



Portable High-Fidelity CD Player

Please read this manual carefully before use and keep it properly for future reference

Product Description

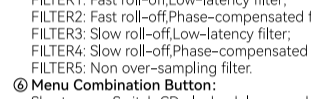
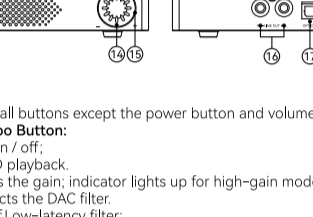
The CDM-10 is a high-performance portable CD player that uses modern technology and professional specifications to faithfully restore classic CD sound quality, bringing back the pure, authentic musical tones of your youth. Its DAC section is equipped with two Cirrus Logic CS43198 chips from the US, delivering outstanding resolution and extremely low background noise, allowing every detail in the music to be clearly reproduced.

The headphone amplifier features a switchable design between modern transistors and classic vacuum tubes, letting you directly experience the sharp, transparent sound of modern audio and the warm, mellow character of traditional tone. With a headphone output power of up to 1000 mW, it can easily drive a wide range of headphones, making it an ideal choice for a premium portable CD player.

Product Features

- High-performance portable CD player that reproduces classic CD sound quality using modern technology and professional specifications.
- Equipped with dual CS43198 DAC chips for outstanding resolution, quiet background, and clear reproduction of every musical detail.
- Supports switchable tube / transistor modes, allowing you to experience the high clarity of modern sound and the warm, mellow character of classic tone.
- Offers 2x / 4x upsampling modes to reduce high-frequency distortion and restore more musical details.
- Adopts dual active low-phase-noise crystal oscillators to significantly reduce clock jitter.
- Features dual anti-shock design with lossless electronic buffering and physical damping for more stable CD playback.
- Built-in low-noise power management circuit delivers high efficiency and low power consumption.
- Uses JRC NJW1195 precision volume control chip with 100-step volume adjustment for smoother and finer control.
- 1000mW output power with strong driving capability, easily driving a wide range of low-impedance headphones.
- Equipped with two Raytheon JAN 6418 vacuum tubes for audio processing, delivering a sweet and delicate sound signature.
- Features a color display with a clean and intuitive UI for easy operation, setup and information reading.
- Includes USB decoding supporting up to PCM 32Bit/384kHz, DSD256 and full MQA decoding.
- Supports external bass boost and gain adjustment to meet diverse listening preferences.
- Body constructed from high-strength aluminum alloy via one-piece CNC machining, providing excellent electromagnetic shielding.

Parts and Controls



- Display**
- Hold Button:** Holds all buttons except the power button and volume knob.
- Power & Stop Combo Button:**
Long press: Power on / off;
Short press: Stop CD playback.
- TURBO Button:** Sets the gain; indicator lights up for high-gain mode.
- FILTER Button:** Selects the DAC filter.
FILTER1: Fast roll-off, Low-latency filter;
FILTER2: Fast roll-off, Phase-compensated filter;
FILTER3: Slow roll-off, Low-latency filter;
FILTER4: Slow roll-off, Phase-compensated filter;
FILTER5: Non over-sampling filter.
- Menu Combination Button:**
Short press: Switch CD playback loop modes (sequential playback, single-track loop, list loop, random playback);
Long press: Enter/exit the menu (after entering the menu, use Previous, Next and Play/Pause buttons for operation).
- BASS Button:** The indicator lights up when bass boost mode is activated.
- Previous Button:** Short press to switch to the previous track. Long press to rewind.
- Play/Pause Button:** Short press to toggle between play and pause.
- Next Button:** Short press to switch to the next track. Long press to fast forward.
- 3.5 mm Headphone Output Jack**
- 6.35 mm Headphone Output Jack**
- 4.4 mm Balanced Headphone Output Jack**
- Volume Knob**
- Knob Backlight:** Can be set to on/off in the menu.
- LINE OUT Output**
- Optical Output Jack**
- Coaxial Output Jack**
- USB Audio Input:** When a USB device is connected, the unit automatically switches to USB input mode.
- Power Select:**
EXT: External power supply;
BAT: Battery power supply (set to BAT when charging).
- Type-C Power Port:** Input DC12V/2A or compatible fast charger.
- Charging Indicator:**
Red light flashing: Slow charging;
Red and green lights alternating: Fast charging;
Red light steady on: Battery fully charged.
- DC Power Port:** Input DC12V/2A.

Menu Settings

Enter Menu:
Long press the Menu key for 2-3 seconds to enter.
Short press the Previous / Next key to select the submenu, then press the Confirm key (Play key) to enter settings.

The functions of each submenu are described below:

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|---|---|---|
| <p>① TUBE MDOE
Turn Tube Mode ON / OFF, The tube indicator lights up when enabled.</p> | <p>② UPSAMPLING
Sets the CD sampling rate to be multiplied. Options: BYPASS (no upsampling), ×2 (2× upsampling), ×4 (4× upsampling).
Note: This setting is only available in CD input mode and will not be displayed in USB input mode.</p> | |
| <p>③ BRIGHTNESS
Set display brightness, adjustable in 1-5 levels.</p> | <p>④ SCREEN OFF
Set auto screen-off time. The screen will turn off automatically after the set time when no operation is detected.
Options: OFF, 15S, 30S, 1M, 5M, 15M.</p> | |
| <p>⑤ AUTO POWER OFF
Set auto power-off time. The unit will power off automatically after the set time when there is no playback and no operation.
Options: OFF, 10M, 20M, 30M, 1H, 2H.</p> | <p>⑥ SLEEP TIMER
Set timer playback duration. The unit will power off automatically after the set time.
Options: OFF, 15M, 30M, 1H, 2H, 3H.</p> | |
| <p>⑦ MUTE
Sets the mute duration between tracks of different sampling rates during USB audio input to prevent popping noise during switching.
Options: OFF, 100MS, 200MS, 500MS, 1S, 2S.
Note: This setting is only available in USB input mode and will not be displayed in CD mode.</p> | <p>⑧ BACKLIT KNOB
Set knob backlight to ON or OFF.</p> | |
| <p>⑨ RESET
Restore all menu settings to factory defaults.</p> | <p>⑩ INFORMATION
View current firmware version of the device.</p> | <p>SYSTEM UPGRADE
Firmware upgrade package and upgrade tutorial can be obtained from the official website.</p> |

Quick Start

CD Playback:

- After powering on, open the CD compartment, insert the CD, and close the compartment. (The CD automatically uses a magnetic design. Hold the side and gently lift upward to open.)
- The unit will automatically read the disc. After loading, the display shows the total number of CD tracks and playback starts automatically.
- Press the Play/Pause button to control playback and pause; Press the Previous/Next buttons to switch tracks. To stop playback, press the Stop button.
- Playback Loop Mode Selection: Short press the Menu button to switch loop modes.

USB Playback:

- While powered on, connect the USB audio cable to the USB audio interface of a computer, mobile phone, or other device. The unit will automatically switch to USB input mode. After a successful connection, the display shows the USB icon and current sampling rate.
- Play music on your computer or mobile phone; the unit will decode and output the audio. **(Note: On a computer, set the audio output device to this unit.)**

Parameters

- Product Type:** Portable CD Player
- Battery Capacity:** 3.7V / 6000mAh
- Power Input:** DC 12V/2A
- Power Interface:** DC, USB-C
- Display:** 1.9-inch TFT Screen
- Supported Disc Formats:** CD, CD-R, CD-RW
- USB Playback:** PCM: 16-32Bit / 44.1kHz-384kHz; DSD: 1Bit / 2.82MHz-11.28MHz; MQA: 8X
- Gain:** 0, +6dB
- Bass:** 0, +6dB
- Output Interfaces:** Coaxial, Optical, Analog, Headphone
- Unbalanced Headphone Output Specifications:**
 - Output Power: 630 mW (32 Ω load)
 - Frequency Response: 20Hz-20kHz (±0.5dB)
 - Crosstalk: ≥70dB
 - SNR: 117dB (A-Weighted)
 - THD+N: 0.0019%
- Balanced Headphone Output Specifications:**
 - Output Power: 1000 mW (32 Ω load)
 - Frequency Response: 20Hz-20kHz (±0.5dB)
 - Crosstalk: ≥103dB
 - SNR: 119dB (A-Weighted)
 - THD+N: 0.0013%
- Line Output Specifications:**
 - Output Level: 2.0Vrms
 - Frequency Response: 20Hz-20kHz (±0.5dB)
 - Crosstalk: ≥108dB
 - SNR: 121dB (A-Weighted)
 - THD+N: ≤0.00040% (107dB)
- Battery Life:**
CD Playback: ≥7 hours
USB Playback: ≥12 hours
- Charging Time:**
Fast Charge: 3 hours
Slow Charge: 6 hours
- Dimensions:** 18.3×15.9×3.7 cm
- Weight:** 0.86 kg

Accessories

- USB cable ×1
- User manual ×1
- Warranty card ×1

USB Driver for Windows Computer

A driver is required for Windows systems; other systems do not need installation. The driver can be downloaded and installed directly from our official website: www.xduoo.net.

The firmware file is named "XDUOO USB DRIVER", which includes an installation tutorial.

Warranty Information

Our product is provided with a **12-month free warranty service** starting from the date of sale. If the product is used beyond the 12-month warranty period from the date of sale, we will charge a reasonable cost for parts based on the actual fault condition of the product.

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