



Application Note

Software Update Procedure

Applicable Product

Model(s)
SF800
SF800E

Introduction

The embedded operating software (firmware) of the Signal Forge 800 Signal Generator may be updated by the user, if new revisions become available, by following the procedure below. Note that all output activity will be suspended while the software update is in process.

Description

Follow the steps below to download the new firmware to the Signal Forge 800:

1. Located the desired downloadable firmware file. The filename format is "SF800_DWN_X_Y" where X is the version and Y the revision. Firmware updates, if any, are posted to the Support page of the Signal Forge web site www.signalforge.com.
2. Set your terminal communication program to **XON/XOFF enabled** (as indicated in the SF800 manual). If using Windows Hyperterminal, this mode is set when creating a "New Connection" in the "Port Settings" window: "Flow Control" box. If XON/XOFF is not enabled you may receive a buffer error during download and the operation will not be successful.
3. Connect to the SF800 using your terminal communication software and select "Download Firmware", from the main menus of the Wave Manager software, and then "Y" to confirm that you want to perform the download.

WARNING - If you enter the "Y" option, you must download new firmware since the current firmware is marked as invalid.

Answering "Y" causes the SF800 to reboot. A new screen will state "Application Code Invalid" and prompt you again to download by entering "D" to "Download Application Code". When this occurs, enter the "D".

4. When the message: "start PC file transfer" appears, begin downloading the firmware file using your mouse to select the file transfer option from the menu on your terminal communication software. **Do not enter any more key strokes.**
If you are using the Windows Hyperterminal program, select "Transfer" then "Send Text File" (not "Send File"), and select the correct file to download.
Note that you may have to select "All Files" in the "Files of type" pulldown sub-menu, in order to see the file needed since Hyperterminal by default only displays ".txt" files and the SF800 firmware is file type .HEX.
5. After the file is selected, downloading begins and the screen will display the download status. Downloading will take about several minutes.