

CDX-GT50W/GT500/ GT500EE/GT550

SERVICE MANUAL

Ver. 1.0 2005. 12



Photo: CDX-GT500

US Model

CDX-GT50W/GT500

Canadian Model

AEP Model

UK Model

CDX-GT500

E Model

CDX-GT550

East European Model

CDX-GT500EE

Chinese Model

CDX-GT550

• The tuner and CD sections have no adjustments.

AUDIO POWER SPECIFICATIONS (US Model)

POWER OUTPUT AND TOTAL HARMONIC DISTORTION
20.2 watts per channel minimum continuous average power into 4 ohms, 4 channels driven from 20 Hz to 20 kHz with no more than 5% total harmonic distortion.

Model Name Using Similar Mechanism	CDX-A250A/250EE
CD Drive Mechanism Type	MG-611WA-186VQ
Optical Pick-up Name	KSS1000E

SPECIFICATIONS

CD player section

Signal-to-noise ratio: 120 dB
Frequency response: 10 – 20,000 Hz
Wow and flutter: Below measurable limit

Tuner section

FM

Tuning range: CDX-GT50W/GT500: US/Canadian model
87.5 – 107.9 MHz
CDX-GT500: AEP/UK model
87.5 – 108.0 MHz
CDX-GT500EE:
FM1/FM2: 87.5 – 108.0 MHz (at 50 kHz step)
FM3: 65 – 74 MHz (at 30 kHz step)
CDX-GT500:
87.5 – 108.0 MHz (at 50 kHz step)
87.5 – 107.9 MHz (at 200 kHz step)

FM tuning interval (CDX-GT550 only):

50 kHz/200 kHz switchable
Antenna terminal:
Intermediate frequency: 10.7 MHz/450 kHz
Usable sensitivity: 9 dBm
Selectivity: 75 dB at 400 kHz
Signal-to-noise ratio: 67 dB (stereo), 59 dB (mono)

Harmonic distortion at 1 kHz:

0.5 % (stereo), 0.3 % (mono)

Separation: 35 dB at 1 kHz

Frequency response: 30 – 15,000 Hz

AM (CDX-GT50W/GT500: US, Canadian model/GT500EE/GT550)

Tuning range: CDX-GT50W/GT500: US, Canadian model:

530 – 1,750 kHz
CDX-GT500EE:
531 – 1,602 kHz
CDX-GT550:
531 – 1,602 kHz (at 9 kHz step)
530 – 1,750 kHz (at 30 kHz step)

AM tuning interval (CDX-GT550 only):

9 kHz/30 kHz switchable

Antenna terminal:
Intermediate frequency: 10.7 MHz/450 kHz

Sensitivity: 30 μ V

MW/LW (CDX-GT500: AEP/UK model)

Tuning range: MW: 531 – 1,602 kHz

LW: 153 – 279 kHz

Antenna terminal:
Intermediate frequency: 10.7 MHz/450 kHz

Sensitivity: MW: 30 μ V, LW: 40 μ V

— Continued on next page —

FM/AM COMPACT DISC PLAYER
CDX-GT50W/GT500: US, Canadian MODEL/GT500EE/GT550
FM/MW/LW COMPACT DISC PLAYER
CDX-GT500: AEP, UK MODEL

Sony Gt500 Manual

Adam Barnes, James Sheppard



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