

Technical Bulletin 02-09



Bulletin #: CS-02-09

Software Versions: All

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Product Type: NetLink DS Wireless Telephones

Hardware Revision: PTB800 and PTB810 Series Only

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Revision: A

Title: How to setup SpectraLink's PTB8xx to operate using Skinny Client Control Protocol (SCCP) with Cisco's IP PBX; CallManager.

Description: All NetLink 800 series Wireless Telephone (WT) handsets require the proper configuration and software to operate with Cisco's CallManager. This Technical Bulletin covers the steps needed to properly configure the WT handset and download software via over-the-air TFTP.

- Setup:**
- 1) A wireless LAN must be properly configured and operational through the use of 802.11b wireless Access Points (APs).
 - 2) Cisco's CallManager (Release 3.08 or greater) must also be connected to your network and completely operational.
 - 3) A TFTP Server is also required on the same subnet as the WT handsets, as most versions of software cannot be downloaded across a WAN. However, most installations choose to take advantage of the TFTP Server that accompanies the CallManager, making a separate TFTP Server unnecessary.
 - 4) The SVP Server, which controls the QoS on the LAN for the WT handsets, must also have the proper versions of software. You can download the latest NetLink SVP Server software on the Internet at;
<http://www.spectralink.com/service/software.html>

Please insure the following minimum versions of software are present on the SVP100.

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For more information on how to upgrade your SVP Server, reference the NetLink SVP Server *Installation, Setup, and Maintenance* manual (Part Number 72-0178-00).

- 5) Insure the SVP Server's *Maintenance Lock* is set to *N*, or not active.
- 6) Finally, insure that the battery pack on the WT handset is fully charged.

- Process:**
- 1) Download the latest NetLink Wireless Telephone – IP software from <http://www.spectralink.com/service/software.html>
 - 2) Load the latest version of the PTB8xx SCCP code (minimum Version 78.016) onto the TFTP Server and insure the TFTP Server is started. The two files that are needed must be named *pd06skc.bin* and *slnk_cfg.cfg*.
 - 3) Using the Admin Menu on the WT, insure the WT handset has properly configured *IP Address* and *TFTP Server IP* Information. If you are using a DHCP Server, insure the proper options are enabled in the DHCP scope.
 - 4) Insure the WT handset has properly configured *ESS ID* and *Reg Domain* Information within the Admin Menu. If you are broadcasting the *ESS ID* from your Access Points, the WT handsets will automatically learn this information when powering on.
 - 5) Under the Admin Menu on the WT handset, insure the *License Mngt* menu option is set to *004*. This insures the WT handset will check for the proper SCCP files each time it powers on.
 - 6) Power cycle the WT handset.
 - 7) The SCCP code will now load to the phone and you will be able to view the status bar incrementing across the display of the WT handset. After the status bar increments fully across the display twice, the WT handset's firmware has been upgraded.
 - 8) If you are using *STATIC IP* configuration, now insure you properly enter the *SVP Server IP* address and the *Cisco TFTP IP* address, which should be the IP Address of the Call Manager, from the Admin menu. If you are using DHCP, these will be scope options 151 and 150 respectively.
 - 9) Now simply register the MAC Address of the WT handset with CallManager (if auto-register is not enabled) and properly label the WT handset with the appropriate Extension.

Note: For future software upgrades, simply upgrade the files that are stored on the TFTP Server. The WT handsets will always check with the TFTP Server to insure they have the proper files each time they power on.

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