

HCD-DH3/DH5BT/DH7BT

SERVICE MANUAL



Ver. 1.3 2008.03

- HCD-DH3 is the amplifier, USB, disc player and tuner section in CMT-DH3.
- HCD-DH5BT is the amplifier, bluetooth, USB, disc player and tuner section in CMT-DH5BT.
- HCD-DH7BT is the amplifier, bluetooth, disc player and tuner section in CMT-DH7BT.

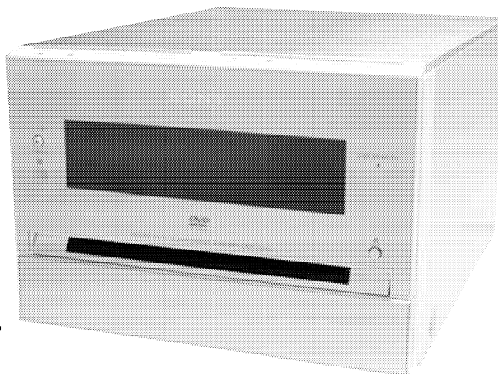


Photo: HCD-DH3

US Model
HCD-DH7BT

Canadian Model
HCD-DH5BT

AEP Model

E Model

Australian Model

Chinese model
HCD-DH3/DH5BT

- This system incorporates Dolby* Digital and the DTS** Digital Surround System.
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Model Name Using Similar Mechanism	NEW
DVD Mechanism Type	CDM86-DVBU101
Optical Pick-up Block Name	KHM-313CAB

SPECIFICATIONS

— HCD-DH7BT —

AUDIO POWER SPECIFICATIONS POWER OUTPUT AND TOTAL HARMONIC

DISTORTION:

With 6 ohm loads, both channels driven, from 120 – 10,000 Hz; rated 50 watts per channel minimum RMS power, with no more than 10% total harmonic distortion from 250 milliwatts to rated output.

Amplifier section

DIN power output (rated):

Except Chinese model:
40 W + 40 W (6 ohms at 1 kHz, DIN)
Chinese model:

35 W + 35 W (6 ohms at 1 kHz, DIN)

Continuous RMS power output (reference):

Except Chinese model:
50 W + 50 W (6 ohms at 1 kHz, 10% THD)
Chinese model:

45 W + 45 W (6 ohms at 1 kHz, 10% THD)

Inputs:

AUDIO IN (stereo mini jack):

Voltage 620 mV, impedance 47 kilohms

MIC (mini jack) (HCD-DH3/DH5BT):

Sensitivity 0.8 mV, impedance 10 kilohms

⚡ (USB) port (HCD-DH3/DH5BT):

Type A, maximum current 500 mA

Outputs:

DIGITAL OUT (square optical connector jack):

Wavelength 660 nm

VIDEO OUT (phono jack):

Max. output level 1 Vp-p, unbalanced, Sync. negative load impedance 75 ohms

COMPONENT VIDEO OUT:

Y: 1 Vp-p, 75 ohms

PB/CB: 0.7 Vp-p, 75 ohms

PR/CR: 0.7 Vp-p, 75 ohms

S VIDEO OUT (4-pin/mini-DIN jack):

Y: 1 Vp-p, unbalanced, Sync. negative

C: 0.286 Vp-p, load impedance 75 ohms

PHONES (stereo mini jack):

accepts headphones of 8 ohms or more

Bluetooth section (HCD-DH5BT/DH7BT)

Communication system:

Bluetooth Standard version 2.0

Output:

Bluetooth Standard Power Class 2

Maximum communication range:

Line of sight approx. 10 m¹⁾

Frequency band:

2.4 GHz band (2.4000 GHz – 2.4835 GHz)

Modulation method:

FHSS

Compatible Bluetooth profiles²⁾:

A2DP (Advanced Audio Distribution Profile)

AVRCP (Audio Video Remote Control Profile)

Supported codecs:

Receive: SBC (Sub Band Codec), MP3

Transmit: SBC (Sub Band Codec)

¹⁾The actual range will vary depending on factors such as obstacles between devices, magnetic fields around a microwave oven, static electricity, reception sensitivity, antenna's performance, operating system, software application, etc.

²⁾Bluetooth standard profiles indicate the purpose of Bluetooth communication between devices.

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DVD RECEIVER

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