



Broadcast Products Technical Bulletin 20-2009-231

DATE: December 14, 2009

SUBJECT: **EXCESSIVE ABERRATION COMPENSATION;
KNEE CURVE ERROR DURING DCC OFF**MODEL: PDW-700
PDW-700//U
PDW-700/1
PDW-F800

SERIAL NO: ALL

*Italicized information in green applies to
customers outside the United States.*

DESCRIPTION

When running software package V1.51 or V1.53, the following symptoms may occur:

- When Fujinon lens HA16×6.3 is installed, excessive aberration compensation occurs when IRIS/FOCUS/ZOOM is set to a specific position. The excessive compensation can be visually confirmed on the VF.
- When power is turned ON with DCC OFF, the knee curve has only a single break-point. The dynamic range is only 250% whereas 300% is required. The camera may return to normal operation (two break-points) if the camera is set to DCC ON then OFF.

To correct the symptoms, upgrade software to V1.54.

NOTE: The symptoms do not occur with software earlier than V1.51.

SOFTWARE REQUIRED

Part No.	Description	Qty.
PDW700154	PDW-700 Software V1.54	1
PDWF800154	PDW-F800 Software V1.54	1

ORDERING INFORMATION

To order upgrades, contact:

Sony SoftwarePLUS®

Call: (800) 538-7550

Web: www.sony.com/softwareplus

Customers outside the United States: Please order parts from your usual supplier.

UPGRADE PROCEDURE

NOTE: Software must be upgraded to V1.21 or higher first.

Prepare PDW Unit

1. Remove any disc that may be inserted in the unit before you begin the upgrade; otherwise, the upgrade may fail.
2. Disconnect the i.Link cable or audio cable (including headphones) if connected to the unit.
3. Use external DC power and not battery power to perform the upgrade.
4. Set the VDR switch to STBY.
5. Execute ALL FILE SAVE before the upgrade.

NOTE: Refer to the maintenance manual, volume 1, section 5-3-2, "ALL FILE."

CAUTION: DO NOT turn power OFF or remove the memory stick during the upgrade; otherwise, the upgrade will fail.

UPGRADE VIA USB MEMORY

System Requirements

- Package software V1.54
 - PDW-700: Garland-pdw-700-s1-1540.pkg
 - PDW-F800: Garland-pdw-f800-1540.pkg
- USB memory

Procedure

1. If using USB memory to perform the upgrade, refer to the maintenance manual, volume 1, section 1-11-2, "Firmware Update Using the USB Memory."
2. Execute ALL FILE LOAD after the upgrade.

UPGRADE VIA NETWORK

System Requirements

- Package software V1.54
 - PDW-700: Garland-pdw-700-s1-1540.pkg
 - PDW-F800: Garland-pdw-f800-1540.pkg
- PC
- Network cable

Procedure

1. If using the network to perform the upgrade, refer to the maintenance manual, volume 1, section 2-3-1, "Software Update."
2. Execute ALL FILE LOAD after the upgrade.

CONFIRMATION

1. Turn power OFF and ON.
2. While pressing the MENU knob, set the MENU ON/OFF switch from OFF to ON to open the TOP menu.
3. Select DIAGNOSIS, and choose ROM VERSION 1, ROM VERSION 2, and ROM VERSION 3 to confirm that firmware versions are as follows:

NOTE: New versions for V1.54 are in red.

ROM VERSION 1		ROM VERSION 2	
PACKAGE	1.54	LVIS	3.32
SY1	1.55	TSYS	4.12
SY2K	1.60	TMBP	4.12
SY2U	1.60	FAM	1.04
DRV	2.36	LABY	1.10
		BRDG	1.11
AT	1.52	PIER	1.22
FP	1.10	CAVA	1.30
ROM VERSION 3			
DSP0	1.00		
DSP2	1.10		
PRXA	1.02		

COMPATIBILITY NOTES

- When using PDW-700 with PDW-U1, upgrade PDW-U1 XDCAM drive software to V2.11 or higher.

NOTE: If you format a DISC with PDW-700 V1.21, record material on the DISC using XDCAM drive software V2.0, and then insert the DISC in PDW-700 again, UNKNOWN FS may be displayed.

- When using PDW-700 with the following PDW models, upgrade the units to V1.56 or higher.

PDW-510/510P, PDW-530/530P, PDW-539P

PDW-1500

PDW-V1, PDW-R1, PDW-D1

PDW-F350/F355, PDW-F330/F335

PDW-F70/F75, PDW-F30, PDW-70MD/75MD

NOTE: When full-salvaging a disc recorded with these models, use the same modes and versions.

- Use the following FAM DRIVERS:

Windows V2.200 or higher

Mac V2.2.0 or higher