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› Dayton Audio Hi-Fi Floorstanding Stereo System - Black User Manual

Dayton Audio HTA100, T65, TT-1BTW

Dayton Audio Hi-Fi Floorstanding Stereo System

Models: HTA100, T65, TT-1BTW

INTRODUCTION

Thank you for purchasing the Dayton Audio Hi-Fi Floorstanding Stereo System. This comprehensive system is designed to deliver an exceptional audio experience, combining the warmth of a hybrid tube amplifier with the clarity of floorstanding speakers and the versatility of a belt-drive turntable. This manual provides essential information for the safe and optimal use of your new audio system. Please read it thoroughly before setup and operation.



Figure 1: Dayton Audio Hi-Fi Floorstanding Stereo System components.

SAFETY INFORMATION

To ensure safe operation and prevent damage, please observe the following precautions:

- **Power Source:** Connect the system only to the specified power supply voltage. Ensure the AC voltage selector switch on the HTA100 amplifier is set correctly for your region.
- **Ventilation:** Do not block any ventilation openings. Allow adequate space around the components for proper airflow to prevent overheating.
- **Water and Moisture:** Do not expose the system to rain, moisture, or excessive humidity. Do not place objects filled with liquids, such as vases, on or near the unit.
- **Heat Sources:** Keep the system away from heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- **Cleaning:** Unplug the system from the wall outlet before cleaning. Use only a dry cloth for cleaning.
- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.

- **Placement:** Place the speakers on a stable, level surface to prevent tipping. Keep the turntable away from direct sunlight, heat, and vibrations.

PACKAGE CONTENTS

Verify that all items are present in your package:

- Dayton Audio HTA100 Hybrid Tube Amplifier
- Dayton Audio T65 Floor Standing Speakers (Pair)
- Dayton Audio TT-1BTW Belt Drive Turntable with AT-VM95E Cartridge
- Remote Control for HTA100
- Power Cables (for Amplifier and Turntable)
- Speaker Cables
- RCA Cable
- User Manuals for individual components

COMPONENTS OVERVIEW

Dayton Audio HTA100 Hybrid Tube Amplifier

The HTA100 combines the warm, rich sound of vacuum tubes with the efficiency and reliability of solid-state amplification. It features multiple input options and a powerful 50 watts per channel output.



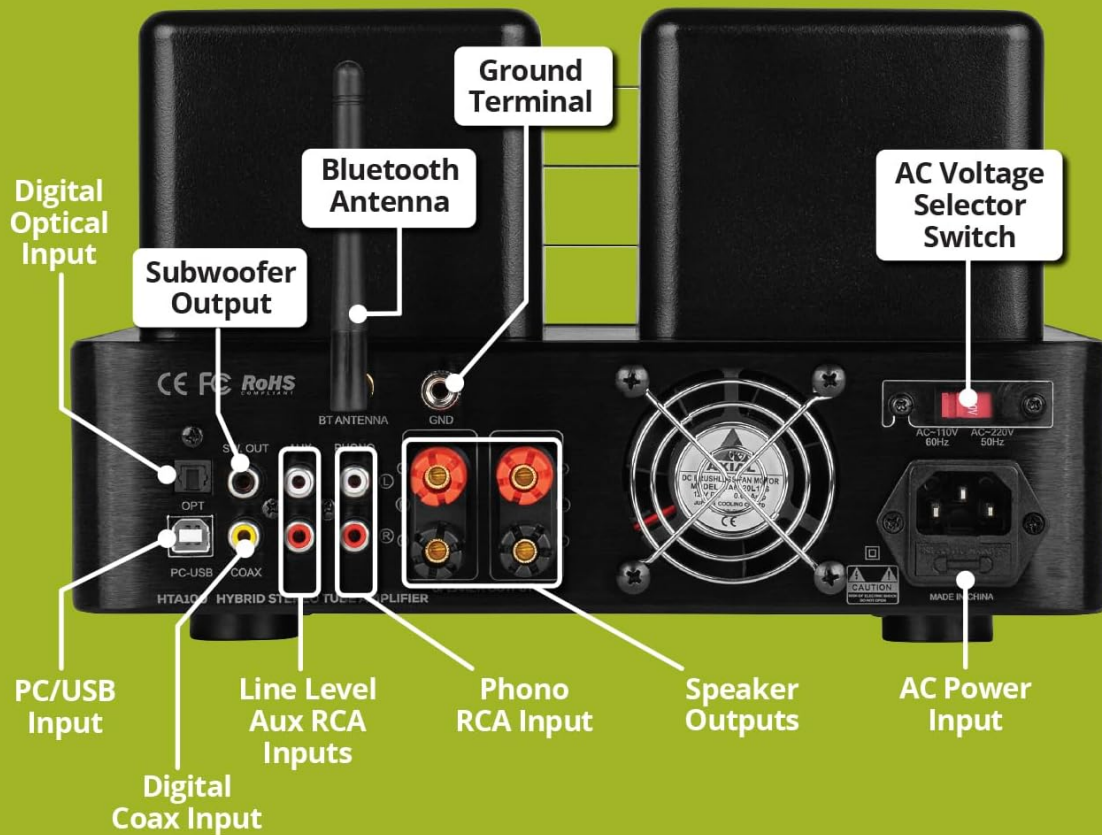
Figure 2: Dayton Audio HTA100 Front Panel.

Front Panel Controls:

- **Power Button:** Turns the amplifier on/off.
- **VU Meters:** Indicate audio output levels.
- **Bass/Treble Knobs:** Adjust low and high frequency response.
- **Input Selector:** Cycles through Phono, AUX, BT (Bluetooth), OPT (Optical), COAX (Coaxial), PC-USB inputs.
- **Headphone Jack:** For private listening.
- **Volume Knob:** Controls overall system volume.

HTA100

Integrated Stereo Hybrid Tube Amplifier 100 Watts



Back View

Figure 3: Dayton Audio HTA100 Back Panel Connections.

Back Panel Connections:

- **Digital Optical Input:** For connecting digital audio sources.
- **Subwoofer Output:** Connects to an active subwoofer.
- **Bluetooth Antenna:** For wireless Bluetooth connectivity.
- **AC Voltage Selector Switch:** Selects input voltage (115V/230V).
- **PC/USB Input:** Connects to a computer for audio playback.
- **Digital Coax Input:** For connecting digital coaxial audio sources.
- **Line Level Aux RCA Inputs:** Standard analog audio inputs.
- **Phono RCA Input:** Dedicated input for turntables with a built-in pre-amp or external phono pre-amp.
- **Speaker Outputs:** Connects to passive speakers.
- **AC Power Input:** Connects to the main power supply.
- **Ground Terminal:** For grounding the turntable.

Dayton Audio T65 Floor Standing Speakers

The T65 speakers are designed to provide rich, balanced sound with dual 6-1/2" woofers and a 1" silk dome

tweeter, supported by a crossover network for clear audio reproduction.



Figure 4: Dayton Audio T65 Floor Standing Speaker.

Features:

- Dual 6-1/2" woofers for robust bass and midrange.
- 1" silk dome tweeter for clear high frequencies.
- Rear-ported design for enhanced bass response.
- Binding post terminals for secure speaker cable connection.

Dayton Audio TT-1BTW Belt Drive Turntable

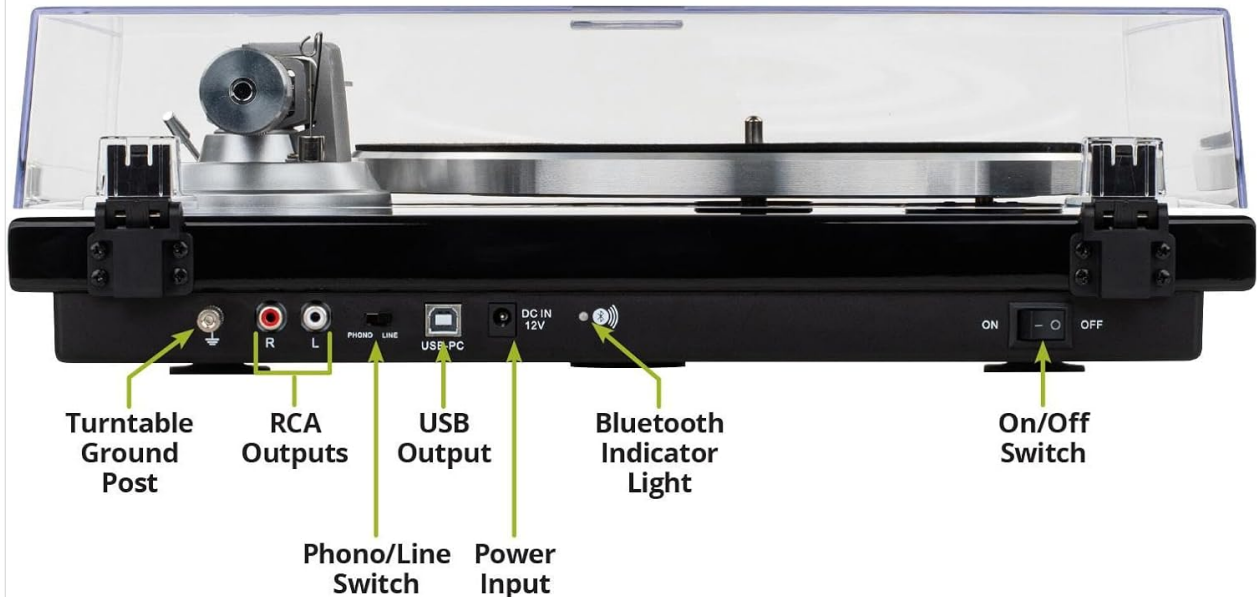
The TT-1BTW turntable offers versatile listening options with USB and Bluetooth connectivity, featuring an upgraded Audio Technica AT-VM95E Cartridge for superior playback quality.



Figure 5: Dayton Audio TT-1BTW Turntable.

TT-1BTB

Belt Drive Turntable with USB, Bluetooth,
Audio Technica AT-VM95E Cartridge - Gloss Black



Back View

Figure 6: Dayton Audio TT-1BTW Back Panel Connections.

Key Features and Connections:

- **Belt Drive System:** Provides stable platter rotation.
- **Cartridge:** Audio Technica AT-VM95E (Moving Magnet)
- **Aircraft-grade Aluminum Tonearm:** Ensures precise tracking.
- **RCA Outputs:** For connecting to an amplifier.
- **Phono/Line Switch:** Selects output level (use "Line" for HTA100's AUX input, or "Phono" for HTA100's Phono input if the turntable has a built-in pre-amp).
- **USB Output:** For digitizing vinyl records to a computer.
- **Bluetooth Connectivity:** Wirelessly stream audio to Bluetooth-enabled speakers or headphones.
- **Turntable Ground Post:** Connects to the amplifier's ground terminal to reduce hum.



Upgraded AT-VM95E Cartridge with Removable Headshell

Figure 7: AT-VM95E Cartridge.



Aircraft-grade Aluminum Tonearm

Figure 8: Aluminum Tonearm.

SETUP

Follow these steps to set up your Dayton Audio Hi-Fi Floorstanding Stereo System:

1. Speaker Placement

Position the T65 floorstanding speakers in your listening area. For optimal stereo imaging, place them equidistant from your primary listening position and spaced apart to form an equilateral triangle. Keep them away from corners to avoid excessive bass buildup.



Figure 9: Speaker Placement Example.

2. Connecting the Speakers to the HTA100 Amplifier

1. Ensure the HTA100 amplifier is turned off and unplugged from the power outlet.
2. Connect the speaker cables to the binding posts on the back of the T65 speakers. Ensure positive (+) terminals on the speaker connect to positive (+) terminals on the amplifier, and negative (-) to negative (-).
3. Connect the other end of the speaker cables to the corresponding Speaker Outputs on the back of the HTA100 amplifier. Maintain correct polarity (Red to Red, Black to Black).

3. Connecting the TT-1BTW Turntable to the HTA100 Amplifier

1. Ensure both the turntable and amplifier are turned off and unplugged.
2. Connect the RCA cables from the TT-1BTW Turntable's RCA Outputs to either the **Phono RCA Input** or **Line Level Aux RCA Inputs** on the HTA100 amplifier.
3. If using the HTA100's dedicated Phono input, ensure the Phono/Line switch on the TT-1BTW turntable is set to "Phono". If using the HTA100's AUX input, set the TT-1BTW's switch to "Line".
4. Connect the ground wire from the TT-1BTW Turntable's Ground Post to the Ground Terminal on the HTA100 amplifier to minimize hum.

4. Power Connection

1. Before plugging in the HTA100 amplifier, verify that the **AC Voltage Selector Switch** on its back panel is set to the correct voltage for your region (115V or 230V).

2. Connect the power cables to the HTA100 amplifier and TT-1BTW turntable, then plug them into a suitable wall outlet.

OPERATING INSTRUCTIONS

Powering On/Off

Press the Power Button on the front panel of the HTA100 amplifier to turn the system on or off. The tubes will glow when the amplifier is active.

Source Selection

Use the Input Selector knob on the HTA100 amplifier's front panel to choose your desired audio source:

- **Phono:** For the TT-1BTW turntable (if its Phono/Line switch is set to "Phono").
- **AUX:** For the TT-1BTW turntable (if its Phono/Line switch is set to "Line") or other analog audio devices.
- **BT (Bluetooth):** For wireless audio streaming from Bluetooth-enabled devices.
- **OPT (Optical):** For digital audio sources via optical cable.
- **COAX (Coaxial):** For digital audio sources via coaxial cable.
- **PC-USB:** For audio playback from a computer via USB cable.

Bluetooth Pairing (HTA100)

1. Select "BT" as the input source on the HTA100 amplifier. The Bluetooth indicator will flash.
2. On your Bluetooth-enabled device (smartphone, tablet, etc.), enable Bluetooth and search for available devices.
3. Select "Dayton Audio HTA100" from the list. Once paired, the Bluetooth indicator on the amplifier will glow solid.

Turntable Operation (TT-1BTW)

1. Place a vinyl record on the platter.
2. Select the appropriate speed (33 or 45 RPM) using the speed selector buttons on the turntable.
3. Carefully lift the tonearm using the cueing lever.
4. Position the stylus over the desired track on the record.
5. Gently lower the tonearm using the cueing lever. The stylus will make contact with the record, and audio will begin playing through the speakers.
6. To stop playback, lift the tonearm using the cueing lever and return it to the tonearm rest.

Volume, Bass, and Treble Control

- **Volume:** Rotate the large Volume knob on the HTA100 amplifier to adjust the overall listening level.
- **Bass:** Use the Bass knob to increase or decrease low-frequency response.
- **Treble:** Use the Treble knob to increase or decrease high-frequency response.

MAINTENANCE

Regular maintenance will help prolong the life and performance of your audio system:

- **Cleaning:** Use a soft, dry, lint-free cloth to wipe down the surfaces of the amplifier, speakers, and turntable. Avoid using abrasive cleaners, waxes, or solvents.
- **Dust Cover (Turntable):** Keep the dust cover on the TT-1BTW turntable when not in use to protect it from dust and debris.
- **Stylus Care:** Regularly clean the turntable stylus using a soft brush designed for stylus cleaning, brushing from back to front. Replace the stylus when signs of wear are apparent (typically after 300-500 hours of playback).
- **Record Care:** Keep your vinyl records clean and free of dust to prevent damage to the stylus and improve sound quality.
- **Tube Replacement (HTA100):** The vacuum tubes in the HTA100 amplifier have a finite lifespan. If you notice a degradation in sound quality or tube failure, consult qualified service personnel for replacement.

TROUBLESHOOTING

If you encounter issues with your system, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No sound from speakers.	Amplifier not powered on; incorrect input selected; speaker cables loose or incorrectly connected; volume too low.	Ensure amplifier is on; select correct input source; check all speaker cable connections for proper polarity and tightness; increase volume.
Humming or buzzing sound.	Ground loop issue (especially with turntable); unshielded cables; nearby electronic interference.	Ensure turntable ground wire is connected to amplifier ground terminal; try different power outlets; use shielded cables; move system away from other electronics.
Turntable not spinning or inconsistent speed.	Belt dislodged or broken; incorrect speed selected; power issue.	Check turntable belt for proper placement; select correct RPM (33/45); ensure turntable is powered on.

Problem	Possible Cause	Solution
Bluetooth not connecting.	HTA100 not in pairing mode; device too far; interference; previously paired device connected.	Ensure HTA100 input is set to BT and indicator is flashing; bring device closer; turn off Bluetooth on other nearby devices; try unpairing and re-pairing.
Distorted sound.	Volume too high; damaged speaker cone/stylus; incorrect input level.	Reduce volume; inspect speaker cones and turntable stylus for damage; ensure TT-1BTW Phono/Line switch matches HTA100 input.

If the problem persists after trying these solutions, please contact Dayton Audio customer support.

SPECIFICATIONS

Dayton Audio HTA100 Hybrid Tube Amplifier

- **Output Power:** 50 watts per channel (RMS)
- **Frequency Response:** 20 Hz - 20 kHz
- **Inputs:** Phono, AUX (RCA), Bluetooth 5.0, Optical, Coaxial, PC-USB
- **Outputs:** Speaker binding posts, Subwoofer pre-out, Headphone jack
- **Control Method:** Remote, Touch
- **Bluetooth Range:** 10 Meters

Dayton Audio T65 Floor Standing Speakers

- **Design:** 2-way, Bass-reflex (rear-ported)
- **Drivers:** (2) 6-1/2" Woofers, 1" Silk Dome Tweeter
- **Speaker Maximum Output Power:** 100 Watts (per speaker)
- **Connectivity Technology:** Wired (Binding Posts)

Dayton Audio TT-1BTW Belt Drive Turntable

- **Type:** Belt Drive
- **Cartridge:** Audio Technica AT-VM95E (Moving Magnet)
- **Speeds:** 33-1/3, 45 RPM
- **Outputs:** RCA (Phono/Line switchable), USB
- **Wireless Connectivity:** Bluetooth

WARRANTY AND SUPPORT

Warranty Type: Limited

Dayton Audio products are designed for reliability and performance. For specific warranty details and duration, please refer to the warranty card included with your product or visit the official Dayton Audio website. Keep your proof of purchase for warranty claims.

Customer Support

If you require technical assistance, have questions about your product, or need to arrange for service, please contact Dayton Audio customer support:

- **Website:** www.daytonaudio.com
- **Contact Information:** Refer to the "Contact Us" section on the official website for phone numbers and email support.

Please have your product model numbers (HTA100, T65, TT-1BTW) and purchase date available when contacting support.