

HCD-X1V

SERVICE MANUAL



Ver. 1.0 2006.07

US Model
Canadian Model
AEP Model
UK Model



- HCD-X1V is the amplifier, super audio CD/DVD system, tuner and video section in DAV-X1V.

This system incorporates with Dolby® Digital and Dolby Pro Logic (II) adaptive matrix surround decoder and the DTS® Digital Surround System.

This system perfectly decodes 5.1 channel signal, but you cannot add other commercially available surround speakers.

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- Manufactured under license from Digital Theater Systems, Inc. "DTS" and "DTS Digital Surround" are registered trademarks of Digital Theater Systems, Inc.

AUDIO POWER SPECIFICATIONS for the US model POWER OUTPUT APO TOTAL RAUMONBC DOTT DITION OPTC Output Power:

Front: 50 W/60 W (4 chs) at
100 Hz, 10 % THD
0.7 % THD
Front increased: 50 W/60 W
4 chs at 100 Hz, 10 % THD,
0.7 % THD
Retroactive: 50 W/60 W
4 chs at 100 Hz, 10 % THD,
0.7 % THD

Amplifier section

Power output (rated): 10 W + 10 W (4 chs),
1 kHz, 1 % THD

RMS output power (reference): 10 W + 10 W (4 chs),
1 kHz, 10 % THD

Power increased* Power output (rated): 10 W + 10 W (4 chs),
1 kHz, 1 % THD

RMS output power (reference): 10 W + 10 W (4 chs),
1 kHz, 10 % THD

Subwoofer Power output (rated): 10 W + 10 W (4 chs),
100 Hz, 1 % THD

RMS output power (reference): 10 W + 10 W (4 chs),
100 Hz, 10 % THD

* Depending on the sound field setting and the source, there may be no rated output.

Model Name Using Similar Mechanism	NEW
DVD Mechanism Type	CDMB9EH
Optical Pick-up Block Name	KHM-310CAB or KHM-313CAB

SPECIFICATIONS

Input (Audio)

VIDEO 1, VIDEO 2, TV, AUDIO IN

Search/stop: 400 mV (A.T.T.
0.1%), 100 mV (A.T.T. 0.1%)
Impedance: 50 kΩ (min)

Inputs (Digital/Optical)

VIDEO 1, VIDEO 2

Impedance: 75 Ω (min)

Super Audio CD/DVD system

Search/stop/stop (Super Audio CD/DVD):
1/4 ~ 0.5 sec
(CD-R, R, TPO, R, R)
Random access/stop:
0.5 sec

Digital tuner system

For North American models:

For European models: HYPERAL

Tuner section

System: PLL-locked digital
system/tuner system

FM tuner section

Tuning range

For North American models:

For European models: 87.5 ~ 108.5 MHz
(100 kHz step)
87.5 ~ 108.5 MHz
(50 kHz step)

Antenna (external)

Antenna (external) terminals: FM, AM, antenna (external)
Tuning range: 100 kHz step

Subcarrier frequency

100 kHz

— Continued on next page —

SUPER AUDIO CD/DVD RECEIVER

SONY®

Sony Hcd X1v Service Manual

Sabine Zange



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