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› [FiiO TT13 Fully Automatic Vinyl Stereo Turntable \(Analog\) Instruction Manual](#)

## FiiO TT13

# FiiO TT13 Fully Automatic Vinyl Stereo Turntable (Analog) Instruction Manual

Model: TT13 Silver Standard

Brand: FiiO

## INTRODUCTION

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This manual provides detailed instructions for the setup, operation, and maintenance of your FiiO TT13 Fully Automatic Vinyl Stereo Turntable. Designed for ease of use, the TT13 features a fully automatic tonearm, a powerful built-in phono preamp, and a robust aluminum construction to deliver a high-fidelity analog audio experience. Please read this manual thoroughly before using your turntable to ensure proper function and longevity of the device.

## WHAT'S IN THE BOX

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Carefully unpack all components and ensure you have received the following items:

- Cast aluminum turntable (1)
- Platter mat (1)
- Power cord (1)
- RCA audio cable (including ground wire) (1)
- Custom infrared remote control (1)
- Quick start guide (1)
- Warranty card (1)
- 7-inch large hole 45 RPM record adapter (1)



## Packing list

- ①-----Cast aluminum turntable\*1
- ②-----Platter mat\*1
- ③----- Power cord\*1
- ④-----RCA audio cable (including ground wire)\*1
- ⑤-----Custom infrared remote control\*1
- ⑥-----Quick start guide\*1
- ⑦-----Warranty card\*1
- ⑧-----7-inch large hole 45 RPM record adapter\*1

Figure 1: Contents of the FiiO TT13 Turntable package.

## SETUP

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### 1. Turntable Assembly

Place the turntable on a stable, level surface. Carefully mount the die-cast aluminum platter onto the spindle. Locate the drive belt and gently place it around the motor pulley, ensuring it is not twisted. Place the platter mat on top of the platter.



Figure 2: Assembling the platter and drive belt on the FiiO TT13 turntable.

## 2. Dust Cover Installation

Insert the hinge pockets of the dust cover into the hinges located at the rear of the turntable chassis. The dust cover protects the turntable from dust and debris when not in use.

## 3. Power Connection

Connect the power cord to the DC 12V input on the rear of the turntable, then plug the adapter into a wall outlet. The TT13 supports a wide AC 100-240V voltage range.

## 4. Audio Connection

Connect the supplied RCA audio cable to the ANALOG OUT ports on the turntable. Connect the other end of the RCA cable to your powered speakers or amplifier. Ensure the PHONO/LINE switch on the turntable's rear panel is set to the appropriate position (LINE for built-in preamp, PHONO if using an external phono preamp).

**aptX High-Res Bluetooth**  
**A wireless connection can also sound great**

The TT13 Bluetooth version employs Qualcomm's Bluetooth platform and supports aptX/aptX Low latency/aptX HD/SBC Bluetooth transmission. Thanks to the carefully designed circuit architecture and unique signal processing, it is exceptionally low-noise.

<input checked="" type="checkbox"/> Qualcomm aptX	<input checked="" type="checkbox"/> Qualcomm aptX Low Latency
<input checked="" type="checkbox"/> SBC	<input checked="" type="checkbox"/> Qualcomm aptX HD

\*The standard version does not support Bluetooth.

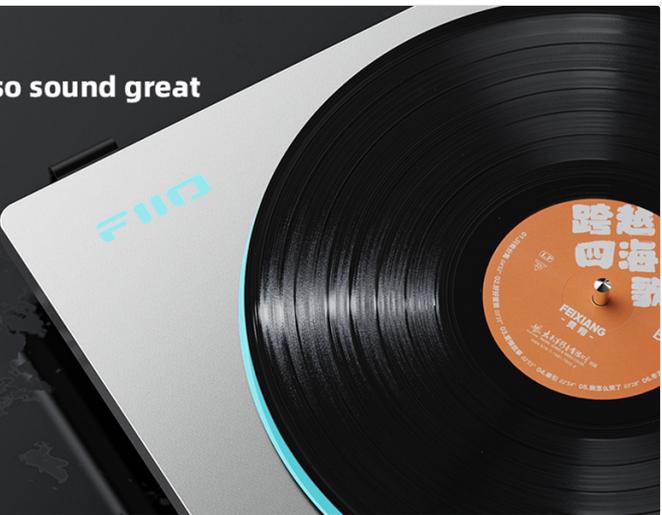


Figure 3: Rear panel connections for power and audio output.

## 5. Tonearm Preparation

Carefully remove any protective packaging or twist-ties securing the tonearm. Ensure the stylus guard is removed before playback. The TT13 features a pre-calibrated tonearm for immediate use.

Your browser does not support the video tag.

Video 1: This video demonstrates the installation process for a belt-drive turntable, including platter and belt setup. While not specific to the FiiO TT13, the general principles of belt installation are applicable.

## OPERATING INSTRUCTIONS

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### 1. Power On/Off

Press the POWER button on the front panel to turn the turntable on or off. The unit will illuminate when powered on.

### 2. Selecting Playback Speed

Use the SPEED button to toggle between 33 1/3 RPM and 45 RPM, matching the speed to your vinyl record. For 7-inch 45 RPM records, use the included adapter.

### 3. Automatic Playback

Place a record on the platter. Press the START/STOP button. The tonearm will automatically lift, move to the beginning of the record, and begin playback. To stop playback, press the START/STOP button again. The tonearm will automatically lift, return to its rest, and the platter will stop spinning.

### Fully automatic tonearm, Loop playback

Press the start button, and the TT13 will automatically lift the arm, move it to the start of the record, and begin playing. Press the stop button, and the TT13 will automatically raise the arm, stop playing, and return to its initial position. Unlike other turntables, the TT13 can automatically play on a loop. Making it so easy to use also ensures that less damage comes to the vinyl turntable and records due to mishandling.



Figure 4: The fully automatic tonearm simplifies playback and includes a loop playback function.

### 4. Loop Playback

The TT13 supports automatic loop playback. After a record finishes, the tonearm will return to the start and replay the

record. Press the REPEAT button to activate or deactivate this feature.

## 5. Remote Control Operation

Use the custom infrared remote control to manage various functions from a distance, including power on/off, start/stop playback, repeat play, and adjusting lighting brightness. The remote also allows fine-tuning of the tonearm direction for precise cueing.

### **Included custom infrared remote control Control your music, With greater ease**

Remotely control the music without getting up, including being able to power on/off, start/stop, repeat, adjust light brightness, adjust tonearm direction adjustment and use other functionality. Endlessly immerse yourself within the unique sound of vinyl.

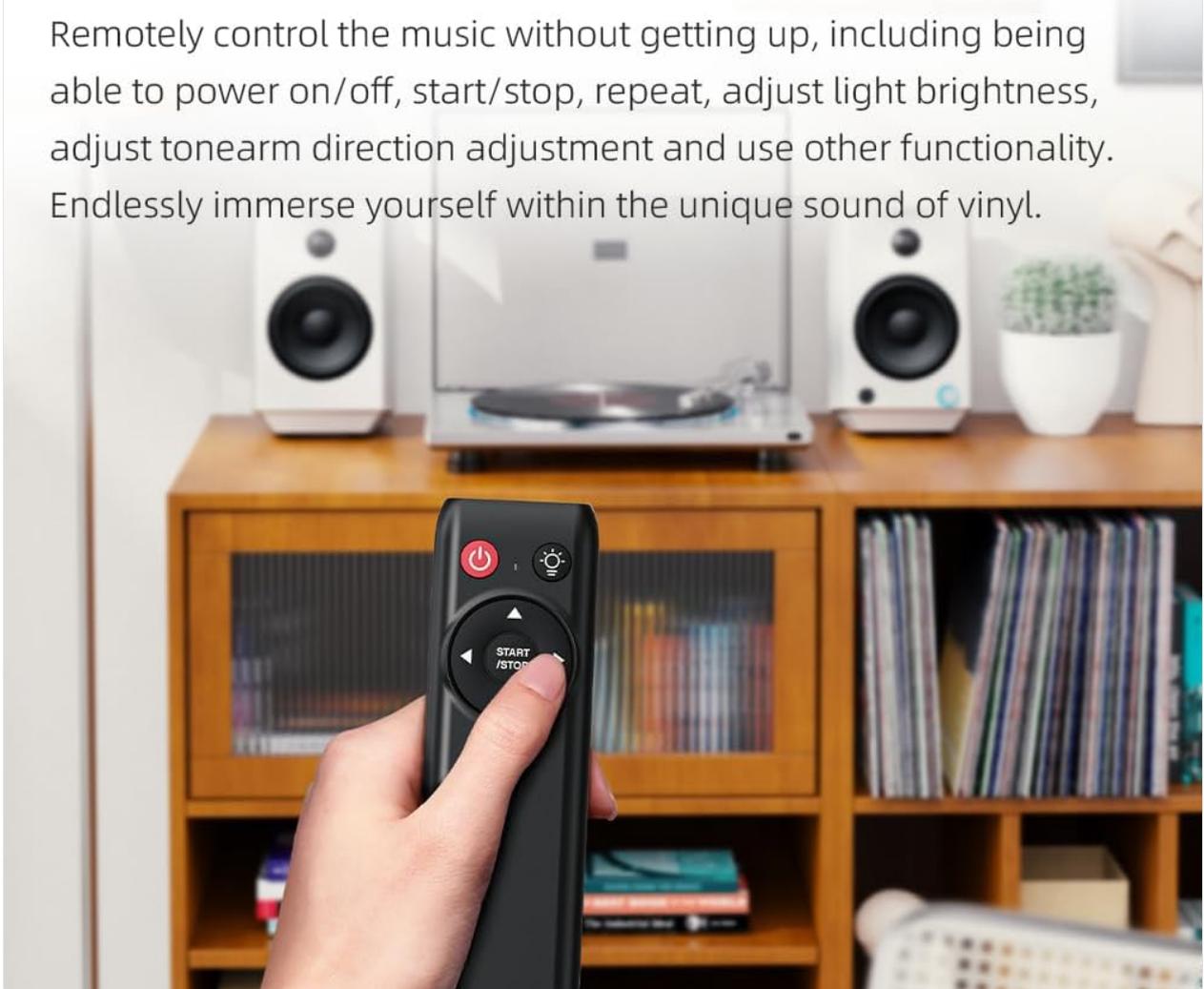


Figure 5: The included remote control provides convenient access to turntable functions.

## 6. Customizable Lighting Effects

The TT13 features customizable RGB and LED lighting effects. Adjust the lighting brightness or turn off the lights using the controls on the machine or the remote control.

# Customizable lighting effects

Choose between 7 dazzling lighting effects with adjustable brightness and the option to turn off the light - allowing you to create different atmospheres for all kinds of parties. Let the melody of time flow through the interplay of light and shadow.

\*On the standard version, adjust lighting effects through controls on the machine. On the Bluetooth version, adjust lighting effects through the remote control.



Figure 6: The turntable offers 7 dazzling lighting effects with adjustable brightness.

## FEATURES

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### Fully Automatic Tonearm Design

The FiiO TT13 is equipped with a fully automatic tonearm, simplifying the vinyl playback experience. With a single touch, the tonearm automatically positions itself at the start of the record and returns to its rest position upon completion, minimizing wear on both the stylus and records.

### Powerful Built-in Phono Preamp

The turntable integrates a professional-grade phono preamp, delivering a line output level of 800mV@1kHz 0dB. This powerful output, combined with superior signal-to-noise ratio and channel separation, allows direct connection to powered speakers or any line-level input, eliminating the need for an external phono preamp.

# Built-in powerful phono preamp

Built into the TT13 is a powerful, meticulously tuned phono preamp. The line output level can reach 800mV@1kHz 0dB, which is more powerful than similar products, and also with improved signal-to-noise ratio and reduced crosstalk - for a powerful sound. The built-in phono preamp eliminates the need to purchase a separate one, significantly reducing the cost of setting up a vinyl turntable system and can easily be paired with active speakers.

800mV@1kHz 0dB

TT13

300mV@1kHz 0dB

Other vinyl turntables



Figure 7: The powerful built-in phono preamp ensures high-quality audio output.

## Pure Analog Audio Architecture

The audio section of the TT13 utilizes a fully analog architecture, featuring two imported high-fidelity JRC5532 operational amplifiers in a two-stage amplification circuit. This design, complemented by multiple electrolytic capacitors and independent LDO power supplies, ensures low noise levels and a rich, warm analog sound.

## Specially-designed analog audio architecture

### Pure analog sound

Being a turntable, the TT13 features a fully analog audio architecture. It is equipped with two proven JRC5532 high-fidelity op-amps connected in series to form a two-stage amplification circuit. This ensures that each stage of the circuit operates within an ideal amplification range. Combined with multiple electrolytic capacitors and an independent LDO power supply, the result is reduced circuit noise for a purer and more analog sound.

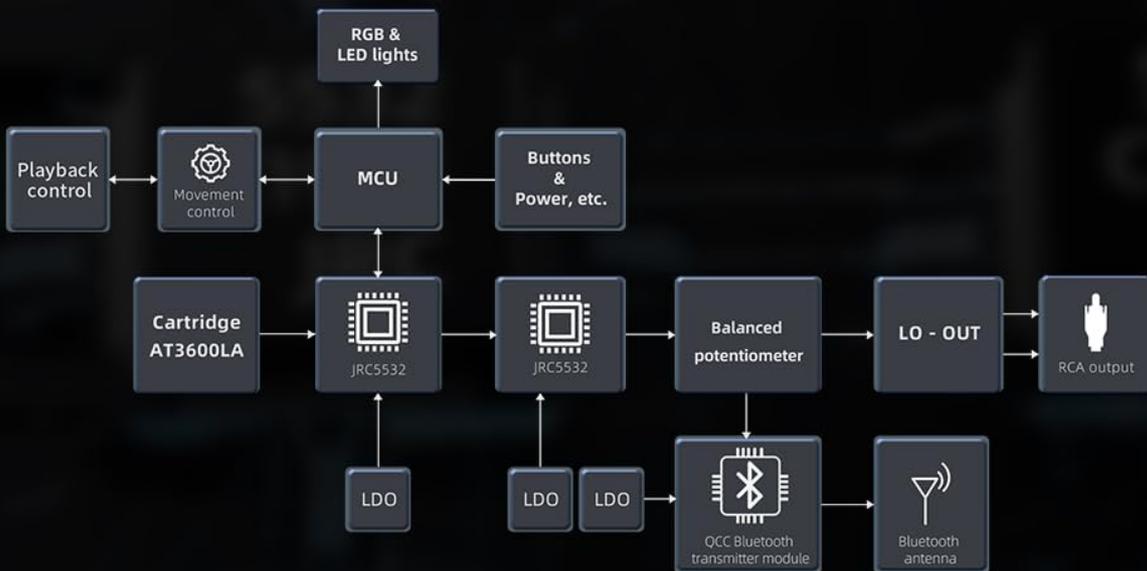


Figure 8: Diagram illustrating the specially designed analog audio architecture for pure sound.

### Robust All-Aluminum Alloy Panel

The turntable features a meticulously polished metal panel, weighing nearly 4kg, which provides excellent anti-interference performance and effective shielding against external disturbances. Sturdy feet further enhance shock absorption, minimizing environmental vibrations for stable, high-quality audio playback.

## Specially-designed analog audio architecture

### Pure analog sound

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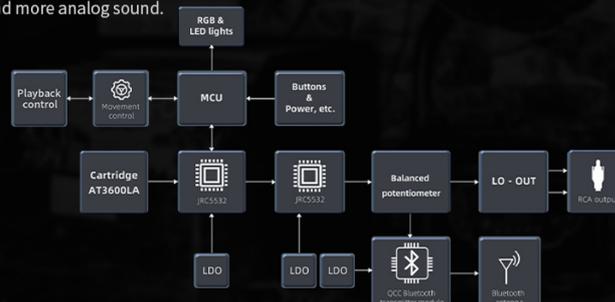


Figure 9: The robust all-aluminum alloy panel provides stability and interference shielding.

## DC/AC Dual Power Supply Design

The TT13 incorporates a built-in switching power supply (AC 100-240V) for global compatibility. It also offers the option for an external DC 12V-1A power supply, suitable for high-fidelity usage scenarios.



Figure 10: The turntable's dual power supply design offers flexibility and high-fidelity performance.

## MAINTENANCE

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### Cleaning the Turntable

- Regularly wipe the dust cover and chassis with a soft, dry cloth.
- For stubborn marks, use a slightly damp cloth with mild soap, then dry thoroughly.
- Avoid using harsh chemicals or abrasive cleaners, as they can damage the finish.

### Stylus Care

- Gently clean the stylus regularly using a soft brush designed for stylus cleaning, brushing from back to front.
- Avoid touching the stylus with your fingers to prevent damage or contamination.
- Replace the stylus when signs of wear appear (e.g., distorted sound, skipping), typically after 300-500 hours of playback.

### Record Care

- Always handle records by their edges to avoid transferring oils and dirt.
- Store records vertically in their sleeves in a cool, dry place.
- Clean records with a dedicated record brush before each play to remove dust and static.

## TROUBLESHOOTING

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### No Power

- Ensure the power cord is securely connected to the turntable and the wall outlet.
- Verify the wall outlet is functioning correctly by plugging in another device.

### No Sound or Low Volume

- Check all audio cable connections between the turntable and your amplifier/speakers.
- Ensure the PHONO/LINE switch on the turntable's rear is set correctly for your setup.
- Verify your amplifier/speakers are powered on and set to the correct input.
- Confirm the stylus is properly seated and not damaged.

### Skipping or Distorted Sound

- Ensure the turntable is placed on a stable, level surface to prevent vibrations.
- Clean the record and stylus thoroughly.
- Check for any visible damage to the record or stylus.

### Incorrect Playback Speed

- Verify the SPEED button is set to the correct RPM (33 1/3 or 45) for your record.
- Ensure the drive belt is correctly installed and not slipping.

## SPECIFICATIONS

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Feature	Specification
Brand	FiiO
Model Name	TT13
Item Model Number	TT13 Silver Standard

Motor Type	Belt-driven
Maximum Rotational Speed	45 RPM
Material	Aluminum
Color	Silver
Item Weight	12.76 pounds
Package Dimensions	18.11 x 17.72 x 6.3 inches
Compatible Devices	Speaker
Special Feature	Adjustable Speed

## WARRANTY & SUPPORT

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The FiiO TT13 Turntable comes with a manufacturer's warranty. Please refer to the included Warranty Card for specific terms and conditions. For technical support, troubleshooting assistance, or warranty claims, please contact FiiO customer service through their official website or the retailer where the product was purchased.

Keep your proof of purchase for warranty validation.