TASCAM®

The *First* Choice in A/V for Systems Integrators™

CD-A500

Technical Documentation

PRODUCT OVERVIEW

TASCAM's CD-A500 brings together the two most 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. RCA audio I/O connections and a wireless remote are standard.

- 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

APPLICATIONS

The CD-A500 is designed to be affordable, easy to use, and reliable.

Mobile Users - Live Production - Rehearsal Halls

The dual function, compact design will appeal to anyone who needs to change locations on a regular basis, or who has limited space to fit their gear into. The CD-A500 is an excellent primary playback device in basic set-ups. The convenience of a rack mountable CD player and cassette deck offer the power to play any media you are likely to receive from bandmates or clients, and still offers you a sturdy mechanism not found in consumer devices stuck on a rack tray. Plus, the ability to cascade the CD and cassette can save inputs on a mixer when you need it most.

Lecture Halls - Board Rooms - School PA

There are many situations where the person who needs to operate the equipment has little or no official training. The key for these people is to keep the operation of the unit straight forward, offer the features they need, and keep the advanced functions out of the recorder so these lesser understood features don't accidentally trip the user up. The CD-A500 is ideal for these situations.

DJs - Dance Studios - Health Clubs

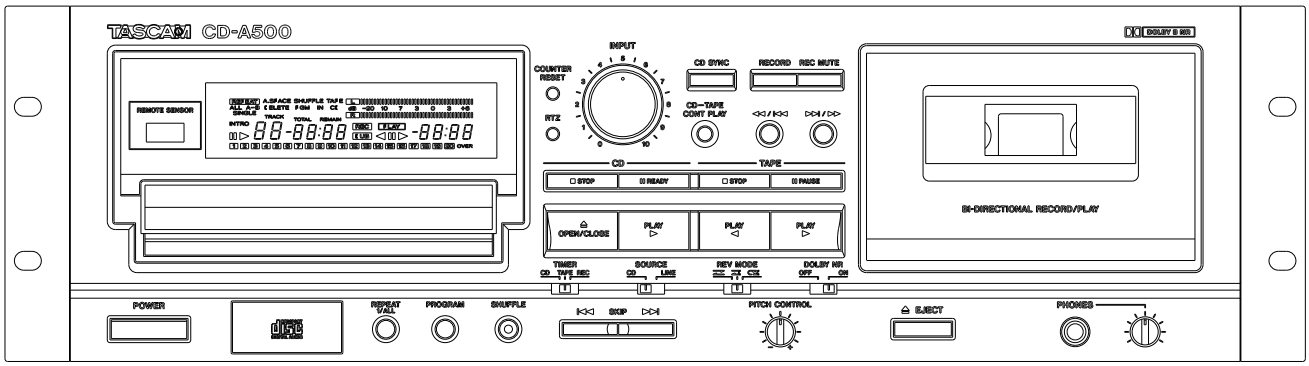
Anyone involved in dance or aerobic workouts knows the value of pitch control. The CD-A500 offers pitch control on the cassette deck. Pitch control can make the difference between having the tempo drag a bit and having the right punch. This is also great for transferring CDs to tape with the pitch adjusted for later performance where the users aren't fortunate enough to have this.

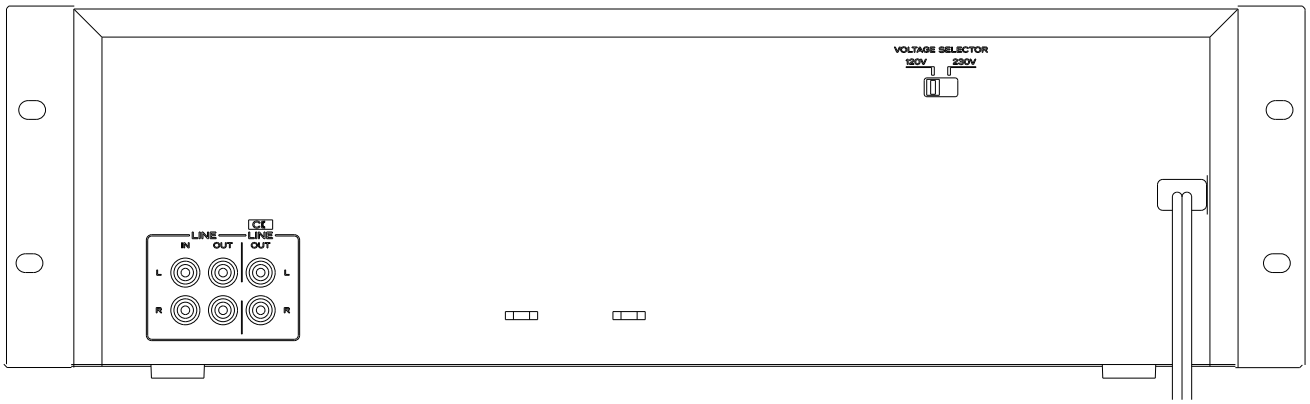
The CD-A500 is available at:

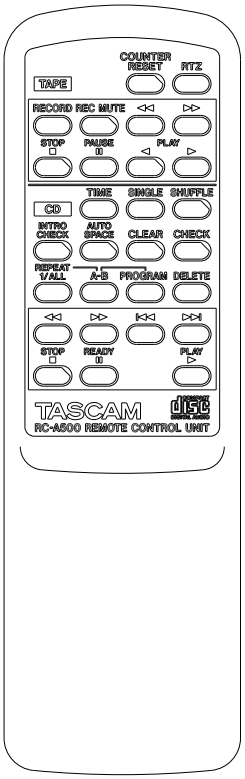
SPECIFICATIONS

CD Player Section:	
Frequency Response:	20Hz-20kHz ± 0.5dB
Signal to Noise Ratio:	>90dB
Total Harmonic Distortion:	<0.02% (1kHz)
Wow and Flutter:	Unmeasurable (Quartz Accuracy)
Channel Separation:	>75dB
Output RCA:	2Vrms
Digital Filter:	4-times oversampling
Analog Filter:	3rd order
Cassette Section:	
Track System:	4 track, 2 channel stereo
Heads:	Record/playback (Rotary Reverse) Erase
Type of Tape:	Cassette C-60, C-90
Tape Speed:	1 7/8 ips, 4.76 cm/sec
Pitch Control:	Approx ± 12%
Motor:	DC Servo Motor
Frequency Response:	50Hz-15kHz ± 3dB CrO2 50Hz-14kHz ± 3dB Normal
Signal to Noise Ratio:	>57dB Dolby off, 3% THD wtd >69dB Dolby on, over 5kHz
Wow and Flutter:	<0.08% (W RMS)
Fast Winding Time:	Approx 120 sec, C-60
Input RCA:	-9dBu, 50kOhms
Line Output RCA:	-4.5dBu, 400 Ohms
Headphone Output:	5mW, 32 Ohms
General:	
Power Requirements:	120/230V AC, 50-60Hz (US/Export) 230V AC, 50Hz (Europe Model) 240V AC, 50Hz (Australia Model)
Power Consumption:	14W
Dimensions:	483 x 138.5 x 270 mm 19" x 5 1/4" x 10 5/8"
Weight:	6.4Kg, 14.1 lbs.
Standard Accessories:	Wireless Remote (RC-A500) 2 x AA batteries, Rack mount screws

PANELS AND REMOTE







ARCHITECT'S SPECIFICATIONS

The CD player and cassette deck shall be combined into a single unit that can mount in three standard 19" rack spaces in height. The CD player shall be a single CD player with a power-tray loading mechanism. The cassette deck shall be a two head bi-directional player/recorder.

The CD player shall offer automated play modes, including Program Play and Shuffle Play, and shall also be capable of continuous play of one track, or all tracks.

The CD player and cassette mechanism shall offer the ability to record directly from the CD to the cassette. For increased dynamic range during recording, the cassette mechanism shall utilize switchable Dolby B noise reduction circuit.

The cassette mechanism shall offer a counter reset and a return to zero function.

Pitch control shall be provided on the cassette deck to approximately ± 12%, and adjustable from the front panel.

Analog outputs shall be provided on unbalanced RCA connectors for the CD player. A line output shall provide outputs for both the CD player and cassette deck on unbalanced RCA connectors. Line input for the cassette deck shall be provided on unbalanced RCA connectors.

The combo unit shall have a timer play function that engages a function when powered up. The available options shall be play CD, play tape and record tape.

The CD player and cassette deck combo unit shall be controllable with a TASCAM RC-A500 wireless remote. Dimensions shall be 19" x 5 1/4" x 10 5/8" (W x H x D).

Metric measurements: 483x138.5x270mm.

The CD player and cassette deck combo unit shall be a TASCAM CD-A500.

NOTE: This text is available in a standard text file on TASCAM's Sound Contractor CD-ROM.