

CD-240

Network/CD player



The CD-240 plays back CDs, audio files, and online streams, making it the perfect background music player for restaurants, retail, and theme parks. The network streaming section is compatible with DLNA-certified network sources like media servers and mobile devices. Audio files can be played back over a network or from a USB device, in WAV and MP3 or more esoteric formats like high-resolution DSD, FLAC and Ogg Vorbis.

The CD player in the CD-240 makes use of an in-house drive designed for years of reliable commercial use. For integration into any system, balanced and unbalanced analogue outputs are provided, as well as SPDIF digital outputs. The unit can be controlled with a free app for iOS and Android devices, making it simple to change the playlist from anywhere in the facility. With a rich selection of music formats to choose from, the CD-240 is the ultimate music player for demanding installations.

Convenient network playback functions

As part of the next generation of digital audio players, in addition to CDs, this unit also supports direct playback of digital audio files over a network and can play files saved on a computer or a NAS device on the same LAN. In addition to MP3, AAC and similar formats, this unit can also play high resolution audio files in 2.8 MHz/5.6 MHz DSD 192 kHz/24-bit WAV/FLAC formats.

Notes:

- DLNA 1.5 remote playback is supported.
- A NAS device must support DSD files in order to play them back. For details, refer to the operation manual of that NAS device.

Supports internet radio



This unit supports internet radio function, which delivers terrestrial radio broadcasts (AM/FM) over the Internet. Even in locations where radio reception is difficult, this unit allows you to tune in stations reliably over the Internet.

In addition, using an Internet browser on a computer connected to the same network, you can register stations that you listen to frequently for easy recall.

Note: When using Internet radio stations, commercial use licenses are required for the use of radio stations that are available for commercial use.

USB ports on both front and rear side can be used for audio playback

USB flash drives can be connected to the USB ports on the front and the back of the unit. In addition to MP3, AAC and similar formats, this unit can also play high resolution audio in 2.8 MHz/5.6 MHz DSD 192 kHz/24-bit WAV/FLAC formats, for example.

Note: The USB port on the back supports the playback of files with resolutions up to 2.8 MHz DSD and 96 kHz/24-bit WAV/FLAC.

“Made for iPod/iPhone”-certified



The front panel USB port allows digital connection of an iPod or iPhone using a USB cable. This enables playback of digital audio at high quality without audio degradation. Moreover, recharging at the same time is possible.

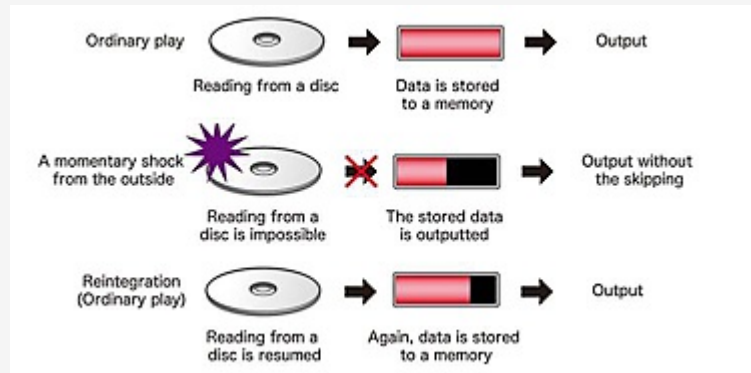
(The USB port on the back of the unit cannot be used to connect an iPod or iPhone.)

High-quality TEAC-made CD drive designed for audio



This unit uses the same high-quality TEAC-made CD drive designed for audio as other models in the CD-200 series. We have achieved high reliability by incorporating a drive that we developed in-house.

CD player supports numerous audio formats



In addition to audio CDs, this player supports playback of various audio file formats, so you can use it with a sense of security even in facilities where you never know what kinds of files people will bring in to play.

In addition to the CD-DA (audio CD) format, it can also play data CDs that have WAV/MP3 files written on them.

Remote app available for iPhone and Android devices (AVR Remote)



An app enables operation of the CD-240 from iOS devices, including iPhone and iPod touch, as well as Android devices. It can be downloaded for free from the App Store or Google Play.

You can control a CD-240 by Wi-Fi from an iOS or Android device on a LAN, allowing control of track selection and playback, for example, from a distance.

Note: The device with the remote control app must be connected wirelessly to the same LAN as this unit in order for it to be used.

Main Features

Specifications

- Combination of network player and CD player for fixed installations
- Ideal for background music playback in restaurants, bars, cafes etc.
- High-resolution audio formats such as 5.6 MHz DSD and 24-bit/192 kHz WAV/FLAC can be played back from PC, NAS (Network Attached Server) or other network location (UPnP service)
- Compatible with DLNA 1.5 and home media access
- Enjoy internet radio and subscription music services like vTuner (currently more than 24,000 stations worldwide)
- Play files from USB flash memory (two USB ports available on front/rear)
- Play files stored on your iPod/iPhone in high resolution via USB digital connection while charging the device (front USB port only)
- High-performance BurrBrown D/A converter
- High quality CD drive designed and built for audio by TEAC
- Remote app for iOS/Android devices available for free
- Wireless remote access can be enabled/disabled in the menu
- Stereo XLR balanced line output
- Stereo RCA unbalanced line output
- Coaxial and optical digital audio outputs
- Headphones output with level control on front panel (55 mW + 55 mW)
- 100Base-T Ethernet port for network connection
- Wireless remote control included as standard
- 2U rack-mount chassis

CD audio formats

CD-DA	Sampling frequency
44.1 kHz	Quantization bit rate
16-bit	CD-DATA, MP3
Sampling frequency	16 kHz, 22.05 kHz, 24 kHz, 32 kHz, 44.1 kHz, 48 kHz
Bit rate	8–320 kbps or VBR
CD-DATA, WAV	
Sampling frequency	8 kHz, 11.025 kHz, 12 kHz, 16 kHz, 22.05 kHz, 24 kHz, 32 kHz, 44.1 kHz, 48 kHz
Quantization bit rate	8-bit, 16-bit

NET and USB audio formats

MP3	
Sampling frequency	8 kHz, 11.025 kHz, 12 kHz, 16 kHz, 22.05 kHz, 24 kHz, 32 kHz, 44.1 kHz, 48 kHz
Bit rate	8–320 kbps or VBR
WMA	
Sampling frequency	8 kHz, 11.025 kHz, 16 kHz, 22.05 kHz, 32 kHz, 44.1 kHz, 48 kHz
Bit rate	5–320 kbps or VBR
WMA Lossless	
Sampling frequency	44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz
Quantization bit rate	16-bit, 24-bit
WAV	
Sampling frequency	8 kHz, 11.025 kHz, 12 kHz, 16 kHz, 22.05 kHz, 24 kHz, 32 kHz, 44.1 kHz, 48 kHz, 64 kHz, 88.2 kHz, 96 kHz, 176.4 kHz, 192 kHz
Quantization bit rate	8-bit, 16-bit, 24-bit
AAC	
Sampling frequency	8 kHz, 11.025 kHz, 12 kHz, 16 kHz, 22.05 kHz, 24 kHz, 32 kHz, 44.1 kHz, 48 kHz, 64 kHz, 88.2 kHz, 96 kHz
Bit rate	8–320 kbps or VBR
FLAC	
Sampling frequency	8 kHz, 11.025 kHz, 16 kHz, 22.05 kHz, 32 kHz, 44.1 kHz, 48 kHz, 64 kHz, 88.2 kHz, 96 kHz, 176.4 kHz, 192 kHz
Quantization bit rate	8-bit, 16-bit, 24-bit
OggVorbis	
Sampling frequency	8 kHz, 11.025 kHz, 16 kHz, 22.05 kHz, 32 kHz, 44.1 kHz, 48 kHz
Bit rate	48 kbps–500 kbps or VBR
Apple Lossless	
Sampling frequency	8 kHz, 11.025 kHz, 12 kHz, 16 kHz, 22.05 kHz, 24 kHz, 32 kHz, 44.1 kHz, 48 kHz, 64 kHz, 88.2 kHz, 96 kHz
Quantization bit rate	16-bit, 24-bit
DSD	
Sampling frequency	2.8224 MHz, 5.6448 MHz

Inputs/outputs

LAN	100BASE-T
USB	Front: USB 2.0 For iPod/iPhone (+5V/1 A power supply) Rear: USB 1.1 (Type A, +5V/500 mA power supply)
DIGITAL OUTPUT, COAXIAL	RCA Pin Jack
Compatible Signal Format	Compliant with IEC-60958-3 standard for consumer applications (S/PDIF)
DIGITAL OUTPUT, OPTICAL	TOS (JEITA RC-5720)
Compatible Signal Format	Compliant with IEC-60958-3 standard for consumer applications (S/PDIF)
ANALOG OUTPUT (BALANCED)	XLR3-32
Output Impedance	200 Ω
Reference Output Level	+4 dBV (1.23 Vrms)
Maximum Output Level	+20 dBV (7.75 Vrms)*
Output level adjustment range	0 dB to –14 dB (in 1-dB steps)
ANALOG OUTPUT (UNBALANCED)	RCA pin jack
Output Impedance	200 Ω
Reference Output Level	–10 dBV (0.32 Vrms)
Maximum Output Level	+6 dBV (2.0 Vrms)
Output level adjustment range	0 dB to –14 dB (in 1-dB steps)
PHONES jack	6.3-mm Stereo Phone Jack
Maximum Output Level	55 mW + 55 mW (THD+N 1 % or less, into 320 Ω load)
Signal-to-noise ratio	108 dB(A) (1 kHz, 0 dBfs, 192 kHz fs)
Frequency response	20 Hz – 60 kHz(+1 dB, –3 dB)

Audio performance

Frequency response	10 Hz – 70 kHz (+0.5 dB, -3 dB)
Signal-to-noise ratio	114 dB(A) (1 kHz, 0 dBfs, 192 kHz fs)
Dynamic range	114 dB(A) (1 kHz, -60 dBfs, 192 kHz fs)
THD+N	0.002% or less (1 kHz, 0 dB fs)
Channel separation (line)	110 dB (1 kHz, 0 dB fs, 192 kHz fs)

Power supply and other specifications

Power supply	Europe: AC 220–240 V (50 Hz, 60 Hz) USA/Canada: AC 120 V (50 Hz, 60 Hz)
Power consumption	31 W
Standby power	0.42 W (in normal standby mode) 5.6 W (in network standby mode)
External dimensions (W x H x D)	481 mm x 95 mm x 301 mm (including protrusions)
Weight	5.0 kg
Permissible operating temperature	+5 °C to +35 °C
Operating humidity	5 % to 85 % (no condensation)
Storage temperature	-20 °C to +55 °C

Design and specifications subject to change without notice.

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