

KOSMOS System Software 7.0

Date: December 13th, 2022

Distribution: Internal (sales and clinical educators) and External (customers)

System Software v7.0 Release

The 7.0 system software release provides the following features and improvements for KOSMOS:

- Integration of Us2.ai (USA ONLY)
- Tissue Doppler Imaging (TDI) on Torso and Torso-One
- Expansion of support for Kosmos UP to include TDI and Lexsa Color Doppler
- Bug fixes

To implement the software update, ensure your exam data has been backed up and follow the process outlined in Software Update Process Over Wi-Fi or Using USB Flash Drive.

System Software Availability

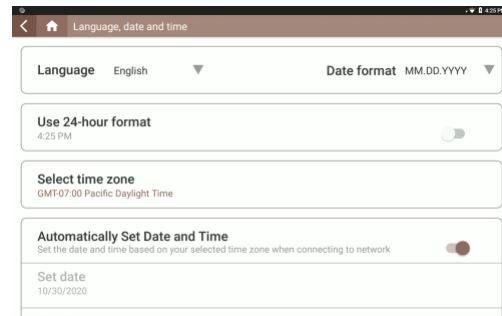
The 7.0 system software is available for customers in the following countries:

- USA
- Philippines
- Hong Kong
- Nepal
- Trinidad & Tobago
- Oman
- Tunisia
- UAE
- Kuwait
- Egypt
- Jordan
- Israel
- Iraq
- Vietnam
- Argentina
- South Africa
- Thailand
- Singapore
- Chile
- Brazil
- Malaysia

Software Update Process

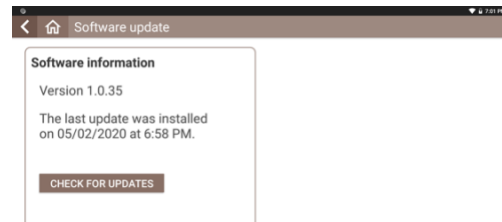
Update Over Wi-Fi

From the Home screen, tap settings.
Tap Language, Date, and Time.
Ensure “Automatic Date and Time”
is enabled.



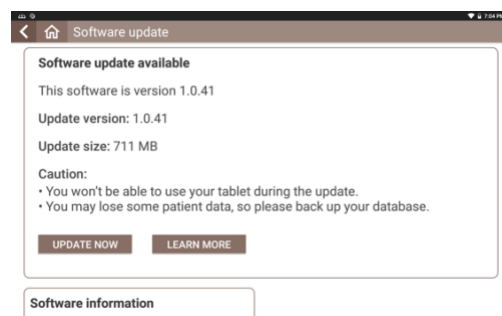
Connect the Wi-Fi network with an internet connection.

Go to Settings > Admin > Updates and press CHECK FOR UPDATES.

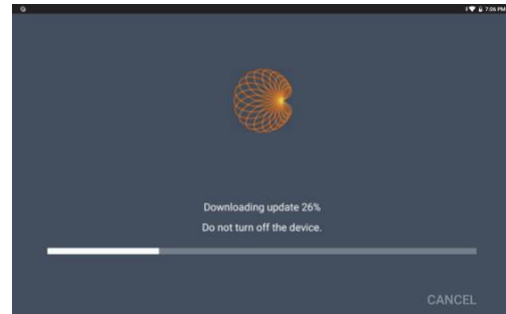


The device will connect with the update server and press UPDATE NOW.

Note: The picture shown is an example of the screen you will see. The update version indicated will be 7.0.0.125.

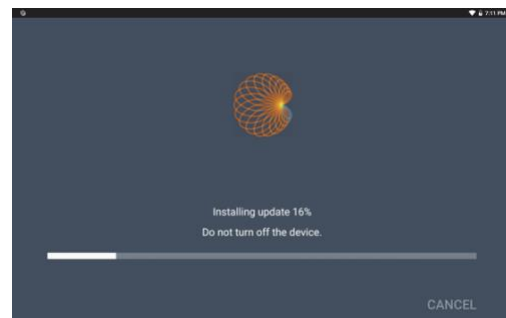


The device will begin to download the update package from the server. You will be able to see the progress of the download.



After the update package has been downloaded, the system will begin installing the update package.

Installation of the download package can take about a minute or two. You will be able to see the progress of the installation.



Once the installation is complete, the Kosmos Bridge will reboot and a message will appear saying that the update is complete.

After the update is installed, shut down and restart the Kosmos Bridge using the power button.

After completion of the CW update, it is highly recommended that you charge your system overnight to 100% battery level.

When performing CW Doppler imaging at battery levels of 25% or less, it is recommended to plug in the Bridge charger if conditions allow it. CW Doppler uses more power than the other ultrasound imaging modes, and using the Bridge charger with CW imaging at low battery levels will prevent any potential CW imaging disruptions.

Update Using USB Flash Drive

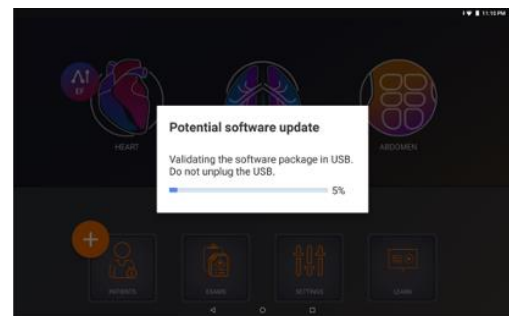
If the device cannot be connected to the internet, the software may be updated by a USB flash drive.

For a USB flash drive, contact EchoNous Customer Service by telephone at (844) 854-0800 or via email at service@echonous.com.

Note that KOSMOS System Software must be installed from a USB flash drive provided by EchoNous.

Plug the USB Flash Drive directly into the USB-C port on the side of the Kosmos Bridge.

The system will recognize the USB drive and begin to verify its contents. This can take 2 to 3 minutes to complete.

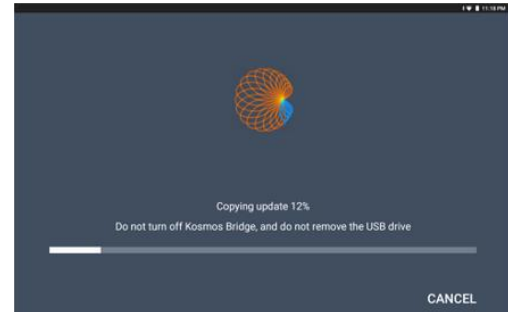


Once the contents of the plugged in USB drive have been verified, you will see a popup message.

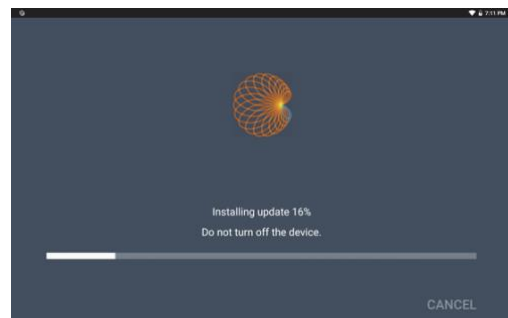
Press the INSTALL button.



Kosmos Bridge will begin copying the update package from the USB drive. You will be able to see the progress on the screen.



Once the update package has been copied, the installation process will immediately start.



Once the installation is complete, the Kosmos Bridge will reboot and a message will appear saying that the update is complete.

After the update is installed, shut down and restart the Kosmos Bridge using the power button.

After completion of the CW update, it is highly recommended that you charge your system overnight to 100% battery level.

When performing CW Doppler imaging at battery levels of 25% or less, it is recommended to plug in the Bridge charger if conditions allow it. CW Doppler uses more power than the other ultrasound imaging modes, and using the Bridge charger with CW imaging at low battery levels will prevent any potential CW imaging disruptions.

Learn Videos

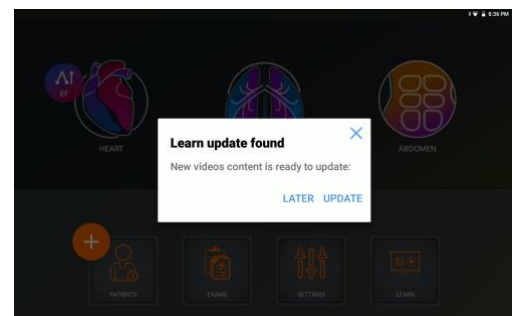
Install Using USB Flash Drive

To begin, insert the USB drive with the Learn video files directly into the USB-C port on the side of the Kosmos Bridge.

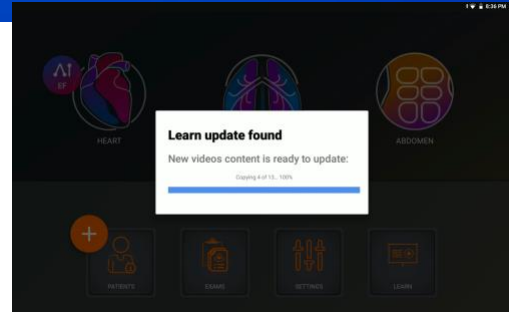
Tap the LEARN button on home screen.



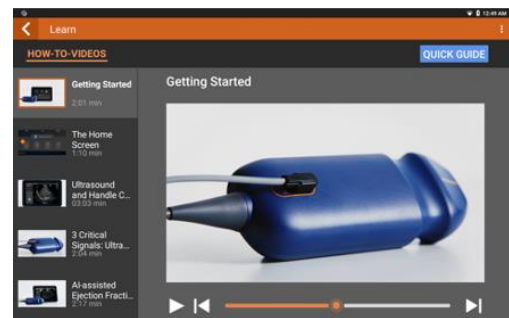
A popup message will appear, Tap UPDATE.



The update process will begin.
You will be able to see the progress
on the screen.



After the update is complete, the videos
will be available in Learn.

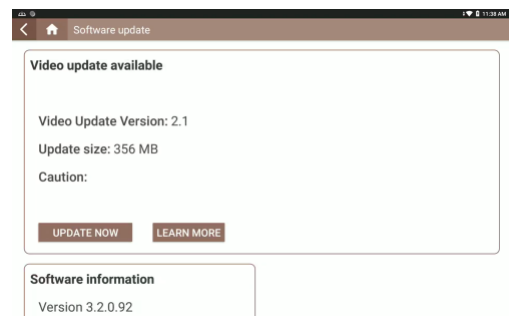


Install Over Wi-Fi

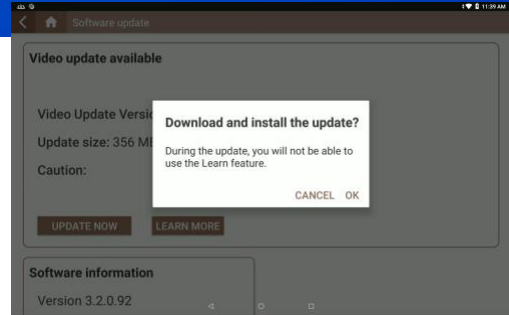
Connect the Wi-Fi network with an
internet connection.

Go to Settings > Admin > Updates
and press CHECK FOR UPDATES.

Press UPDATE NOW when update is
available.



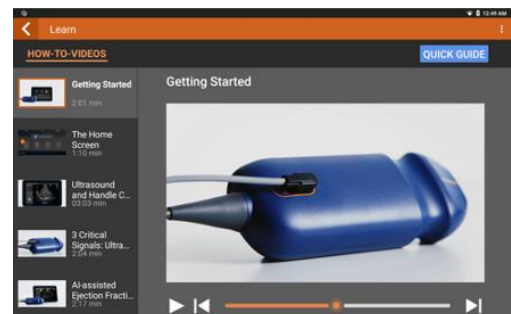
A popup message will appear,
Press OK



During the download, the Learn button on the home screen is disabled and will show the progress of the download.



After the update is complete, the videos will be available in Learn.



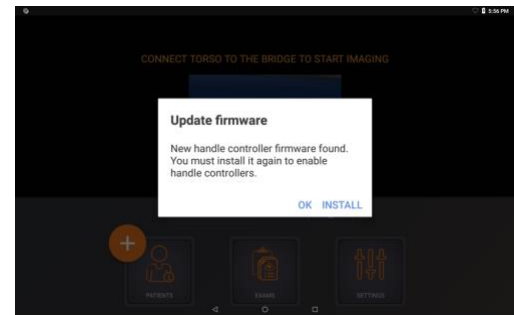
Enable the Handle Controls

The Handle Controls feature can be enabled from the Home Screen.

Tap **TURN ON HANDLE CONTROLS** then tap **ON**.



When the Handle Controls are enabled for the first time, Kosmos Bridge will prompt you to update the Handle Controller firmware.



Press the **INSTALL** button on the popup to update the Handle Controller firmware and Kosmos Bridge will proceed to install the firmware.

