

## *SIGNALTEK™* Firmware Upgrade Procedure

Release 1.3.0, April, 2011

Before attempting to upgrade your SIGNALTEK handsets, be sure that either the handsets are plugged into AC power or there is a fresh set of batteries in each handset.

1. Start with both the NE (near end) & FE (far end) powered OFF.
  - a. If using batteries be sure the batteries in use are brand new. If power dies during the update, the handsets may require factory service.
2. Connect the NE to the FE using a standard RJ45 patch cord. Turn ON the FE handset only.
3. Copy the firmware upgrade file (*signaltekF1\_2\_0\_5.upgrade*) to a USB flash drive.
4. With the firmware file on the USB flash drive, connect the USB flash drive to the NE handset (the NE should still be OFF).
5. Turn ON the NE handset and wait for the firmware to upgrade automatically (Figure 1). This process will take about a minute to complete. Upon completion, the screen will show an Upgrade Complete message (Figure 2).



Figure 1: Firmware Upgrading



Figure 2: Firmware Upgrade Completed

6. Once the NE handset firmware has been successfully upgraded. The Near End LCD screen will display a message prompting the upgrade of the FE handset (Figure 3). Use the UP/DOWN arrow keys to highlight "Yes" and press ENTER to upgrade the Far End handset.
  - a. If you choose to not upgrade the FE handset, the SIGNALTEK will be unable to run an Autotest using the FE handset. To upgrade the handset at a later time, go to the Firmware Version option in the SETUP tab and choose the Upgrade option.



Figure 3: Prompt for Far End Upgrade

7. Upon choosing YES, the NE handset will send the upgrade file to the FE handset via the RJ45 patch cord (Figure 4). The upgrade process will take a minute or two to complete. DO NOT DISCONNECT THE CABLE OR TURN OFF THE POWER DURING THE UPGRADE.

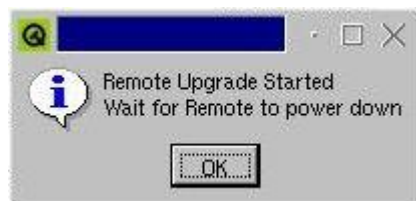


Figure 4: Beginning with Upgrade FE from NE.



Figure 5: Completion of Upgrade FE from NE

8. Once the upgrade process for the FE is successful, BOTH the NE & FE would automatically turn OFF.
9. Power both handsets ON again, remove the USB flash drive and proceed with testing. The firmware Upgrade is complete.
10. If you leave the upgrade file on the USB drive, SIGNALTEK will ask you to upgrade the firmware if the USB drive is connected when the handset is turned on. You have three options at this point:
  - a. Choose the "NO" option when prompted to upgrade the firmware.
  - b. Delete the firmware upgrade file from the USB flash drive after upgrading the handsets.
  - c. Wait until SIGNALTEK has booted before connecting the USB flash drive.