Technical Bulletin

EchoNous

Summary

The Uscan 4.1.2 system software update prevents the Tablet from displaying in portrait orientation. An unforeseen usability issue has been discovered in the recently released 4.1.2 update. As presently evaluated, the issue cannot be resolved due to an Android OS conflict. EchoNous has determined the issue to be infrequent, but it may occur under a given sequence of initialization steps outlined below.

This document provides EchoNous / Signostics Sales and Clinical Support personnel and Biomedical Engineers with information on avoiding and/or resolving the potential issue for the S3 Samsung and the HP tablets with Uscan software version 4.1.2.

System Software v4.1.2 Issue on HP and Samsung S3 Tablet Displays

EchoNous system engineering has identified and labeled the issue as a power management and probe "false-sleep" latent communication error. The system software is designed to enter sleep mode after a period of inactivity in order to preserve Tablet battery charge. The Tablet will have trouble recovering from sleep mode if the following sequence of events occurs in this order:

1. The Tablet is asleep, and the Probe is not already plugged into the Tablet or the USB Hub.

2. The User plugs the Probe into the Tablet, into the Signostics Stand Dock or into the AI Stand USB Hub.

3. After plugging in the Probe, the User *immediately* wakes the Tablet and the Tablet instantly falls back to sleep.

4. Reawakening the Tablet results in the same falling back to sleep mode until 3-5 repeated attempts (approximately 5 seconds) has occurred.

This latency in waking has no safety implications but will cause users confusion in the mistaken assumption that the Probe or Tablet is defective.

Workaround on HP and S3 v4.1.2 Tablet Displays

After connecting a Probe to a sleeping Tablet, PLEASE WAIT AT LEAST 5 SECONDS before turning on (waking) the Tablet.