



Agilent 11713B/C Attenuator/Switch Drivers

Firmware Update Procedure



Update the 11713B/C Firmware Using USB/GPIB Interface

Required Equipment

- 11713B or 11713C
- 82357A or 82357B¹ USB/GPIB interface
- Personal computer with I/O Library Suite (Windows 2000/XP)

How to Update the 11713B/C Firmware?

The following is the procedure to update the 11713B/C firmware using USB/GPIB interface.

- 1 Connect the USB/GPIB interface from the USB terminal in your computer to the GPIB terminal in the 11713B/C rear panel. Then turn on 11713B/C.
- 2 Copy the following file from Agilent Technologies web site to the temporary work folder in your computer's HDD.
 - fw_upd.exe
- 3 Execute the **Command Prompt** on your computer.
- 4 Change the current folder to the temporary working folder with the "fw_upd.exe" file using **cd** command.
- 5 Enter **fw_upd.exe GPIB0²::28::INSTR** command to execute the firmware update program. Press the Enter key.

NOTE

The numerical value of "28" in the command is the default GPIB address of the 11713B/C. Change this value if the GPIB address on your 11713B/C differs.

- 6 Wait for few minutes until the command prompt is displayed again.
- 7 Navigate to the **INFO** menu on the 11713B/C front panel to check the firmware revision.

¹ 82357B can only be used with Windows 2000 (SP4 or later) and XP (SP1 or later). Install Agilent IO Libraries 14.2 followed by 82357B driver prior to use, unless Agilent IO Libraries 15.0 is used.

² Actual instrument VISA address ID string may differ from GPIB0. For example, if VISA address ID is "1", then instrument VISA address ID string is GPIB1.

Update the 11713B/C Firmware Using USB Cable

Required Equipment

- 11713B or 11713C
- USB cable connection the 11713B/C and external controller (with type A/4-prong male or type mini-B/5-prong male connectors depending on device used)
- Personal computer with I/O Library Suite (Windows 2000/XP)

How to Update the 11713B/C Firmware?

The following is the procedure to update the 11713B/C firmware using USB cable.

- 1 Connect the USB cable from the USB terminal in your computer to the USB terminal in the 11713B/C rear panel. Then turn on 11713B/C.
- 2 Copy the following file from Agilent Technologies web site to the temporary work folder in your computer's HDD.
 - fw_upd.exe
- 3 Execute the **Command Prompt** on your computer.
- 4 Change the current folder to the temporary working folder with the "fw_upd.exe" file using **cd** command.
- 5 Enter:
 - **fw_upd.exe USB0¹::2391::14360::MY12345678::0::INSTR**
command to execute the firmware update program for **11713B**. Press the Enter key.
 - **fw_upd.exe USB0¹::2391::14616::MY12345678::0::INSTR**
command to execute the firmware update program for **11713C**. Press the Enter key.

NOTE

The entered value of "2391::XXXXX::MY12345678" in the command is the USB ID for 11713B/C. The entered value of "MY12345678" is the serial number of the 11713B/C.

- 6 Wait for few minutes until the command prompt is displayed again.
- 7 Navigate to the INFO menu on the 11713B/C front panel to check the firmware revision.

¹ Actual instrument VISA address ID string may differ from USB0. For example, if VISA address ID is "1", then instrument VISA address ID string is USB1.