SCS PXFastUpdater

User Manual | Version 1.00.06

Purpose and requirements

PXFastUpdater updates only SCS DR-9400 and DR-7X00 modems over a Windows COM port or the modem's Ethernet/Telnet connection. Older modems, including the PTC-II series, require the legacy SCS update software; do not use PXFastUpdater for them. It is a portable Windows 10/11 x64 application; no separate installation or runtime package is required. Use only a firmware file intended for the exact modem model. Obtain the updater and firmware from an official SCS source. The executable is not digitally signed in this release; verify it against the supplied `SHA256.txt` if Windows warns about an unrecognized application.

Installation

There is no installer. Download the `PXFastUpdater-1.00.06-Windows-x64.zip` release archive and extract the entire archive to a folder on your Windows PC, for example a folder under Documents. Keep `README.txt`, `User_Manual.pdf`, `SHA256.txt`, and the `licenses` folder with the executable. Do not run the program from inside the ZIP. Open the extracted folder and double-click `PXFastUpdater-1.00.06.exe`. To add a desktop shortcut, right-click the extracted EXE and choose **Send to > Desktop (create shortcut)** (or use Windows' **Create shortcut** action). Leave the original EXE in the extracted folder. To remove the program, close it and delete the extracted folder. The modem's COM-port driver, if needed, is installed separately.

Updating firmware

1. Connect the modem and make sure its power supply and data link are stable. Stop any other application using its COM port or network connection.
2. Start `PXFastUpdater-1.00.06.exe`. Select the appropriate COM port or a discovered network modem.
3. Click **Connect modem** and wait for the green connected indication. Check that the detected modem is the one you intend to update.
4. Select the firmware file, then click **Start update**.
5. Do not unplug the modem, interrupt its power, or close the program while the update is running. Wait for **SUCCESS – Checksum OK on Modem**. The modem then reboots.

For supported DR-9400/DR-7X00 modems, the updater first attempts the faster UPDFAST transfer. If the installed firmware does not support it, it can fall back to the slower UPDATE transfer. This fallback does not add support for older modem models such as PTC-II.

Other controls

Read modem log... saves the modem's system log after a connection has been established. **Disconnect modem** closes the selected connection. **Cancel** requests cancellation of the current operation; wait for the application to finish cancelling before disconnecting hardware.

If an update does not start

- If the COM port cannot be opened, close other modem programs and select the correct port. SCS modem ports are prioritized in the port list.
- If a network modem is not found, verify its network connection and that the PC can reach it; then select the correct device again.
- If the updater rejects the firmware file, verify that it is complete and intended for the connected modem model. Do not substitute another model's file.
- If transfer or verification fails, note the exact status message and save the modem log where possible. Do not assume that a failed update is installed successfully.

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