

HCD-DZ10

SERVICE MANUAL



Ver. 1.2 2006.09

AEP Model
UK Model
E Model



HCD-DZ10 is the amplifier, DVD/CD and tuner section in DAV-DZ10.

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

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

Model Name Using Similar Mechanism	HCD-DZ100
Mechanism Type	CDM85-DV8U 102
Optical Pick-up Name	KHM-310GAA

SPECIFICATIONS

Amplifier section

Stereo mode (rated) 50 W + 50 W (3 ohms at 1 kHz, 1 % THD)

Surround mode (reference) RMS output power, 10 % THD

Front: 67 W + 67 W (with SS-TS60)

Center*: 67 W (with SS-CT34)

Surround*: 67 W + 67 W (with SS-TS61)

Subwoofer*: 65 W (with SS-W334)

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

Inputs

KU, E12 models:
TV/VCR (AUDIO IN) Sensitivity: 250 mV
Impedance: 50 kilohms

AEP, UK models:
TV Sensitivity: 450 mV
Impedance: 50 kilohms

DVD system

Laser

Semiconductor laser
(DVD: $\lambda = 650 \text{ nm}$)
(CD: $\lambda = 780 \text{ nm}$)

Emission duration:
continuous

FORMATS

Signal format system

Frequency response (at 20 °C) C15 STEREO mode)
DVD (PCM): 2 Hz to 22 kHz (at 0 dB)
CD: 2 Hz to 20 kHz (at 0 dB)

Harmonic distortion Less than 0.03 %

Tuner section

System

PLL, quartz-locked digital synthesizer system

FM tuner section

Frequency response 87.5 – 108.0 MHz (50 kHz step)

Antenna (external) FM 5-wire antenna (serial)

Antenna (external) to antenna 75 ohms, unbalanced

Intermediate frequency 10.7 MHz

AM tuner section

Tuning range

530 – 1,710 kHz (with the interval set at 9 kHz)
531 – 1,600 kHz (with the interval set at 9 kHz)

Antenna (serial)

Intermediate frequency

450 kHz

Video section

Outputs

KU, E12 models:
VIDEO: 1 V_{pp} 75 ohms
S VIDEO:
Y: 1 V_{pp} 75 ohms
C: 0.285 V_{pp} 75 ohms
COMPONENT:
Y: 1 V_{pp} 75 ohms
Pb/Cb, Pr/Cr: 0.7 V_{pp} 75 ohms
AEP, UK models:
Video: 1 V_{pp} 75 ohms
S/Cb: 0.7 V_{pp} 75 ohms

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DVD RECEIVER

SONY

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