

Firmware update procedure.

A. Applicable Pioneer and Pioneer Elite HDTV models:

PDP-5020FD, PDP-6020FD, PRO-111FD & PRO-151FD

B. Confirm firmware version :

To determine if the new firmware update has already been installed on a PDP-5020FD, PDP-6020FD, PRO-111FD, or PRO-151FD, please power on the television and do the following:

1. With the television on, press the Home Menu button on the remote control.
2. Press the Down arrow button five times and select "Setup". Then, press the Enter button.
3. Press the Down arrow button five times and select "System Setup." Then, press the Enter button.
4. Press the Up arrow button once and select "Technical Info." Then, press the Enter button.
5. The software version information will display on the television screen. If the current software version displayed on the screen is less than 0905-0401, the firmware update needs to be performed. If it is larger than 0905-0401, the firmware update does not need to be performed.

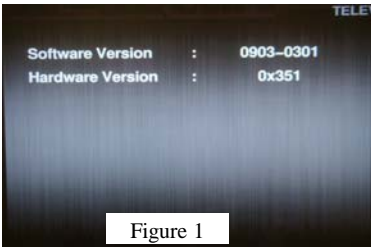
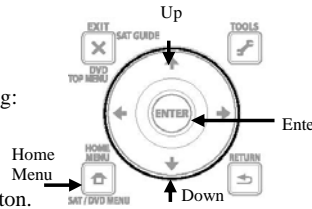


Figure 1

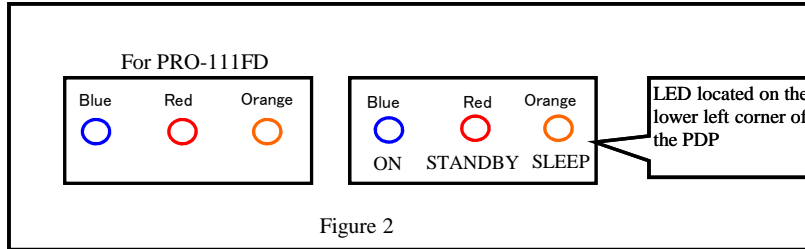


Figure 2

C. Firmware Upgrade Instructions:

Refer to Figure 2 for LED location and color status

Important - Please read before proceeding to software upgrade instructions

1. Do not operate the remote control, side keys on HDTV or turn off the AC power during firmware update.
2. The Orange (SLEEP) LED flashing indicates that the HDTV has detected an error. If this occurs, then the downloading operation is aborted. Count the number of times the Orange LED flashes. See table below for more details.

- Step 1: Turn the HDTV on (Blue LED stays on).
- Step 2: Unplug the AC power cord.
- Step 3: Insert the USB drive into the USB slot (on the left side of HDTV).
- Step 4: Plug in the AC power cord.
- First : Red (STANDBY) LED flashes once and then turns off.
- Second : Blue(ON) LED turns on and stays on for approximately 30 seconds.
- Third : Orange (SLEEP) LED turns on. Then Blue (ON) LED turns off and then Red (STANDBY) LED turns on
- Fourth : With Orange(SLEEP) LED still on, then, Blue(ON) and Red (STANDBY) LED starts flashing alternately.
- Step 5: Wait for the firmware update to be installed. This should take about 10 minutes. The Orange (SLEEP) LED will turn off after the firmware update is completed.
- Note : Blue (ON) and Red(SLEEP) LED continues to flash after the Orange (SLEEP) LED turns off
- Step 6: Unplug the AC power cord.
- Step 7: Remove the USB drive.
- End.

NOTE ABOUT TELEVISION CHANNELS: If you are using the television's built-in tuner to view television channels (as opposed to using a set top box or other device), please complete the additional step below.

Once the firmware update is completed, please re-scan the television channels by doing the following:

1. With the television on, press the Home Menu button on the remote control.
2. Press the Down arrow button five times and select "Setup". Then, press the Enter button.
3. Press the Down arrow button five times and select "System Setup." Then, press the Enter button.
4. Select " Auto Installation." Then, press the Enter button.
5. Select an option
 - Signal type: "Air" or " Cable"
 - Language: "English", "Francais", or " Espanol"
 - Time Zone: " Atlantic", "Eastern", "Central", "Mountain", "Pacific", "Alaska", or "Hawaii"
6. Select "Start." Then, press the enter button.

Number of times orange LED flashes	Error	Description
2	Version comparison error	The same or later version of software has already been written
3	USB Download startup error	USB Download can not be started
5	USB Download ends with error	USB Download is aborted during downloading. Suggest to try it again
10	Disconnect of USB	USB Flash Drive failure