

# HCD-GRX10AV/RX110AV

## SERVICE MANUAL



Photo: HCD-GRX10AV

*Canadian Model*  
*AEP Model*  
*UK Model*  
 HCD-RX110AV  
*E Model*  
*Australian Model*  
 HCD-GRX10AV

HCD-GRX10AV/RX110AV is the tuner, deck, CD and amplifier section in MHC-GRX10AV/RX110AV.

This entire system is equipped with the Dolby B type noise reduction system and Dolby Bass Logic Surround Decoder.\*

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CD SECTION	Model Name Using Similar Mechanism	HCD-H991AV
	CD Mechanism Type	CDM38LH-58029AL/ CDM38LH-58029AL
	Base Unit Type	BU-58029AL
	Optical Pick-up Type	KSS-213DQ-NP
TAPE DECK SECTION	Model Name Using Similar Mechanism	NEW
	Tape Transport Mechanism Type	TCM-230AWR 1/230PWR 1

### SPECIFICATIONS

#### Amplifier section

##### HCD-RX110AV (Canadian model):

###### Front Speaker:

Continuous RMS power output (reference)  
 120 + 120 watts  
 (8 ohms at 1 kHz,  
 10% THD)

Total harmonic distortion less than 0.007%  
 (8 ohms at 1 kHz, 80 W)

###### Center Surround Speaker:

Continuous RMS power output (reference)  
 25 watts  
 (8 ohms at 1 kHz,  
 10% THD)

###### Rear Surround Speaker:

Continuous RMS power output (reference)  
 12.5 + 12.5 watts  
 (16 ohms at 1 kHz,  
 10% THD)

##### HCD-RX110AV (European and Russian model):

###### Front Speaker:

120 + 120 watts  
 (8 ohms at 1 kHz, 10%)

Continuous RMS power output (reference)  
 120 + 120 watts  
 (8 ohms at 1 kHz,  
 10% THD)

###### Music power output (reference)

80 + 80 watts  
 (8 ohms at 1 kHz,  
 10% THD)

###### Center Surround Speaker:

DOLBY power output (rated) 25 watts  
 (8 ohms at 1 kHz, 10%)

Continuous RMS power output (reference)  
 25 watts  
 (8 ohms at 1 kHz,  
 10% THD)

###### Music power output (reference)

40 + 40 W  
 (16 ohms at 1 kHz,  
 10% THD)

###### Rear Surround Speaker:

DOLBY power output (rated) 10 + 10 watts  
 (16 ohms at 1 kHz, 10%)

Continuous RMS power output (reference)  
 12.5 + 12.5 watts  
 (16 ohms at 1 kHz,  
 10% THD)

###### Music power output (reference)

20 + 20 watts  
 (16 ohms at 1 kHz,  
 10% THD)

##### HCD-GRX10AV (Other model):

The following waveform at A/C 120, 220, 240 V  
 50/60 Hz

###### Front Speaker:

DOLBY power output (rated) 100 + 100 watts  
 (8 ohms at 1 kHz, 10%)

Continuous RMS power output (reference)  
 120 + 120 watts  
 (8 ohms at 1 kHz,  
 10% THD)

###### Center Surround Speaker:

DOLBY power output (rated) 20 watts  
 (8 ohms at 1 kHz, 10%)

###### Continuous RMS power output (reference)

25 watts  
 (8 ohms at 1 kHz,  
 10% THD)

###### Rear Surround Speaker:

DOLBY power output (rated) 10 + 10 watts  
 (16 ohms at 1 kHz, 10%)

Continuous RMS power output (reference)  
 12.5 + 12.5 watts  
 (16 ohms at 1 kHz,  
 10% THD)

###### Peak music power output (reference)

2000 + watts

###### Inputs

VIDEO IN:  
 (phone-jack)  
 VIDEO IN:  
 (phone-jack)  
 MIX MONO (phone-jack)

###### Outputs

SAFETY OUT:  
 (phone-jack)  
 PHONO IN:  
 (phone-jack)  
 FRONT SPEAKER:  
 (phone-jack)

Impedance 10 kilohms

voltage 250 mV

Impedance 10 kilohms

voltage 250 mV

Impedance 10 kilohms

voltage 250 mV

Impedance 10 kilohms

voltage 250 mV

Impedance 10 kilohms

voltage 250 mV

— Continued on next page —

## COMPACT DISC DECK RECEIVER

# SONY®



# Sony Hcd Grx10av Rx110av Receiver Service Repair Manual

**Robert R. Redfield**



## **Sony Hcd Grx10av Rx110av Receiver Service Repair Manual:**

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