

HCD-EC55/EC77/GX99

SERVICE MANUAL

Ver. 1.2 2007.07



Photo : HCD-EC55 (E model)

- HCD-EC55 (US and Canadian models) and HCD-EC77/GX99 (US and Canadian models) are the Amplifier, CD player and Tuner section in MHC-EC55/EC77/GX99.
- HCD-EC55 (Except US and Canadian models) and HCD-EC77/GX99 (Except US and Canadian models) are the Amplifier, CD player, Tape Deck and Tuner section in MHC-EC55/EC77/GX99.

US Model
Canadian Model
 HCD-EC55/EC77/GX99
AEP Model
 HCD-EC55/EC77
UK Model
 HCD-EC55
E Model
Australian Model
 HCD-EC55/EC77

CD Section	Model Name Using Similar Mechanism	NEW
	Base Unit Name	BU-K6SD90-WCD
TAPE Section	Optical Pick-up Name	KSM-213DCP
	Model Name Using Similar Mechanism	NEW
	Tape Transport Mechanism Type	CS-21SC-901TP

SPECIFICATIONS

Main unit

AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION (HCD-GX99, HCD-EC77 The United States model only)

Low channel

With 8 ohm loads, both channels driven, from 120 ~ 10,000 Hz, 50 watts per channel minimum RMS power, with no more than 0.7% total harmonic distortion from 250 milliwatts to rated output.

High channel

With 8 ohm loads, both channels driven, from 2,000 ~ 15,000 Hz, 50 watts per channel minimum RMS power, with no more than 0.7% total harmonic distortion from 250 milliwatts to rated output.

AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION (HCD-EC55 The United States model only)

With 8 ohm loads, both channels driven, from 120 ~ 10,000 Hz, 45 watts per channel minimum RMS power, with no more than 0.7% total harmonic distortion from 250 milliwatts to rated output.

Amplifier section

HCD-GX99

Power speaker

RMS output power (continuous)

Low channel

45 W + 45 W (per channel at 8 Ω, 1 kHz, 1% THD)

High channel

45 W + 45 W (per channel at 8 Ω, 1 kHz, 1% THD)

Subwoofer

RMS output power (continuous)

150 W (at 8 Ω, 80 Hz, 10% THD)

HCD-EC77

North American model

RMS output power (continuous)

Low channel

45 W + 45 W (per channel at 8 Ω, 1 kHz, 1% THD)

High channel

45 W + 45 W (per channel at 8 Ω, 1 kHz, 1% THD)

European and Russian models

Power output (rated)

Low channel

45 W + 45 W (at 8 Ω, 1 kHz, 1% THD)

High channel

45 W + 45 W (at 8 Ω, 1 kHz, 1% THD)

RMS output power (continuous)

Low channel

45 W + 45 W (per channel at 8 Ω, 1 kHz, 1% THD)

High channel

45 W + 45 W (per channel at 8 Ω, 1 kHz, 1% THD)

Other models

The following are measured at AC 120, 227, 230, 240 V, 50/60 Hz

Power output (rated)

Low channel

50 W + 50 W (at 8 Ω, 1 kHz, 1% THD)

High channel

50 W + 50 W (at 8 Ω, 1 kHz, 1% THD)

RMS output power (continuous)

Low channel

50 W + 50 W (per channel at 8 Ω, 1 kHz, 1% THD)

High channel

50 W + 50 W (per channel at 8 Ω, 1 kHz, 1% THD)

HCD-EC55

North American model

RMS output power (continuous)

45 W + 45 W (per channel at 8 Ω, 1 kHz, 1% THD)

European and Russian models

Power output (rated) 45 W + 45 W (at 8 Ω, 1 kHz, 1% THD)

RMS output power (continuous)

45 W + 45 W (per channel at 8 Ω, 1 kHz, 1% THD)

Other models

The following are measured at AC 120, 227, 230, 240 V, 50/60 Hz

Power output (rated) 45 W + 45 W (at 8 Ω, 1 kHz, 1% THD)

RMS output power (continuous)

45 W + 45 W (per channel at 8 Ω, 1 kHz, 1% THD)

Inputs

AUDIO IN (stereo mini jack): Sensitivity 800 mV, impedance 47 kΩ±50%

Outputs

SPEAKERS (stereo mini jack): Accepts headphones with an impedance of 8 Ω or more

SPEAKER: Accepts impedance of 8 to 8 Ω

SLURBACERB OUT (HCD-GX99 only)

CD player section

System: Compact disc and digital audio system

Laser: Semiconductor laser Qx779 ~ 820 nm

Rotational duration: continuous

Frequency response: 20 Hz ~ 20 kHz

Signal-to-noise ratio: More than 90 dB

Dynamic range: More than 80 dB

Tape deck section (Except for North American model)

Recording system: 4-track, 2-channel, stereo

Tuner section

FM section, FM/AM superheterodyne tuner

Antenna:

FM: loop antenna

AM: long antenna

FM tuner section:

Tuning range

North American model: 87.5 ~ 108.0 MHz (100 MHz step)

Other models: 87.5 ~ 108.0 MHz (100 MHz step)

Intermediate frequency: 10.7 MHz

— Continued on next page —

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