

# Technical Bulletin CS-01-05

## TFTP Upgrade of NetLink Wireless Telephones



### Description

SpectraLink has enabled the software within the NetLink Wireless Telephones (WTs) to be upgraded over-the-air from a TFTP server. The process is the same for both Direct Sequence WTs and Frequency Hopping WTs.

### Setup

This process requires that the phone be completely registered, fully configured, and within range of an operating system. Updating the software will not erase any configuration information from the phone. A TFTP server is also required, but if your system consists of a NetLink 150 Telephony Gateway (TGx116), you may use it as your TFTP server. (Refer to Technical Bulletin 00-17 for more information on how to upgrade the software files on your NetLink 150 Telephony Gateway.) If your system consists of a NetLink 50 Telephony Gateway (TGx104), you will need to supply your own, separate, TFTP server for this process.

- 1) If the NetLink 150 is to be used as your TFTP server, insure the WT TFTP Download Master (under Gateway Configuration) is set to 255.255.255.255
- 2) If you are using the NetLink 50, or if you are using a separate TFTP server for the NetLink 150, insure the WT TFTP Download Master (under Gateway Configuration) is set to the IP Address of the TFTP server.

### Process

Begin by making sure that all phones to be upgrade are powered off

- 1) Power on the Wireless Telephone (WT)
- 2) The WT will check in with the TFTP server, and download the functional code from the TFTP server if it is different than currently operating within the WT. DO NOT POWER THE WT OFF.
- 3) Within minutes, the WT should complete its download and be ready for use.
- 4) If you experience errors with the download, power cycle the WT to begin the process again.
- 5) If problems persist with the download, insure the access points in use are configured properly and attempt to isolate any wireless or wired traffic from the WTs and the TFTP server until the download is complete.

## Additional Information

Specific files are necessary to upgrade the Wireless Telephones and their features. Included below is a helpful chart detailing these files and their versions. The International Image is required to be correct as all Wireless Telephones reference this file.

<b>PTB 500 (pdt02c.bin)</b>	<b>PTB 600 (pft02c.bin)</b>	<b>PTB 800 (pdt06c.bin)</b>	<b>International Image (phintl.bin)</b>
47.017	48.020	N/A	.001
47.020	48.023	N/A	.001
47.028	48.026	N/A	.001
47.042 & greater	48.040 & greater	74.012 & greater	.004

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