

TASCAM

CD-400UDAB

Media Player with Tuner and Bluetooth Receiver



The CD-400UDAB is a compact-sized, rack-mountable and remote-controllable media player that can play tracks from CDs, USB memory devices, SD cards and Bluetooth devices. It also includes an FM/DAB+ tuner with 20 presets to play music from radio stations and a front-panel mini-jack input to connect devices such as portable music players. The tuner has its own output enabling the user to supply two rooms with different music signals, for example.

Remote control is possible by the included wireless RC-CD400 and by serial control via the built-in RS-232C port. This all-in-one CD player is suitable for a wide range of applications, from background music in touring, restaurants or small stores to use in public facilities.

Details

Multiple playback sources from a compact unit



Play files from CDs, USB memory devices and SD cards

The CD-400UDAB is ideal for contractors where playback of a wide range of media and file formats is required. You can play audio CDs as well as audio files in WAV, MP3, AAC and WMA format stored on data CDs, USB memory devices or SD/SDHC cards. Playback modes (continuous, single and random) can also be combined with repeat playback to suit a wide range of situations.

Bluetooth® Wireless playback from Bluetooth® devices

Audio files can also be played from Bluetooth devices such as smartphones, tablets and portable music players. After a device has been connected for the first time, a wireless connection can be made quickly by simply pressing the pairing button. This enables easy playback of audio files without fussing with cables or file formats.



External input connector for other sources

A stereo mini AUX IN connector on the front panel enables the CD-400UDAB to play audio from portable music players not equipped with Bluetooth.



FM/DAB+ tuner to play your favourite radio stations

The CD-400UDAB includes an FM/DAB+ tuner with 20 FM and DAB+ presets each. An independent tuner output allows simultaneous playback with other media to supply different rooms, for example.

Dubbing from CD or tuner to USB memory or SD card

Audio from an audio CD or from the tuner can be dubbed to an SD/SDHC card or USB memory device using only the CD-400UDAB – no need for a computer! Just press the dubbing button and play the audio to start dubbing.

Locate to the beginning of the next track with Incremental Play

When the incremental play function is enabled, you can skip to the beginning of the next track by pressing the **PLAY** button on the unit or the remote control during playback. When you press

STOP during playback, the unit skips to the beginning of the next track and stands by. This is useful in situations such as presentations where tracks are not played to the end.

Balanced and unbalanced analogue outputs



The CD-400UDAB offers professional balanced outputs on XLR connectors apart from consumer unbalanced outputs on RCA connectors. By providing much better signal-to-noise ratio, balanced connections are indispensable when routing output signals over longer distances like in fixed installations.

Remote control via RS-232C and Telnet



This player includes an RS-232C serial connector for remote control by a media controller, for example. An Ethernet card (**IF-E100**) is available as an option to allow remote control through a network using Telnet.

Features at a glance

- Ultra-compact, rack-mountable media player with DAB+/FM tuner and Bluetooth receiver
- Multiple playback sources:
 - Audio CD playback
 - MP3 and WMA file playback from CD
 - Audio file playback from SD and USB memory (MP3, AAC, WAV, WMA)
 - DAB+/FM radio playback (can be output from the main or separate output connectors)
 - Playback via Bluetooth connection with a smartphone or computer
 - Playback from other audio sources via AUX IN connector
- CD standards supported: CD-DA, CD-ROM, CD-R, CD-RW (CD-DA format only)
- Slot-loading CD drive mechanism
- Numeric keys for direct track selection
- Playback modes include Continuous, Single, Random
- Repeat playback (All, Single, A-B)
- Incremental play (skip to each next track by pressing the PLAY button; available for CD, USB, SD)
- Resume function (start playback from the track where the unit was last stopped)

- Folder playback with SD and USB memory
- Dubbing from CD or tuner to SD or USB memory (MP3 format)
- Time display (track elapsed / track remain / total elapsed / total remain)
- Power-on play (timer function)
- Lock function to avoid accidental operation
- Anti-shock memory
- XLR balanced analogue output (main)
- RCA unbalanced analogue output (main)
- RCA unbalanced analogue output (tuner)
- Remote control via RS-232C serial connector (D-sub 9-pin)
- Optional Ethernet interface card (IF-E100) available for external control over a network (Telnet protocol)
- Headphones output with dedicated volume control
- Backlit LC display
- Wireless remote control included
- Included accessory: Removable mains power cable, RC-CD400 wireless remote control, rack-mounting screw kit, FM antenna, owner's manual with warranty

Options



IF-E100: Ethernet Control Card for CD-400UDAB

Specifications

General

Supported media	
USB memory	512 MB – 64 GB
SD card	512 MB – 2 GB
SDHC card	4–32 GB
CD	CD-DA, CD-ROM, CD-R, CD-RW (CD-DA format only)
Supported file systems	FAT16, FAT32
Supported file formats	
CD-DA	44.1 kHz, 16 bit
MP3	44.1 / 48 kHz, 32–320 kbit/s and VBR (MPEG1/2 Audio Layer 3)
WAV (USB/SD only)	44.1/48 kHz, 16 bit
WMA	44.1/48 kHz, 32–320 kbit/s and VBR (WMA v9 standard, DRM not supported)
AAC (USB/SD only)	44.1/48 kHz, 8–320 kbit/s and VBR (MPEG4 AAC-LC audio stream)
Number of audio channels	2 channels (stereo), 1 channel (mono)
Recording file format	MP3 (44.1 kHz, 96/128/192/320 kbit/s)

Bluetooth receiver

Bluetooth version	v4.2
Output class	Class 2
Supported profiles	A2DP, AVRCP
Supported A2DP codecs	SBC, AAC, aptX
Supported A2DP content protection	SCMS-T

Tuner

Frequency range	FM: 87.5–108 MHz DAB: Band III, 174–240 MHz
Antenna connector	F-type (female), 50 Ω , unbalanced

Analogue audio inputs and outputs

AUX analogue audio input (unbalanced)	3.5-mm TRS mini-jack
Nominal input level	–20 dBV (0.1 Vrms)
Maximum input level	–4 dBV (0.63 Vrms)
Input impedance	≥ 10 k Ω

Analogue audio inputs and outputs

Main analogue audio outputs (balanced)	XLR-3-32 (1: GND, 2: HOT, 3: COLD)
Nominal output level	+4 dBu (1.23 Vrms, Output Attenuation: 0 dB)
Maximum output level	+20 dBu (7.75 Vrms, Output Attenuation: 0 dB)
Output impedance	100 Ω
Main analogue audio outputs (unbalanced)	RCA
Nominal output level	-10 dBV (0.316 Vrms, Output Attenuation: 0 dB)
Maximum output level	+6 dBV (2.0 Vrms, Output Attenuation: 0 dB)
Output impedance	200 Ω
Tuner analogue audio outputs (unbalanced)	RCA
Nominal output level	-10 dBV (0.316 Vrms, Output Attenuation: 0 dB)
Maximum output level	+6 dBV (2.0 Vrms, Output Attenuation: 0 dB)
Output impedance	200 Ω
Headphones output	6.3 mm stereo jack
Maximum output power	≥ 20 mW + 20 mW (THD+N ≤ 0.1 %, 32 Ω load)

Control I/O

RS-232C	D-sub 9 pin
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Audio performance

Frequency response	20 Hz – 20 kHz, ± 1 dB (Fs: 44.1 kHz, 48 kHz, JEITA)
Total harmonic distortion	≤ 0.005 % (JEITA)
S/N ratio	≥ 95 dB (JEITA)
Dynamic range	≥ 90 dB (JEITA)
Channel crosstalk	≥ 90 dB (JEITA)

Power supply and other specifications

Mains power	AC 100–240 V, 50/60 Hz
Power consumption	20 W
Overall dimensions (W × H × D)	483 mm × 47 mm × 296 mm
Weight	3.3 kg
Operating temperature range	5–35 °C
Included accessories	Removable mains power cord, wireless remote control (RC-CD400), rack-mounting screw kit, FM antenna, owner's manual/warranty
Optional accessory	IF-E100 Ethernet option card, allows the unit to be controlled over a network (Telnet protocol)

Design and specifications subject to change without notice.

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