

HCD-451

SERVICE MANUAL



US Model
AEP Model
UK Model
Mexican Model

Dolby noise reduction manufactured under license from
Dolby Laboratories Licensing Corporation.
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SPECIFICATIONS

Amplifier

Overall output 120 W + 120 W (front, at rear / center
off at 1 kHz, 8 ohms)
15 W + 15 W (rear, at center off at 1
kHz, 8 ohms)
30 W (center, at rear off at 1 kHz, 8
ohms)
30 W (super woofer, at rear / center
off at 40 Hz, 8 ohms)
Harmonic distortion Less than 0.05% (at 1 kHz, 8 ohms,
load), front: 120 W + 120 W, rear/
center / super woofer off)
Frequency response FRONTS: BIA, curve
VIDEO 1/MD, VIDEO 2:
40 Hz - 50 kHz, ± 3 dB

Input

	Sensitivity	Impedance
PHONO	2.5 mV	50 kilohms
VIDEO 1/MD VIDEO 2	250 mV	50 kilohms

CD Section	Model Name Using Similar Mechanism	CCP-C231
	CD Mechanism Type	COM 1809
	Base Unit Name	BU-DB013
Tape deck Section	Model Name Using Similar Mechanism	HCD-241
	Tape Transport Mechanism Type	TOM-270W1

Output

VIDEO 1/MD: Voltage 250 mV, impedance 1 kilohm
FRONT SPEAKERS: Accept speakers of 8 - 16 ohms
REAR SPEAKERS: Accept speakers of 8 - 16 ohms
CENTER SPEAKERS: Accept speakers of 8 - 16 ohms
SUPER WOOFER SPEAKERS: Accept speaker of 4 - 16 ohms
HEADPHONES: Accept low and high impedance
Time buttons: BASO: Boost/cut range ± 7 dB (100
Hz)
TREBLE: Boost/cut range ± 7 dB (10
kHz)

Tuner

System FM stereo, FM/AM superheterodyne
tuner
Quartz-locked PLL digital
synthesizer system
FM tuner section
Tuning range 87.5 - 108 MHz
Antenna terminals 75 ohms unbalanced
500 ohms balanced
Intermediate frequency 53.7 MHz

- Continued on page 2 -



COMPACT DISC DECK RECEIVER
SONY

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Brendan G. Carr



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