

Summary

The EchoNous 4.5.0 system software update release introduces the new EchoNous display along with Uscan app support for Android 9.

This document provides EchoNous / Signostics Sales and Clinical Support personnel and Biomedical Engineering customers with information on the Vein Probe, Hub, S3 Samsung and system software version 4.5.0.

System Software v4.5.0 Update

The v4.5.0 system software features the following improvement and bug fixes:

- ◇ The 4.5.0 software update is compatible with the recent Android 9 update pushed on the Samsung S3 tablet.
- ◇ The software patch fixes the existing Dead Samsung tablet not charging issues. The tablet (if dead or switched OFF) will charge normally through the HUB.
- ◇ It will be possible to disable scanning when Uscan display battery is at 5% or below. This is to prevent from tablet from switching OFF while scanning.
 - The Setting can be activated/deactivated by going to Three dots -> Settings -> Administration -> Prevent scan starting when battery is low (5% or less).
- ◇ The software also includes an updated “Getting to know EchoNous Vein” training video.

Unaddressed Software Anomalies

The v4.5.0 system software does not address the following bugs discovered in the design and testing process.

- ◇ Error 210 while performing bladder volume scanning: The error is displayed when EchoNous Bladder probe's calibration has failed because the probe was not placed flat and undisturbed on a tablet during calibration. If bladder volume scan is started after a failed calibration, it will give this error
 - Resolve by re-running the EchoNous Bladder calibration, go to Three dots -> Settings -> Maintenance -> Bladder Probe Calibration. Ensure the bladder probe is kept flat on a table and there is no movement of the probe during calibration process.
- ◇ When using calipers in "Volume Measurement" menu (Ultrasound Imaging), deleting the calipers alone will not automatically refresh the volume estimation on the image.
 - Resolve by clicking anywhere on the scan image to update the measurement.
- ◇ Anonymized voluntary data upload feature to EchoNous for Research & Development purposes is suspended for this release.

Update Process

Over Wi-Fi

- ◇ If the Automatic Updates Check is enabled and the system is connected to the Internet, an update notification will appear. Follow the instructions on the device to download and install the update.
- ◇ If the Automatic Updates Check is not enabled, connect the device to the Internet using a secure Wi-Fi connection, then check for updates via Menu > Settings > Maintenance > Check for Updates. Follow the instructions on the device to download and install the update.

Using USB Flash Drive – Samsung Tablet

If the device cannot or will not connect to the Internet, contact Customer Support to assist with downloading and installing the software by means of a USB flash drive.

1. Plug the USB Flash Drive directly into the tablet's USB-C port.
2. Navigate to Three dots -> Settings -> Maintenance -> Install from USB drive
3. Follow on-screen instructions to install the update.
4. Repeat Steps 2-3 for installing the updated Training video package.
5. **Switch OFF the tablet** by holding down the power button.
6. Switch ON the tablet and wait for Uscan software to boot up. Once done, connect the HUB back and **WAIT FOR 30 secs** to re-install the HUB software.

If you have any questions regarding the update process contact EchoNous / Signostics customer support at +1-844-854-0800.