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Dayton Audio Dayton Audio Hi-Fi Floorstanding Stereo System

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Instruction Manual

1. Introduction

Thank you for choosing the Dayton Audio Hi-Fi Floorstanding Stereo System. This system is designed to provide a premium 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 detailed instructions for the setup, operation, and maintenance of your new audio system.



Figure 1.1: Dayton Audio Hi-Fi Floorstanding Stereo System components.

This image displays the complete Dayton Audio Hi-Fi Floorstanding Stereo System, including the HTA100 hybrid tube amplifier, two T65 floorstanding speakers, and the TT-1BTW belt-drive turntable. The components are shown together, illustrating the full setup.

2. Safety Information

Please read and understand all safety instructions before operating this equipment. Retain this manual for future reference.

- **Power Source:** Connect the system only to the type of power source indicated on the marking label. Ensure the voltage is correct for your region.
- **Ventilation:** Do not block any ventilation openings. Install in accordance with the manufacturer's instructions. Allow adequate space around the amplifier for proper airflow, especially around the vacuum tubes.
- **Water and Moisture:** Do not use this apparatus near water or expose it to dripping or splashing. Do not place objects filled with liquids on the apparatus.
- **Heat:** Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- **Cleaning:** Clean only with a dry cloth. Do not use liquid cleaners or aerosol cleaners.
- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.

- **Cables:** Protect power cords from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

3. Package Contents

Verify that all items are present in your package:

- Dayton Audio HTA100 Hybrid Tube Amplifier
- Dayton Audio T65 Floorstanding Speakers (2 units)
- Dayton Audio TT-1BTW Belt Drive Turntable
- Power Cable(s)
- Speaker Cables
- RCA Audio Cable
- Turntable Platter and Belt
- Turntable Dust Cover
- User Manual (this document)

4. Setup

4.1. HTA100 Hybrid Tube Amplifier Setup

The HTA100 amplifier is the central component of your system, providing amplification and input switching.



Figure 4.1.1: Dayton Audio HTA100 Hybrid Tube Amplifier Front View.

This image shows the front panel of the HTA100 amplifier, highlighting the volume knob, input selectors, tone controls (bass, treble), headphone jack, and illuminated VU meters.



Figure 4.1.2: Dayton Audio HTA100 Hybrid Tube Amplifier Back View.

This image provides a detailed view of the HTA100 amplifier's rear panel, with labels for all input and output ports, including PC/USB, Digital Optical, Digital Coaxial, Line Level Aux RCA, Phono RCA, Subwoofer Output, Speaker Outputs, Bluetooth Antenna, Ground Terminal, AC Voltage Selector Switch, and AC Power Input.

1. **Placement:** Place the HTA100 on a stable, flat surface with adequate ventilation. Ensure there is space around the unit, especially above the tubes, to prevent overheating.
2. **Power Connection:** Ensure the AC Voltage Selector Switch on the rear panel is set to the correct voltage for your region (110V/220V). Connect the supplied power cable to the AC Power Input on the amplifier and then to a wall outlet.
3. **Speaker Connections:** Connect the speaker cables from the HTA100's Speaker Outputs to your T65 Floorstanding Speakers. Ensure correct polarity (+ to + and - to -) for each speaker.

4.2. T65 Floorstanding Speakers Setup

The T65 speakers deliver rich, balanced sound for your system.



Figure 4.2.1: Dayton Audio T65 Floorstanding Speakers.

This image shows a pair of Dayton Audio T65 floorstanding speakers, highlighting their wood finish and speaker grille. These speakers feature dual 6-1/2" woofers and a 1" silk dome tweeter.

1. **Placement:** Position the T65 speakers on a flat, stable surface. For optimal stereo imaging, place them equidistant from your listening position and spaced appropriately apart. Avoid placing them directly against walls if possible, to allow bass to develop naturally.
2. **Connection to Amplifier:** Using the supplied speaker cables, connect the positive (+) terminal of each speaker to the positive (+) terminal of the corresponding speaker output on the HTA100 amplifier. Similarly, connect the negative (-) terminals. Ensure connections are secure to prevent signal loss or short circuits.

4.3. TT-1BTW Belt Drive Turntable Setup

The TT-1BTW turntable provides versatile playback options for your vinyl collection.



Figure 4.3.1: Dayton Audio TT-1BTW Belt Drive Turntable Top View.

This image displays the top view of the TT-1BTW turntable, showing the platter, tonearm, and controls. The clear dust cover is also visible.



Figure 4.3.2: Dayton Audio TT-1BTW Belt Drive Turntable Back View.

This image shows the rear panel of the TT-1BTW turntable, with labels for the Turntable Ground Post, RCA Outputs, USB Output, Power Input, Bluetooth Indicator Light, and On/Off Switch. A Phono/Line Switch is also visible.

1. **Platter and Belt Installation:** Carefully place the platter onto the turntable spindle. Locate the drive belt and stretch it around the motor pulley and the inner rim of the platter.
2. **Cartridge:** The TT-1BTW comes with an upgraded Audio Technica AT-VM95E Cartridge pre-installed. Ensure it is securely attached to the tonearm.
3. **Connection to HTA100 Amplifier:**
    - Connect the RCA audio cable from the TT-1BTW's RCA Outputs to the HTA100's **Phono RCA Input**.
    - Connect the ground wire from the TT-1BTW's Turntable Ground Post to the HTA100's Ground Terminal.

- Ensure the **Phono/Line Switch** on the TT-1BTW's rear panel is set to **PHONO**.

4. **Power Connection:** Connect the turntable's power adapter to the Power Input on the TT-1BTW and then to a wall outlet.

5. Operating Instructions

5.1. HTA100 Amplifier Operation

1. **Power On/Off:** Press the power button on the front panel to turn the amplifier on or off. The VU meters will illuminate upon power-on.
2. **Input Selection:** Use the input selector knob on the front panel to choose your desired audio source (PHONO, AUX, BT, OPT, COAX, PC-USB).
3. **Volume Control:** Rotate the large volume knob to adjust the overall output level. Start at a low volume and gradually increase.
4. **Tone Controls:** Use the BASS and TREBLE knobs to adjust the low and high frequencies to your preference.
5. **Headphone Output:** Connect headphones to the 6.35mm headphone jack on the front panel for private listening. This will mute the speaker output.

5.2. TT-1BTW Turntable Operation

1. **Power On:** Flip the On/Off Switch on the rear panel of the turntable to the 'ON' position.
2. **Playing a Record:**
    - Place a record on the platter.
    - Select the appropriate speed (33 or 45 RPM) using the speed selector knob.
    - Release the tonearm clamp.
    - Lift the tonearm using the cueing lever.
    - Carefully position the stylus over the desired groove of the record.
    - Lower the tonearm slowly using the cueing lever. The music will begin to play.
3. **Stopping Playback:**
    - Lift the tonearm using the cueing lever.
    - Return the tonearm to its rest and secure it with the clamp.
    - Remove the record from the platter.
4. **Bluetooth Connectivity:**
    - Ensure the HTA100 amplifier is set to the 'BT' input.
    - On your Bluetooth device (e.g., smartphone, tablet), enable Bluetooth and search for available devices.
    - Select 'Dayton Audio HTA100' from the list. Once paired, the Bluetooth indicator light on the HTA100 will become solid.
    - You can now stream audio wirelessly from your device to the HTA100.
5. **USB Connectivity:**
    - Connect a USB cable from the TT-1BTW's USB Output to your computer.
    - Set the HTA100 amplifier to the 'PC-USB' input.
    - Your computer should recognize the turntable as an audio input device, allowing you to digitize your vinyl collection using appropriate software (not included).

6. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the surfaces of the amplifier, speakers, and turntable. For the turntable's dust cover, use a slightly damp cloth if necessary, then dry immediately. Avoid abrasive cleaners or solvents.
- **Stylus Care:** Regularly inspect the turntable stylus for dust and debris. Use a soft brush designed for stylus cleaning, brushing gently from back to front. A dirty stylus can degrade sound quality and damage records.
- **Record Care:** Keep your records clean and free of dust. Store them vertically in their sleeves to prevent warping.
- **Tube Life (HTA100):** The vacuum tubes in the HTA100 have a finite lifespan. If you notice a significant degradation in sound quality or unusual noise, the tubes may need replacement. Consult qualified service personnel for tube replacement.

7. Troubleshooting

Problem	Possible Cause	Solution
No power to amplifier/turntable	Power cable not connected; outlet not active; power switch off.	Check power cable connections; try a different outlet; ensure power switch is ON.
No sound from speakers	Incorrect input selected; volume too low; speaker cables loose; headphones connected.	Select correct input on HTA100; increase volume; check speaker cable connections; disconnect headphones.
Distorted sound	Volume too high; damaged speaker cable; dirty stylus; incorrect Phono/Line setting.	Reduce volume; check speaker cables; clean stylus; ensure TT-1BTW Phono/Line switch is set to PHONO for HTA100's Phono input.
Turntable hum	Ground wire not connected; interference.	Ensure turntable ground wire is securely connected to HTA100's ground terminal. Move components away from other electronics.
Bluetooth pairing issues	HTA100 not in pairing mode; device too far; interference.	Ensure HTA100 is on BT input; move device closer; restart both devices.

8. Specifications

8.1. Dayton Audio HTA100 Hybrid Tube Amplifier

- **Output Power:** 50 watts per channel
- **Inputs:** Phono, AUX (RCA), Bluetooth 5.0, Optical, Coaxial, PC-USB
- **Outputs:** Speaker terminals, Subwoofer output, Headphone output
- **Features:** Hybrid tube design, VU meters, Bass/Treble tone controls

8.2. Dayton Audio T65 Floorstanding Speakers

- **Woofer:** (2) 6-1/2 inch
- **Tweeter:** 1 inch silk dome
- **Design:** Floorstanding, Bass-reflex

8.3. Dayton Audio TT-1BTW Belt Drive Turntable

- **Drive Type:** Belt Drive
- **Cartridge:** Upgraded Audio Technica AT-VM95E

- **Connectivity:** USB, Bluetooth
- **Speeds:** 33-1/3, 45 RPM
- **Features:** Built-in phono preamp (switchable), removable headshell

9. Warranty and Support

This product is covered by a return policy allowing for refund or replacement within 30 days of purchase. For technical support, troubleshooting assistance, or warranty inquiries beyond the initial return period, please contact the seller, Parts Express, or visit the official Dayton Audio website for further support resources.
Online Resources: For the latest information, FAQs, and additional support, please visit the Dayton Audio official website.

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