

## **How to Upgrade Software For PDW-1500 and PDW-V1 from version PKG-1.18-1.56 to 1.60**

For all systems with a Package version of 1.18 or higher you can follow the instructions below to upgrade the software to version 1.60.

Be sure that you are operating the deck on a reliable power source and not batteries to ensure that the battery does not cause a failure of the software upgrade. Remove the any disc from the camcorder before doing the software upgrade.

### **Ethernet Software Upgrade Instructions:**

1. Confirm Firmware Version  
Before installing the new firmware, confirm that firmware is at least V1.18 or higher. The version can be confirmed from the XDCAM website or from the Maintenance menu of the unit as follows:  
Press the Menu button  
Now press “Counter” and “SET” buttons at the same time and the Maintenance Menu will appear. Choose Others and then Software Versions by using the arrow keys.
2. Retention of Menu setting  
The Menu settings are not retained while upgrading the software.  
To save the current menu setting to a Bank select the Bank # in which to save the current menu setting. This is found at the bottom of the normal menu list. After the software has been upgraded you should recall this Bank # to return the menu setting back to how you liked them set.
3. Now you will have to set the Network address and configuration to be IP address 192.168.1.10 and verify the DHCP is disabled.  
This is found under the Maintenance Menu Network Config. When this is completed turn the menu of the deck to off by pressing the menu button.
4. Connect your PC to the deck with an Ethernet cable (for PDW-V1 the cable has to be a cross connect cable).
5. Begin Internet Explorer and type in the address <http://192.168.1.10>. If you need better instructions you can refer to both the Operational Manual as well as the Service manual for upgrading software via Ethernet or how to set you PC network connections.

6. A small display for login should now be displayed. Enter the following information:  
User Name: **admin**  
Password: is the model name  
For example for a PDW-1500 deck the password is “**pdw-1500**” or  
For example for a PDW-V1 deck the password is “**pdw-v1**” .
7. Now the computer display will change to be showing the Device Information page. Now in the left hand margin you will see a section that is under Maintenance. Click the Download button.
8. The page will change to the software down load page (beginning page). You will not enter anything into the Software Install Key field. Verify this is set to NORMAL, if not use the pull down menu to select the correct setting.  
Now click on the Browse button to select the file to be downloaded. The file selected should be a Garland-Deck Model name-blank or s1 (depending on the serial number)-1600.pkg. (This s1 only and serial number range only applies to the PDW-1500 software)  
Then click “To Step-2” button to begin the software download and upgrade process.
9. After the software is transferred to the camcorder the page will change and be page 2 which is Step 2 – Download Execution. This will show each of the various software pieces as they are loaded to the correct CPU functions or ROMs. This process will take several minutes (approximately 5-8 minutes).
10. When this has completed the download process the display will change and give a status of the download. Verify each piece of software that was downloaded has an OK to the right end of the name as shown below.

**PDW-1500**

Status : Finished

kernel[vmlinux-mpu-303.ext3.bin.gz] OK  
userland[mpu-303.fs.ext3.normal.img.gz] OK  
rtos[dpr235xv\_1560.bin] OK  
pier[PIER\_1500.bin] OK  
vain[vain\_deck\_1420.bin] OK  
dsp0[DSP0\_1.070.bin] OK  
dsp1[DSP1\_1.050.bin] OK  
dsp2[DSP2\_1.070.bin] OK  
dsp3[DSP3\_1.010.bin] OK  
opt-drive[BRDP2P\_1.550Pack.bin] OK  
prox-dsp[prox\_deck\_1.600.bin] OK

## PDW- V1

Status : Finished

```
kernel[vmlinux-dpr238.bin] OK
userland[rootfs.jffs2.normal] OK
rtos[dpr238_1560.bin] OK
pier[PIER_1500.bin] OK
vain[vain_vwr_1400.bin] OK
dsp1[DSP1_1.050.bin] OK
dsp2[DSP2_1.070.bin] OK
dsp3[DSP3_1.010.bin] OK
opt-drive[BRDPIP_1.550Pack.bin] OK
prox-dsp[prox_deck_1.600.bin] OK
```

11. After you have verified the software download status click the “To Step-3” button to continue. The display page will change to instruct you to power the deck OFF. Then Power ON the deck and wait approximately 60 seconds (wait for the Ethernet connection to become reconnected). Then click the “COMPLETED” button.
12. This has completed the software upgrade. You can click on the left hand margin the button to show Software Version. The package will now display 1.60.
13. You should also verify that the other software pieces match the following list of software versions.

### PDW-1500

PACKAGE **V1.60**

SY1 (ITRON CPU) V1.60

PIER (to #19999/70999) V1.50

PIER (from #20001/71001) V1.54

VAIN V1.47

SY2K (Linux KERN) V1.53

SY2U (Linux FS) V1.53

DRV (Drive) V2.02

KY (KY) V1.01/1.03

DSP0 (AU DSP0) V1.07

DSP1 (AU DSP1) V1.05

DSP2 (AU DSP2) V1.07

DSP3 (AU DSP3) V1.02

PRX1 (PROX FPGA) V1.20

PRX2 (PROX DSP) V1.60

MENU V1.50

### PDW-V1

PACKAGE **V1.60**

SY1 (ITRON CPU) V1.60

PIER V1.50

VAIN V1.47

SY2K (Linux KERN) V1.53

SY2U (Linux FS) V1.53

DRV (Drive) V1.56

KY (KY) V1.01

DSP1 (AU DSP1) V1.05

DSP2 (AU DSP2) V1.07

DSP3 (AU DSP3) V1.02

PRX1 (PROX FPGA) V1.20

PRX2 (PROX DSP) V1.60

MENU V1.50

14. This would be a good time to recall your saved Bank information.

15. Disconnect the Ethernet connection and this camcorder is ready to operate under this newly upgraded version of software. This completes the software upgrade. Refer to the readme first document for feature improvements and bug fixes.

**NOTE:** With this version of software you should also upgrade the FAM Driver (File Access Mode driver) for your NLE and PC use, The new version is 2.04. If you use PDZ-1 (Proxy Browsing Software) this should also be upgraded to version 2.11. If you are using a Mac OS and Final Cut Pro or Avid software operating on a Mac platform there is a new version of the File transfer version 2.0. This will also need to be upgraded.