

# Merak CD Player

Digital Transport / DAC & Headphone Amp

Wake Your CD Collection Again



# 01\ Introduction

Merak takes its name from Beta Ursae Majoris, a star in the constellation Ursa Major. In ancient navigation and astronomical observation, it was often used as a reference point to locate the North Star, symbolizing guidance and direction.

Inspired by this meaning, we hope Merak becomes a point of reference in your listening journey—bringing more precise imaging and a more immersive experience.

## 02\ Stable Reading & Gapless Playback

Professional CD mechanism and servo system ensure precise and stable disc reading.

Gapless playback eliminates track gaps, ideal for live recordings and symphonic music.

Transparent window design clearly displays the album artwork.

Clip-type disc holder with a spacious chamber reduces scratches compared with slot-loading drives.



## 03\ Premium Audio Architecture

Built around a CS43131 DAC and TPA6120 amplifier, supporting up to PCM 16bit/96kHz audio playback. With 124dB SNR and 0.0009% THD+N, it delivers clean, detailed sound.

A 3.5mm headphone output (210mW×2) and line output allow easy connection to headphones, amplifiers, or active speakers.



## 04\ Optical Digital Output

Support OPT output with a high-precision, low-jitter clock to ensure a stable and clean digital signal. And the CD-quality 16bit/44.1kHz signal is output directly without internal DAC processing, allowing the unit to function as a digital transport when paired with an external DAC.



## 05\ Built for Pure Listening

### ■ Electronic Anti-Shock Protection



Help reduce playback interruptions when the device is subjected to vibration or movement.

### ■ Lid-Open Auto Stop



Automatically stops playback when the lid is opened to protect the CD.

### ■ OLED Display



Custom high-contrast, long-life OLED display clearly shows playback status, track number, and elapsed time.

### ■ Four Playback Modes



Easily switch between Play Once, Repeat One, Repeat All, and Shuffle using the front panel controls or the remote.

## 06\ CD Ripping & USB Playback

Supports USB drive playback, with drives up to 128GB.

Features one-touch CD ripping, saving original CD audio as 16bit/44.1kHz WAV files to a USB drive without loss of quality.

Note: CD ripping is supported only with FAT32-formatted USB drives up to 32GB.



07\ Specifications

| General Specifications         |                                                                                    |                 |
|--------------------------------|------------------------------------------------------------------------------------|-----------------|
| Chipset                        | SC6137D+CS43131+TPA6120                                                            |                 |
| Max Sampling Rate              | CD                                                                                 | PCM 16bit 96kHz |
|                                | USB<br>(USB flash drives)                                                          | PCM 16bit 96kHz |
| Headphone Impedance            | 16-300Ω                                                                            |                 |
| Input                          | USB A (USB flash drives) 、 CD                                                      |                 |
| Output                         | 3.5mm Headphones Jack、 LINE、 OPT、 12V Trigger                                      |                 |
| CD Formats                     | CDDA, CD-R / CD-RW (partially readable)<br>Original pressed discs are recommended. |                 |
| CD-R Formats                   | FLAC / WAV / WMA / AAC / MP3                                                       |                 |
| SACD Playback                  | Only SACDs with a CD layer are supported.                                          |                 |
| Formats for USB Drive Playback | MP3 / WAV / FLAC / AAC / APE / WMA                                                 |                 |
| IR Remote Control              | Supports a maximum operating distance of up to 7 meters.                           |                 |
| Input Voltage                  | DC 5V /2A                                                                          |                 |
| 3.5 mm Output Performance (CD) |                                                                                    |                 |
| Rated Output Power             | L+R≥210mW+210mW (32Ω/THD+N < 1%)                                                   |                 |
| SNR                            | 121 dB (A-weighted)                                                                |                 |
| THD+N                          | 0.002% (A-weighted)                                                                |                 |
| Dynamic Range                  | 121dB                                                                              |                 |
| Noise Floor                    | ≤3μV (A-weighted)                                                                  |                 |
| LINE Output Performance (CD)   |                                                                                    |                 |
| Output Level                   | ≥2Vrms                                                                             |                 |
| SNR                            | 124dB (A-weighted)                                                                 |                 |
| THD+N                          | 0.0009% (A-weighted)                                                               |                 |
| Dynamic Range                  | 124dB                                                                              |                 |
| Noise Floor                    | ≤3μV (A-weighted)                                                                  |                 |











# About Fosi Audio

Established in 2017, Fosi Audio has been committed to developing, manufacturing, and selling high-quality HiFi audio products. The brand name FOSI is shaped by four core principles:

- Foresight, thinking further ahead;
- Openness, embracing users' voices;
- Sincerity, serving you wholeheartedly;
- Innovation, upholding technical excellence. We've crafted a home and personal HiFi system—including home audio amplifiers, preamps, DACs, speakers, headphones, headphone DAC amps, etc. Fosi Audio has quickly become a rising star in the HiFi audio world, earning recognition from audiophiles globally, with a distribution network spanning over 100 countries and trusted by millions of music enthusiasts across the globe.

We believe every sound matters. With cutting-edge innovation, we make every note clear, real, and full of emotion, empowering you to “Hear the Unheard”. Driven by our mission to redefine HiFi with unmatched value, Fosi Audio continues to fuel its passion for the HiFi industry, ramp up R&D efforts, and co-create new HiFi equipment with users. We pledge to bring more amazing HiFi gear with cutting-edge technology, innovative design, and premium quality to audiophiles worldwide.

Official Website: [www.fosiaudio.com](http://www.fosiaudio.com)

Official Forum: [community.fosiaudio.com](http://community.fosiaudio.com)

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