displays as the Luminex II formats the Backup Card. Touch No to cancel the format.
5. When the Backup cards finishes formatting, the Luminex II displays a completion message.
6. To display the Opening menu, touch **OK** twice.

### **View Files on the Backup SD Card**

The Luminex II names job files using a year, month, date format followed by the time. For example: 20190803-142341 (August 03, 2019 2:23:41 p.m.) The newest file is listed first. File size accompanies each file name.

#### **To view the Backup SD card directory:**

1. From the Opening menu, touch **Storage, Backup, Files**.
2. Touch the **▼ Down/▲ Up** sensors to scroll through the list of files.
3. To display the Opening menu, touch **Quit, OK**.

## Brief It

Brief It is a translation feature, on the Luminex II that suggests conflict free brief forms for words and phrases that you write during a realtime job. When you write the same three or more steno strokes more than once, the Luminex II generates a brief form and displays it in the Brief It pane.

The Luminex II Brief It feature is designed for use when not in a realtime situation writing to CAT software. For example, there are times when you only have room to set up your Luminex II and not your computer. Having the Luminex II Brief It feature, you can still take advantage of suggested briefs. If you use Brief It on the Luminex II and on your CAT system, the Suggested briefs may not match.

There are two types of briefs, Suggested and Reminder. Suggested briefs are generated during realtime when three or more steno strokes are written for the same text more than once and no brief exists in a dictionary currently used for translation. To use the Suggested brief, write steno for the brief twice, the default, to accept it. Accepted briefs are stored in the dictionary within memory and the current job dictionary. When you write the same steno that results in the same text translation of a used brief in a subsequent job, the Luminex II provides a Reminder brief. You can also suggest a new brief or reject a brief. More information is available for [Managing Briefs](#).

The Luminex II Translate Option, Use Brief It, must be set to Yes before beginning a job for the Brief It feature to be active and available during realtime. When Brief It is active, the Luminex II defaults to the Brief It view when you begin writing. Text shows on the left side of the screen and the Brief It pane on the right. The most recent brief always displays at the bottom of the Brief It list.

Brief It automatically creates a J-Define the first time you use a Suggested brief. [J-Defines](#) made for the current job are placed into a job dictionary on the Luminex II that uses the same date/time name as the job. The job dictionary is stored on the Data SD card as a subfile of the job. If you are writing realtime using Case CATalyst V13 or higher, the definition is also sent to the global table of the Case CATalyst realtime file. All J-defines stored in the dictionary within memory are automatically used on subsequent jobs. If you do not want to use the J-Defines in another job, it is necessary to clear them from the dictionary within memory.

Luminex II Suggested and Reminder briefs along with used briefs display in the Brief It pane on the right side of the screen, in a color coded background. The newest Suggested or last used brief display at the bottom of the list. Suggested briefs have a yellow background, Reminder briefs a green background and used briefs a gray background. When you write a Suggested brief, the background color for the brief turns gray, moves to the bottom of the list and the J-Define is created. You can reject a Suggested brief or request a new one.

Briefs with conflicting steno are not Suggested when an entry exists in a dictionary currently used for translation. For example, during the job you write AB/OT/HRAB/TOERS for the name "Abbott Laboratories." A job dictionary currently used for translation contains the entry A\*L defined as "Mr. Allen." Brief It does not suggest A\*L for the Abbott Laboratories brief but creates and suggests a brief that does not conflict, such as A\*LT.

If you write a steno outline that matches the steno stroke for a Suggested brief or do not want to use the brief, you can write the {Delete} command to remove the steno and text from the transcript. Using the Delete command does not remove the define from the dictionary. You may want to use the [Brief It option](#), Write Twice to Define.

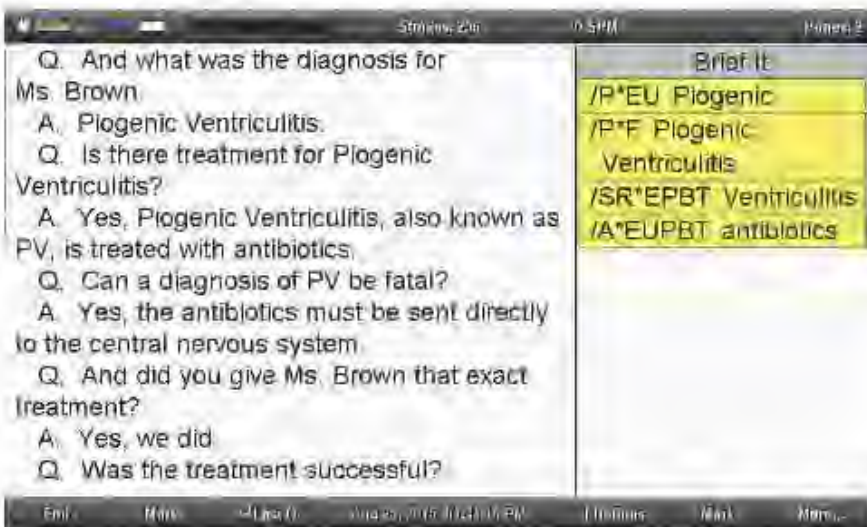
### Case CATalyst V13 or Higher

The Luminex II Brief It feature is designed for situations in which you are not writing realtime to your CAT system. If you are using Case CATalyst V13 or higher, defines are exchanged between Case CATalyst and the Luminex II while writing realtime. It is strongly recommended to only use the Brief It feature on your Luminex II or Case CATalyst but not both locations.

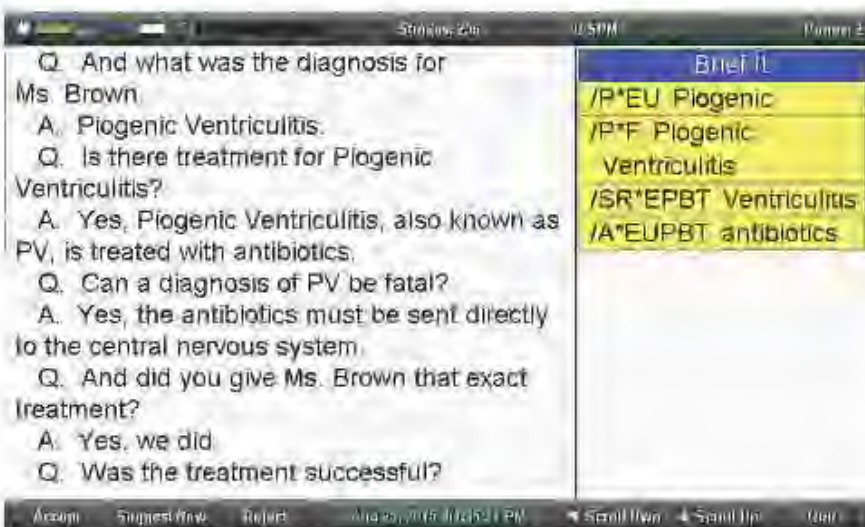
If you are using the Brief It feature on your Luminex II with Case CATalyst V13 or higher, selecting to Undo a global, Undo Last Global or delete a global in Case CATalyst does not remove the definition from the dictionary in the Luminex II memory or the job dictionary for the file on the Luminex II. To [remove J-Defines](#) from the Luminex II, it is necessary to clear them from the dictionary stored in memory.

### Managing Briefs

The Luminex II Suggested and Reminder briefs, along with used briefs, display in the Brief It pane in a color coded background. The newest and last used briefs display at the bottom of the list. Suggested briefs have a yellow background, used briefs a gray background and Reminder briefs a green background.



To manage briefs during a job, touch **More**, **More**, **Brief It**. The title bar of the Brief It pane turns blue, indicating it has cursor focus. Use the **Scroll Dwn** and **Scroll Up** sensors to position the cursor on the desired brief. The cursor location is indicated with a dark gray color on the edge of the Brief It pane.



Use the following options as necessary:

### Accept

Add the suggested brief to the job dictionary. The background turns gray once the suggested brief is added to the job dictionary. During a job, a Suggested brief is automatically accepted and added to the job dictionary when you write it. If writing realtime to CATalyst V13 or higher, the accepted brief is sent to the global table of the Case CATalyst realtime file.

### Suggest New

Reject the suggestion brief and suggest a new brief at the bottom of the list. The suggested brief is lined out.

### Reject

The current suggestion is rejected and lined out.

### Quit

Save the changes and close the Brief It management screen.

## Use Brief It

The Luminex II Translate Option, Use Brief It, must be set to Yes before beginning a job in order for Brief It to be available on the Luminex II. By default, this option is set to No. When Brief It is active, the Luminex II defaults to the Brief It view when you begin writing. Text shows on the left side of the screen and the Brief It pane on the right. Changing the font size for the screen also changes the size of the Brief It pane and the text within it. You can change the View to not show the Brief It pane, but unless you turn Brief It Off, Suggested briefs continue to be provided even though you won't see them on the screen due to the change in view. If you turn Brief It off during a job, when you return to writing the job, the View shows text on the left and vertical notes on the right.

When Use Brief It is set to Yes, two [Brief It Options](#) are available. The options, Write Twice to Define and Only Suggest One Stroke Briefs, allow you to customize how you use Brief It.



**Turn Brief It On or Off Before a Job:**

1. From the Opening Menu, touch **Setup, Trans. Opt.**
2. Touch the **Down/Up** sensors as necessary to highlight the Use Brief It option.
3. Touch the **On/Off** sensor to toggle the Brief It option On or Off.
4. To display the Opening menu, touch **OK, More, Quit.**

**Turn Brief It Off During a Job:**

Once a file is open, you can turn the Use Brief It option Off but you cannot turn it On. Once the option is turned off while a file is open, you cannot turn it back on until you close the current job.

1. From the first Writing menu, touch More, Setup, Trans. Opt.
2. The cursor points to the Use Brief It option, touch the **Off** sensor.  
If you touch OK without changing the option, the status of the option does not change.

**Brief It Options**

The following Brief It options are available in the Trans. Opt. screen.

**To access the Brief It options:**

1. From the Opening Menu, touch **Setup, Trans. Opt.**
2. Touch the **Down/Up** sensors as necessary to highlight the Brief It options.
3. Touch the **On/Off** sensor to toggle the option On or Off.
4. To display the Opening menu, touch **OK, More, Quit.**

If the Use Brief It option is set to **No**, the other two Brief It options are not available.

**Write Twice to Define**

Brief It, by default, automatically creates a J-Define the first time you use a Suggested brief. When this option is active, you must consecutively write a brief twice before Brief It creates a J-Define. All subsequent uses of the brief only need to be written once. For example, Brief It suggests, P\*F, for "Piogenic Ventriculitis." You want to use the brief so you write, P\*F/P\*F the first time, which places the words "Piogenic Ventriculitis" in your transcript and puts the definition, P\*F = Piogenic Ventriculitis, in your job dictionary. To use the brief again, simply write P\*F.

You may want to use this option to try a Suggested brief before making it a definition or to prevent a possible misstroke in accepting a brief. The default is Yes.

**Only Suggest One Stroke Briefs**

Brief It, by default, always suggests a one stroke brief with the asterisk before suggesting a two stroke brief. When this option is active, Brief It suggests only one stroke briefs.

## Copy Log

The Copy Log feature is used in the rare instance your Luminex II experiences an error or an exception. The Copy Log feature automatically saves the information to a log file which is stored in a Support Info Files folder on the Data SD Card and in Memory. Technical Support may ask you to send the information to Stenograph for analysis. There are two methods available for copying Log files:

### **Use the WriterManager Utility to copy log files via USB directly to a computer (recommended):**

Download and install the Stenograph Writer Utility program available at [stenograph.com/utilitycd](http://stenograph.com/utilitycd). The WriterManager PDF file supplied by the Stenograph Writer Utility program will guide you through the steps. This method of copying log files from the Luminex II to a computer is recommended because the log files are automatically compressed into a (zipped) file and ready to be e-mailed to Technical Support.

### **To copy the Log files to a Data SD card or to a Thumb Drive:**

1. From the Opening Menu, touch **More, Diag, Copy Log**. The Luminex II copies all the appropriate log information to the Data SD card, placing it in the Support Info Files folder. Depending on the situation, there could be many log files. The message "Done Copying to SD Card" will display when the copy is complete.
2. To return to the Opening menu, touch **Quit, More**.
3. Do **one** of the following:
  - Turn your Luminex II Off, then remove the Data SD card. Insert the Data SD card into the USB SD Flash Drive reader or into a built-in SD slot on your computer. Locate the Support Info Files folder on the SD Card. Double click the Support Info Files folder and locate the correct year and month folder (if needed). Copy this folder to a location on your computer.
  - At the Main menu, touch **SD card, Files** and then insert a USB thumb drive into the USB slot on the back of your Luminex II. Touch the **Down** sensor until Support Info Files folder is highlighted and then touch **Folder**. Select the **correct year and month** folder (if needed) and then touch **Copy**. When the copy is complete. Place the thumb drive into a USB port on your computer.
4. The Log Files can be large and it is best if you zip the files before attempting to send them. On your computer, browse to the location you saved the folder, right click the Month and Year folder and select Send to Compressed (zipped) folder.
5. Open your e-mail package and send the zipped file to Technical Support with any requested details.

## Data SD Card

The Luminex II uses a Data SD card to store steno notes, timestamps, audio files when the audio option is selected and the associated job dictionary when J-Defines are created for the job. The Luminex II comes with an 8 GB Data SD card.

The actual number of files a Data SD card holds varies according to the size of the SD card and the size of each steno note, timestamp and audio files. For example, a 1 GB Data SD card holds approximate 600,000 pages without audio files. Depending on the audio compression option selected, a 1 GB Data SD card holds approximately 170 hours of audio at the GSM compression rate and 70 hours at the Opus and ADPCM compression rate.

The SD card icon on the title bar of the tilting touch screen provides a general indication of the remaining space on the Data SD card. When the gauge is completely blue, the entire card is available. If no SD card icon displays, there is no SD card in the Data SD slot or the Luminex II does not recognize the Data SD card. If the Data SD card is corrupt, full or missing from the Data SD slot, the Luminex II displays warning messages but allows you to continue writing. Steno notes continue to be saved to memory and the steno, timestamps and audio continue to be saved to the Backup SD card.

**Stenograph recommends carrying an extra SD card.**

## Format a SD Card

You may want to format a previously used Data SD card for use in the Luminex II. For example, you have archived all the files on the Data SD card and want to start with a clean Data SD card.

### To format a Data SD card:

1. Gently insert a Data SD card into the Data SD slot on the Luminex II until you hear a soft click. If the card does not insert easily, do not force it. Remove the card and reinsert it, ensuring it is straight without angling.
2. From the Opening menu, touch **Storage, SD Card, Format**. A confirmation message prompts you to continue to format the card.
3. Touch **Yes** to format the Data SD card. A message box displays, indicating the progress of the format. To abort the format, touch No.
4. A message displays confirming format completion. To display the Opening menu, touch **OK, Quit, OK**.

## Manage Data SD Card Space

You can check the amount of free space left on a Data SD card. As the Data SD card reaches capacity while writing a job, the Luminex II beeps and a series of prompts warn that the Data SD card is almost full. If you are recording audio while writing, a series of prompts warn that recording will stop soon. When the Data SD card reaches only 12 MB available, a message displays indicating that audio

is no longer recorded to the Data SD card. If you start a job and there is 75MB or less available on the Data SD card, audio is not recorded to the Data SD card.

Once a Data SD card is full, steno, timestamps and audio are no longer saved to the Data SD card but continue to be saved to the Backup SD card. Steno and timestamps also continue to be saved to memory.

You can change the Data SD card any time during the writing process by first **closing the open file** and **turning Off the Luminex II**. When you insert a new Data SD card and turn the Luminex II On, a new file is created as you begin writing. Files cannot span Data SD cards. You can merge the files together later on your CAT system.

### Check the Data SD Card Space

1. From the Opening menu, touch **Storage, SD Card, Information**.
2. To display the Opening menu, touch **OK, Quit, OK**.

### Change the Data SD Card

You should always carry an extra Data SD card with you. In the event that your Data SD card becomes full, you most likely will want to remove the full card and insert a new card. You need to turn Off Luminex II before removing the Data SD card.

#### To change the Data SD card while writing:

1. On the First Writing menu, touch **End** to close the open file.  
If the option, [Prompt to confirm ending job](#) is active, the following confirmation prompt displays: To Confirm End of Job, press **End**. Touch **End** to close the job or continue writing to cancel the message.
2. Turn the Luminex II **Off** and remove the current Data SD card from the Data SD card slot.  
The message, Disk in use -- Put it Back! displays when you attempt to remove the Data SD card without closing the file by touching End; or you attempt to remove the Data SD card before the Luminex II has finished writing information to it.
3. Gently insert a new formatted Data SD card until you hear a soft click. If the card does not easily insert, do not force it. Remove the card and reinsert it, ensuring it is straight without angling.
4. Turn the Luminex II **On** and **continue writing**.

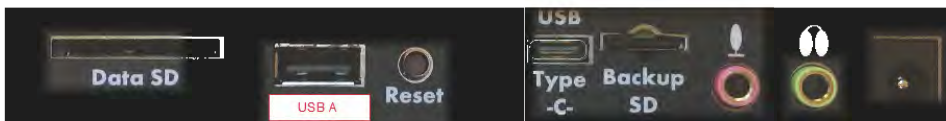
### View and Copy Data SD Card Files

The Luminex II names job files using a year, month, date and time format. For example: 20190803-142341 (August 03, 2019 2:23:41 p.m.) Job files are stored in folders identified by year and month. For example, 201908. By default, the newest file is listed first.



Each job file contains subfiles that include: steno notes with timestamps, an associated audio file, audio pause and resume information when audio is recorded and an associated job dictionary when a job dictionary is used.

Only the file name for your job displays on the Data SD card. The individual subfiles display on the destination drive when you read the job into your CAT system or use the [DateTimeToStentura](#) program.


When copying, the Luminex II automatically copies your selected files from the Data SD card to a USB storage device inserted into the Luminex II USB A (host) port. Be sure to insert your thumb drive before copying files.



### To view and copy files on the Data SD card:

1. From the Opening menu, touch **Storage, SD Card, Files**. Touching the SD Card Status icon  opens the Files screen and shows you a listing of the Jobs stored on the SD Card.
2. Job files are organized in folders by year and month, with the newest folder first. Touch the  **Down/Up** sensors to highlight a folder. Use **Date Sort** to toggle folders between ascending and descending order.

An additional folder, Support Info Files, may be visible along with the job folders. If an error occurs, the Luminex II writes error information in [log files](#) to this folder. Stenograph uses the information to research and improve the software.

3. Steno notes copied from memory to the Data SD card display at the root of the card in date order and are identified with the .sgstn file name extension. Although [memory](#) stores other file information in addition to the steno note file, only the steno note file is available for copy.
4. Touch **Folder** to display the job files for the selected folder. Job files display in date order, newest files first, with the following subfile information: the file size in megabytes, the estimated number of transcript pages, an indicator when there is an associated Audio file and an indicator when there is an associated job dictionary.
5. Use **Date Sort** to toggle the display of files in ascending and descending order.
6. To copy files, touch the  **Down/Up** sensors to highlight the desired files. When finished, touch **Select** to highlight the files.
7. Ensure there is a thumb drive in the Luminex II USB A (host) port and touch **Copy**. The Luminex II automatically copies the selected files to the thumb drive. The Opening menu displays when the copy is complete.

## Dictionaries

The Luminex II uses Case CATalyst converted dictionaries or an RTF/CRE dictionary converted by the [RTF2Writer Dictionary Conversion](#) program. Valid dictionaries include your personal dictionary, any job dictionary and the Case CATalyst Power Define dictionary. You can also export the Case CATalyst Spell Check Wordlist and Prefixsuffixrules.ini file when using Case CATalyst 8.05 or higher.

The Luminex II can hold approximately 900,000 dictionary entries, depending on the size of the entries. The total number of combined personal and job dictionary entries cannot exceed 900,000.

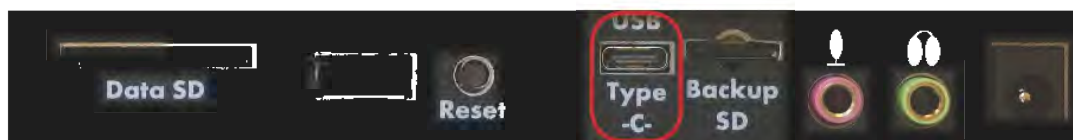
### Load Dictionaries on the Luminex II

The Luminex II loads Case CATalyst dictionaries from your computer via the USB Type-C cable or a WiFi connection. In order to export your Case CATalyst dictionaries via USB cable you must have installed the [Luminex II USB driver](#) on your computer.

Each time you load dictionaries, the newly loaded dictionaries overwrite all other dictionaries on the Luminex II. Dictionaries remain on your Luminex II until you load dictionaries again. When loading dictionaries, J-Defines held in the dictionary within the Luminex II memory are not cleared. To prevent previous J-Defines made on the Luminex II from applying to future jobs, you must clear the J-defines. You can manually [clear the J-defines](#) or have them [automatically cleared](#).

### To export Case CATalyst dictionaries to the Luminex II:

1. Ensure your Luminex II and computer are turned **On** and fully booted.
2. Start Case CATalyst.
3. On the Luminex II, do one of the following:
  - a. If using a USB connection, use the USB-C port on the back of the Luminex II to connect the writer to the computer.



- b. If using a WiFi connection, ensure that your Luminex II and the computer have a WiFi connection to the same WiFi network access point.
4. In Case CATalyst, open the **Export** function and select the Stenograph Writer tab.
  - If using Case CATalyst V16.03 or lower, select the élan/Fusion/Luminex II tab.
  - If using Case CATalyst V10.04 or earlier, select the élan/Fusion tab.
5. Select the dictionaries you want to load onto your Luminex II. The Personal Dictionary is selected by default to ensure the most recent version on your Luminex II. You can also select the Case CATalyst [Power Define](#) dictionary. To load the Spell Check Wordlist and the [Prefixsuffixrules](#).ini file, if applicable, check the appropriate box for each option. You must be using Case CATalyst V8.05 or higher.

6. In the Export With section of the Export dialog box, do one of the following:
  - a. If using a USB connection, click the radio button **USB**.
  - b. If using WiFi, click the radio button **WiFi**.
7. Click **Export**. The Luminex II beeps and briefly displays a progress bar along with a series of messages as the dictionaries load.
8. When the Luminex II finishes loading the dictionaries, it reboots, displaying the Opening menu. A verifying dictionary message may display. In CATalyst, depending on your Case CATalyst setting, the message, Export Complete, may display.

### Using Job Dictionaries

In addition to your main (personal) dictionary, you can use Case CATalyst exported job dictionaries for translation when writing on the Luminex II. You must load Case CATalyst job dictionaries onto the Luminex II in order to select them for translation.



When using the [RTF2Writer program](#), you can load up to seven job dictionaries on the Luminex II.

You can set job dictionary priority on the Luminex II. When a stroke appears in more than one dictionary with a different definition, the job dictionary with the highest priority is used to translate the stroke. All selected job dictionaries have a higher priority than the main dictionary and the J-Defines in the dictionary within the Luminex II memory.

#### To set dictionary priorities:

1. From the Opening menu, touch Dict.
2. From the Dictionary menu, touch Select. The Job dictionaries display in the order they were loaded onto the Luminex II.

The following information displays for each dictionary:

- *Priority* - the translation priority for the dictionary. One is the highest and ten is the lowest when dictionaries are selected.
  - *Job Dictionary Name* - the file name of the job dictionary.
  - *Date/Time* - the date and time the job dictionary was loaded on the Luminex II.
  - *Size* - the size of the job dictionary.
3. Select job dictionaries to use for translation and set the priority. Use the  Down/ Up sensors to move the pointer (>>) to the desired job dictionary and touch Select. The dictionary priority is set in the order you select the dictionaries. To reorder the priority, touch **Clear** to deselect all the dictionaries so that you can reselect the dictionaries in the desired priority order.

When the Case CATalyst Power Define dictionary is loaded, the Luminex II automatically selects it for use when making a [J-Define](#). The Power Define dictionary takes priority over all other dictionaries when creating a J-Define. It does not display in the dictionary list.



4. Do **one** of the following:
  - Touch **Accept** to save the selections. The Dictionary menu displays.
  - Touch **Quit** to exit without making changes to the existing job dictionary priorities. The Dictionary menu displays.
5. To display the Opening menu, touch **Quit**.

## Electronic Marks

Use the Mark function to electronically mark locations in your steno notes. For example, let's say that you hear something and you want to go back to it in your steno notes when there is a break. You could touch the Mark sensor and then use the Search feature to locate the Marks in the file.

### To mark your steno notes:

1. From the First Writing menu, touch either **Mark** sensor or the touch screen menu item.

When no dictionary definition exists for the Mark, the untranslate displays as /! in the Text and in the Vertical Notes on the tilting screen. If you have defined the Mark in your dictionary, the exclamation mark (!) displays in the Vertical Notes and the text definition displays in the text.

If the option [Function keys \(touch sensors\) during job](#) option is set to Off, you will need to use the touch screen Mark menu item.

2. **Continue writing.**

## J-Defines

J-Defines are steno-based words or phrases that are specific to a job, such as names, places and technical terms. You can create J-Defines on the Luminex II before beginning or during a job. The Luminex II automatically uses the J-Defines in the writer's memory, along with any other selected job dictionaries, when you write a job. J-Defines created during a job apply from the point you define them and do not apply to text you have already written.

If you are using Case CATalyst V13 or higher, J-Defines made on the Luminex II, including used briefs, are automatically sent to Case CATalyst when writing realtime via the USB Type-C connection or the WiFi connection. The defines are sent to the global table of the Case CATalyst realtime file. Any dictionary definitions made in the Case CATalyst file, including D-Defines, J-Defines, K-Defines and Other Defines, are automatically sent to the Luminex II and stored in the memory of the writer as J-defines. The exchanged definitions apply from the point of creation forward to all new realtime steno written.

J-Defines made for the current job are stored in the writer's memory and placed into a job dictionary on the Luminex II that uses the same date/time name as the job. The job dictionary is stored on the Data SD card as a subfile of the job. When using the Read function in Case CATalyst, the associated job dictionary is automatically transferred to Case CATalyst when reading the steno notes from the Data SD card.

All J-Defines created on the Luminex II are stored in the Luminex II's memory and remain in there until you clear them. The J-define's memory can hold approximately 100,000 J-Defines. J-defines in memory are automatically used on subsequent jobs. If you do not want to use the J-Defines in another job, you can [manually clear](#) them or set the [Clear J-defines](#) when turning on/ending job option ).

You can [save all the J-Defines](#) from the dictionary within the Luminex II memory to a dictionary file, `jdefines.sgdct`, on the Data SD and use the file in Case CATalyst as you would any job dictionary. For example, you can use the file in translations or merge the file into your CATalyst Personal dictionary.

Using Case CATalyst, you can [export your CATalyst](#) Personal Dictionary, job dictionaries and the Case CATalyst Power Define dictionary (use [Power Defines](#) commands when creating J-Defines on the Luminex II).

### Create J-Defines

When creating J-Defines on the Luminex II, you can fingerspell the text or you can stroke defined steno outlines to enter the text portion of a J-Define. The Luminex II's Spell Mode allows you to use steno stroke equivalents for each letter to enter the text portion of a J-Define. When stroking defined steno outlines in the J-Define Text field, the Luminex II automatically enters the text portion of an existing definition from your dictionary. For example, you have STKPWHR defined in your dictionary as <Question>. To define a misstroke for a question bank, you write STKPW R in the J-Define Steno field and touch **OK**. In the J-Define Text field you write STKPWHR. The Luminex II automatically inserts <Question>. If you are using Case CATalyst V13 or higher when writing realtime via a USB Type-C connection, the definition is sent to the global table of the Case CATalyst realtime file.

When an entry in your dictionary conflicts with a steno outline used by the Spell Mode feature, the steno outline in the Spell Mode feature takes priority. It is necessary to fingerspell the definition for any entry that conflicts with the Spell Mode feature. For example, you want to J-Define the misstroke for TKELG as “Dell.” You write the steno stroke TKELG in the J-Define Steno field and TKEL in the J-Define Text field. Since the Spell Mode feature uses TKEL for <Delete Space>, the Luminex II automatically enters <Delete Space> in the J-Define Text field. It is necessary to fingerspell Dell in order to define TKELG as “Dell.”

The exception to Spell Mode priority is for the **#\***. The **#\*** is internally defined in the Luminex II as Delete. If a dictionary used for translation contains another definition, the definition in dictionary takes priority.

When you use Power Define commands from a Case CATalyst Power Define dictionary loaded onto the Luminex II to create J-Defines, the Spell Mode feature is disabled and the Power Define dictionary takes the highest priority over other dictionaries in the J-Define feature.

### Create J-Defines Using the Power Define

You can use Power Define commands from a Case CATalyst Power Define dictionary loaded onto the Luminex II, in lieu of Spell Mode, to create J-Defines. The Power Define dictionary allows the use of your customized dictionary entries to fingerspell, write format commands and navigate within the J-Define feature. When you load your Case CATalyst Power Define dictionary onto your Luminex II, the Spell Mode feature is disabled and the Power Define dictionary takes the highest priority over other dictionaries only in the J-Define feature. If you are using Case CATalyst V13 or higher when writing realtime via USB Type-C connection, the definition is sent to the global table of the Case CATalyst realtime file.

When creating a J-Define, the Power Define dictionary loads into the dictionary priority list but does not display in the list of Job Dictionaries. A Power Define entry takes priority if it conflicts with another dictionary entry. When finished creating J-Defines, the Power Define dictionary is removed from the dictionary priority list and is not used for realtime translation.

Since the Spell Mode feature is disabled and it contains alphabetical characters, numbers and format symbols, you may want to put specific format symbols definitions in your Case CATalyst Power Define dictionary to use with the J-Define feature. For example, let's say you use the Colloquy format symbol in your J-defines for speaker identifications. In your Power Define dictionary, you have an entry using the steno, KOL, with the <Colloquy> format symbol entered in the Text of the definition. You export the Power Define dictionary along with any other dictionaries to the Luminex II. When writing a job, you select to J-define, you write the steno for the speaker, the command to move to the text definition and then you stroke “KOL” in the Text field to insert the <Colloquy> format symbol followed by a speaker name. This makes it easy to define unknown speakers on the fly on your Luminex II. See the Case CATalyst Help for information on creating Power Define dictionary entries in Case CATalyst.

You may want to review the [Spell Mode entries](#) for Punctuation and Format Symbols before exporting your Power Define dictionary. To remove the Power Define dictionary from your Luminex II and use the Luminex II default Spell Mode entries for J-Defines, use CATalyst's export feature again and select your dictionaries without selecting the Power Define dictionary.

## Create J-Defines Using Spell Mode

While writing on the Luminex II, you can create J-Defines using the built in Spell Mode alphabet and numbers.

1. Do **one** of the following:

- From the Opening Menu, touch **Dict, J-Defines, Add**.

The Add to J-Define screen displays. The total number of J-Defines entries and the amount of remaining space for J-Defines shows on the right side of the screen.

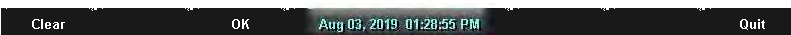


- From the First Writing Menu, touch **J-Defines**.

2. In the J-Define Steno field, **write the steno stroke(s)** for the J-Define. If you make a mistake, write an \* (asterisk) to delete the previous stroke or press **Clear** to delete all the strokes.



Enter Steno for Entry. Then Press OK.



3. When finished entering steno outlines, touch **OK**.
4. In the J-Define Text field, **write text for the J-Define**. Use uppercase and lowercase letter letters, punctuation and format symbols as defined in [Spell Mode](#). or write steno defined in your dictionary as the word or format symbol you are defining. For example,
- Write the stroke in Spell Mode defined as a format symbol.
  - Write a stroke that is defined in a dictionary, such as <Question>.
  - Write a stroke that is defined in a dictionary and use the Spell Mode letters to complete the word. For example, write the stroke for Peter and fingerspell "s" "e" "n" to make Petersen.
  - Use the Spell Mode letters to create a word that is not in the dictionary, such as "Kurkowski."

- If you make a mistake, write an \* (asterisk) to delete the previous character or press **Clear** to delete the entire entry.



5. When finished, touch **OK** to complete the definition.
6. Repeat the previous steps to create additional J-Defines. When finished creating J-Defines, do **one** of the following:
  - When creating J-Defines before beginning a job, touch **Quit** twice to return to the Opening menu.
  - When creating J-Defines while writing, touch **Quit. Continue writing**.

### Write All J-Defines to Data SD Card

You can copy all the entries in the J-Defines dictionary in the Luminex II memory to a dictionary file. When copying all the entries, the Luminex II names the file, `jdefines.sgdct`, and saves it to the Data SD card for use in Case CATalyst. You can then use Windows' My Computer feature to copy the file from the Data SD card to your Case CATalyst user name. Copying all J-defines to the Data SD Card does not [clear](#) (delete) them from the Luminex II's memory.

#### To copy the J-Defines to the Data SD card:

1. From the Opening Menu, touch **Dict, J-Defines**.



2. From the J-Define menu, touch **Write**. The following message displays prompting you to confirm the copy: *Ready to Write All J-Defines to Data SD card. Are You Sure?*
  - Touch **Yes** to write all J-defines in memory to the Data SD card to a file named `jdefines.sgdct`. The following message displays: *Writing J-Defines to Data SD Card.*
  - Touch **No** to cancel the J-defines being written to the Data SD card.
3. To display the Opening Menu, touch **Quit** twice.

## Clear All J-Defines

Depending on your Luminex II options, J-Defines can be automatically cleared when ending a job, you can be prompted to clear all J-defines when ending a job or turning the Luminex II On or you can manually clear all J-Defines from the Luminex II memory. The automatic option for clearing/being prompted for J-defines is available in the [Options](#) screen. The instructions below are for the manual method of clearing all J-defines.

### To delete all the J-Defines from dictionary in the Luminex II memory:

1. From the Opening Menu, touch **Dict, J-Defines, Clear**.



2. The following message displays prompting you to confirm the deletion: *Ready to Delete All J-Defines. Are You Sure?*
  - Touch **Yes** to clear all J-Defines from the Luminex II. The following message displays:  
*All J-defines deleted from this writer's memory.*
  - Touch **No** to retain the J-defines in memory.
3. To display the Opening Menu, touch **Quit** twice.

## **Spell Mode**

Use Spell Mode to create J-defines on the Luminex II or type a keyboard profile name using the following steno stroke equivalents. Case CATalyst Power Define dictionary entries on the Luminex II take priority.



## Lower and Upper case letters

Lower Case Letters		Upper Case Letters	
a	/ARBGS or /AEURBGS or /A or /AEU	A	/AFPLT or /AEUFPLT
b	/PW-RBGS or /PW or /-B	B	/PW-FPLT
c	/KR-RBGS or /KR or /-BG	C	/KR-FPLT
d	/TK-RBGS or /TK or /-D	D	/TK-FPLT
e	/ERBGS or /AOERBGS or /E	E	/EFPLT or /AOEFPLT
f	/TP-RBGS or /TP or /-F	F	/TP-FPLT
g	/TKPW-RGBS or /TKPW or /-G	G	/TKPW-FPLT
h	/H-RBGS or /H	H	/H-FPLT
i	/EURBGS or /AOEURBGS or /EU or /AOEU	I	/EUFPLT or /AOEUFPLT
j	/SKWR-RBGS or /SKWR or /-PBLG	J	/SKWR-FPLT
k	/K-RBGS or /K	K	/K-FPLT
l	/HR-RBGS or /HR or /-L	L	/HR-FPLT
m	/PH-RBGS or /PH or /-PL	M	/PH-FPLT
n	/TPH-RBGS or /TPH or /-PB	N	/TPH-FPLT
o	/ORBGS or /OERBGS or /O or /OE	O	/OFPLT or /OEFPLT
p	/P-RBGS or /P or /-P	P	/P-FPLT
q	/KW-RBGS or /KW	Q	/KW-FPLT
r	/R-RBGS or /R or /-R	R	/R-FPLT
s	/S-RBGS or /S or /-S	S	/S-FPLT
t	/T-RBGS or /T or /-T	T	/T-FPLT
u	/URBGS or /AOURBGS or /U or /AOU	U	/UFPLT or /AOUFPLT
v	/SR-RBGS or /SR	V	/SR-FPLT
w	/W-RBGS	W	/W-FPLT
x	/KP-RBGS or /KP or /-BGS	X	/KP-FPLT
y	/KWR-RBGS or /KWR	Y	/KWR-FPLT
z	/STKPWHR or /SAOE-RBGS or /SE- RBGS or /SAOE or /SOE or /SE or /-Z	Z	/STKPWHR-FPLT or /SAOE-FPLT or /SOE- FPLT or /SE-FPLT

## Punctuation and Format Symbols

Punctuation		Format Symbols	
?	(interrog) /STPH	<Question>	/STKPWHR or /KWE or /KWEU
.	(period) /-FPLT	<Answer>	/-FRPBLGTS or /APB or /APBS
:	(colon) /-FPLT/-FPLT	<Colloquy>	/KOL
;	(semicolon) /-FPLT/-RBGS	<Paragraph>	/*P or /PAR or /PRAF or /PAEUR
...	(ellipses) /-FPLT/-FPLT/-FPLT	<Delete Space>	/TKEL or /TKHRET
,	(comma) /-RBGS	<Sticky Space>	/KEP or /KAOEP
-	(dash) /TK-RB	<Tab>	/TAB
'	(apostrophe) /AE or /AOE	<New Line>	/HRAOEUPB
"	(double quote) /KW-T or /KWOET	<Glue>	/TKPWHRAOU or /TKPWHRU
(	(left paren) /STPH-FPLT	<Cap Next>	/KAP
)	(right paren) /STPH-FPLT/STPH-FPLT	<Cap Previous>	/PRE or /PRAOE
\$	(dollar sign) /-D or /-D#	<Uncap Next>	/KA*P or KAUP
^	(caret) /KA or /KAR		
&	(ampersand) /APBD or /AFRP or /APL		
*	(asterisk) /AS		
+	(plus sign) /P-LS		
/	(slash) /SHR-RB or /SHRARB		
	(space) /SPAEUUS		

Numbers

**Numbers**





- 1 /S#
- 2 /T#
- 3 /P#
- 4 /H#
- 5 /A#
- 6 /-F#
- 7 /-P#
- 8 /-L#
- 9 /-T#
- 0 /O#

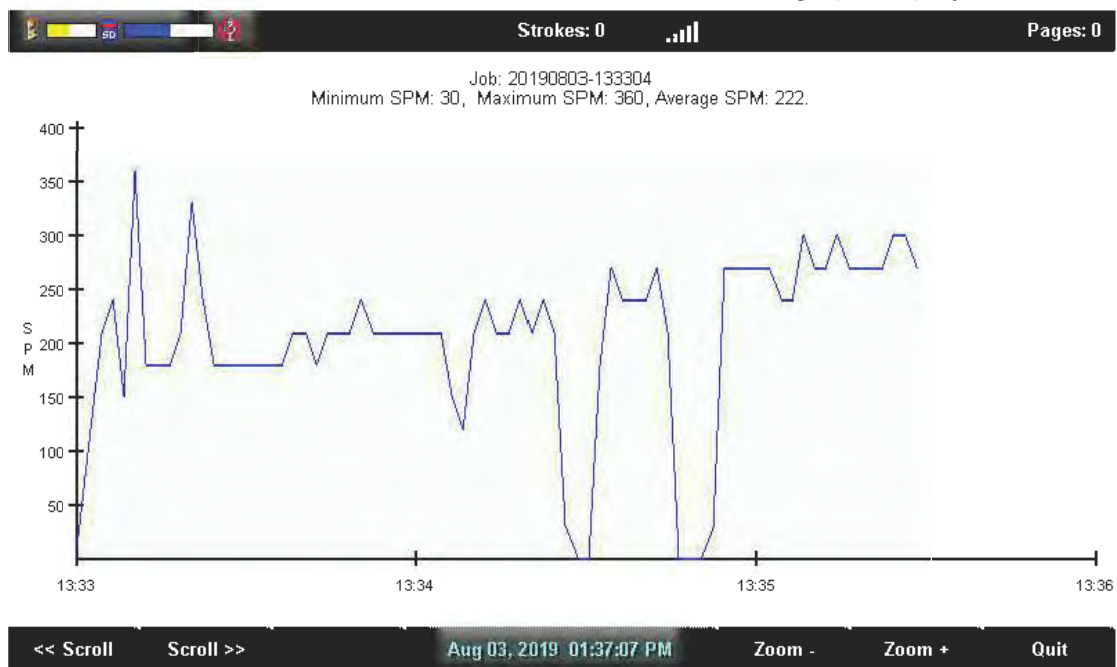
## Job Statistics

Job statistics display data for each job that includes the job size in bytes, the number of estimated pages, whether audio was used, whether or not there is a job dictionary associated with the file and the strokes per minute information (if active). Strokes per minute, SPM, information displays on a separate screen in numeric and graphic format. The numeric information includes the minimum, maximum and average strokes per minute for the selected job. The graph shows the varying speed of strokes throughout the job. The strokes per minute graph is only visible in Job Statistics when the job is closed.

When the [Display Strokes Per Minute](#) option is active, the Title bar and Status screen display strokes per minute (SPM) data. While writing, the Title bar shows the approximate number of SPM and the Status screen shows SPM data for the current job. When no job is active, the Status screen shows strokes per minute data for the most recent job.

### View Job Statistics

1. From the Opening menu, touch More, Job Stats.
2. Steno note folders display by year and month with the newest folder first. Use Date Sort to toggle folders between ascending and descending order.
3. Touch the  Down/ Up sensors to move to the desired folder and touch Folder to view job file data contained in the folder.
4. To view strokes per minute and the graph for a specific job, touch the  Down/ Up sensors to move to the desired file and touch Select. The Job Statistics graph displays.



5. Use the options as necessary:

- **Scroll** - Use the Scroll sensors <<**Scroll** or **Scroll**>> to move graph detail horizontally on the screen.
  - **Zoom** - Use the Zoom sensors to examine details of the graph in closer context or in a more distant overview.
6. Touch **Quit** to return to the Second Setup screen.
  7. Do **one** of the following:
    - View job statistics for another file, touch **Job Stats**.
    - Return to the Opening menu, touch **More**.



## Keyboard Settings

The majority of Luminex II users successfully adjust their keyboard accuracy using the [depth of stroke](#) and the [tension control](#) adjustment wheels. Occasionally, when a very short depth of stroke is used or after adjusting the tension control and depth of stroke, you may continue to experience stacking or splitting. The Keyboard Settings allow you to further customize the keystroke interaction to your writing style.

You can save changed Keyboard Settings to a keyboard profile. You can load the saved profile at another time to quickly apply the settings. You may want to create different keyboard profiles for situations when your writing varies. For example, let's say that your writing changes a little when writing for long hours. In the morning your strokes are crisp and in the afternoon, you tend to stack strokes a little more. You can have a morning keyboard profile and an afternoon keyboard profile. You go out on a deposition that lasts much longer than expected. In the morning, your steno outlines are crisp but when it drags on to that 6th hour of writing, you switch to your afternoon keyboard profile and your writing is back to being crisp because of the slight adjustments you saved in the afternoon keyboard profile.

As another example, let's say you are in a situation where several reporters share a Luminex II. The keyboard settings are very important to your writing success. Rather than having to adjust the keyboard settings every time you use the Luminex II, you can set the settings, save it to a Keyboard Profile with your name. The next time you use the Luminex II, you simply select your Keyboard Profile and start writing.

## Keyboard Adjustments

1. Make adjustments to the [keyboard depth of stroke and tension control](#) settings.
2. In order to simulate a real writing situation, turn on CNN or the equivalent and write against the broadcast for 20 - 30 minutes.
3. If you continue to experience keystroke issues, make further adjustments using the Keyboard Options. From the Opening Menu, touch Setup, More, Keyboard, Adjust. If you need to make adjustments during a job, touch More, Setup, Keyboard, Adjust.
4. Perform the adjustments according to the following priority list to ensure optimal keystroke performance. Use the  Down/ Up sensors to highlight an option.
  - a) **Keyboard Sensitivity** - Adjust the overall keyboard sensitivity. This may be particularly necessary when your depth of stroke is very shallow. It is strongly recommended that you select the first available setting and assess the change. Turn on CNN or the equivalent and write against the broadcast for 20 - 30 minutes.  
The default setting is Balanced. Use the + and - sensors to select **one** of the following:
    - Less Sensitive (-) A key or keys show that you do not want in your steno outlines (shadowing).
    - More Sensitive - A key or keys you want are not in your steno outlines (missed or dropped).

- b) **Split/Stack Adjustment** - When you experience splitting steno outlines or multiple steno outlines becoming one, adjust the *Split/Stack Adjustment* setting. It is strongly recommended that you select the first available setting and assess the change. Turn on CNN or the equivalent and write against the broadcast for 20 - 30 minutes.
- The default setting is Balanced. Use the + and - sensors to select one of the following:
- Less Splitting 1 - Multiple steno outlines show in your steno notes that are intended to be one stroke.
  - Less Stacking 1 - Single steno outlines show in your steno notes that are intended to be two strokes.
- c) **Transition Time** - Transition time is the number of milliseconds that pass between the release of a key stroke and when the Luminex II recognizes the next key stroke. This can affect the stacking or splitting of steno outlines. **If you experience stacking or splitting steno outlines, adjust the *Split/Stack Adjustment* option first.** If the *Split/Stack Adjustment* settings do not resolve the splitting or stacking of steno outlines, set the *Split/Stack Adjustment* option to “Balanced” before changing the *Transition Time* setting. It is strongly recommended that you adjust the transition time in a small increment and assess the change. Turn on CNN or the equivalent and write against the broadcast for 20 - 30 minutes.
- The default setting is 18 milliseconds. Use the + and - sensors to choose a number between 2 and 66.
- Lengthen transition time setting - If split steno outlines continue to show in your steno notes, lengthening the transition time should help. Split steno outlines indicate that the transition time is too short. Increase the transition time setting in small increments. To increase the transition time (lengthen the time allowed for strokes to be combined into one) touch + (plus). For example, if the Transition Time setting is 8 ms (default), touching + increases the transition time to 10 ms.
  - Shorten the transition time setting - if stacked steno outlines continue to show in your steno notes, shortening the transition time should help. Stacked steno outlines indicates that the transition time is too long. Decrease the transition time setting in small increments. To decrease the transition time (shorten the time allowed for strokes to be combined into one), touch - (minus). For example, if the Transition Time setting is 8 ms (default), touching - decreases the transition time to 6 ms.
- d) **Return to Factory Default Settings** - Reset all the keyboard options to the default factory settings. Use the - (**No**) or + (**Yes**) sensor to make your selection. If you only made changes in Adjust Keys feature, you will not be prompted to save the settings as indicated in the next step.
1. Touch OK. You are prompted to save the settings to a Keyboard [profile](#). If you made these adjustments while writing, after you end the job you are prompted to save the settings to a profile.

In addition, you will not be prompted to save to a keyboard profile if you selected to Reset all the key settings to the factory default.

2. Select **one** of the following:

- **Yes.** Apply the settings and display the Keyboard Profiles screen. Do the following using the **▼** **Down/▲ Up** sensors to highlight an empty profile or profile name and touch **Save**:
  - Type a profile name using uppercase and lowercase letter letters, punctuation and format symbols as defined in [Spell Mode](#); or write steno defined in your dictionary as the word. The maximum number of characters is 32.
  - Touch **Accept**. To cancel the saving of the profile, touch Cancel.
- **No.** Apply the settings, which are remembered until changed. They are not saved to a profile. To return to the Opening menu, touch **Quit** twice.

### Individual Key Adjustments

When an individual key is consistently appearing when you don't want it (too sensitive) or not appearing when you want it (not sensitive enough), it is time to adjust an individual key. If you are experiencing multiple keys that drag or drop, first carefully follow all the steps in [Keyboard Adjustments](#) before making individual key adjustments.

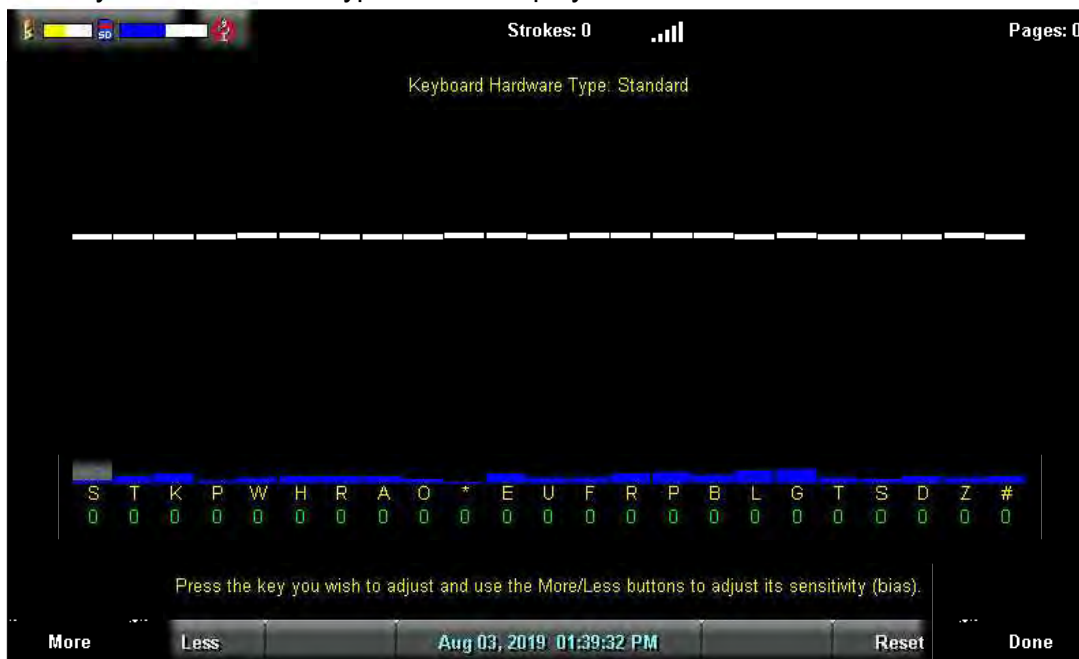
If you are making an individual key adjustment during a break from the proceedings, there is a safeguard if you need to return to testimony immediately. If you press three or more keys five consecutive times while making individual key adjustments, the Luminex II automatically exits the screen. When you are in a job, you are returned to the realtime screen. Any adjustments made prior to the five consecutive strokes are remembered but you are not prompted at any time to save the changes to a profile.

#### To adjust an individual key:

1. Ensure the [depth of stroke](#) is customized to your writing style.
2. Access the Adjust Keys option. Do one of the following:
  - Before writing, touch **Setup, More, Keyboard, Adjust, Adjust Keys**.
  - During a job, touch **More, Setup, Keyboard, Adjust, Adjust Keys**



3. The Keyboard Hardware Type screen displays.



*Keyboard at rest with the deepest depth of stroke setting.*

The line of white bars at the top of the screen represents the bottom of the keyboard. Each individual white bar indicates the point the key must reach or move slightly past in order to register as a stroke. The horizontal position of the line varies depending on the depth of stroke setting. For example, a deeper depth of stroke places the line closer to the top of the screen. A very short depth of stroke, places the white lines in the graphic closer to the bottom. The number below each key is the current setting. Zero is the factory default



4. Press the key you want to adjust with enough pressure to move it past the white bar and then release it. The gray vertical bar highlights the key selected for adjustment. In the screen shot above, the initial **S** is selected for adjustment.
5. Perform one of the following adjustments:
  - **More** - Increase the key sensitivity when the key is not showing in the steno notes and you want it to register. Increase the sensitivity using increments of 5. It is strongly recommended that you make the first incremental setting and assess the change. Turn on CNN or the equivalent and write against the broadcast for 20 - 30 minutes.
  - **Less** - Decrease the key sensitivity when the key is showing in the steno notes and is not wanted. Decrease the sensitivity using increments of 5. It is strongly recommended that you make the first incremental setting and assess the change. Turn on CNN or the equivalent and write against the broadcast for 20 - 30 minutes.
  - **Reset** - Return all the key settings to the factory default.

6. When finished, touch **Done**. You are prompted to save the settings to a profile. If you made the adjustment while write a proceeding, you are prompted to save the settings to a profile after you End the job. No prompting occurs if you selected to *Reset* all the key settings to the factory default.

## Keyboard Profiles

A keyboard profile is a group of [Keyboard Settings](#) saved to a file. When you load a saved Keyboard profile, the Luminex II automatically applies the saved Keyboard Settings. You can have up to ten different keyboard profiles. For example, let's say that when you have a fast talking attorney you tend to stack more. You make the appropriate adjustments to the keyboard settings and save the settings to the *Fast* keyboard profile name. You get to the proceedings and realize that the attorney for the afternoon is a fast talker. On your Luminex II, you load the Fast keyboard profile. You can even set a default Keyboard Profile so every time you turn on your Luminex II, the default keyboard profile is automatically loaded.

### Load a Keyboard Profile

1. Do **one** of the following:
  - Before writing, touch **Setup, More, Keyboard, Profiles**.
  - During a job, touch **More, Setup, Keyboard, Profiles**.
2. Use the  Down/ Up sensors to select a keyboard profile.
3. Touch **Load**.
4. Do **one** of the following:
  - Before writing, touch **Quit** twice.
  - During a job, continue writing.

## New View

The New View feature is available when you are writing a job and allows you to change the touch screen view. The display cycles between displaying steno only, text only, text with vertical notes and text with the Brief It pane. The message Brief It (Disabled) displays in the cycling view when Brief It is turned Off. You can change the touch screen view any time while writing a job.

### To change the tilting screen view:

1. From the First Writing menu, touch **More, New View**.
2. Touch **New View** until the desired selection displays.
3. **Continue writing**.

## Memory

The Luminex II uses memory to store steno notes and timestamp files as additional backup to the Data SD and Backup SD cards. Steno note files stored in memory remain even when you turn the Luminex II Off. You can save individual or multiple steno note files that are stored in memory to a Data SD card or thumb drive in the rare instance you need to retrieve a file.



In addition to steno files and timestamp information, the Luminex II memory also stores dictionaries, j-defines made on the Luminex II, user settings and log files. The Luminex II memory has approximately 6 GB of space. You can view the available space in memory, copy files from memory or clear the memory. If you decide to clear the memory, you are only removing access to the steno notes and timestamps from memory, you are not removing your dictionaries, j-defines, log files or user setting information.

### View and Copy Memory Files

The memory screen displays the list of files in a year, month, date and time format: 20190803-142341 (August 03, 2019 2:23:41 p.m.). By default, the newest file is listed first. The file size and the estimated number of transcript pages shows for each file. Timestamp files are part of the steno note file. They are not visible in the list.

Files in memory can be copied to the Data SD card or to a thumb drive. Files are automatically copied to the root directory of the destination drive. When copying to a thumb drive, be sure to insert your USB device before copying files.

#### To view and copy memory files:

1. From the Opening menu, touch **Storage, Memory**.
2. Steno note files display with the newest folder first. Use **Date Sort** to toggle files between ascending and descending order.
3. Touch the  Down/ Up sensors to move to the desired file and touch Select. You can select to copy any or all of the files in memory.
4. When finished selecting files, touch **Copy**. The Luminex II prompts you to copy to the Data SD card or a thumb drive. When copying to a thumb drive, ensure you insert the thumb drive into USB A (host) port before copying.
5. Touch **one** of the following:
  - **Data Card**
  - **Thumb Drv**
6. Files are copied to the root of the storage destination.
7. The Opening menu displays. If you need to remove the Data SD Card or thumb drive, turn the Luminex II **Off** and then remove the card/drive.

### Clear Memory

Although it is not usually necessary to clear the memory, if the need arises you can clear all files from memory. The Luminex II memory never becomes full, the oldest files are always overwritten.

1. From the Opening menu, touch **Storage, Memory**.
2. To clear all files from Memory, touch **Clear**. At the *Ready to Clear All Files in Memory. Are you Sure?* confirmation prompt, do **one** of the following:
  - To remove all the files from memory, touch **Yes**.
  - To cancel the removal of files from memory, touch **No**.
3. To return to the Opening menu, touch **Quit**.

### Information

After selecting Memory from the Storage menu and then selecting Information, the Memory dialog box displays the Volume Label, free space and percentage of free space available in memory. The Luminex II memory is approximately 6 GB. Although there is a lot of free space available, the Memory feature should not be used as an archive, you should perform your regular backups of steno files and archival. The extra memory space may also be used for future features and enhancements. Touch **OK** to dismiss the Memory dialog box.

## Options

The Luminex II Options allow you to switch the USB communication between Standard and élan Mira® emulation, select your keyboard layout language (International), adjust Beeper Volume, view strokes per minute job statistics, prompt or automatically delete J-defines from the writer's memory, select a prompt when ending a job and change the save setting for TrueStroke files.

### To access Options:

1. From the Opening Menu, touch **Setup, More, Options**.
2. For details about each option, see the appropriate topic in this chapter:
  - ["Language"](#)
  - ["Keyboard Layout"](#)
  - ["USB Communication"](#)
  - ["Beeper Volume"](#)
  - ["Function keys \(touch sensors\) during job"](#)
  - ["Prompt to confirm ending job"](#)
  - ["Clear J-defines when turning on/ending job"](#)
  - ["Display strokes per minute \(SPM\)"](#)
  - ["Save TrueStroke Files to Data SD Card"](#)

## Language

The Language option allows you to change the Luminex II menus and options display in the selected language. If you choose an option other than English, you need to save your settings (touch **OK**) and turn the Luminex II **Off** and then **On**. Three language options are available: English (default), Italian and French.

### To change the display language for menus and options:

1. From the Opening menu, touch **Setup, More, Options**.
2. Touch the **Change** sensor to toggle the option between French, Italian and English (default). If you select Italian or English, you need to touch **OK** to save the changes and then turn the Luminex II Off and then On for the menus and options to display in the correct language.
3. To display the Opening menu, touch **OK, More, Quit**.

## Keyboard Layout

Keyboard Layout is designed for international use of the Luminex II. An international keyboard usually contains different keys, key positions and characters. Changes to the Keyboard Layout should only be made when your steno keyboard layout uses a specific language steno theory.

1. From the Opening menu, touch **Setup, More, Options**.
2. Touch the **▼ Down/▲ Up** sensors as necessary to highlight the Keyboard Layout option.
3. Touch the **Change** sensor to cycle through the available keyboard.
4. To display the Opening menu, touch **OK, More, Quit**.

## USB Communication

The Luminex II uses the same realtime USB protocol as the Diamante and élan Mira®; however, some CAT systems look specifically for the writer model instead of the USB protocol. If your CAT software is looking specifically for élan Mira protocol versus a standard USB protocol, the USB Communication option allows you to switch the USB protocol from Standard to élan Mira. With that change, it enables you to connect your CAT system to the Luminex II via USB cable for realtime communication.

The USB Communication option only affects realtime communication via USB. Virtual USB serial port communication is not available if this change is made. It does not affect exporting an RTF/CRE dictionary to the Luminex II via USB cable.

Selecting Mira Emulation may resolve connections issues when writing realtime via a USB connection with a CAT software system other than Case CATalyst. Selecting Mira Emulation does not cause the loss of any functionality, it simply gives the writer a different USB identifier that other software may recognize and understand. You may also want to try Mira Emulation if you are using software other than Case CATalyst and you are not able to reconnect after disconnecting for sidebar conversations.

### To change the USB Communications option:

1. From the Opening Menu, touch **Setup, More, Options**.
2. Use the **▼ Down/▲ Up** sensors to highlight the USB Communication (Writer will Reset if Changed): field.
3. Touch **Change** to switch to Mira Emulation or Standard. Standard is the default selection. A USB Communication message displays indicating that changing the setting requires the writer to restart.
4. Do **one** of following:
  - Touch **Accept** to change the setting. The Luminex II automatically resets and displays the Opening menu.
  - Touch **Cancel** to retain the current setting and return to the Options screen.



## Beeper Volume

While you are writing, you may not be looking at the Luminex II screen all the time. The Luminex II has a beeper to alert you to specific messages on the tilting screen, such as Low Battery. It may be important to adjust the beeper volume depending your work environment.

### To adjust the beeper volume:

1. From the Opening menu, touch **Setup, More, Options**.
2. Touch the **Down/Up** sensors as necessary to highlight the Beeper Volume option.
3. Touch the **Change** sensor to toggle the Beeper volume between Soft and Loud. The Luminex II emits a softer or louder tone indicating the volume level selected.
4. To display the Opening menu, touch **OK, More, Quit**.

## Function Keys (touch sensors) during job

The Function keys (touch sensors) during job option has three settings. On, Off and Only stenomark. When the option is set to On, all the touch sensors are enabled while you are writing. This means you can either use the touch sensors above the steno keys or the touch screen menu items to end the file, insert a Mark, search for the last Q, etc. If this option is set to Off, the touch sensors are disabled while in a job and you need to use the touch screen menu to navigate and to end a file. Setting this option to No may be useful for those users who want to avoid the accidental touching of a touch sensor while writing a job. Once you change to a different menu or end a job, the touch sensors are available until you are in another job.

When this option is set to Only stenomark, the Mark touch sensors (insert a mark into the file) work even if the rest of the function keys (touch sensors) are disabled. The touch sensors will work once you are in an action. For example, let's say you touch More... on the touch screen and then touching New View. All the touch sensors are available until you return to writing.

### To select or deselect to use the function keys (touch sensors) during job option:

1. From the Opening menu, touch **Setup, More, Options**.
2. Touch the **Down/Up** sensors as necessary to highlight the Function keys (touch sensors) during job option.
3. Touch the **Change** sensor to toggle the options between:
  - **On**. Selecting On means that all touch sensors are available while writing a job. (On is the default setting.)
  - **Only StenoMark**. Selecting Only stenomark means all the touch sensors except the Mark touch sensors are disabled while writing a job. If you want a StenoMark in the file, you can touch the Mark touch sensor or the touch screen. If you want to close the file, you need to press End on the touch screen.

- **Off.** Selecting Off means all the touch sensors are disabled while writing a job. You need to use the touch screen menu items to navigate and to end a file.
4. To save the setting and display the Opening menu, touch **OK, More, Quit.**

### Prompt to End Job

The Luminex II can optionally prompt you with a confirmation message each time you touch the End sensor or touch screen menu item to close a job. If you find yourself ending jobs prematurely because you accidentally touched the End sensor, you may want to change this option. When the Confirmation message displays, you can continue to close the job by selecting End again. Touching **Cancel** or continuing to write cancels the message and the job remains open.

#### To set the end job confirmation prompt option:

1. From the Opening menu, touch **Setup, More, Options.**
2. Touch the  **Down**/ **Up** sensors as necessary to highlight the Prompt to end job option.
3. Touch the **Change** sensor to toggle the option between Yes and No. Yes is the default.
  - **Yes** - means you will be prompted to confirm that you want to end the file. The following prompt displays:  
“To Confirm End of Job, press End.” To end the job, touch the End sensor now located on the right side of the screen.  
If you continue to write without press End again, the message goes away.
  - **No** - means that when you touch **End** in a job, the file will close.
4. To save the setting and display the Opening menu, touch **OK, More, Quit.**

### Clear J-defines when turning on/ending job

J-defines made on the Luminex II are sent to a J-defines file in the Luminex II's memory. All dictionary defines made when writing realtime via the USB cable to Case CATalyst V13 or higher are also sent to the Luminex II and are saved in the writer's memory. J-defines held in memory are automatically used for translation in subsequent files on the Luminex II unless cleared. The J-defines can be [cleared \(deleted\) manually](#) or automatically by selecting an action for this option. If you do not always want J-defines made in one file to always apply to future jobs, you may want to select the setting that best fits your needs. The default setting is Never.

#### To set the Clear J-defines when turning on/ending job option:

1. From the Opening menu, touch Setup, More, Options.
2. Touch the  **Down**/ **Up** sensors as necessary to highlight the Clear J-defines when turning on/ending job option.
3. Touch the Change sensor to toggle the option between the following settings. The default setting is Never.

- **Never** - means the J-defines will never automatically be deleted from the writer's memory. You can manually clear J-defines in memory from the Opening menu by selecting Dict., J-Defines and then Clear.
- **Ask** - means you will be prompted at the end of each job and/or when turning the Luminex II On when J-defines exist. The following message displays:  
*Ready to delete all J-defines from this writer's memory. Are you sure?*

- Select **Yes** to clear (delete) the J-defines from memory. The following message displays:  
*All J-defines deleted from this writer's memory.*

Select **No** to retain the J-defines in the writer's memory. You will be prompted to delete all j-defines each time you turn the machine on and/or when ending a file.



- **Always** - means the J-defines will automatically be deleted when closing a file or when turning the Luminex II On. The following message displays:  
*All J-defines deleted from this writer's memory.*

4. To save the settings and display the Opening menu, touch **OK, More, Quit**.

#### Display Strokes Per Minute (SPM) Option

The Display Strokes Per Minute option allows the average number of strokes per minute to display on the Luminex II Title bar and saved to the Status screen. While writing, the Title bar shows the approximate number of strokes per minute, followed by SPM. While writing, the Status screen shows strokes per minute data for the current job. When you are not writing and access the Status screen (Opening menu, More, Status) shows strokes per minute data for the most recent job. If you do not show the Strokes Per Minute information, then the Luminex II tracks the total number of strokes.

#### To set the Strokes Per Minute information:

1. From the Opening menu, touch **Setup, More, Options**.
2. Touch the  Down/ Up sensors as necessary to highlight the Display Strokes per minute (SPM) option.
3. Touch the **Change** sensor to toggle the option between Yes and No. Yes is the default.
  - **Yes** - displays the strokes per minute information on the Title bar and the Status screen.
  - **No** - displays the total number of strokes in the current job (while writing) or the total strokes written on the Luminex II when not in a job.
4. To display the Opening menu, touch **OK, More, Quit**.

#### TrueStroke



TrueStroke technology is a sophisticated algorithm that tracks the direction and velocity of keystrokes. This detailed information gives you a visual indication of what steno keys were pressed, how long they

were held down and when they were released. This information may help you make better key adjustments, if necessary and understand your writing style better. It also may help when editing in Case CATalyst to determine misstrokes.

By default, the Luminex II writes TrueStroke data, the.sgxr2 subfile, to the Data SD card along with the steno note file. When you read the steno note file into Case CATalyst 10.07 or higher, the TrueStroke data is automatically copied to the job subfile, Steno X-ray2. When writing realtime via the USB Type-C cable or WiFi connection, the TrueStroke data is written to Data SD card and the Case CATalyst job subfile, Steno X-ray2. Note: Case CATalyst V13 or higher is required for a WiFi connection.

To view TrueStroke information in Case CATalyst, display the vertical notes for the realtime job and double click the steno outline for the TrueStroke data you want to view. See the Case CATalyst Help more information about TrueStroke data. The free, downloadable [TrueView® utility](#) allows Case CATalyst V10.06 or earlier versions and other CAT software users to view the TrueStroke data for steno files. This may be helpful if you are student or just getting started as a reporter.

**To change the TrueStroke setting:**

1. From the Opening Menu, touch **Setup, More, Options**.
2. Use the  Down/ Up sensors to highlight the Save TrueStroke Files to Data SD card option.
3. Touch **Change** to select Yes or No.
  - **Yes** - saves the TrueStroke Data to the Data SD Card.
  - **No** - does not save the TrueStroke Data to the Data SD Card.
4. To display the Opening menu, touch **OK, More, Quit**.

## Reopen

Using the Reopen feature, you can open an existing file for searching and readback purposes. For example, let's say you wrote in the morning and at lunch, you closed the file on your Luminex II. After lunch, you realize that the same witness is going to continue with his testimony so you open the morning file and append the afternoon testimony to it. That allows you to readback from the morning file if it is requested. You can search, scroll and playback audio in a reopened file.





The Luminex II stores files for reopen on the Data SD card. It is necessary to have the Data SD card in the Luminex II in order to reopen files. When you reopen a file and resume writing, the new text is appended to the reopened file and is a single file on the Data SD card. New text shows on the screen following the heading, *Reopened Section*. The Luminex II creates a new Reopened Section each time you reopen a file. J-Defines created in the reopened file apply only to the appended portion and are the only J-Defines stored with the file. J-Defines created during previously reopened sections are available by writing all J-Defines to the J-Defines.job dictionary.

You can only reopen a job with associated audio on the same day it was created. For example, let's say you take the testimony of a witness and when finished, you end the file on your Luminex II. As you start to pack up, the attorney remembers that he forgot to ask the witness some specific information so the attorney wants to go back on the record. You can only reopen and append to the job the same day. The original and appended steno notes, timestamps, audio and all new J-Defines are stored in the same file on the Data SD card. The original and appended files are saved in separate files in memory and on the Backup SD card.

In addition:

- If a job selected for reopen has audio and your options are currently set to *not record* audio, you can only open and append to the job by changing your audio settings to record audio.
- If the job selected for reopen does not have audio and your options are currently set to record audio, you can only open and append to the job by changing your audio setting to not record audio.

### To reopen and append a file:

1. From the Opening menu, touch Reopen.
2. Job files are organized into folders by year and month, with the newest folder first. Touch the  Down/ Up sensors to highlight to the desired folder. Use Date Sort to toggle folders between ascending and descending order.
3. Touch Folder to display the job files for the selected folder. Job files display in date order, newest files first, with the following subfile information: the file size in megabytes, the estimated number of transcript pages, an indicator when there is an associated Audio file and an indicator when there is an associated job dictionary.
4. Touch the  Down/ Up sensors to highlight the desired file for reopen.
5. Touch Open. The Luminex II loads the file. The new translation displays on the Tilting screen under the Reopened Section.

6. Write a stroke on the writer. Once you write a steno outline, you can play back any audio from the current or reopened file.

## Search

The Luminex II allows you to search and scroll through a job using information from the Data SD card. Ensure the Data SD card is inserted into the Data SD slot on the Luminex II to effectively use search.

When you select to search for an item, the Luminex II highlights the located item on the screen. You can search for the last question, answer, untranslate or electronic Mark. You can also search for one or more specific steno strokes.

### Search for Last Question





1. From the First Writing menu, touch **Last Q**. The Luminex II highlights the last Q. If a question is not found or you reach the beginning of the file, the search stops with the cursor positioned at the top of the file. Use **any** of the following menu options:
  - **New View** - change the [view](#) on the tilting screen.
  - **Play** - playback the audio.
  - **Prev. Q** - search backward in the file for previous question.
  - **▼ Down** - scroll forward in the file.
  - **▲ Up** - scroll backward in the file.
2. **Continue writing** or touch **Quit**. The First Writing menu and your current writing position display.

### Search for Last Answer



1. From the First Writing menu, touch **More, Search, Last A**. The Luminex II highlights the last A. If an answer is not found or you reach the beginning of the file, the search stops with the cursor positioned at the top of the file. Use **any** of the following menu options:
  - **New View** - change the [view](#) on the tilting screen.
  - **Play** - playback the audio.
  - **Prev. A** - search backward in the file for previous answer.
  - **▼ Down** - scroll forward in the file.
  - **▲ Up** - scroll backward in the file.
2. **Continue writing** or touch **Quit**. The First Writing menu and your current writing position displays.

### Search for Last Mark

Search for the last occurrence of a Stenomark (Mark). An undefined electronic Mark displays as an exclamation mark (!) in the Vertical Notes on the tilting screen.

1. From the First Writing menu, touch **More**, **Search**, **Last Mark**. If the Mark is not found or you reach the beginning of the file, the search stops with the cursor positioned at the beginning of the file. Use **any** of the following menu options:
  - **New View** - change the [view](#) on the tilting screen.
  - **Play** - playback the audio.
  - **Previous** - search backward in the file for previous electronic mark.
  -  **Down**/ **Up** - scroll forward in the file.
  -  **Down**/ **Up** - scroll backward in the file.
2. **Continue writing** or touch **Quit**. The First Writing menu and your current writing position display.

### Search for Steno Strokes

1. From the First Writing menu, touch **More**, **Search**, **Steno**. The Enter Steno To Search For field displays.
2. Write the steno strokes on which to search. If you make a mistake, touch Clear and write the new strokes.
3. Touch **OK**. The Luminex II highlights the text for the searched steno outline(s). If your View is set to display text and vertical notes, then the matching searched steno is highlighted in vertical notes. If the steno outline(s) are not found or you reach the beginning of the file, the search stops with the cursor positioned at the top of the file. Use **any** of the following menu options:
  - **New View** - change the [view](#) on the tilting screen.
  - **Play** - playback the audio.
  - **Previous** - search backward in the file for previous occurrence of the steno outline(s).
  -  **Down** - scroll forward in the file.
  -  **Up** - scroll backward in the file.
4. **Continue writing** or touch **Quit**. The First Writing menu and your current writing position displays.

### Search for Last Untranslate

Searching for the last untranslate can be an easy way to identify the steno for a J-Define.

1. From the First Writing menu, touch **More**, **Search**, **Untranslate**. The Luminex II highlights the last untranslate. If an untranslate is not found or you reach the beginning of the file, the search stops with the cursor positioned at the top of the file. Use **any** of the following menu options:
  - **New View** - change the [view](#) on the tilting screen.
  - **Play** - playback the audio.
  - **Previous** - search backward in the file for previous untranslate.



- **▼ Down** - scroll forward in the file.
  - **▲ Up** - scroll backward in the file.
2. **Continue writing** or touch **Quit**. The First Writing menu and your current writing position displays.

## Screen Saver Picture

The Luminex II can display your Splash Screen image (the image that appears when you power on the Luminex II) as a screen saver when the writer is idle. You can choose between 1 - 15 minutes of idle time before the screen saver appears.

To change the Luminex II screen saver setting, do the following:

1. From the opening screen, select **Setup, Display, Backlight**.
2. Select **Down** to move the pointer (>>) to the Screen Saver After option.
3. Use the +/- selections to choose from 1 minute through 15 minutes of idle time before the screen saver appears.
4. Select **OK**.

The Screen Saver After option is independent of the other backlight options. For example, if you have the Screen Saver After option set to 1 minute and your Audio Dim After option set to 30 seconds, the screen will dim to the Backlight Dim Level percentage setting after 30 seconds of idle time and 30 seconds later the screen saver splash screen image will appear.

- Note: the Luminex II/Diamante/Wave Splash Screen Loader Utility can be used to customize the Splash Screen image of your Luminex II. The utility is available at [www.stenograph.com/utilities-links-downloads](http://www.stenograph.com/utilities-links-downloads).

## Scroll - Using Menu

Using the Scroll function, you can review testimony by moving up or down the tilting screen one line at a time. When you resume writing, the Luminex II returns to the current spot in the testimony.

1. From the First Writing menu, touch **More, Scroll**.
2. Use **any** of the following menu options:
  - **New View** - change the [view](#) on the Tilting screen.
  - **Play** - playback the audio.
  - **Down** - move to a previous line.
  - **Up** - move to the following line.
3. To exit the Scroll menu, **continue writing** or touch **Quit**.

## Scroll - Using Touch Screen

Use swiping gestures on the touch screen to scroll text, steno, and vertical notes up and down. This is useful for viewing and readback of testimony. If you'd like to scroll and play audio from a specific text location, use the [menu options for scrolling](#).

### Scrolling Text

Swipe up in the text area on the writing screen to scroll the text downward. Swipe down in the text area on the writing screen to scroll the text upward. Depending on your selected view, the vertical notes area of the writing screen may also scroll to keep the steno notes and the associated text translation together on the display. Use a single touch point. For example, use your index finger. The speed of the swipe and if your finger (touch point) stays in contact with the screen will determine the speed and amount of scrolling that occurs.

To achieve smaller amounts of scrolling do the following:

- Swipe up or down slowly while keeping your finger (touch point) in contact with the screen for the entire swipe gesture.

To achieve larger amounts of scrolling do the following:

- Swipe up or down quickly and let your finger (touch point) lift up from the screen at the end of the swipe gesture.

The screenshot displays the Luminex II interface with a text area on the left and a steno area on the right. The text area contains a Q&A transcript. The steno area shows corresponding shorthand. A hand icon with an upward arrow is positioned over the text, and a downward arrow is positioned over the steno, indicating scrolling directions. The interface includes a status bar at the top with 'Strokes: 421', '0 SPM', and 'Pages: 2'. The bottom status bar shows 'End', 'Mark', 'Last Q', 'Jun 11, 2019 02:59:25 PM', 'J.Defines', 'Mark', and 'MdB...'.

**Text Area:**

A. Yes, sir.  
 Q. Who did you see at the concert?  
 A. We saw Ashley Simpson.  
 Q. How tall was the suspect?  
 A. He was five feet six inches, possibly five foot seven.  
 Q. We have been discussed at the first and second point and I want to discuss with the third point. His blood alcohol was three and this is under the legal limit.  
 A. No, his blood alcohol was point three.  
 Q. Do you know what type of gun it was?  
 A. It was a 45 caliber.

**Steno Area:**

S P E B GT  
 FRPBLGTS  
 H A O  
 T P AO EUF  
 T P AO E T  
 S ED B G S  
 EMFRPBLG S  
 R B G S  
 P O BL  
 L  
 T P AO EUF  
 T P AO T  
 S E F P  
 F P L T  
 STKPVHR  
 U E F  
 PV PB  
 STK OF D  
 T P EU R S  
 S PB  
 P E B G D  
 P PB T  
 P  
 AO EU  
 W A PB T  
 T O  
 K O PB T  
 W EU

### Scrolling Vertical Notes

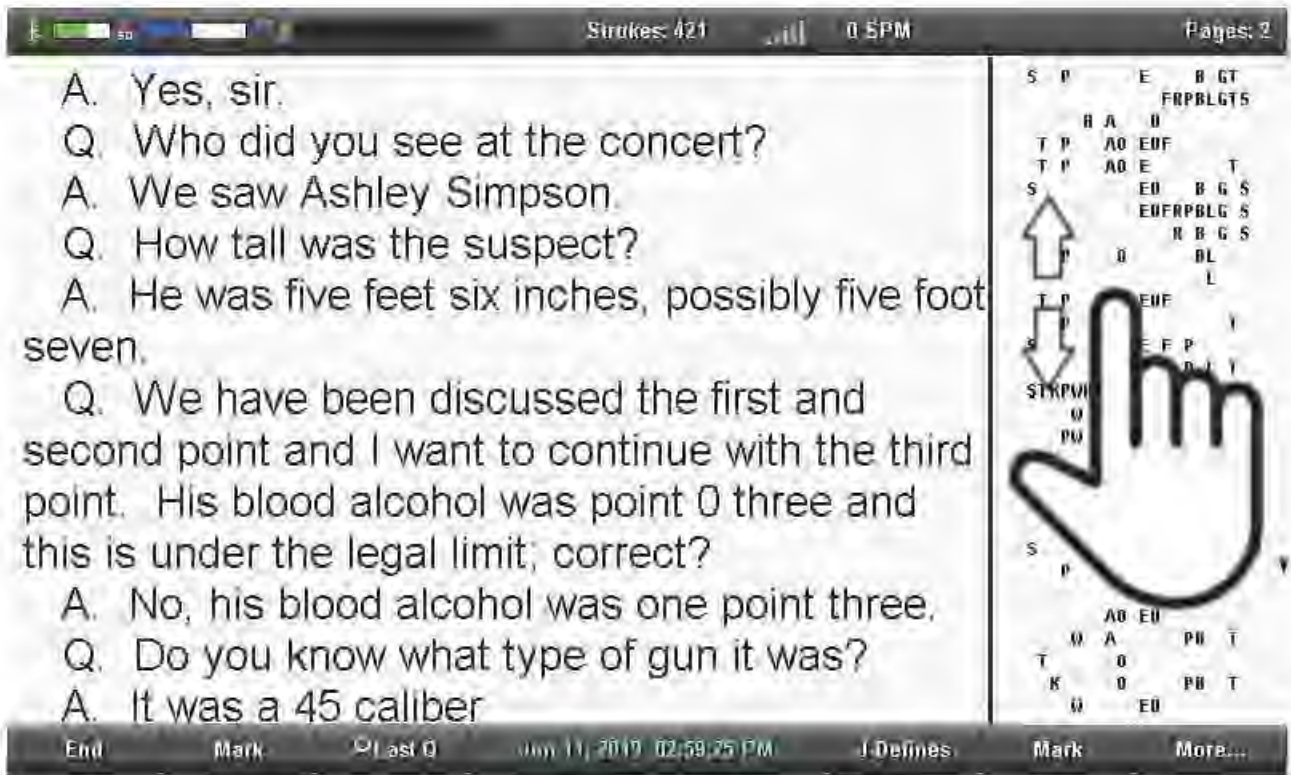
Swipe up in the vertical notes area on the writing screen to scroll the steno notes downward. Swipe down in the vertical notes area on the writing screen to scroll the steno notes upward. The text area of the writing screen may also scroll when needed to keep the steno notes and the associated text translation together on the display. Use a single touch point. For example, your index finger. The speed of the swipe and if your finger (touch point) stays in contact with the screen will affect the speed and amount of scrolling that occurs.

To achieve smaller amounts of scrolling do the following:

- Swipe up or down slowly while keeping your finger (touch point) in contact with the screen for the entire swipe gesture.

To achieve larger amounts of scrolling do the following:

- Swipe up or down quickly and let your finger (touch point) lift up from the screen at the end of the swipe gesture.



## **Serial Protocol**

The Serial Protocol option is a fixed option that displays the Luminex II communication protocol when using the Virtual Serial Port driver provided by Stenograph. In your CAT software, select Stentura as the writer when using the serial protocol with a CAT system not compatible with the Luminex II USB protocol.

## Steno Test

The Steno Test feature puts the Luminex II in writing mode and simulates steno strokes for diagnostic purposes. This feature is generally used at the request of a Stenograph Technical Support Representative to test the Read and Writing features of the Luminex II.

### To activate Steno Test:


1. From the Opening menu, touch **More**, **Diag**, **Steno Test**.
2. Touching a menu action sensor or menu items such as Mark, Last Q or J-Define exits the Steno Test mode but keeps the file open. To close the file, touch **End**.  
If the option, Prompt to confirm ending job is active, a confirmation prompt displays, touch End to close the job or continue writing to cancel the message.

## Status


Status displays information about the Luminex II. The status screen indicates:

- Software version.
- When a job is opened, the name of the job is displayed.
- The approximate number of strokes per minute including the minimum, maximum and average for the job. If you are not displaying the [strokes per minute](#) information, then this information does not display.
- The total number of strokes to date for all jobs taken.
- Keyboard type and Serial Protocol.
- The amount of space left on the [Data SD card](#) and whether or not the card is write enabled.
- When the AC adapter/charger is charging.
- If Bluetooth is turned on, the status indicates target computer numeric ID, computer name and the Passkey, when applicable. If Bluetooth is turned off, status indicates Bluetooth powered off. For more information, please, see the Stenograph Bluetooth Wireless Communication guide on [www.stenograph.com](http://www.stenograph.com) under “Drives and Utilities” for information on Bluetooth wireless communication computer set up, configuration and use.
- Main [Battery](#) status.

### To access the Status screen while writing:

1. At the writing menu, touch **More** and then **Status**. Touching the Battery Gauge icon  will also open the Status Information screen.
2. To return to the writing screen, **continue writing** or touch **OK**.

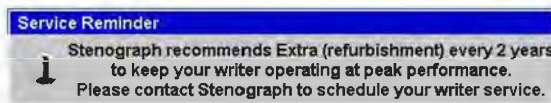
### To access the Status screen when not in a job:

1. At the Opening menu, touch **More** and then **Status**. Touching the Battery Gauge icon  will also open the Status Information screen.
2. To return to the previous menu, touch **OK**.



### Service Reminder

To help you keep your Luminex II operating at its peak performance, a service reminder message will appear two years from the date your Luminex II was manufactured. The reminder will appear when the writer is powered on and will be accompanied by the appearance of a wrench icon on the Title Bar of the Luminex II display. To ensure you continue to have the best possible experience writing on your Luminex II, it is important to have the Extra (refurbishment) service every two years. Here is an example of the reminder message:



Selecting **OK** will stop the reminder from appearing the next time you power on the Luminex II. The Wrench icon will remain. The display of the Wrench icon is a visual reminder that service is suggested for the writer. It has no influence on the normal operation of the writer. Touching the Wrench icon will bring you to the Service Reminder screen. This is equivalent to selecting **More, Status, Service** from the opening screen. The Service Reminder screen has details about the Extra (refurbishment) service offered exclusively by Stenograph.

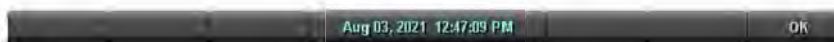


Service Reminder

Stenograph recommends Extra (refurbishment) every 2 years to keep your writer operating at peak performance.  
Please contact Stenograph to schedule your writer service by calling (800) 323-4247.

Extra Includes:  
Replacement of worn parts including camshaft and universal bar padding  
Lubrication, Recalibration, Chemical wash to remove debris  
Readjustment of mechanical and electrical components to factory specs  
Expert service from the same team that built the writer

With Extra, your writer will feel and sound like new again! With the help of Stenograph's expert technicians, your writer will be thoroughly examined, readjusted and cleaned for optimal performance.



The Wrench icon display and next service date will be reset by a Stenograph Service Technician after the Extra (refurbishment) service is performed. Prior to the appearance of the service reminder, you can view when the next recommended service date is by selecting **More, Status, Service**, from the opening screen.

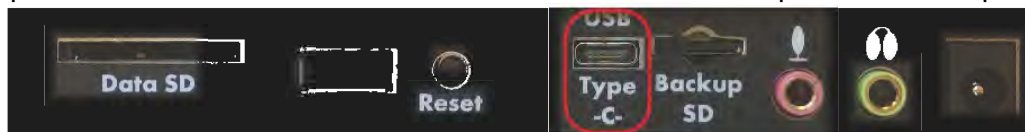
## Suffix Handling

The Suffix Handling feature attaches properly defined suffixes to the previous word. This provides for easier readback on the Luminex II screen when using suffixes.

If you have exported your Case CATalyst Spell Check Wordlist and Prefixsuffixrules.ini file, the suffix handling feature attaches the suffix to the previous word and spell checks it against the wordlist and prefixsuffixrules file. You need Case CATalyst v8.05 or higher to export the wordlist and prefixsuffixrules file. To export the Case CATalyst Spell Check Wordlist and the Prefixsuffixrules.ini files, you must have installed the [Luminex II USB driver](#) on your computer.

### To export the files:

1. Ensure your Luminex II and computer are turned **On** and fully booted.
2. Start Case CATalyst.
3. Connect your Luminex II to your computer via USB Type-C cable. Each end of the USB cable has a different connection plug. Connect the appropriate end of the USB cable to the USB B (client) port on back of the Luminex II and the other end to the USB port on the computer.



*Luminex II Back Port Panel*

4. In Case CATalyst, select **Export**.
5. From the Export dialog box, select the Stenograph Writer tab. If using Case CATalyst 16.03 or lower, select élan/Fusion/Diamante tab. In Case CATalyst V10.04 or earlier, select the élan/Fusion tab.
6. Check the box, **Export Spell Check Wordlist**.

If applicable, check the box Export Prefixsuffixrules.ini File. When the Export to Prefixsuffixrules.ini File option is grayed out, there is no Prefixsuffixrules.ini file in your System Files Case indicating you do not use it. A Prefixsuffixrules.ini file is not necessary to use the Suffix Handling feature.

Case CATalyst remembers the status of these check boxes. Select any dictionaries to export. The Personal Dictionary is automatically selected.

7. Select **Export**. The Luminex II beeps and briefly displays a progress bar.
8. When the Luminex II finishes loading the selected files, it reboots, displaying the Opening menu. Depending on your Case CATalyst settings, the message, Export Complete displays.
9. Remove the USB cable.

## Test Mode

Test Mode is designed for situations where you are taking a test or writing in a secure location that restricts you from leaving the environment with any copy of the proceedings on your Luminex II. In Test Mode, the Luminex II writes only to the Data SD card, regardless of your settings. No files are written to memory or the Backup SD card and all audio recording features are disabled.

### To turn Test Mode On or Off:

1. From the Opening Menu, touch **Setup, More, Test Mode**. The current status of Test Mode displays on the screen.
2. Do **one** of the following:
  - Touch **Off** to disable Test Mode. The Status and Menu bars return to the normal blue display color.
  - Touch **On** to use Test Mode. **The Status and Menu bars display in red.** The Luminex II remains in Test Mode until you turn the feature Off or turn the Luminex II Off.
3. To display the Opening menu, touch **OK, More, Quit**.

## Thumb Drive

If you have a thumb drive plugged into the USB A (host) port on the back of the Luminex II, you can view files on the thumb drive.

You can copy files from the [Data SD card](#) and the [Luminex II memory](#) to a thumb drive.

### To view the contents of a thumb drive:

1. Insert the thumb drive into the USB A (host) port on the back of the Luminex II.
2. From the Opening Menu, touch **Storage, Thumb**.
3. Do **either** of the following:
  - To view information about the Thumb drive, touch **Information**.
  - To view the contents of the Thumb drive, touch **+**.

## Tilting Screen Appearance

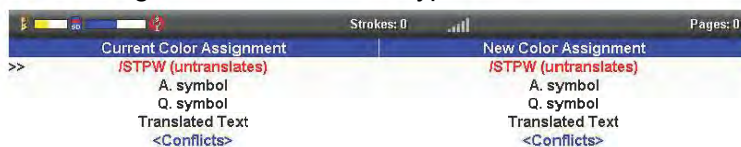
You can adjust the text color, font size and backlight level from the Opening Menu or while writing a job.

### Set Tilting Screen Text Colors

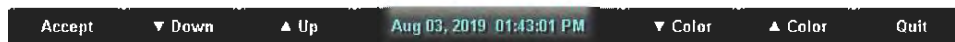
The Luminex II tilting screen can display text in several different colors. You can set separate colors for untranslates, questions symbol, answer symbol, text and conflicts.

#### To change the Tilting screen text colors:

- Do **one** of the following:
  - From the Opening menu, touch **Setup, Display**.
  - From the First Writing menu, touch **More, Setup, Display**.
- From the Display menu, touch **Color**. The Color menu displays sample text showing the current color assignment for each text type.



- Move the pointer (>>) using the **Down/Up** sensors to the item you want to change.



- Cycle through the available colors using the **Color** and **Color** sensors. The item displays in the selected color under the New Color Assignment column. Some colors are less noticeable due to their subtle differences.
- Repeat steps 3 and 4 to change the color for other items.
- When finished selecting colors, touch **Accept**. To exit the Color screen without changing the color, touch **Quit**.
- The Display menu reappears. The color selection remains until you change them.
- Do **one** of the following:
  - When changing colors before beginning a job, return to the Opening Menu by touching **OK, More, Quit**.

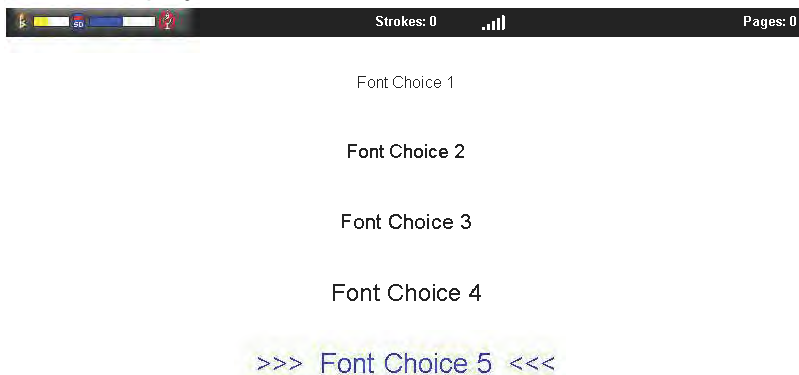
- When changing colors while writing, continue writing. The First Writing menu redisplay.

### Select Tilting Screen Font Size - using menus

The Luminex II can display text in five different font sizes. Using a smaller font allows you to display more text on the Tilting screen and using a larger font allows for easier viewing. The default font size setting is #3.

#### To change the Tilting screen font size:

1. Do **one** of the following:
  - From the Opening menu, touch **Setup, Display**.
  - From the First Writing menu, touch **More, Setup, Display**.
2. On the Display menu, touch **Font**.



3. Move the pointer (>>) using the ▼Font and ▲Font sensors to select one of the font sizes.
4. When finished with your selection, touch **Quit**. The Display menu reappears. The selected font size remains until changed.
5. Do **one** of the following:
  - When changing font size before writing a job, return to the Opening Menu by touching **OK, More, Quit**.
  - When changing font size while writing, **continue writing**. The First Writing menu redisplay.

### Select Tilting Screen Font Size - using touch screen

The pinch zooming gesture can be used to cycle through 5 levels of text or full screen steno font sizes depending on your writing screen view choice. This is equivalent to pressing **More, Setup, Display, Font** from the writing screen and cycling through the five available font size choices.

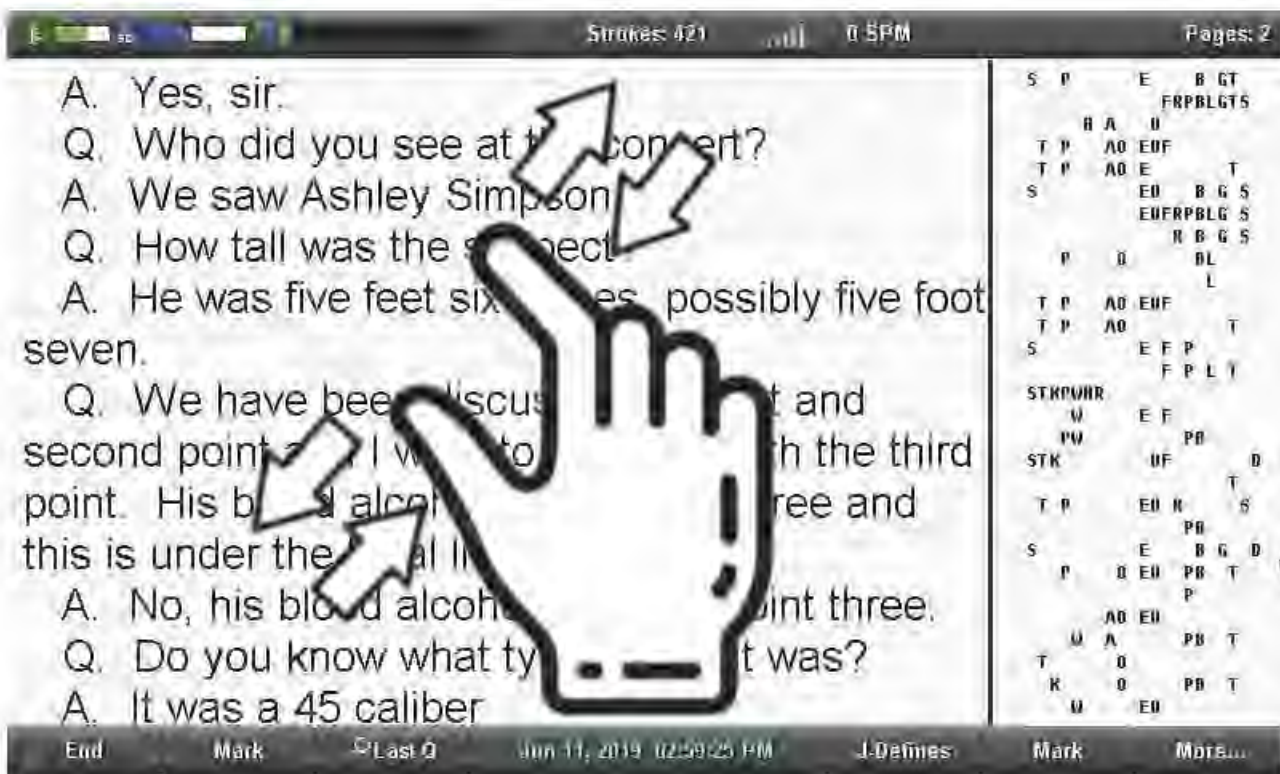
Place two touch points on the touch screen. This is usually done with the index finger and thumb. Increasing and decreasing the font size is accomplished by sliding the touch points farther apart or closer together respectively.

#### Increasing the font size:

While writing a job, place your index finger and thumb (two touch points) on the touch screen. Slide your index finger and thumb away from each other so that the distance between them increases. Keep in contact with the screen as you slide. The font size will cycle through the available larger font sizes as you slide until the maximum size is reached. When the desired font size is achieved, remove your index finger and thumb from the touch screen.

#### Decreasing the font size:

While writing a job, place your index finger and thumb (two touch points) on the touch screen. Slide your index finger and thumb towards each other so that the distance between them decreases. Keep in contact with the screen as you slide. The font size will cycle through the available smaller sizes as you slide until the minimum size is reached. When the desired font size is achieved, remove your index finger and thumb from the touch screen.



#### Set the Tilting Screen Backlight Level

Adjust the brightness of the Backlight on the Tilting screen to accommodate your viewing preference. Decreasing the brightness reduces the amount of the power required to display the screen which can reduce battery consumption. Optionally, setting the Backlight to automatically dim after a period of inactivity also reduces battery consumption. For example, let's say you take a break and you want your Luminex II screen to automatically after 10 seconds of inactivity. Not only does it save battery consumption but it also might reduce the chance that someone looks at your Luminex II screen if that is a concern.

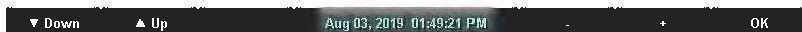
### To customize the Tilting screen Backlight levels:

1. From the Opening menu, press **Setup, Display, Backlight**. If you are in a job, press More, Setup, Display, Backlight.



>> Backlight Bright Level:	16%
Backlight Dim Level:	5%
Auto Dim After:	10 seconds
Auto Bright When:	Press Steno or Function Key
Screen Saver After:	1 minute

Current Display Represents Bright Level Setting.



2. Do **any** of the following:
  - **Backlight Bright Level** - Increase or decrease the Backlight level. The brightness is based on a percentage. 100% is the default. The screen reflects your selection.
  - **Backlight Dim Level** - Set the Backlight dimming level when the Auto Dim After option is active. The brightness level is based on a percentage. The screen reflects your selection.
  - **Auto Dim After** - Select the period of inactivity that must pass on the Luminex II before Backlight dimming occurs. Choose a number between 1-90 seconds or Never.
  - **Auto Bright When** - select the action that must be taken to resume regular Backlight brightness after dimming. Choose **Steno** or **Function Key**.  
 If Steno is selected, then at the first writing of a steno outline your Luminex II screen will return to the brightness setting.  
 If Function Key is selected, then at the first touching of one of the touch sensors your Luminex II screen will return to the brightness setting.
  - **Screen Saver After** - choose from 1 minute through 15 minutes of idle time before the screen saver appears.
3. Touch the **Down/Up** sensors to highlight an option. Use the **-** and **+** sensors to make changes.
4. When finished with your selections, touch **OK**. The Display menu reappears.
5. Do **one** of the following:
  - With no open job, return to the Opening Menu by touching **OK, More, Quit**.
  - During a job, **continue writing**. The First Writing menu redisplay.



## Time and Date

The Time function allows you to change the time and date on your Luminex II. It is important to maintain date and time accuracy in the event you need to locate a file in memory, on the Data SD card or on the Backup SD card.

1. From the Opening menu, touch **Setup, Time**. The Time and Date screen displays.

Aug 03, 2019 01:50:00 PM  
^





2. Touch the **Next** sensor to select the unit of time or date you want to change.
  - Month
  - Day
  - Year
  - Hour
  - Minutes
  - AM/PM
3. Do **one** of the following:
  - To decrease the unit of time or date, touch **-**.
  - To increase the unit of time or date, touch **+**.
4. Repeat the previous steps for each unit of time or date you want to change.
5. Be sure to touch **Accept** to save your changes.
6. To display the Opening menu, touch **Quit, More, Quit**.

## Translate Options

The Luminex II has three translate options: [A/An Resolution](#), [Auto-Conflict Resolution](#) and Use [Brief It](#). When selecting Yes for Brief It, there are two additional options available.. More information is available by clicking the associated link.

### To access Translate Options:

1. From the Opening Menu, touch **Setup, Trans. Opt.**
2. Use the  Down/ Up touch sensor to move the option you want to change.
3. When finished, to save your settings and exit, touch **OK**. To return to the Opening menu, touch **More, Quit**.

Chapter 4, *Troubleshooting*, suggests possible solutions to some common situations encountered when using the Luminex II. Most users can remedy the following situations themselves. For more troubleshooting information, check Stenograph's website, [www.stenograph.com](http://www.stenograph.com). If a problem persists, call Stenograph Technical Support at 1.800.323.4247 or 1.630.532.5100.

### **Troubleshooting Tips:**

The following troubleshooting tips can assist you in quickly solving some common errors you may encounter. Additional Help topics are available at [www.stenograph.com](http://www.stenograph.com). Click **Support, Solution Center**.

#### ***Audio - Does Not Resume After Pause***

If you wrote a steno outline to pause the audio, you must stroke a steno outline to resume audio, regardless of the setting for the Auto Pause Resume option. For example, Case CATalyst has Pause Audio and Resume Audio commands. If you wrote a Pause Audio command, you must right a Resume Audio command to start recording audio again.

#### ***Audio - Feedback or "Squealing"***

If audio feedback or "squealing" noises occur, check the following:

- Set the Microphone Gain lower. Check your [Audio](#) Options for more information.
- The microphone may be located too close to the speakers or headphones. Move the microphone further from the speakers or headphones.
- The playback volume setting may be set too high. Try a lower playback setting.

#### ***Audio - Writing Noise Audible in Recording***

If you can hear the sound of your writing in the audio recording, you may need to do the following:

- Position the microphone farther away from the Luminex II.
- If connecting a microphone, such as the one sold by Stenograph, directly to the back of the writer without an extension cord, try connecting an extension cord and moving the microphone away from the Luminex II.

#### ***Backup/Data SD Card - Write Protected***

SD cards have a write protect slide on the side card. If the slide is moved to the *Locked* position, no data can be written to the card. When a *Locked* Data SD card is inserted into the Luminex II, a message displays indicating the card is write protected. No writing can occur until you unlock the Backup SD card.

To enable writing on an SD card:

1. Remove the appropriate SD card from the Luminex II. The Backup SD card is recessed and is a micro SD card.
2. Hold the SD card with the notched side up.
3. Move the write protect slide to the **Up** position.
4. Reinsert the SD card into the Luminex II.

### **Backup SD Card - Error Message**

The error message, *No Files were found in x:\???Backup.BIN*, displays when attempting to retrieve a file from the Backup SD card using the BackupCard Utility. The x in the above message represents the actual drive letter assigned to the SD card reader.

- It is necessary to read the Backup SD card using the USB SD Flash Drive reader that came with your Luminex II or another reliable USB based external SD card reader. A built-in SD card slot reader on your computer cannot read the Backup SD card.
- Windows require the [BackupCard Utility](#) to run as Administrator.

### **Backup SD Card - No Files**

To be able to read Luminex II files on the Backup SD card, you must be using Case CATalyst version 10.06 or higher; and use the [BackupCard Utility](#).

### **Data SD Card - No Files**

To be able to read Luminex II files on the Data SD card, you must be using Case CATalyst version 7.02 or higher. If you are not using Case CATalyst version 7.02 or higher, or are using another CAT system, use the [DateTimeToStentura](#) utility program.

### **Dictionary - Encountered Problem Reading Dictionary**

The message, "Encountered problems reading dictionary(s) Please retry exporting/loading dictionary(s)." displays when the Luminex II cannot validate a dictionary being loaded. It also displays when a valid dictionary is not found on the Luminex II. If you experience this message while loading dictionaries:

- Review the dictionaries selected for export from Case CATalyst, if applicable, and try reloading the dictionaries into the Luminex II.
- Review the dictionary on your CAT system and then export it to RTF/CRE. Use the Rtf2Writer Dictionary Conversion utility to load the dictionary onto the Luminex II.

If this message displays when you are not loading dictionaries:

- Verify that dictionaries are currently loaded on your Luminex II.
- Reload the necessary dictionaries.

**Reset - Luminex II Appears Unresponsive**

If the Luminex II appears to be unresponsive, press the **Reset** button on the back of the Luminex II. If you have an open file at the time you press the Reset button, the current file closes. The Luminex II reboots and a recovery complete message displays. Press **OK** and continue writing. The previously opened file displays.

**Thumb drive message**

If you have inserted a thumb drive into the USB A (Host) port, the following message displays if the thumb drive requires an excessive amount of current:  
*USB device requires excessive current. Please try a different USB device.*

Remove the USB thumb drive and try a different one.

**No Storage Device Plugged In**

If you select to copy files from the SD Data Card or from Memory to a thumb drive, the No Storage Device Plugged In message may display due to the following reasons:

- A thumb drive is not plugged into the USB A (Host) port. Plug a thumb drive into the port and try again.
- A thumb drive that requires an excessive amount of current is plugged into the USB A (Host) port. Remove the USB thumb drive and try a different one.

**TrueView Error Messages**

TrueView troubleshooting solutions are located in the *Luminex II Utilities* appendix.

**USB - Cannot Update Software**

- USB:unable to update A file cannot be opened while updating software. Close the open file on the Luminex II.

To load a Luminex II software update, you must first install the [Luminex II USB driver](#) on your computer. The Luminex II USB device drivers are available for download from the Stenograph website at [www.stenograph.com](http://www.stenograph.com). At the Stenograph website: click Support, Download Center and Utilities & links. Right click the on the Stenograph Writer USB Drivers and select *Save Target As* or *Save Links As* and save the file to a location on computer desktop or your hard drive.

**USB - Realtime Connection Appears Unresponsive**

If you leave the USB realtime connection active when you take a break, the realtime screen on the CAT system may not display the new steno strokes when you resume writing. This is a function of the computer USB port power management settings when it remains idle for a period of time.

Power management settings determine if the USB ports turn off when not in use for a specified amount of time. When using the virtual serial port communications via the USB Type-C cable, it is

important to check the power management settings for your computer USB Root Hubs to ensure the USB port does not turn off when idle.

**Regardless of the power management settings, virtual serial port communications via the USB Type-C cable does not allow you to disconnect and reconnect the USB cable and maintain the realtime connection.** For example, you disconnect from the virtual serial port connection to report a bench conference and then reconnect when finished.

To modify the USB power management settings, complete the following instructions appropriate for your operating system. For additional information, check Stenograph's Solution Center or consult your Windows documentation about Device Manager.

### Windows 7

- Click the Start menu on your computer and in the *Search programs and files* text field, type: **power settings**.
- A list displays. Under the *Control Panel* section, click **Change battery settings**.
- Power Options for your computer display in a dialog box.
- On your currently selected power plan, click **Change plan settings**.
- The Edit power settings dialog box displays. Click **Change advanced power settings**.
- The Power Options Advanced tab displays. Click the plus sign, **+**, next to *USB settings*.
- Click the plus sign, **+**, next to *USB selective suspend settings*.

Do the following:

- Click **On Battery** and from the drop down list select, **Disable**.
- Click **Plugged In** and from the drop down list select **Disable**.

Click **Apply** to save the changes.

Click **OK** and then close the Edit power settings dialog box.

### Windows 10

- Click the **Windows** icon in the lower left-hand corner of your computer.
- Click the **Settings** icon.
- Click **System**.
- Select **Power & sleep**.

- On the right side click the **Additional power settings** link to open power options Power Options for your computer display in a dialog box.
  - On your currently selected power plan, click **Change plan settings**.
  - The Edit plan settings dialog box displays. Click **Change advanced power settings**.
  - The Power Options Advanced tab displays. Click the plus sign, **+**, next to USB settings.
  - Click the plus sign, **+**, On the right side Click the **Additional power settings** link to open power options
- Power Options for your computer display in a dialog box. · On your currently selected power plan, click Change plan settings. · The Edit plan settings dialog box displays. Click Change advanced power settings. · The Power Options Advanced tab displays. Click the plus sign, **+**, next to USB settings. · Click the plus sign, **+**, next to USB selective suspend settings.
- Do the following:
  - · Click On Battery and from the drop down list select, Disable.
  - · Click Plugged In and from the drop down list select Disable.
  - · Click Apply to save the changes.
  - · Click OK and then close the Edit power settings dialog box.
  - next to USB selective suspend settings.
  - Do the following:
    - Click On Battery and from the drop down list select, **Disable**.
    - Click Plugged In and from the drop down list select, **Disable**.
    - Click **Apply** to save the changes.
- Click **OK** and then close the Edit power settings dialog box.

#### **Utility - Run Backup Card Utility as Administrator**

To run the BackupCard Utility as an Administrator on Windows 7 and Windows 10, change the Compatibility properties for the program:

Right click the **BackupCard.exe** shortcut and select **Properties** in the drop down menu. The BackupCard.exe Properties dialog box displays.

Select the **Compatibility** tab.

Under Privilege Level, check the option, *Run this program as an administrator*.

Click **OK** to apply the change close the BackupCard.exe Properties dialog box.



## Luminex II Technical Support

If you encounter a problem you cannot solve, a Luminex II Support Specialist is available to assist you

**1.800.323.4247 or 1.630.532.5100, touch 2, then 1.**

**8:00 a.m. to 6:00 p.m. (CT) Monday through Friday,**

**Excluding Stenograph Holidays**

To assist the Specialist, have the Luminex II with you, know your customer number and know your Luminex II serial number. The serial number is located on the bottom of the writing machine. Be prepared to describe your question or problem in detail.

### ***Wireless Communication***

Stenograph provides Luminex II wireless support for the Luminex II Bluetooth Wireless Communication when Stenograph Bluetooth desktop application is used.

### ***Accessories***

Accessory items for your Luminex II are available from the Stenograph website. Visit [www.stenograph.com](http://www.stenograph.com).

Appendix A, *Updating Luminex II Software*, explains how to update your Luminex II. You must have an active Internet connection.

Once you download the software update onto your computer, you update the Luminex II via the USB Type-C cable. You must have the [Luminex II USB driver](#) installed on your computer to load the update. The Luminex II USB device drivers are available for download from the Stenograph website at [www.stenograph.com](http://www.stenograph.com). At the Stenograph website: click Downloads, Utilities & Drivers.

**To update Luminex II software:**

1. Download the update to your computer. Connect to the Stenograph web site, [www.stenograph.com](http://www.stenograph.com), and navigate to Downloads, Writer.
2. Find the Luminex Downloads section of the page.
3. Right click on the selected update file to download and choose **Save Target As** or **Save Link As**, depending on your browser. The Save As dialog box displays.
4. The File name field displays the name of the selected file to download. Do not alter this name.
5. Select a location on your computer where you want to place the download file and select **Save**. Stenograph recommends saving the file to your Desktop.
6. The File Download dialog box displays until the download completes copying files to your computer.
7. When the download is complete, the file displays on your Desktop, if the Desktop was selected for the download location.
8. To load the update onto your Luminex II, ensure your Luminex II and computer are turned **On**.
9. Each end of the USB cable has a different connection plug. Connect the USB Type-C end of the USB cable to the USB Type-C port on the back of the Luminex II and the other end to a USB port on the computer.
10. Navigate to the location on your computer where you downloaded the Luminex II update file. An active Internet connection is necessary to complete the update. Double click the Luminex II update file. The Luminex II Update dialog box displays.
11. Make sure your Luminex II is at the Opening menu. Do not open a file.
12. Click **Go!**. The Luminex II screen displays a Programming Application Code message indicating the updated software build is being sent to the Luminex II. The Luminex II plays a short tone twice and resets.

If the Luminex II date and time do not match your computer's date and time, the following message displays:

*Your Steno Machine's date/time doesn't match your PC's date/time.  
Do you want it to match the PC date/time?*

- Click **Yes** to change the date/time on your Luminex II to match your PC's date and time. It is important to have your Luminex II date and time set properly in the event you need to locate a file in memory or on a SD card.
- Click **No** to leave your Luminex II's date/time as is.

13. When the update is complete, the Luminex II reboots and displays the Opening menu. Your computer displays the message: *Successfully Updated the Luminex II. Click OK to Exit.*

14. Click **OK** and in the Luminex II Update dialog box on your computer, click **Quit**. You can delete the update file.

Appendix B, *Luminex II Utilities*, provides instruction on how to:

- install the writer drivers on your computer. Writer drivers are also available from [stenograph.com/utilitycd](http://stenograph.com/utilitycd).
- personalize the splash screen with a photograph.
- convert Stenograph writer files from the Luminex II's Date and Time naming convention format to Stentura compatible format (File.00X).
- convert Rich Text Format/Court Reporting Extensions (RTF/CRE) dictionaries into Luminex II format.
- use the Backup Card Reader to retrieve a file from the Backup SD card.
- use the WriterManager utility to Backup and Restore settings and copy Log files to a computer.
- use TrueView to view TrueStroke data generated by the Luminex II.

You can easily download the Luminex II utilities to personalize your Luminex II, convert writer files and access the Luminex II User Guide by going to [stenograph.com/utilitycd](http://stenograph.com/utilitycd). Depending on your browser, the files may automatically begin to download. At the *Do you want to run or save writerutilitysetup.exe...* prompt, select to do **one** of the following:



- To run the Writer Utility Setup, select Run. The Stenograph Utility Setup screen displays.
- To Save the setup file to your hard disk, select Save. Once the writer utility setup.exe is downloaded, do one of the following to install the setup.



## Windows

When copying or running a Luminex II Utility, the User Account Control message box may display. The User Account Control (UAC) is a security feature prompting you for permission to run the displayed program name or service being accessed. To use the Luminex II utilities, you must choose Continue in the UAC message box. The User Account Control is an important feature of Windows. Stenograph **does not** recommend disabling it.

## Stenograph Writer Utility Program

Once you download and install the Stenograph Writer Utility setup and run it, the following screen displays:



**Do any of the following:**

**Install USB Drivers** - click the Install USB Drivers button to automatically install the Luminex II USB drivers on your computer. The Luminex II USB drivers must be installed on your computer to allow for USB communications.

**Writer Utilities, Splash Photos and more** - the following writer utilities are available:

- **SplashLoader** - The Splash Screen Loader Utility allows you to personalize the Luminex II startup screen with a photograph of your choice. The photograph displays briefly when turning your Luminex II On. The photograph you load can be located on the computer hard drive or removable media. It must be in JPEG (.JPG) format. There are also stock photographs available in the Splash Photos folder. Please see the SplashLoader.pdf file, located in the same folder, for step-by-step instructions. You must have the Luminex II USB driver installed on your computer to use the USB cable.
- **BackupCard Reader** - The Backup Card Reader utility allows you to retrieve files in the rare occurrence that you cannot locate a job in the Luminex II Backup SD card or Data SD card. The Backup SD card is not designed to be removed from the Luminex II unless you experience this a rare occurrence. If you remove the Backup SD card, remember it must be in the Luminex II in order for the steno machine to operate. Please see the BackupCard Reader.pdf file, located in the same folder, for step-by-step instructions.  
It is necessary to run the BackupCard Utility as Administrator. See the [Troubleshooting](#) tips in Chapter 4.
- **DateTimeToStentura** - The DateTimeToStentura Utility program converts Luminex II Date/Time formatted steno files (20190803-084528) to Stentura compatible file format

(File.00X); and optionally copies the associated audio, when audio is available. This utility is only required for CAT software that is not compatible with Luminex II Date/Time format or if using Case CATalyst lower than V7.02 that require conversion to the Stentura compatible file format in order to read the files. All popular CAT systems read Stentura compatible formatted steno files. Please see the DateTimeToStentura.pdf file, located in the same folder, for step-by-step instructions.

- **RTF2Writer** - If you are not using Case CATalyst and want to load your dictionary onto the Luminex II, it is necessary to use the RTF/CRE to Writer Dictionary Conversion program. Please see your CAT software documentation for creating RTF/CRE dictionaries. *If you are using Case CATalyst with your Luminex II, in Case CATalyst select Export and then the Stenograph Writer tab.*

When using the RTF2Writer Dictionary Conversion program, only one personal dictionary can be selected and loaded onto the Luminex II. You can load up to seven job dictionaries. The RTF/CRE to Writer Dictionary Conversion program for the Luminex II is only available via USB cable. You must have the Luminex II USB driver installed on your computer to use the USB cable. Please see the RTF2Writer.pdf file, located in the same folder, for step-by-step instructions.

- **WriterManager** is a Luminex II utility program that allows you to backup and restore your writer settings, and create an archive of the steno files in RAM memory. Having a backup of your writer settings (audio settings, keyboard profile settings, display settings, etc..) is very useful in the event you send your Luminex II back to Stenograph for maintenance. The WriterManager allows you to quickly restore your settings to a loaner writer.

WriterManager also gives you the ability to quickly create backup of any Log files created by the Luminex II. In the rare event you receive an error or have need to contact Technical Support for assistance with your Luminex II, Technical Support may ask you to create a backup of the Log files created by the Luminex II.

- **TrueView®** is a Luminex II utility program that allows you to analyze your steno strokes by viewing the TrueStroke data (Steno X-ray2) generated by the Luminex II. TrueStroke data is gathered while writing on the Luminex II and while writing realtime via the USB cable or a WiFi connection. Note: Case CATalyst V13 or higher is required for a WiFi connection. TrueStroke Data contains information about timing, the direction of travel and the velocity for each steno key in each steno outline. This allows you to examine a steno outline to determine the cause for a stroke to register as it did, providing instant feedback on your writing style. For example, you may want to examine split, stacked, dragged or dropped strokes.

In Case CATalyst version 10.07 or higher, TrueStroke data is automatically stored in the job subfile, Steno X-ray2. To view, open a transcript file, open Vertical Notes and then double click a steno stroke.

The TrueView Utility permits viewing of the Luminex II TrueStroke data when you are not using Case CATalyst or are using another CAT system. You can:

- Write realtime directly to TrueView via a USB connection to your Luminex II.
- Read files via a USB connection from your Luminex II's Data SD card.
- Open an existing Luminex II file that has been read to your computer or translated.

Welcome to the Luminex II writing machine! Appendix C is for those already familiar with the settings and operation of the Luminex writing machine. Appendix C will focus on the features and settings of the Luminex II. If you are transitioning from the Luminex writing machine to the Luminex II, you may find this section is all you need to begin using the Luminex II.



## Luminex II New Features and Improvements

The Luminex II carries on the quality design and engineering of the Luminex. The following is a list of the software and hardware improvements of the Luminex II:

- Full Glass Capacitive Touch Screen
- Additional Touch Screen Capabilities
  - ❖ Touch Sensitive Title Bar Icons
  - ❖ Touch Screen Scrolling of Text and Steno Notes
  - ❖ Touch Screen Text Font Size Selection
- Improved Audio with Opus Codec
- Hide Audio Meter Option
- Screen Saver Picture
- Numbered Keyboard Tension and Depth of Stroke Thumbwheels
- Improved Tension Toggle
- USB Type-C Connectivity

## Touch Screen Functionality

The Luminex II features a touch sensitive screen. You may use the touch features to:

- ❖ Navigate to the most common options menus by touching the corresponding feature icons.
- ❖ Scroll the text and steno up and down while writing.
- ❖ Pinch to increase and decrease the text and full screen steno font size display of the writing screen.

➤ Note: When the Luminex II is powered on, it will detect when the touch screen is folded down and covering the keys. For example, you may decide to leave the writer on, but fold the screen down when transporting the writer to a sidebar or another deposition room. When you lift touch screen you may briefly see the message "LCD Detected Down" displayed on the screen. This is normal and should disappear in a few seconds. The appearance of the message does not interfere with your ability to begin writing.

### Touch Sensitive Title Bar Icons



The Luminex II Title Bar is touch sensitive. This gives you access to common information and settings screens without needing to navigate through the writer menus.



Touching the Battery Gauge icon opens the Status Information screen. This is equivalent to pressing **More...**, **Status** from the opening screen.



Touching the SD Card Status icon opens the Files screen and shows you a listing of the Jobs stored on the SD Card. This is equivalent to pressing **Storage**, **SD Card**, **Files...** from the opening screen. If a job is open, touching the SD Card icon will display the message "Data SD Card screen unavailable during a job." The Files screen cannot be accessed while writing a job.



Touching the Microphone icon opens the Audio menu for adjusting your recording and playback settings. This is equivalent to pressing **Setup**, **Audio** from the opening screen.



Touching the Wireless icon opens the Wireless screen. This is equivalent to pressing **Setup**, **Wireless** from the opening screen.

- If Bluetooth is enabled, the Bluetooth Information screen will open automatically.
- If WiFi is powered on, the WiFi Information screen will open automatically.
- If Bluetooth is off and WiFi is powered off, the Wireless screen will display the message "*Please select either Bluetooth or WiFi.*"

### Touch Screen Gestures

A swiping gesture can be used on the touch screen to scroll the display of text and steno notes. A pinching gesture can be used to cycle through 5 font sizes for the display of text or full screen steno notes, depending on your chosen writing screen view.

### Scrolling Text

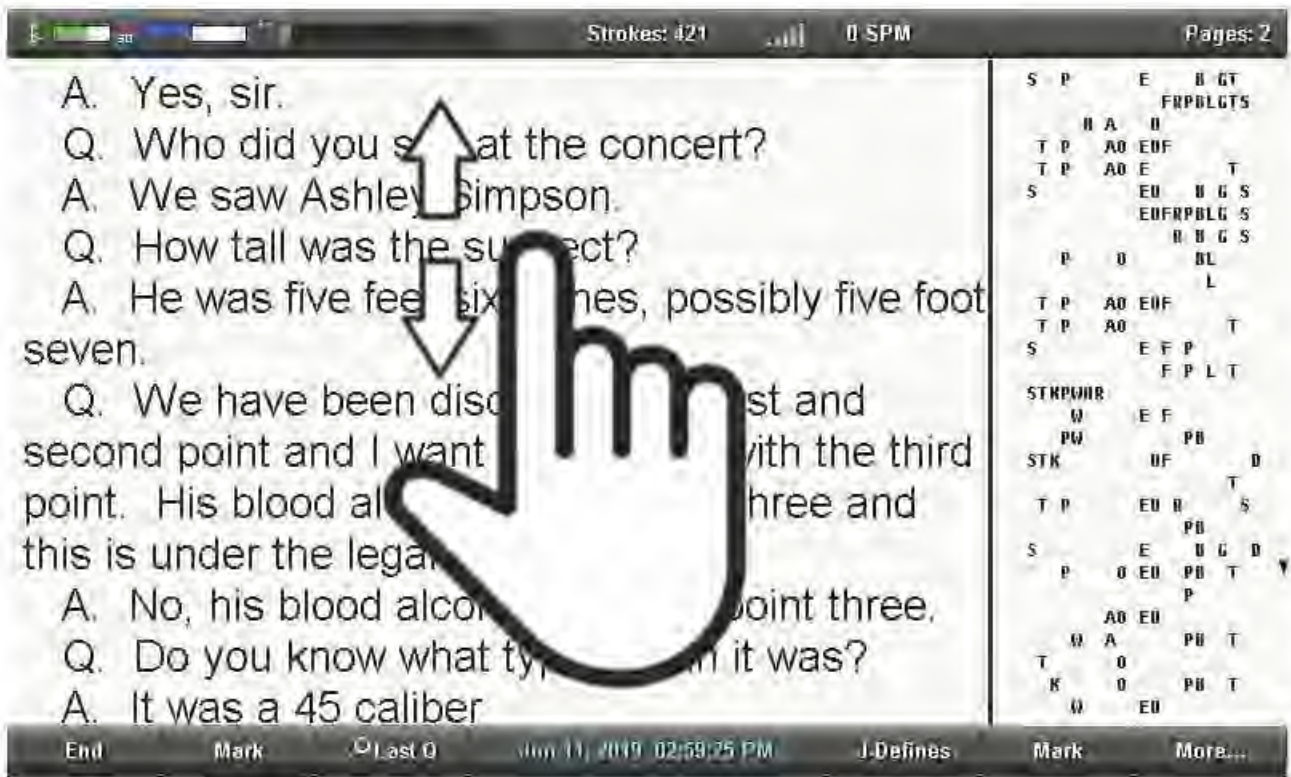
Swipe up in the text area on the writing screen to scroll the text downward. Swipe down in the text area on the writing screen to scroll the text upward. Depending on your selected view, the vertical notes area of the writing screen may also scroll to keep the steno notes and the associated text translation together on the display. Use a single touch point. For example, use your index finger. The speed of the swipe and if your finger (touch point) stays in contact with the screen will determine the speed and amount of scrolling that occurs.

To achieve smaller amounts of scrolling do the following:

- Swipe up or down slowly while keeping your finger (touch point) in contact with the screen for the entire swipe gesture.

To achieve larger amounts of scrolling do the following:

- Swipe up or down quickly and let your finger (touch point) lift up from the screen at the end of the swipe gesture.



### Scrolling Vertical Notes

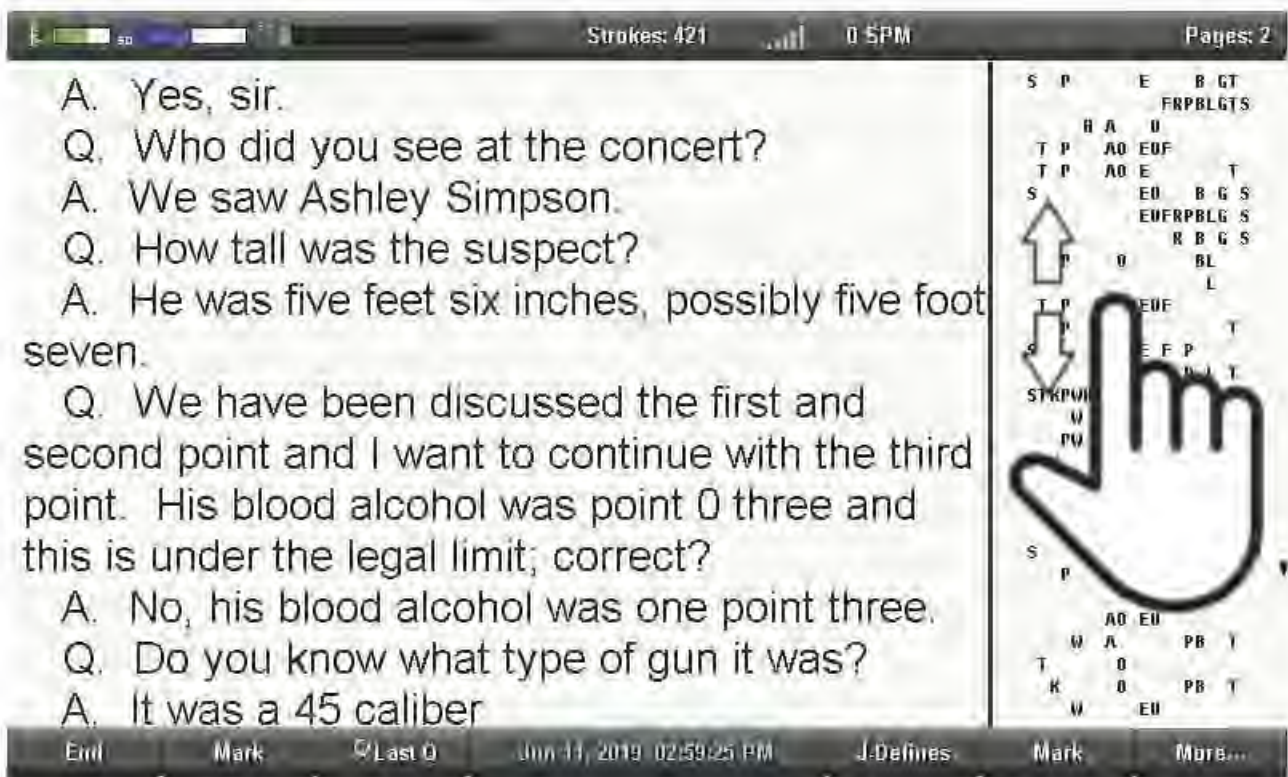
Swipe up in the vertical notes area on the writing screen to scroll the steno notes downward. Swipe down in the vertical notes area on the writing screen to scroll the steno notes upward. The text area of the writing screen may also scroll when needed to keep the steno notes and the associated text translation together on the display. Use a single touch point. For example, your index finger. The speed of the swipe and if your finger (touch point) stays in contact with the screen will affect the speed and amount of scrolling that occurs.

To achieve smaller amounts of scrolling do the following:

- Swipe up or down slowly while keeping your finger (touch point) in contact with the screen for the entire swipe gesture.

To achieve larger amounts of scrolling do the following:

- Swipe up or down quickly and let your finger (touch point) lift up from the screen at the end of the swipe gesture.



### Pinch Zoom

The pinch zooming gesture can be used to cycle through 5 levels of text or full screen steno font sizes depending on your writing screen view choice. This is equivalent to pressing **More, Setup, Display, Font** from the writing screen and cycling through the five available font size choices.

Place two touch points on the touch screen. This is usually done with the index finger and thumb. Increasing and decreasing the font size is accomplished by sliding the touch points farther apart or closer together respectively.

#### Increasing the font size:

Place your index finger and thumb (two touch points) on the touch screen. Slide your index finger and thumb away from each other so that the distance between them increases. Keep in contact with the screen as you slide. The font size will cycle through the available larger font sizes as you slide until the maximum size is reached. When the desired font size is achieved, remove your index finger and thumb from the touch screen.

#### Decreasing the font size:

Place your index finger and thumb (two touch points) on the touch screen. Slide your index finger and thumb towards each other so that the distance between them decreases. Keep in contact with the screen as you slide. The font size will cycle through the available smaller sizes as you slide until the minimum size is reached. When the desired font size is achieved, remove your index finger and thumb from the touch screen.

Strokes: 421 0 5PM Pages: 2

A. Yes, sir.  
 Q. Who did you see at the concert?  
 A. We saw Ashley Simpson.  
 Q. How tall was the suspect?  
 A. He was five feet six inches, possibly five foot seven.  
 Q. We have been discussing the first and second point and I want to point to the third point. His blood alcohol level was three and this is under the legal limit.  
 A. No, his blood alcohol level was point three.  
 Q. Do you know what type of gun it was?  
 A. It was a 45 caliber.

S P E B GT  
 FRPBLGTS  
 R A O  
 T P AO EUF  
 T P AO E T  
 S E B G S  
 EMFRPBLG S  
 R B G S  
 P O BL  
 L  
 T P AO EUF  
 T P AO T  
 S E F P  
 F P L T  
 STK PWR  
 U E F  
 PV PB  
 STK OF D  
 T P ED R S  
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End Mark Last Q Jun 11, 2019 02:59:25 PM J.Delfines Mark More...

## Opus (14.7 MB/Hour) Audio Codec

The Luminex II offers the Opus (14.7 MB/Hour) audio codec option for audio recording and playback. The Opus (14.7 MB/Hour) code greatly improves audio fidelity compared to the GSM and ADPCM audio codec options.

### Selecting the Opus (14.7 MB/Hour) Codec

Change the Audio Format option in the Audio menu to begin using the Opus (14.7 MB/Hour) codec for audio recording and playback. The Audio Format option must be set before starting a job. The Opus file format (\*.opus) is saved to the Data SD card. Opus format is not saved to the Backup SD card. A GSM Wav format file (\*.wav) will be saved to the Backup SD card. Do the following to use the Opus (14.7 MB/Hour) audio codec:

1. From the opening screen, touch the  title bar icon or select **Setup, Audio**.
2. Select **Down** to move the pointer (>>) to the Audio Format option.
3. Select **Change** until Opus (14.7 MB/Hour) displays.
4. Select **OK**.

➤ Note: You will not be able to Reopen a file that has audio recorded using a different audio codec than what is set as the Audio Format. For example, if you change the Audio Format to Opus (14.7MB/Hour) and then try to reopen a file that used the Wav GSM (5.8 MB/Hour) audio codec, the following message will display.



### Using Opus (14.7 MB/Hour) Codec with Case CATalyst

If you read in your steno note file and audio file into Case CATalyst, the Opus (14.7 MB/Hour) Codec audio file is compatible with Case CATalyst Version 20.07 or higher. Follow your normal procedure for Read Notes in Case CATalyst.

## Screen Saver Picture

The Luminex II can display your Splash Screen image (the image that appears when you power on the Luminex II) as a screen saver when the writer is idle. You can choose between 1 - 15 minutes of idle time before the screen saver appears.

To change the Luminex II screen saver setting, do the following:


1. From the opening screen, select **Setup, Display, Backlight**.
2. Select **Down** to move the pointer (>>) to the Screen Saver After option.
3. Use the +/- selections to choose from 1 minute through 15 minutes of idle time before the screen saver appears.
4. Select **OK**.


The Screen Saver After option is independent of the other backlight options. For example, if you have the Screen Saver After option set to 1 minute and your Audio Dim After option set to 30 seconds, the screen will dim to the Backlight Dim Level percentage setting after 30 seconds of idle time and 30 seconds later the screen saver splash screen image will appear.




- Note: the Luminex II/Diamante/Wave Splash Screen Loader Utility can be used to customize the Splash Screen image of your Luminex II. The utility is available at [www.stenograph.com/utilities-links-downloads](http://www.stenograph.com/utilities-links-downloads).



## Hide Audio Meter Option

The Luminex II has the option to hide the Audio Meter title bar icon . The Audio Meter shows you the current volume level of the audio as it's picked up by the microphone during recording. Hiding the Audio Meter can be useful when you do not want others to easily see on the Luminex II display that audio is being recorded.

1. From the opening screen, touch the  title bar icon or select **Setup, Audio**.
2. Select **Down** to move the pointer (>>) to the Hide Audio Meter option.
3. Select **Yes/No** to set the Hide Audio Meter option to Yes.

➤ Note: The recording on , recording paused , and recording off  title bar icons will continue to display when the Hide Audio Meter option is set to Yes.

## Numbered Keyboard Tension and Depth of Stroke Thumbwheels

The outside edge of the Keyboard Tension and Depth of Stroke thumbwheels have numbers to give you a visible representation of the current thumbwheel setting. This provides a point of reference to help you quickly adjust the Keyboard Tension and Depth of Stroke thumbwheels to your preferred settings if they get changed. You may also find that you like one Keyboard Tension and/or Depth of Stroke setting at the beginning of a writing session and different settings as the writing session progresses. The thumbwheel numbers allow you to quickly dial in those different settings throughout the day.



### Using the Depth of Stroke Thumbwheel

The Depth of Stroke Thumbwheel (on the left when facing the front of the Luminex II) has up to 11 possible positions. Position 1 is the shallowest stroke position (smallest amount of key movement). Position 11 is the deepest stroke position (largest amount of key movement).

#### How to Make the Depth of Stroke Deeper:

Rotate the Depth of Stroke Thumbwheel towards the back of the Luminex II. The current setting is the number in the middle of the thumbwheel and lines up with the small notch on the Luminex II shell.

#### How to Make the Depth of Stroke Shallower:

Rotate the Depth of Stroke Thumbwheel towards the front of the Luminex II. The current setting is the number in the middle of the thumbwheel and lines up with the small notch on the Luminex II shell.

### Using the Keyboard Tension Thumbwheel

The Keyboard Tension Thumbwheel (on the right when facing the front of the Luminex II) has up to 14 possible positions. Position 1 is the lowest tension setting (requires less force to move a key). Position 14 is the highest tension setting (requires more force to move a key).

**How to Increase the Keyboard Tension:**

Rotate the Keyboard Tension Thumbwheel towards the back of the Luminex II. The current setting is the number in the middle of the thumbwheel and lines up with the small notch on the Luminex II shell.

**How to Decrease the Keyboard Tension:**

Rotate the Keyboard Tension Thumbwheel towards the front of the Luminex II. The current setting is the number in the middle of the thumbwheel and lines up with the small notch on the Luminex II shell.

- Note: If the [Tension Toggle](#) is engaged, the Tension Toggle Thumbwheel setting has no influence on the keyboard tension. The Luminex II always has the lowest possible tension setting when the Tension Toggle is engaged.

## Tension Toggle Improvements

The Tension Toggle is located underneath the Lumindex II keyboard. When the Tension Toggle is engaged the Universal Bar is locked out and no longer provides any resistance to the downward motion of the keys. Likewise, when the Tension Toggle is engaged, the Keyboard Tension Thumbwheel setting has no impact on the downward force required to depress a key.

The Tension Toggle was an optional feature with the Lumindex. It is included with the Lumindex II by default. The Tension Toggle can be engaged and disengaged at will. In addition, the Tension Toggle design has been improved for the Lumindex II. The clear plastic aesthetic lessens the visibility of the Tension Toggle, and engaging the Tension Toggle does not require pressing down on the keyboard.

**> Note:** A clicking noise may occur when writing if the Tension Toggle is somewhere between fully engaged or fully disengaged. When using the Tension Toggle, it is important to make sure it is pushed into the engaged position as far as it will go. When not using the Tension Toggle, it is important to make sure it is pulled into the disengaged position as far as it will go.



**Engaging the Tension Toggle**

Slide the Tension Toggle towards the back of the Lumindex II (away from you when sitting at the writer) until it stops. This action will cause the Tension Toggle to slide on top of the Universal Bar. The Universal Bar is the long bar with green colored felt running lengthwise under the Lumindex II keyboard. With the Tension Toggle engaged, the Universal Bar provides no resistance to the downward motion of the keyboard and the Keyboard Tension Thumbwheel setting has no influence on the keyboard tension.

## Disengaging the Tension Toggle

Slide the Tension Toggle towards the front of the Lumindex II (towards you when sitting at the writer) until it stops. This action will cause the Tension Toggle to slide away from the Universal Bar. The Universal Bar is the long bar with green colored felt running lengthwise under the Lumindex II keyboard. With the Tension Toggle disengaged, the Universal Bar provides resistance to the downward motion of the keyboard and the Keyboard Tension Thumbwheel setting has influence on the keyboard tension.

## USB Type-C Connectivity

The Luminex II uses a USB Type-C port for USB communication and USB battery charging. USB Type-C is a reliable, symmetrical and reversible connection. With USB Type-C you do not have to make sure the connector is oriented correctly. There is no "up-side-down" with USB Type-C.

