

Sony Corporation

No. HDVM09-027-TN

Technical News

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Subject: Software Version Upgrade [Ver2.00 (AT-167 Board)]

Applicable Model(s) (Destination)	Serial Number(s)	Number of Unit(s)
HDCU1000//ULCED	400001 - 400247	247
HDCU1000//ULCED	410001 - 410243	243
HDCU1000/L CED	40001 - 40013	13
HDCU1000/L J2	32001 - 32009	9
HDCU1000/L UC5	10001 - 10060	60
HDCU1000/L1 CED	41001 - 41085	85
HDCU1000/L1 J2	32031 - 32036	6
HDCU1000/L1 UC5	11001 - 11112	112
HDCU1000/L2 CED	42001 - 42008	8
HDCU1000/L2 CED	42011 - 42125	115
HDCU1000/L2 J2	34001 - 34003	3
HDCU1000/L2 J2	34014 - 34015	2
HDCU1000/L2 J2	34026 - 34030	5
HDCU1000/L2 UC5	12001 - 12453	453
HDCU1000/L2 UC5	13001 - 13183	183
HDCU1000/L3 UC5	14001 - 14874	874
HDCU1000/T E3	50001 - 50005	5
HDCU1000/T J2	30001 - 30035	35
HDCU1000/T1 J2	31001 - 31020	20
HDCU1000/T2 J2	32001 - 32030	30
HDCU1000/T2 J2	32037 - 32056	20
HDCU1000/T2 J2	33001 - 33102	102
HDCU1000/T3 J2	34004 - 34013	10
HDCU1000/T3 J2	34016 - 34025	10
HDCU1000/T3 J2	34031 - 34056	26
HDCU1080/L CNB	50001 - 50075	75
HDCU1080/L1 CNB	51001 - 51022	22
HDCU1080/L1 CNB	51039 - 51058	20
HDCU1080/L1 CNB	51064 - 51073	10
HDCU1080/L1 CNB	51079 - 51103	25
HDCU1080/L2 CNB	52011 - 52045	35
HDCU1080/L2 CNB	52051 - 52055	5
HDCU1080/L2 CNB	52061 - 52115	55
HDCU1080/L2 CNB	52141 - 52145	5
HDCU1080/L2 CNB	52151 - 52160	10
HDCU1080/L2 CNB	52171 - 52180	10
HDCU1080/L2 CNB	52191 - 52249	59
HDCU1080/T CNB	51023 - 51038	16
HDCU1080/T CNB	51059 - 51063	5
HDCU1080/T CNB	51074 - 51078	5
HDCU1080/T1 CNB	52001 - 52010	10
HDCU1080/T1 CNB	52046 - 52050	5
HDCU1080/T1 CNB	52056 - 52060	5
HDCU1080/T1 CNB	52116 - 52140	25

Applicable Model(s) (Destination)	Serial Number(s)		Number of Unit(s)
HDCU1080/T1 CNB	52146	- 52150	5
HDCU1080/T1 CNB	52161	- 52170	10
HDCU1080/T1 CNB	52181	- 52190	10
HDCU1500//ULCED	400001	- 401019	1019
HDCU1500/L SYL	10001	- 10025	25
HDCU1500/L1 SYL	11001	- 11089	89
HDCU1500/L2 SYL	12001	- 12017	17
HDCU1500/L2 SYL	12021	- 12309	289
HDCU1500/L2 SYL	13001	- 13855	855
HDCU1500/T J4	30001	- 30015	15
HDCU1500/T1 J4	31001	- 31005	5
HDCU1500/T1 J4	31011	- 31060	50
HDCU1500/T2 J4	32001	- 32140	140
HDCU1500/T2 J4	33001	- 33266	266
HDCU1500/T2 SY3	33267	- 33303	37

[Description]

Software has been version upgraded. (Ver2.00 AT-167 Board)

When supporting the DRX-5A board and the AVP-6A board, upgrade the firmware.

[Change Points]

1. The system LSI IC999 (CXD9223GG: referred as Procyon-V) mounted on the DRX-5A board is supported. When inserting the DRX-5A board of **HKCU1005/3** in a CCU with affected serial number, update the software to V2.00. It can be used together with the DRX-5 board (“ZXCV” is mounted)

Note: In the combination of the software up to V1.20 and the DRX-5A board, the horizontal position of characters is displayed with being shifted when set as follows.

- In case that the format is set to 1080 / 23.98 PsF and the frame convert delay is set to 1.2 frames (Factory setting: 1.6 frames) in the CCU menu

2. The forcible LEGACY mode select switch (S5), which is added to the board panel of AVP-6A board, is supported. When remote-operating via network, if an error occurs in a hub, it is used as an emergency switch. Normally, the switch is set to the NETWORK/LEGACY position and functions in the communication mode set in the CCU menu. When this switch is set to the LEGACY position, the communication with the network is disconnected and the unit communicates forcibly with the RCP connected to the CNU/RCP terminal on the rear of CCU in the LEGACY mode.

Note: In the combination with the software up to V1.20 and the AVP-6A board, the forcible LEGACY mode select switch (S5) does not function.

3. The MIC2 GAIN pin assignment of MIC REMOTE connector input on the rear of CCU is changed in MIC GAIN1/2 independence mode. When changing settings of pin 12, pin 13 and pin 14 from the ASPECT REMOTE function to the MIC2 GAIN REMOTE function, the pin assignment becomes as follows.

MIC REMOTE connector

In case of ASPECT REMOTE function	In case of MIC2 GAIN REMOTE function
12 pin: ASPECT REMOTE ON/OFF	MIC2 GAIN CONTROL2
13 pin: ASPECT CONTROL1	MIC2 GAIN CONTROL1
14 pin: ASPECT CONTROL2	MIC2 GAIN CONTROL0

The above input pins function as MIC2 GAIN CONTROL pins in the MIC GAIN1/2 independence mode.

CONTROL2	CONTROL1	CONTROL0	MIC2 GAIN
H	H	H	60dB
H	H	L	50dB *
H	L	H	40dB *
H	L	L	30dB
L	H	H	20dB

In the version of up to V1.20, the pin assignment of pin 13 (MIC2 GAIN CONTROL1) and pin 14 (MIC2 GAIN CONTROL0) is reversed.

[Parts Required]

1. Memory Stick

Use a memory stick for upgrading. Prepare any of following memory sticks below.

Even if a memory stick used for other usage can be used if it has an open capacity of more than 2 MB.

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

2. PC Interface Adapter

The following adapters for copying the data from PC to a memory stick are provided.

- * PCMCIA card adapter MSAC-PC2N
- * Floppy disk adapter MSAC-FD2MA
- * USB supported reader/writer MSAC-US2

Or a VAIO computer equipped with a slot for a memory stick

3. Data for version upgrade

(1) Obtain V2.00 for HDCU1000/HDCU1500/HDCU1080 AT board.

hdcu1000.rom (ROM data, binary file)

(2) Make the directory described below in a Memory Stick, and copy the files in (1) to there.

Type the directory name in capital letters. Even if you type in capital letters, only the first character is displayed in capital letter on the Windows.

¥MSSONY¥PRO¥CAMERA¥HDCU1000 (Type in capital letters.)

* Please contact to your local Sony's Service office to obtain the file.

[Version Upgrade Procedure]

1. Turn off the power of the HDCU1000 / HDCU1500 / HDCU1080.
2. Insert the memory stick containing the version upgrade data in the memory stick connector on the AT-167 board.
3. Set the switch S401 (Located at the upper side) at the end of AT-167 board to "SD".
4. Turn on the power while turning the switch S402 (Located at the lower side) on the same board to "ADV".
5. When the memory stick access LED changes from red lighting to green lighting, release the hand off S402.
6. After the green LED of the MAIN POWER of the HDCU1000 / HDCU1500 / HDCU1080 blinks for about 15 seconds, it lights.
7. Return the switch S401 from SD to the original position.
8. Turn on the power again. Then, the new software starts up.

[Confirmation/ Adjustment after Version Upgrade]

Confirm the ROM version in the CHARACTER output or the MONITOR output.

The following display shows the ROM name.

Therefore, even if the model is “HDCU1500” / “HDCU1080”, “HDCU1000” is displayed as ROM name.

ROM Version	
CHU	
CCU	HDCU1000
2.00	09.01.15