TASCAM ▶▶

CD-A500
Technical Documentation

PRODUCT OVERVIEW

TASCAM's CD-A500 brings together two popular consumer media formats in one very affordable and space conscious package. The CD player and cassette deck can act as totally separate units with individual outputs on the back panel, or the combination can be capitalized upon by using direct dubbing, long play (combo) capabilities, and an input-saving cascade output mode. Rear panel unbalanced (RCA) I/O connections and a wireless remote are standard. The CD-A500 is designed to be affordable, easy to use, and reliable.

MSRP $469.00

Integrated CD Player & Reversible Cassette Deck

3-U Rack Mount Design

± 12% Pitch Control on Cassette Deck

Return To Zero Function for Cassette Deck

Wireless Remote Control Included

Continuous Play function between Cassette & CD

Unbalanced RCA Analog I/O

Headphone Output with Level Control

Dolby B Noise Reduction on Cassette Mechanism

Shuffle and Program Play Modes for the CD Player

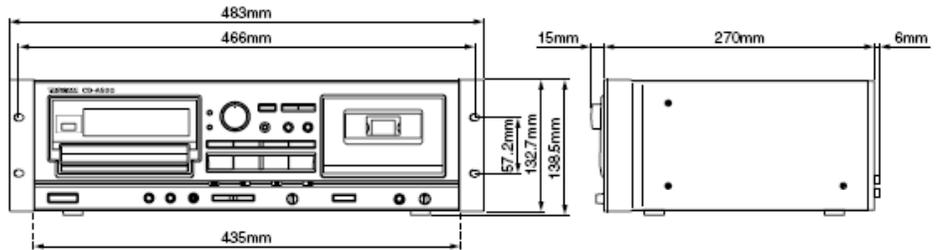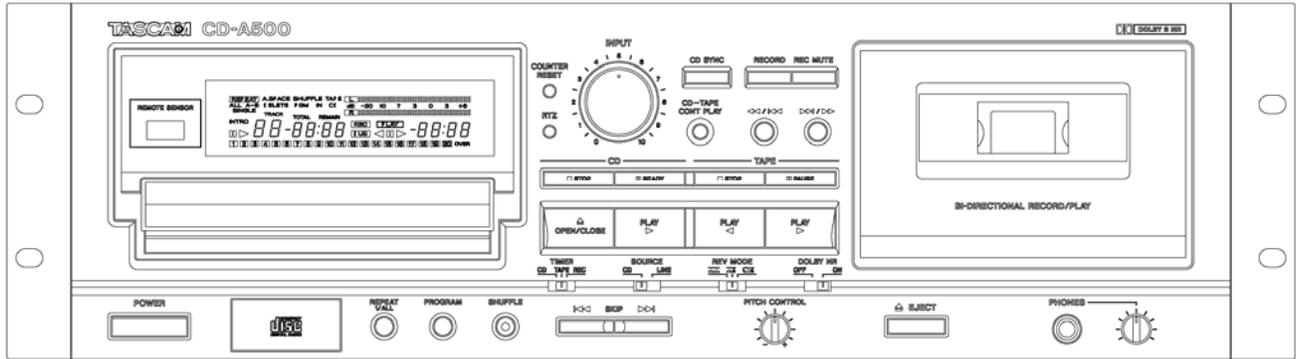## CONSULTANT'S AND SYSTEM DESIGN SPECIFICATIONS

The TASCAM CD-A500 is a 3U rack-mountable combination CD player, tray loaded mechanism, and cassette deck, two-head bi-directional player recorder. The unit offers the ability to record directly from the CD to the cassette; or, onto the cassette from an external source.

The cassette deck provides 12 +/- Pitch Control, Dolby B noise reduction, and its counter reset has an RTZ function.   Unbalanced I/O (on back) via RCA connectors with front input volume control.

The CD player offers Program Play, Shuffle Play, and allows continuous play of one or all tracks. Rear panel output is unbalanced RCA.

The combination provides power on play/record and includes a wireless remote (RC-A500).

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CD player section

Number of channels:	2
Frequency response:	10 - 20,000 Hz ± 0.5 dB
Signal-to-noise ratio:	90 dB
Dynamic range:	90 dB
Total harmonic distortion:	0.02% (1 kHz)
Wow and flutter:	Unmeasurable (quartz accuracy)
Channel separation:	75 dB
Output:	2 Vrms
Digital filter:	4-times oversampling
Analog filter:	3rd order

Cassette section

Track system: 4-track 2-channel stereo
Heads: Record/playback x 1 (rotaryreverse), erase x 1
Type of tape: Cassette tape C-60, C-90
Tape speed: 4.76 cm/sec. 1 7/8 ips, 4.76 cm/sec
Motor: DC servo motor x 1
Wow and flutter: 0.08% (W. RMS)
Frequency response (overall): 50 – 15,000 Hz ± 3 dB, metal
50 – 15,000 Hz ± 3 dB, chrome
50 – 14,000 Hz ± 3 dB, normal
Signal-to-noise ratio (overall): 59dB(DOLBYNRoff,3%THD level, weighted),
69 dB (DOLBY NR on, over 5 kHz)
Fast winding time: Approx. 120 sec. (with C-60)
Input: Line; 87 mV (input impedance of 50kohms or more)
Output: Line; 0.46 V (load impedance of 50kohms or more)
Headphones; 1 mV/8 ohms

General

Power requirements:	120/230 V AC, 50–60 Hz
	(U.S.A./Canada/General export model)
	230 V AC, 50 Hz (Europe/U.K. model)
	240 V AC, 50 Hz (Australia model)
Power consumption:	14 W
Dimensions (W x H x D):	483 x 133 x 270 mm (19" x 5-1/4" x10-5/8")
Weight:	6.4 kg (14.1 lbs.)