

This guide is a step-by-step procedure for downloading the TxPORT PRISM 3301 Flash software. The procedure takes approximately 15 to 20 minutes. The *saved configuration* layout of the version 3.00 or greater software is not compatible with the layout of the version 2.10 software. If your unit is currently configured and running DTE data over a T3 line, you should write down the current unit configuration information, allowing you to quickly restore these settings after the Flash download process. Refer to the reference manual (third edition or greater) when you need specific information concerning the PRISM 3301 unit.

Required Equipment

- Computer with terminal emulation and XMODEM file transfer capabilities (19200 baud, 8 data bits, 1 stop bit, and no parity).
- Diskette containing the TxPORT-supplied .ABS file.
- PRISM 3301 manual (third edition or greater)

Setup

Before you download the new Flash, you must physically connect a computer to the PRISM 3301 allowing you to download the .ABS file from the diskette to the unit.

1. Connect the computer to the PRISM 3301 front panel Supervisory port (labeled *Local Access*). This port is a DTE port requiring a DB-9, null modem cable.
2. Access the PRISM 3301 using a level-three password. Verify that you can access the command line interface. If you cannot access the command line interface, you will not be able to download the software upgrade.
3. Recording the unit's current settings will allow you to quickly re-configure the unit after the download is complete. Enter each of the following commands and write down the displayed settings in the space provided. If your unit has not been configured, skip step three and continue directly with the download steps.

GET NET

LBO: _____
 Yellow-X-Bit: _____
 AIS: _____
 Tx-XBit: _____
 Rx-Stuffing: _____

GET DTE

Loss of Signal: _____
 Out of Frame: _____
 AIS Signal: _____
 Yellow Alarm: _____

GET MAP

Time Slot #1: _____
 Time Slot #2: _____
 Time Slot #3: _____
 Time Slot #4: _____
 Time Slot #5: _____
 Time Slot #6: _____
 Time Slot #7: _____

GET SCRAMBLER

Type: _____ Status: _____

GET SUPERVISORY

Mode: _____
 Baud: _____
 Call On Alarm: _____
 Dial String: _____
 Hangup String: _____
 Init String: _____

GET ADMIN

UnitID: _____
 CircuitId: _____
 ApplicationId: _____

User Name	Access Level	Password
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____


Download

1. Set S1-2 to the *Up* position (download mode).
2. For the switch setting to take effect, turn the unit power *Off* and then back *On* or key in the command REBOOT WARM. The following message displays on your terminal screen:

```
TxPORT 3301 DSU Flash Loader Revision x.xx
Ready for download
```
3. Start the XMODEM file upload process and transfer the .ABS file to the PRISM 3301. If necessary, refer to your terminal emulation manual for details on how to perform this step.
4. When the file transfer is complete, switch back to terminal emulation mode so you can see the prompts from the PRISM 3301. The following message is displayed:

```
Download successful.
Reset the Forced Download Switches.
```
5. Reset S1-2 to the *Dn* position (application mode). The screen displays the following message:

```
Waiting for hardware reset.
```
6. As the unit reboots, diagnostic messages are displayed along with the new software version number. If you do not see the revision number, you can review the software version number by keying in the command GET ADMIN.
If the unit does not restart within one minute, turn the unit power Off and then back On.
If the displayed revision level is still 2.10, log in as a level-three user and key in the command SET PROGRAM Flash. The command SET PROGRAM EPROM may have been performed previously telling the unit to ignore any Flash downloaded code. If, after entering this command and rebooting, the PRISM 3301 is still running the 2.10 software, go back to step one.
7. If the unit says OK, key in the command REBOOT WARM. If the unit says FAIL, go back to step one.
8. Perform a unit COLD BOOT either with the command REBOOT COLD or by setting S1-1 in the *Up* position, and turning the unit power *Off* and then back *On*.

 ***If you use S1-1 to perform the cold boot, be sure to set the switch back to the Dn position after the unit has successfully rebooted. Failure to do so allows the unit to continue performing cold boots on each subsequent program restart, erasing all the user-specific configuration information.***

Configure

You can now configure the PRISM 3301 unit to your T3 and DTE requirements using the unit SET commands. If you want to restore the unit to its original settings, use the SET command in conjunction with the commands and data you recorded on the front page of these procedures. Refer to the PRISM 3301 manual (third edition or greater) for configuration specifics, especially the SLIP, TELNET, and SNMP features. A few items of note include:

- The SLIP port must be configured (through the SUPERVISORY port) before it can be used. As a minimum, you must set the UNIT-ADDRESS. You might also need to set the BAUD and MODE, and depending on your ROUTER/NETWORK, you may need to set the SUBNET-MASK and ROUTER-ADDRESS. Once the SLIP port has been configured, TELNET access is available through the SLIP port.
- SNMP access requires (as a minimum) that you set the SNMP READ-COMMUNITY allowing you only viewing privileges. If you want the ability to modify SNMP MIB variables, you must set the SNMP WRITE-COMMUNITY. If you want the unit to send SNMP TRAPS to your SNMP Manager, you must configure the SNMP TRAP-ADDRESS for one or more addresses.

TxPORT Technical Support

If the download procedure fails, repeat the procedure again, ensuring that all steps are performed properly. If this second attempt fails, call TxPORT Technical Support.

Toll Free: 888-4TxPORT

Toll Free: 800-285-2755 (and after-hour emergencies)

Locally: 205-772-3770

e-mail: support@txport.com