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Sony Corporation

No. HDCM13-001-TN

# Technical News

Issued : January 30, 2013

**Subject: Software Release (V1.20 => V1.40)**

[Applicable Model ]

Model / Destination	Serial Number	Number of Unit
HDCU1700 CED		
HDCU1700 SY3		
HDCU1700 SYL		
HDCU2000 CED		
HDCU2000 E2		
HDCU2000 E3		
HDCU2000 J2		
HDCU2000 UC5		
HDCU2080 CNB		
HDCU2500 CED		
HDCU2500 SY3		
HDCU2500 SYL		

**[Description]**

Upgraded software (V1.40) is released for new functions. Upgrade it as necessary.

**[Change Points]**

< New Features >

1. Add the function not to indicate the characters forcibly  
Add the function not to indicate the characters which are superimposed on the SDI output signal from DRX-9 and RC-105 board (SDI3&4) forcibly.  
S2(MODE1) bit2 ON : Not to indicate the characters forcibly  
OFF : Depending on the output setting of menu S04<OUTPUT FORMAT>

<Corrections>

1. Correct CAM MENU indication  
When the Mono color is set and CAMERA MENU CONTROL is set to ON, the CAMERA MENU is not indicated from RC-105 board. This error is corrected.
2. Correct the up converter of RETURN signal  
When the transmission format is 720/50P, SD-SDI or PAL signal is supplied as RETURN signal, and the power ON/OFF is repeated, the RETURN picture might be corrupted rarely. This error is corrected.

**[Preparation]**

< Files >

Upgrading of software and PLD are required.

File name	Target of update	Version
hdcu2000.rom	Software	V1.40
E_000_005_28_05	PLD (DTX-9)	V1.40
E_000_005_30_05	PLD (RC-105)	V1.40

\* Software tool to upgrade PLD

DLT\_v35.exe                      Software tool for PLD upgrading  
DLT30\_install.pdf DLT\_v35    Install guide (Japanese)  
DLT30\_install\_E.pdf DLT\_v35 Install guide (English)

\* Please contact to your local Sony's service office for obtaining the software files and software tool.

< Memory Stick >

Use a memory stick to upgrade the version. Prepare either one of the following memory sticks. The memory stick used for other purposes can also be used if it has 2 MB or more free space.

- MSA-8AN    (8MB)
- MSA-16AN (16MB)
- MSA-32AN (32MB)
- MSA-64AN (64MB)

Create the following directory in the memory stick, and copy hdcu2000.rom.

Enter the directory name with upper-case letters. Note that due to the Windows display characteristics, even when all the letters are entered in upper case, only the first letter of a word is displayed in upper case and the rest in lower case.

¥MSSONY¥PRO¥CAMERA¥HDCU2000 (Enter all in upper case)

## &lt; Tools to upgrade PLD &gt;

- Personal computer  
OS: Windows 2000/XP, with USB port equipped  
The software tool for PLD upgrading is installed.
- PLD download tool (Cable) Part. No J-7120-220-A

**[Installation Procedure]**

## &lt;Software&gt;

1. Turn off the power to HDCU2000/2500/2080/1700.
2. Insert the memory stick, in which the version upgrade data is copied in the specified directory, to the memory stick connector on the AT-167 board.
3. Set switch S401 (upper switch) located near the edge of the AT-167 board to the “SD” side.
4. Set switch S402 (lower switch) to the “ADV” side and while keeping its position, turn on the power.
5. When the memory stick access LED has changed from red to green, release switch S402.
6. The green LED of MAIN-POWER of HDCU2000/2500/2080/1700 blinks for about 15 seconds and then lights.
7. Set switch S401 back from the “SD” side to the original position.
8. Turn off the power and turn it back on to start with the new software.

## &lt; PLD &gt;

Refer to the service manual section 1-13, and write the data in the PLD on each board.

## ▪ Note

The PLD internal data on the SDP-17 board is written or rewritten via the CN3/AVP-15 board. Rewrite the data with the tools with switch S1-8 on the AVP-15 board turned on. After it is rewritten, return switch S1-8 on the AVP-15 board to off.

**[Confirmation]**

Check the ROM version with the CHARACTER output or the MONITOR output. (This page shows the ROM names, therefore, the ROM name “HDCU2000” is displayed for both HDCU2000 and HDCU2500.)

*ROM Version*	
CHU	
CCU	HDCU2000
	1.40 12.12.18

## &lt; PLD version &gt;

Check each of the PLD version name with the CHARACTER output or the MONITOR output.

Firmware	V1.40 (Updated)
PLD	AT-167 V4.00
	SDP-17 V1.20
	AVP-15 V1.11
	DTX-9 V1.40 (Updated)
	DRX-9 V1.21
	RC-105 V1.40 (Updated)