

## Zephyr Xport Update Instructions

(for version 2.1.1p)

September 27, 2006

Zephyr Xport's software is stored on a re-programmable module. Xport can use FTP (File Transfer Protocol) over any IP network to download new firmware from an FTP server into the memory module. We advise you to contact Telos Customer Support (have your current software version and Serial number when you call) to discuss whether the latest version would better meet your needs.

### ***I Installing the Telos Updater FTP server***

Note: If your firewall allows access to ftp.zephyr.com, skip to *Section III* to update directly from the Telos FTP server over the Web.

1. Launch the installer file. Follow the prompts to install the Telos updater and the update files. You can go with the default settings.
2. This will install the Telos Updater (tsFTP) program to the correct directory of the target computer.

### ***II Updating from your local ftp server.***

Note: If your firewall allows access to ftp.zephyr.com, skip to *Section III*.

If not, install the Telos ftp server as described in *Section I*, above, before performing the following steps.

#### Software update step-by-step (Local Server)

1. You will need to know the IP address of the machine that will be running the ftp server. You can find out your IP address by going to the MS-DOS window and typing: IPConfig <enter> . The information about this machine's network configuration will be displayed.
2. Start the Telos update server (tsFTP). This is normally in a programs group called Telos Systems and is called "Start FTP Server".

It is important that the download process completely, without interruption. If local power is not reliable, you might wish to place the Zephyr Xport (and local FTP server, if used) on an un-interruptible power supply.

3. Connect the computer to be used for the update and the Zephyr Xport to the same Ethernet network. Note that a direct connection between the Xport and the computer may be made, if the appropriate Ethernet “Crossover” cable is used.
4. Program the following information into your Zephyr Xport. Ask your network administrator if you need help.

Press the <NAV> button two times. Press <▼> twice to highlight “Ethernet Setup...” Press <SEL> to enter the setup menu.

Enter the following information in this menu:

*IP Address–*

The IP address for this unit. As with any computer on an IP network, the Xstream must have an IP address before it can be used over the network.

*SN Mask–*

The subnet mask is to determine the size of your local network. All packets addressed to a destination outside this local area are sent to the gateway node entered in the next selection. Normally you should enter 255.255.255.0 here.

*FTP Site–*

Enter the *FTP site* to be used. This is the IP address of the computer running the Telos Update FTP server (see step 1).

5. Update the system

Select *FTP update...* and press <SEL>. Press <▲> or <▼> to choose *OK* . Press <SEL>.

The unit will reboot once the update is complete. It may also give a message about non-volatile RAM values. This message is normal.

You can confirm that the update process was successful by looking at the Telos update FTP server window. If all went properly you will see “RETR /pub/Xport/updates/Image was successful”

6. Press <NAV> three times and view the About... screen by pressing <SEL>. Verify that the new software version is shown. The update process is now complete.

### ***III Updating directly from the Telos ftp site***

Note: This method may be convenient if your firewall allows access to the Telos ftp site (<ftp.zephyr.com>).

If your firewall allows FTP (usually port 21) through, then the Xport can download the new software directly from the Telos FTP site (<ftp.telos-systems.com>). If your firewall does not allow direct FTP download, see sections *I and II*, above.

#### **Software update step-by-step (Telos Remote Server)**

It is important that the download process completed without interruption. If local power is not reliable, you might wish to place the Zephyr Xport (and local FTP server, if used) on an uninterruptible power supply.

1. Connect the Zephyr Xport to a network with Internet access.
2. Program the following information into your Zephyr Xport. Ask your network administrator if you need help.

Ask your network administrator if you do not know the correct settings for the following items.

Press the <NAV> button two times. Press <▼> twice to highlight “Ethernet Setup...” Press <SEL> to enter the setup menu.

Enter the following information in this menu:

*IP Address –*

The IP address for this unit). As with any computer on an IP network, the Xstream must have an IP address before it can be used over the network.

*SN Mask –*

The subnet mask is to determine the size of your local network. All packets addressed to a destination outside this local area are sent to the gateway node entered in the next selection. Normally you should enter 255.255.255.0 here.

*Gateway –*

This is the IP address of a gateway router connecting you to the internet.

*DNS –*

This is the IP address of the DNS (Domain Name Server) you will be using.

### *FTP Site –*

Enter the FTP site to be used. This would normally be *ftp.zephyr.com* if downloading from Telos FTP site.

3. Select *FTP update...* and press *<SEL>*. Press *<▲>* or *<▼>* to choose *OK*. Press *<SEL>*.

The unit will reboot once the update is complete. It may also give a message about non volatile RAM values. This message is normal.

You can confirm that the update process was successful by looking at the Telos update FTP server window. If all went properly you will see “RETR /pub/Xport/update/Image was successful”.

Press *<NAV>* three times and view the About... screen by pressing *<SEL>*. Verify that the new software version is shown. The update process is now complete.

## **Telos Zephyr Xport Software Release Notes**

1.0.6p

July 2003

- Certain display strings relating to line quality are more user-friendly.

2.0.1p

August 2003

- ISDN Xport supports G.722 calls
  - ISDN Zephyr-mode calls attempt AAC-LD first
  - If AAC-LD does not lock, G.722 is tried
  - ISDN G.722-mode calls try only G.722 codec
- ISDN Xport can connect to another Xport in ISDN mode
- POTS Xport changed to connect at wider range of rates
- Xport audio fidelity increased at lower connect speeds

2.1.0p

September 2006

- Modem enhanced to prevent renegotiation attempts occurring on some lines
- Enhanced ring detection
- DSP memory diagnostic run at boot
- Loop overcurrent protection
- High level metering pulses detected
- CPC detection in Xport mode

2.1.0p

November 2006

- Loop overcurrent detection in POTS mode