

FiiO TT13

FiiO TT13 Fully Automatic Vinyl Stereo Turntable User Manual

Model: TT13

1. INTRODUCTION

This manual provides comprehensive instructions for the FiiO TT13 Fully Automatic Vinyl Stereo Turntable. Please read this manual thoroughly before operating the device to ensure proper use and longevity. The FiiO TT13 is designed for convenient vinyl playback, featuring a fully automatic tonearm, a powerful built-in phono preamp, and Bluetooth connectivity.



Figure 1: FiiO TT13 Turntable Overview

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 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)

3. SETUP INSTRUCTIONS

3.1 Initial Assembly

1. **Unpacking:** Carefully remove all components from the packaging.
2. **Platter Installation:** Place the die-cast aluminum platter onto the turntable spindle.

3. **Belt Installation:** Gently wrap the rubber drive belt around the motor pulley and the inner rim of the platter. A tab is provided on the belt for easier handling.
4. **Platter Mat:** Place the platter mat on top of the aluminum platter.
5. **Dust Cover:** Install the dust cover by aligning its hinges with the slots on the turntable base.



Figure 2: Turntable with Platter and Tonearm

3.2 Power Connection

Connect the provided power cord to the turntable's power input and then to a suitable AC power outlet (100-240V). The TT13 also supports an external DC 12V-1A power supply for high-fidelity scenarios.

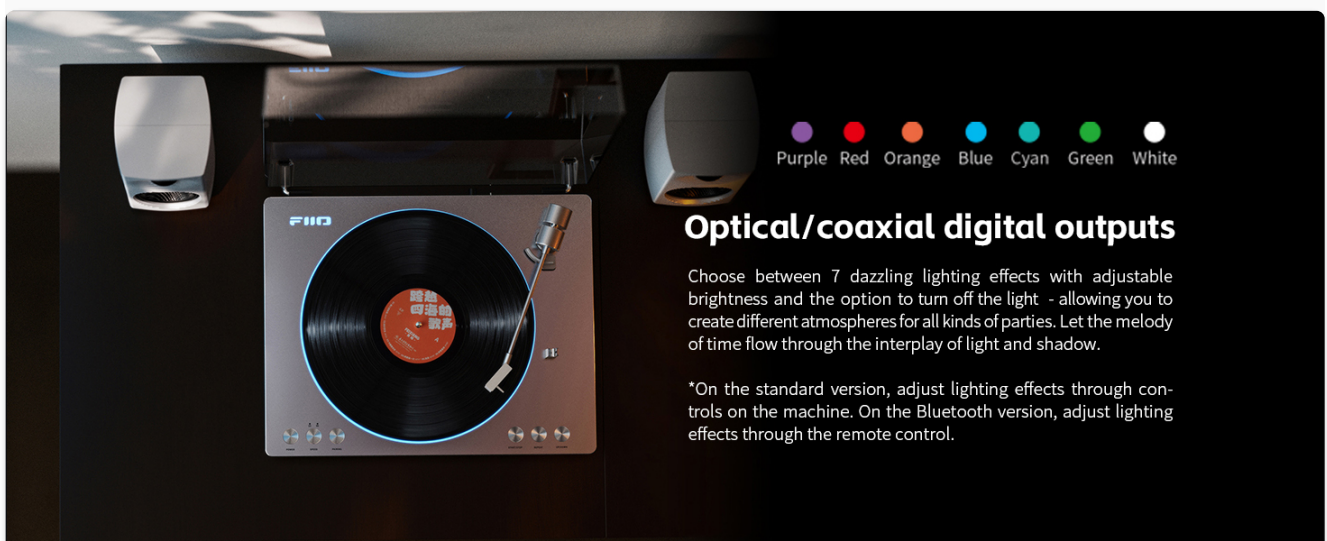


Figure 3: DC/AC Dual Power Supply Design

3.3 Audio Connection

The TT13 features a built-in phono preamp, allowing direct connection to powered speakers or an amplifier's line-level input. Use the supplied RCA audio cable.

- Connect the RCA cables from the turntable's LINE OUT to your amplifier's AUX/LINE IN or directly to powered speakers.
- Ensure the ground wire is connected if your amplifier has a dedicated ground terminal.

3.4 Bluetooth Pairing (Bluetooth Version Only)

The TT13 Bluetooth version supports aptX/aptX Low Latency/aptX HD/SBC transmission for wireless audio.

1. Power on the turntable.
2. Press the 'PAIRING' button on the turntable or remote control to enter Bluetooth pairing mode. The indicator light will flash.
3. Enable Bluetooth on your receiving device (e.g., Bluetooth speaker, headphones) and select 'FiiO TT13' from the list of available devices.
4. Once connected, the indicator light will remain solid.



Figure 4: aptX High-Res Bluetooth Functionality

4. OPERATING INSTRUCTIONS

4.1 Basic Playback

1. **Power On:** Press the 'POWER' button.
2. **Select Speed:** Press the 'SPEED' button to toggle between 33 RPM and 45 RPM, matching your vinyl record. Use the 7-inch adapter for 45 RPM singles if needed.
3. **Place Record:** Carefully place a vinyl record on the platter.
4. **Start Playback:** Press the 'START/STOP' button. The fully automatic tonearm will lift, move to the beginning of the record, and begin playing.
5. **Stop Playback:** Press the 'START/STOP' button again. The tonearm will automatically lift, return to its rest position, and stop playing.
6. **Loop Playback:** The TT13 supports automatic loop playback. Press the 'REPEAT' button to activate this feature.



TT13

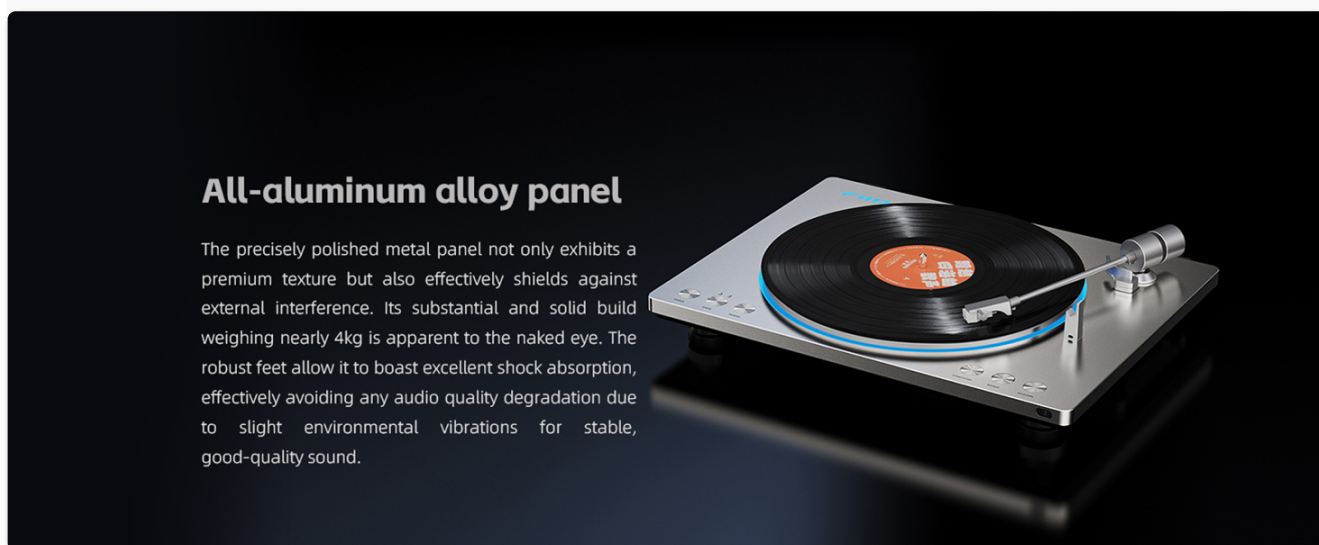
Fully Automatic Vinyl Turntable

Figure 5: Fully Automatic Tonearm and Loop Playback

4.2 Remote Control Functions

The included infrared remote control provides convenient access to various functions:

- **Power On/Off:** Controls the turntable's power.
- **Start/Stop:** Initiates or halts playback.
- **Repeat:** Toggles loop playback mode.
- **Lighting Brightness:** Adjusts the intensity of the LED lighting.
- **Tonearm Direction:** Fine-tunes tonearm movement (UP/DOWN buttons).



All-aluminum alloy panel

The precisely polished metal panel not only exhibits a premium texture but also effectively shields against external interference. Its substantial and solid build weighing nearly 4kg is apparent to the naked eye. The robust feet allow it to boast excellent shock absorption, effectively avoiding any audio quality degradation due to slight environmental vibrations for stable, good-quality sound.

Figure 6: Included Custom Infrared Remote Control

4.3 Customizable Lighting Effects

The TT13 features customizable LED lighting around the platter. You can choose from 7 different lighting effects and adjust their brightness, or turn them off completely. On the Bluetooth version, these settings are controlled via the remote. On the standard version, controls are located on the machine itself.

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: Customizable Lighting Effects

4.4 Analog Audio Architecture

The TT13 incorporates a fully analog audio architecture with two JRC5532 high-fidelity operational amplifiers in a two-stage amplification circuit. This design, combined with multiple electrolytic capacitors and independent LDO power supplies, minimizes noise for a pure analog sound.



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 8: Specially-Designed Analog Audio Architecture

4.5 Built-in Phono Preamp

The TT13 features a powerful, meticulously tuned phono preamp with a line output level of 800mV@1kHz 0dB. This eliminates the need for an external phono preamp and allows direct connection to active speakers, simplifying system setup.

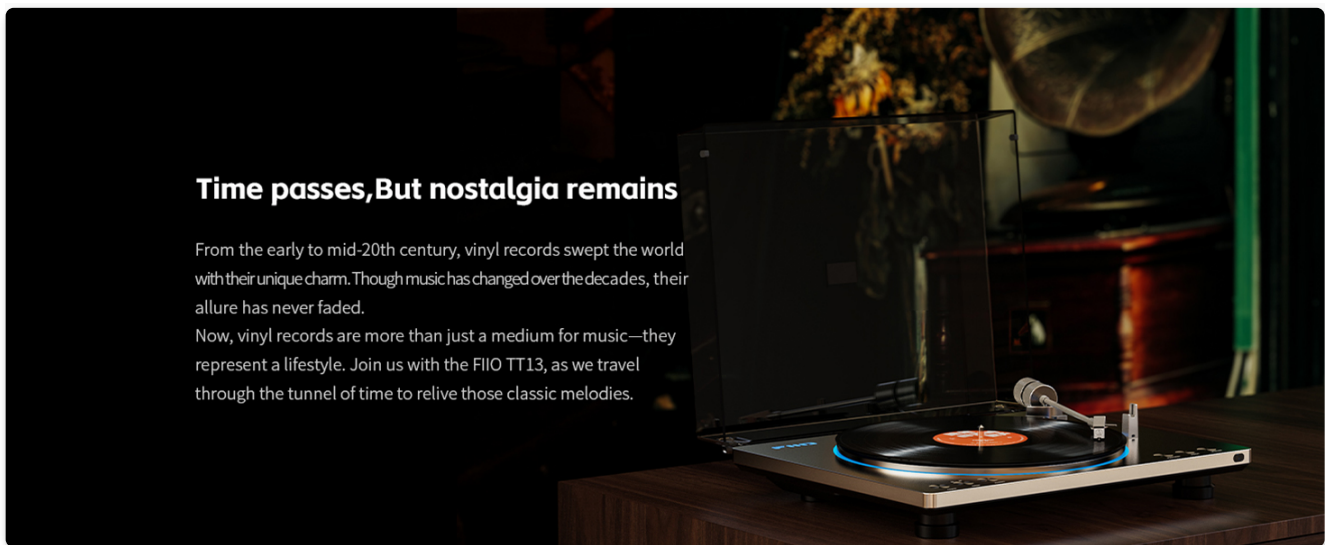


Figure 9: Built-in Powerful Phono Preamp

4.6 External Balance Adjustment

To correct any volume imbalance between the left and right channels in the analog circuit, the TT13 includes an external adjustable balance potentiometer. This allows users to fine-tune channel volume for a more balanced sound output.

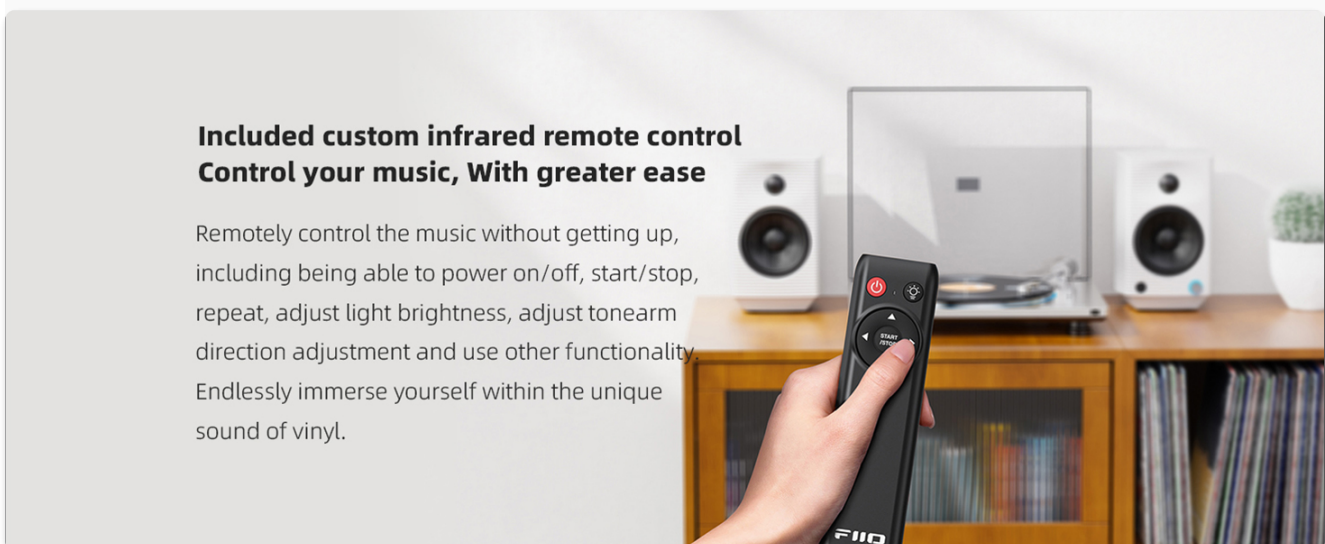


Figure 10: External Balance Adjustment

5. MAINTENANCE

5.1 General Care

- Keep the dust cover closed when not in use to protect the platter and tonearm from dust and debris.
- Clean the turntable's surface with a soft, dry cloth. Avoid abrasive cleaners or solvents.

5.2 Stylus Care

- Regularly clean the stylus using a soft brush designed for stylus cleaning, brushing from back to front.
- The TT13 comes with a replaceable Audio Technica cartridge. If sound quality degrades significantly, consider replacing the stylus or cartridge.

6. TROUBLESHOOTING

- **No Power:** Ensure the power cord is securely connected to both the turntable and a working power outlet.
- **No Sound:**
 - Check all audio cable connections between the turntable and your amplifier/speakers.
 - Ensure your amplifier/speakers are powered on and set to the correct input source.
 - If using Bluetooth, ensure the turntable is correctly paired and connected to your Bluetooth device.
- **Distorted Sound / Tonearm Issues:**
 - Ensure the record is clean and free of dust.
 - Verify the stylus is clean and not damaged.
 - If the tonearm is not tracking correctly or applying too much pressure, consult the FiiO support resources for guidance.
 - Use the external balance adjustment if there is an imbalance in channel volume.
- **Bluetooth Connectivity Issues:**
 - Ensure the turntable is in pairing mode.
 - Move the turntable closer to the Bluetooth receiving device.
 - Try unpairing and re-pairing the devices.
 - Note that some older Bluetooth receivers may have compatibility issues.

7. SPECIFICATIONS

Feature	Specification
Brand	FiiO
Model Name	TT13
Item Weight	11.23 pounds (approx. 5.1 kg)
Package Dimensions	19 x 17 x 7 inches
Material	Aluminum
Motor Type	Belt-driven
Maximum Rotational Speed	45 RPM
Compatible Devices	Speaker
Special Feature	Fully Automatic Tonearm, Built-in Phono Preamp, Bluetooth (on Bluetooth version), Customizable LED Lighting, Remote Control







8. WARRANTY AND SUPPORT

The FiiO TT13 Turntable is manufactured by FiiO. For warranty information, please refer to the warranty card included in your package or visit the official FiiO website. For technical support, troubleshooting assistance beyond

this manual, or service inquiries, please contact FiiO customer support directly.

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Related Documents - TT13

	<p>FiiO TT13 Automatic Turntable: Quick Start Guide and Operation Manual</p> <p>Comprehensive guide for the FiiO TT13 automatic turntable, covering setup, button functions, remote control, lighting effects, and important precautions. Learn to operate your vinyl player efficiently.</p>
	<p>FiiO FX15 Electrostatic 1DD 1BA Hybrid In-Ear Monitors User Manual</p> <p>User guide for the FiiO FX15 Electrostatic 1DD 1BA Hybrid In-Ear Monitors, covering wearing instructions, MMCXAssist tool usage, cable connection/disconnection, precautions, authenticity checking, warranty terms, and after-sales service.</p>
	<p>FiiO CP13 Portable Stereo Cassette Player: User Manual and Guide</p> <p>Explore the FiiO CP13 Portable Stereo Cassette Player. This guide covers button operations, charging, maintenance, safety precautions, and product specifications for your FiiO CP13.</p>
	<p>FiiO M11 Plus Portable Digital Audio Player User Manual</p> <p>Official user manual for the FiiO M11 Plus portable digital audio player (DAP). Learn about its features, specifications, operation, connectivity, and audio capabilities. Includes details from Guangzhou FiiO Electronic Technology Co., Ltd.</p>
	<p>FiiO K15 Decoding Headphone Amplifier User Manual</p> <p>A comprehensive guide to the FiiO K15 decoding headphone amplifier, detailing its features, operation, connectivity options, audio modes, app control, PEQ settings, protection mechanisms, and firmware updates.</p>
	<p>FiiO DM13 Lecteur CD Stéréo Portable - Guide de Démarrage Rapide</p> <p>Découvrez le FiiO DM13, un lecteur CD stéréo portable avec multiples sorties audio, connectivité USB REC pour l'enregistrement, et prise en charge Bluetooth. Guide de démarrage rapide et informations techniques.</p>