Mobile Phone HIFI Turntable
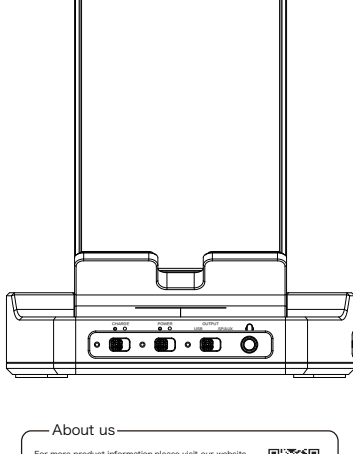
Product Introduction

DT-01 is a HiFi turntable for mobile phone, that is used your smartphone as a music player, converting it into USB, coaxial, optical, and AUX outputs, allowing output to a decoder, digital amplifier, or active speakers, providing professional-grade audio. It also comes with a headphone output interface, enabling you to connect high-end headphones for listening to music. Its USB input/output supports up to PCM 32Bit/384kHz and DSD256, and coaxial and optical outputs support up to 24Bit/192kHz and DSD64. The DAC chip used is the ES9038Q2M, known for its exceptionally low noise and higher resolution, greatly enhancing sound quality. The headphone amplifier circuit delivers up to 350mW of output power, making it capable of driving a wide range of headphones effortlessly. The device is equipped with a sampling rate indicator light, displaying different colors for different sampling rates, which adds to its charm. This product is ideal for audiophiles who prefer using smartphones/tablets as the audio player, providing high-quality audio to decoders, amplifiers, and speakers, catering to the demands of advanced enthusiasts seeking top-notch sound quality.

Product Features

1) Equipped with colorful indicator lights, displaying the song's sampling rate in real-time.
2) Equipped with a charging function for your phone, allowing you to charge while enjoying music, eliminating worries about battery life.
3) The USB receiver chip utilizes XMOS's XU208, operating in asynchronous transfer mode, with a maximum support of PCM32BIT/384KHZ and DSD256.
4) Coaxial/optical output supports a maximum of PCM 24Bit/192kHz, DSD64(DOP).
5) The DAC chip uses the ES9038Q2M chip, known for its extremely low noise and higher resolution, resulting in superior decoding performance.
6) Utilizes dual active low-phase-noise crystal oscillators for more precise decoding.
7) The output power of up to 350mW, providing strong dynamics and effortlessly driving various types of headphones.
8) The AUX OUT volume is adjustable, allowing for easy adjustment of the sound system volume right on your desktop.
9) The USB OUT port is powered separately; when connected to a decoder, it no longer draws power from the phone, thus conserving phone battery.
10) The back support board for phone is can be removed for convenient portability when going out.
11) The casing is made of aluminum alloy, providing excellent shielding properties against external interference.

Product Parameters

Power In: DC5V/2A
Sampling Rate Display: multi-color display
Compliant OS: Windows、Linux, Mac OS X、IOS、Android system
Frequency Response:
    USB: 20Hz~20kHz(±0.5dB)
    AMP:10 Hz~80kHz(±0.5dB)
Sampling Rate Support:
    PCM:16-32BIT/44.1-384KHZ
    DSD: DOP/NATIVE, DSD64-256
Output Parameters:
Coaxial:
    Output Sampling Rate:PCM:16-24BIT/44.1-192KHZ、DSD64(DOP)
    Output Level:0dBFS
    THD+N:0.000008%
Optical:
    Output Sampling Rate:PCM:16-24BIT/44.1-192KHZ、DSD64(DOP)
    Output Level:0dBFS
    THD+N:0.000008%
AUX OUT:
    Output Level: 2.0Vrms
    THD+N:0.009%@1kHz
    S/N:115dB
    Crosstalk:≥89dB
Headphone Output:
    Output Power: 350mW(32Ω load)
    THD+N:0.015%@1kHz
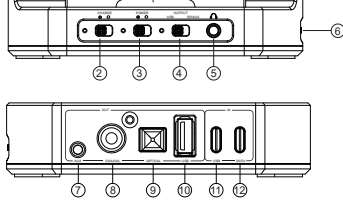   S/N: 113dB
    Crosstalk:≥65dB
Size:11.5X9.0X13.0cm
Weight :0.4kg

Parts and Controls

1) 1.Sample Rate Indicator :When selecting USB as the output, this light remains off;When choosing SP/AUX, and successfully connecting to the phone, the indicator light turns on, and it indicates the following sample rates;When the sample rate is 44.1k-48khz, the light is blue;When the sample rate is 96k-384khz (HD format), the indicator light is purple;When the sample rate is DSD, the light is white.
2) Charging Switch: When turned on, it can charge your phone, and the red light on the left will illuminate.
3) Power Switch: Turn on the power, and the left side will light up in blue.
4) Output Selection:When selecting USB, the USB OUT port outputs USB signal, which can be connected to a USB decoder. The USB output power is provided by DT-01, not drawing power from the phone, thus conserving phone battery.When selecting SP/AUX, the green light on the left side illuminates, and the coaxial/optical/AUX output have signal.
5) Headphone out
6) Volume Control: Simultaneously adjusts the volume for both AUX out and the headphone out.
7) AUX OUT : Outputs analog signals.
8) Coaxial Output: Can output signals at 44.1K-192KHZ, DSD64 (setting the DSD output to DOP); there will be no output if the USB input sample rate exceeds specifications.
9) Optical Output: Can output signals at 44.1K-192KHZ, DSD64 (setting the DSD output to DOP); there will be no output if the USB input sample rate exceeds specifications.
10) USB Signal Output: Directly converts the USB input signal from the phone and can output signals at 44.1K-384KHZ, DSD64-256. The 5V power for this interface is provided by DT-01.
11) USB Signal Input: Supports sample rates of 44.1K-384KHZ and DSD64-256 without drawing power from the phone.
12) Power Input: Supplies power to DT-01 and charges the phone. Requires a power supply specification of 5V/2A or higher current.

How to Use

Connect the power supply, use the supplied USB cable to connect the USB port of your mobile phone to the USB IN port of this unit, and fix the mobile phone on the base of the unit:
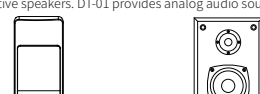1) Turn the output selection switch to USB, connect it to your USB decoder using a USB cable, and DT-01 provides USB audio source for the decoder to decode.
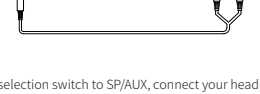

2) Turn the output selection switch to SP/AUX, connect it to the digital decoder using a coaxial/optical cable, and DT-01 provides coaxial/optical audio source for the decoder to decode.

3) Turn the output selection switch to SP/AUX, use an audio cable, and connect it to the amplifier or active speakers. DT-01 provides analog audio source to the amplifier.

4. Turn the output selection switch to SP/AUX, connect your headphones, and play music from your phone to enjoy wonderful music.

Accessories

Type-C power cable	1pc
Type-C to Type-C OTG cable	1pc
Lightning to Type-C OTG cable	1pc
User Manual	1pc
Warranty Card	1pc

Warranty Information

Our products can enjoy 12-month free warranty services from the date of the sale, if the warranty period is expired, our company will charge parts cost depend on the product fault conditions. Accessories are not covered under warranty.