

Technical Bulletin 02-10



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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 SpectraLink Radio Protocol (SRP) with a Traditional PBX or Key System.

Description: All NetLink 800 series Wireless Telephone (WT) handsets require the proper configuration and software to operate using SRP. 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) At least one Telephony Gateway from SpectraLink must be connected to your network and completely operational. For proper WT handset operation, this gateway must reside on the same subnet as the APs.
 - 3) A TFTP Server is also required on the same subnet as the WT handsets, gateways, and APs; as versions of software cannot be downloaded across a WAN. However, most installations choose to take advantage of the TFTP Server that accompanies the Telephony Gateway, making a separate TFTP Server unnecessary.
 - 4) If you are using an SVP Server to control the QoS on the LAN for the WT handsets, it must also be connected to the same subnet and 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 all Telephony Gateways and 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 software from <http://www.spectralink.com/service/software.html>
 - 2) Load the latest version of the PTB8xx SRP code (minimum Version 74.016) onto the TFTP Server and insure the TFTP Server is started. The two files that are needed must be named *pdt06c.bin* and *phintl.bin*.
 - 3) For information on how to FTP files to a Telephony Gateway, reference Technical Bulletin 00-17.
 - 4) Please insure the *TFTP Download Master* is properly configured as 255.255.255.255 within the Telephony Gateway.
 - 5) If you are using a separate TFTP Server, please insure the *TFTP Download Master* is properly configured within the Telephony Gateway. For more information, please reference NetLink Telephony Gateway *Setup and Maintenance* manual (Part Number 72-0065-02).
 - 6) Register the MAC Address of the WT handset within the Telephony Gateway.
 - 7) Using the Admin Menu on the WT, insure the WT handset has properly configured *Phone IP* Address information. If you are using a DHCP Server, insure the proper options are enabled in the DHCP scope.
 - 8) 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.
 - 9) Under the Admin Menu on the WT handset, insure the *License Mngt* menu option is set to 001. This insures the WT handset will check for the proper SRP files each time it powers on.
 - 10) Power cycle the WT handset.
 - 11) The SRP 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.
 - 12) Now simply 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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