

# TASCAM

## CD-500

### Ultra-compact CD Player



The CD-500 is an extremely compact CD player available as a standard or professional version. The slimline housing comprises a slot-loading drive with reliable brushless motor as well as a full set of functions ideal for small broadcast or recording studios, theatres, touring sound companies, fitness studios or any permanent installation.

Alongside the typical play and repeat modes, the player offers many functions for professional use, such as flash start, auto cue (search for beginning of track), auto ready (automatic pause at the end of a track), call (jump to the position at which playback was last started), pitch control ( $\pm 16\%$ ) including the opportunity to alter the tempo while retaining the key, intro-check or fade-in/fade-out. In order to be able to integrate into media control devices and into permanent installations, there is a relay play function, fader start or event start capability, EOM signal and a serial port. Furthermore, the device can resume playback after being switched on again and can remember a variety of operating conditions after being switched off.

The CD-500 has an unbalanced analogue output as well as optical and coaxial digital output.

#### Features at a glance

- Ultra-compact rack-mountable CD player (1U)
- Highly reliable brushless motor
- Slot-in CD drive mechanism
- Audio CD-R/RW, MP3 (192KBit/s) and WAV playback
- Flash start capability for up to 20 tracks
- Numeric keys for track selection and flash start
- Frame accurate search
- Call function (return to the point where playback last started)
- Skip back function (jump back a few seconds during playback)
- Auto cue, auto ready, intro check functions
- Resume function
- Index search for audio CDs
- Directory search for MP3 CDs
- Playback modes include Single, All and Program (up to 99 tracks)
- Memory for playback programs of up to 100 CDs
- Repeat modes include Single, All and A-B
- Selectable interval time between tracks
- $\pm 16\%$  pitch control with dedicated rotary encoder
- Key original function (change speed only)
- Fade in/out (up to 10 seconds, in 0.5-second steps)
- Time display (track elapsed / track remain / total remain)
- Power-on play (timer function)
- Relay play with multiple units
- Fader start / event start
- Lock function to avoid accidental operation
- Anti-shock memory
- RCA unbalanced analogue output
- Optical digital output (SPDIF)
- Coaxial digital output (SPDIF)
- Mono output
- Serial control (RS-232C, D-sub 9-pin)
- Headphones output with dedicated volume control
- Footswitch control of several functions via three pedals (with optional Tascam RC-3F)
- Last mode memory (Playback mode / Program / Repeat mode / Time display)
- End Of Message notification
- Backlit LC display
- Wireless remote control included (receiver can be disabled if required)
- Removable power cable

#### Specifications

<b>General</b>	
Compatible media	CD-DA, CD-ROM, CD-R/CD-RW (12 cm only)
Compatible CD formats	CD-DA, CD-ROM ISO9660 Level 1/2/ROMEO/JOLIET
Compatible file formats	Audio CD (CD-DA), MPEG1 Audio Layer III, WAV
MP3 playback specifications	Audio modes: Stereo, Joint stereo, Dual channel, Mono Sampling frequencies: 32, 44.1, 48 kHz Bit rates: 64, 128, 192, 256, 320 Kbit/s and VBR
WAV playback specifications	Sampling frequencies: 32, 44.1, 48 kHz Bit rate: 16 bit
Number of audio channels	2

<b>Audio outputs</b>	
Analog output (unbalanced)	RCA pin jack
Nominal output level	-10 dBV
Maximum output level	+6 dBV
Output impedance	Less than 1 k $\Omega$
Analog output	XLR-3-32 (1: GND 2: Hot 3: Cold)
Nominal output level	+4 dBu
Maximum output level	+20 dBu
Output impedance	150 $\Omega$
Phones output	6.3-mm stereo phone jack
Maximum output power	45 mW + 45 mW (1kHz, THD at 0.1%, 32 $\Omega$ loaded)
Digital output (Optical)	TOS (JEITA RC-5720C)
Format	IEC60958-3 (SPDIF)
Digital output (Coaxial)	RCA pin jack
Format	IEC60958-3 (SPDIF)
Digital output (AES/EBU)	XLR-3-32
Format	AES3-2003 / IEC60958-4 (AES/EBU)

<b>Other inputs and outputs</b>	
RELAY input/output	3.5 mm mini jack
RS-232C	D-sub, 9-pin
REMOTE	2.5 mm TRS jack (for Tascam RC-3F footswitch)
PARALLEL	D-sub, 15-pin

<b>Audio performance</b>	
Frequency response	20 Hz – 20 kHz, $\pm 0.5$ dB
THD + N	<0.005 %
S/N ratio	>95 dB
Channel separation	>95 dB

<b>Power supply and other specifications</b>	
Power supply	100–240 V AC, 50–60 Hz
Power consumption	11 W
Dimension (W x H x D)	483 mm x 45 mm x 301 mm
Weight	3.7 kg

Design and specifications subject to change without notice.

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