Telex System Manager

Features

- Detects all Telex devices on the network for easy configuration.
- Views, manipulates, and manages multiple Telex device parameters and settings.
- Saves device configuration files to local disk for backups, archiving, or duplication.
- Records configuration files back to the Telex device.
- Imports and exports large device configuration tables into .CSV or .XML formats.
- Selectively copies device parameters from one configuration file to another.
- Updates firmware files on one or more devices with minimal clicks.

Installation

Requirements

- Windows XP® SP2 or higher
- .NET Framework 2.0 or higher
- Windows® Installer 3.1

Files Included

- setup.exe
- SystemManagerSetup.msi
- dotnetfx.exe

Setup

- If the .NET framework 2.0 or greater is not installed on the computer, install the .NET 2.0 Framework by double-clicking the dotnetfx.exe file and follow the prompts. You can also download the newest version from the Microsoft website.

- If a previous version of Telex System Manager is installed, you may be required to uninstall the previous version before continuing. Uninstall TSM using the Windows Add or Remove Programs utility (Start|Settings|Control Panel|Add or Remove Programs).

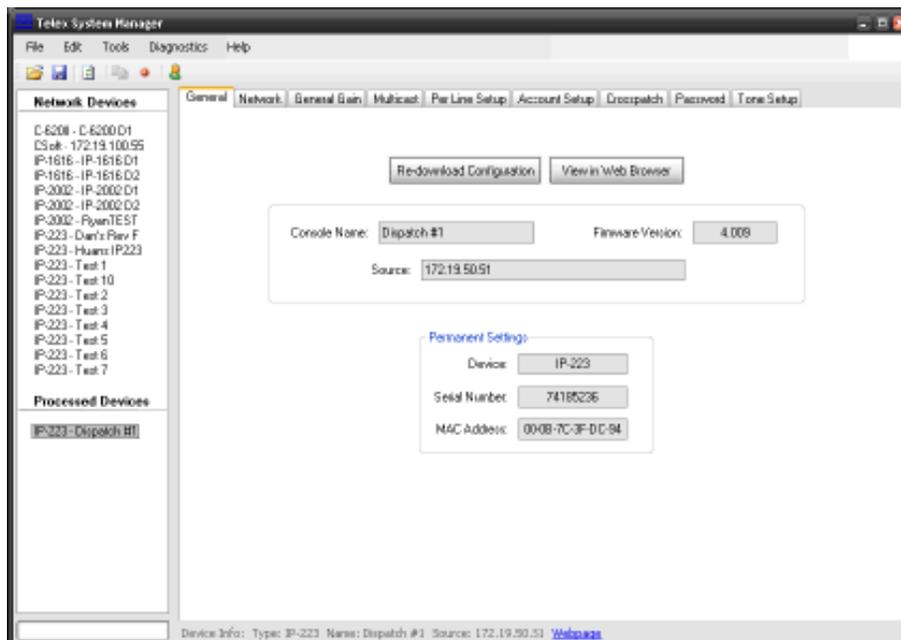- Double-click setup.exe and follow the prompts to continue.

To **run Telex System Manager**, do the following:
1. From the Start menu, select **Telex Communications**. *A popup menu appears.*
2. From the popup menu, select **Telex System Manager**. *The Telex System Manager opens.*
NOTE: You can also double-click the TSM shortcut created on the desktop.

The Device List contains three (3) different groups:

Network Devices are devices detected on the network but have no further information associated with them. Their configuration is either unavailable (C-6200, NEO-10, C-Soft Console, and Network Recorder), or proper credentials have not yet been entered (IP-223, IP-2002, and IP-1616). Once credentials have been successfully entered into one of these devices, its configuration is downloaded and the device is moved from the Network Devices group to the Processed Devices group.

Processed Devices are network devices for which TSM has configuration information. Each device in the Processed Devices group has a configuration that can be accessed through the visible tab controls. Devices in the Processed Devices group can be saved to a file by using *File|Save As* and choosing a destination. Devices in the Processed Device group can be selected as targets by the *Copy Configuration* utility. For more information, see "Copy Configuration Utility" on page 9. In addition, device configurations in the Processed Device group can be recorded to a device using the *Record to Device* utility.

Local Device Files refer to locally stored device configuration files. Appropriate credentials must be supplied before being able to view and modify the configuration contained within the .vga file. Once proper credentials are entered, devices in the Local Device Files group behave in the same way as devices in the Processed Devices group. Devices in the Local Device Files group can be selected as targets by the "Copy Configuration Utility" on page 9. Similar to Processed Devices, device configurations in the Local Device Files group can be recorded to a device using the Record to Device utility.

Import/Export Table Utility

Due to the large number of entries in certain device configuration tables, the Table Data Import/Export Utility is able to import data directly into or export table data out of a device's configuration (see Figure 14).
Tables can be imported and exported in either .xml or .csv format. If desired, .csv files can be exported, edited using a third-party spreadsheet program, and finally re-imported into TSM.

FIGURE 14. Import/Export Table Data

The Import/Export Table Utility is available for (the following tables are arranged by device type)

IP-223
- Per Line Setup - Function Tone
- Per Line Setup - CTCSS Setup
- Per Line Setup - ANI Decoder
- Crosspatch - Crosspatch Table
- Crosspatch - Pin Table

IP-2002
- Per Line Setup - Function Tone
- ID Directory
- Paging Directory

IP-1616
- Per Line Setup - Function Tone
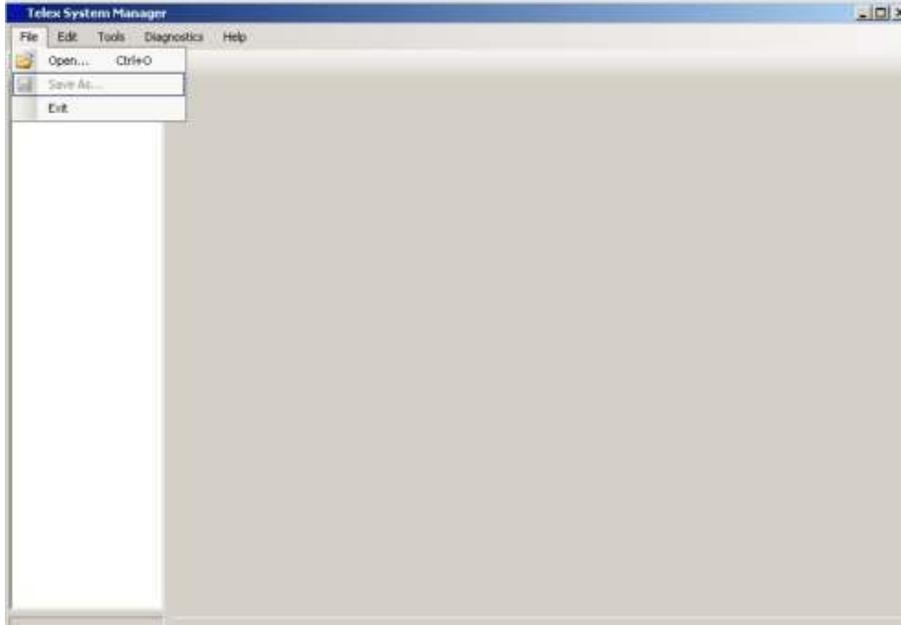- ID Directory
- Paging Directory

File | Save As

From the **File** menu select **Save As**. Selecting this menu item will allow the user to save a device configuration file to the local hard disk. This is a way to back up device configuration files to a local ".vga" file. This feature allows the user to restore a device configuration or view the configuration off-line

Record to Device Utility

The **Record to Device** Utility is used to store configuration information back to a device on the network. The source device must be in either the Processed Devices or Local Device Files list. In addition, the source configuration's device type must match the device type of the destination device on the network.

To **open the Record to Device Utility**, do the following:
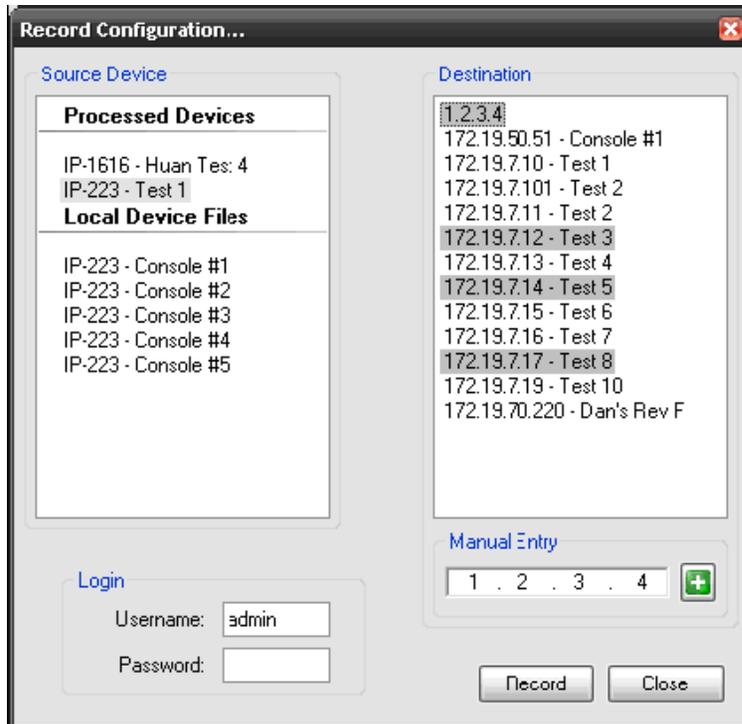From the Edit menu, select **Record to Device**.
OR
Right-click a **device** and select **Record to Device** from the popup menu.
The Record Configuration window appears.

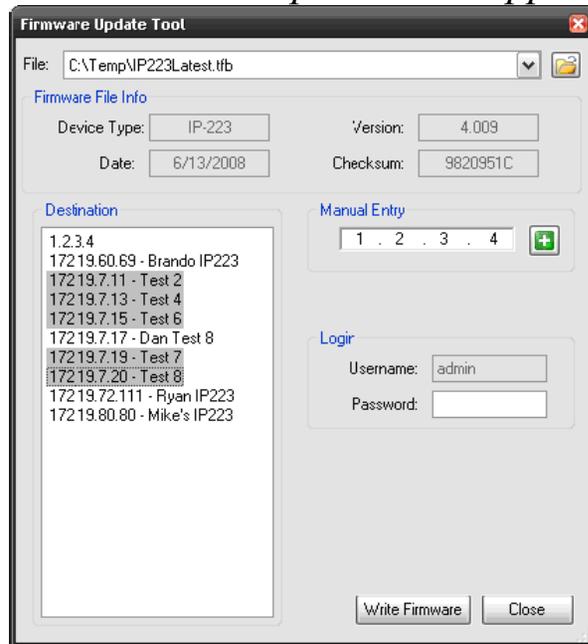# Record Configuration Window

Firmware Update Tool
The **Firmware Update Tool** is capable of updating the firmware on the IP-223, IP-2002, IP-1616, C-6200, and NEO-10 devices.
To **open the firmware update tool**, do the following:
> From the Tools menu, select **Firmware Update**.
The Firmware Update Tool appears.

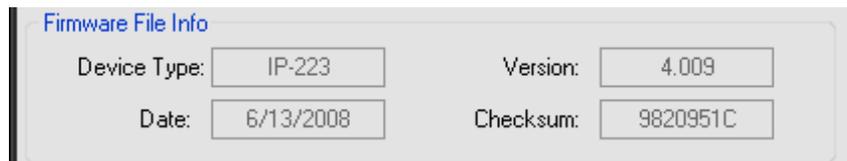To **update the firmware on a network device**, do the following:

1. Click the **browse icon** to navigate to the folder where the firmware file is stored.
2. Select the **firmware file**.
Once a file is selected, information about the selected firmware files appear in the Firmware File Info Group Box.

Firmware File Info			
Device Type:	IP-223	Version:	4.009
Date:	6/13/2008	Checksum:	9820951C

3. From the Destination list, select the **device** to which you want to update the firmware.

NOTE: Multiple devices' firmware can be updated in parallel by selecting multiple devices from the Destination Device List. To select multiple destination devices, hold the Ctrl or Shift key on the keyboard and click on each additional device in the Destination Device List.

NOTE: All devices appearing in Device List with a matching device type appear in the Firmware Update window's Destination list. If a desired device does not appear in the Destination list, you can enter the device's IP Address manually using the Manual Entry field. Once an IP Address is entered into the IP text box, you need to push the green plus button. The IP Address just entered is added to the Destination List, and is then selectable as a destination. Multiple destinations can be manually entered in this way.

5. Click **Write Firmware**.
A window appears listing all selected devices, a progress bar, and up-to-date status information for each device.

System Manager Notes

• Telex System Manager is compatible with (see Table 1)
• Telex System Manager uses ports
(UDP) 7635 for device detection
(TCP) 21 for FTP Transfer for Firmware Update

TABLE 1. Telex Device/Sofware compatiblity reference

	Detected in Device List	Configuration Available	Firmware Update
IP-223 version 4.009 or higher	Yes	Yes	Yes
IP-2002 version 4.009 or higher	Yes	Yes	Yes
IP-1616 version 4.002 or higher	Yes	Yes	Yes
C-6200 version 1.066 or higher	Yes	No	Yes
NEO-10 version 4.001 or higher	Yes	No	Yes
C-Soft version 4.100 or higher	Yes	No	No
Network Recorder version 4.200 or higher	Yes	No	No