

MiniDisc Deck

Operating Instructions



MDS-JE500
MDS-JE510

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Specifications

System	MiniDisc digital audio system
Disc	MiniDisc
Laser	Semiconductor laser ($\lambda = 780 \text{ nm}$) Emission duration: continuous
Laser output	Less than $44.6 \mu\text{W}^*$ * This output is the value measured at a distance of 200 mm from the objective lens surface on the Optical Pick-up Block with 7 mm aperture.
Laser diode properties	Material: GaAlAs
Revolutions (CLV)	400 rpm to 900 rpm
Error correction	Advanced Cross Interleave Reed Solomon Code (ACIRC)
Sampling frequency	44.1 kHz
Coding	Adaptive Transform Acoustic Coding (ATRAC)
Modulation system	EFM (Eight-to-Fourteen Modulation)
Number of channels	2 stereo channels
Frequency response	5 to 20,000 Hz $\pm 0.3 \text{ dB}$
Signal-to-noise ratio	Over 96 dB during playback
Wow and flutter	Below measurable limit

Inputs

	Jack type	Input impedance	Rated input	Minimum input
LINE (ANALOG) IN	Phono jacks	47 kilohms	500 mVrms	125 mVrms
DIGITAL IN	Square optical connector jack	Optical wave length: 660 nm	—	—

Outputs

	Jack type	Rated output	Load impedance
PHONES	Stereo phone jack	10 mW	32 ohms
LINE (ANALOG) OUT	Phono jacks	2 Vrms (at 50 kilohms)	Over 10 kilohms
DIGITAL OUT	Square optical connector jack	-18 dBm	Wave length: 660 nm

General

Power requirements	120 V AC, 60 Hz
Power consumption	19 W
Dimensions (approx.) (w/h/d) incl. projecting parts	430 x 93 x 280.5 mm (17 x 3 3/4 x 11 1/4 in.)
Mass (approx.)	3.5 kg (7 lbs 11 oz)

Supplied accessories See page 4.

Optional accessories

Recordable MDs: MDW-60 (60 min), MDW-74 (74 min)
Optical cable: POC-15A

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Design and specifications are subject to change without notice.