AIYIMA TECH D05

AIYIMA D05 Bluetooth 5.0 OLED Digital Stereo Amplifier User Manual

Model: D05

1. Introduction

The AIYIMA D05 is a high-performance digital stereo amplifier designed for home audio systems. It features Bluetooth 5.0 with APTX and APTX LL support for high-quality wireless audio streaming, multiple wired input options including PC-USB, Optical, Coaxial, and RCA, and a dedicated subwoofer output for a 2.1 channel setup. The amplifier delivers 120W x 2 output power and incorporates a 24-bit/192 kHz DAC for superior sound reproduction. An OLED display provides clear operational status, and a remote control offers convenient access to all functions, including various EQ settings.

2. Package Contents

Please check the package for the following items:

- AIYIMA D05 Amplifier x 1
- PC-USB Cable x 1
- Remote Control x 1
- User Manual x 1
- Optical Cable x 1
- DC 32V Power Adapter x 1



Image 2.1: Contents of the AIYIMA D05 package, including the amplifier, cables, remote, and power adapter.

3. Product Overview

3.1 Front Panel



Image 3.1: Front panel of the AIYIMA D05 amplifier, showing the OLED display, power button, input select button, and volume/tone control knob.

- **ON/OFF Button:** Press to power the unit on or off.
- **SELECT Button:** Press to cycle through available audio inputs (Bluetooth, PC-USB, Optical, Coaxial, RCA).
- **OLED Display:** Shows current input, volume level, sample rate, and EQ settings.
- **Volume Control / Tone Knob:** Rotate to adjust volume. Short press to mute/unmute. Long press to enter tone control (Bass/Treble) adjustment.

3.2 Rear Panel



Image 3.2: Rear panel of the AIYIMA D05 amplifier, detailing all input and output connections including PC-USB, Optical, Coaxial, RCA, Sub Out, Speaker Outputs, and Power Input.

- **RF Antenna:** For Bluetooth signal reception.
- **PC-USB Input:** Connect to a computer for USB DAC functionality.
- **OPTICAL Input:** Connect to devices with optical digital audio output.
- **COAXIAL Input:** Connect to devices with coaxial digital audio output.
- **RCA Input (AUDIO IN):** Connect to analog audio sources.
- **SUB OUT:** RCA output for connecting an active subwoofer. This output provides low-frequency signals only.
- **SPEAKER OUTPUTS (L/R):** Connect passive speakers.
- **DC 24-36V Power Input:** Connect the provided power adapter.

4. Setup

4.1 Connecting Speakers

1. Ensure the amplifier is powered off.
2. Connect your passive speakers to the **SPEAKER OUTPUTS (L/R)** terminals on the rear panel. Ensure correct polarity (+ to + and - to -) for each speaker.

4.2 Connecting an Active Subwoofer

1. Ensure the amplifier is powered off.
2. Connect an RCA cable from the **SUB OUT** terminal on the D05 to the LFE or Line Input of your active subwoofer.

4.3 Connecting Audio Sources

Choose one of the following methods to connect your audio source:

- **Bluetooth:** Ensure the RF antenna is securely attached. Power on the D05 and select Bluetooth input. On your device (phone, tablet), search for "AIYIMA D05" and pair.
- **PC-USB:** Connect a USB cable from your computer to the **PC-USB** input on the D05. The D05 will function as an external sound card. You may need to select the D05 as the audio output device in your computer's sound settings.
- **Optical:** Connect an optical cable from your source device (e.g., TV, CD player) to the **OPTICAL** input.
- **Coaxial:** Connect a coaxial cable from your source device to the **COAXIAL** input.
- **RCA (Analog):** Connect RCA cables from your analog source device to the **RCA (AUDIO IN)** inputs.



Image 4.1: Diagram illustrating various connection options for the AIYIMA D05, including PC-USB, Optical, Coaxial, RCA, and speaker outputs.

4.4 Power Connection

1. Connect the provided DC 32V power adapter to the **DC 24-36V Power Input** on the rear panel of the D05.
2. Plug the power adapter into a suitable wall outlet.

5. Operating Instructions

5.1 Power On/Off

Press the **ON/OFF** button on the front panel or the power button on the remote control to turn the amplifier on or off.

5.2 Input Selection

Press the **SELECT** button on the front panel or the 'SELECT' button on the remote control to switch between different audio inputs (Bluetooth, PC-USB, Optical, Coaxial, RCA).

5.3 Volume Control

Rotate the large knob on the front panel clockwise to increase volume and counter-clockwise to decrease volume. Alternatively, use the **VOL+** and **VOL-** buttons on the remote control.

5.4 Mute Function

Short press the volume knob on the front panel or the 'MUTE' button on the remote control to mute or unmute the audio output.

5.5 Tone Control (Bass/Treble)

Long press the volume knob on the front panel to enter tone control mode. Rotate the knob to adjust Bass or Treble. Use the 'BASS+' / 'BASS-' and 'TREBLE+' / 'TREBLE-' buttons on the remote control for direct adjustment.

5.6 EQ Settings

The D05 offers several preset EQ effects. Use the 'EQ' button on the remote control to cycle through these settings:

- Country
- Jazz
- Rap
- LiteRock
- HeavyRock



Image 5.1: The remote control for the AIYIMA D05, highlighting buttons for input selection, volume, mute, tone control, EQ, and loudness.

5.7 Loudness Function

Press the 'LOUDN' button on the remote control to activate or deactivate the loudness function, which enhances bass and treble at low volume levels.

5.8 OLED Display Switch

Press the 'DISPLAY' button on the remote control to turn the OLED display on or off.

5.9 Bluetooth Pairing

When Bluetooth input is selected, the OLED display will show "BT Input". The device is now discoverable. On your smartphone, tablet, or computer, search for Bluetooth devices and select "AIYIMA D05" to pair. Once connected, the display will show "BT Input" along with the sample rate.

6. Maintenance

- Keep the unit in a dry, well-ventilated area, away from direct sunlight, heat sources, and moisture.
- Clean the unit with a soft, dry cloth. Do not use liquid cleaners or solvents.
- Do not attempt to open the casing or modify the unit. This will void the warranty and may cause damage or injury.
- Ensure proper ventilation around the amplifier to prevent overheating.

7. Troubleshooting

Problem	Possible Cause	Solution
No sound output	Incorrect input selected; loose speaker connections; volume too low; source device not playing audio.	Verify input selection. Check all cable connections. Increase volume. Ensure source device is playing audio.
Bluetooth connection issues	Device not in pairing mode; D05 not in Bluetooth input; interference; device too far.	Ensure D05 is on Bluetooth input. Put your device in pairing mode. Move closer to the D05. Restart both devices.
Distorted sound	Volume too high; poor cable connection; source audio quality is low.	Reduce volume. Check and secure all audio cables. Try a different audio source.
Remote control not working	Batteries are dead; obstacle between remote and D05; remote sensor blocked.	Replace remote batteries. Remove any obstacles. Ensure the remote is pointed at the D05's IR sensor.
No power	Power adapter not connected; power outlet not working.	Check power adapter connection to D05 and wall outlet. Test the outlet with another device.

8. Specifications

- **Brand:** AIYIMA
- **Model:** D05
- **Connectivity Technology:** Bluetooth 5.0 (APTX, APTX LL), PC-USB, Optical, Coaxial, RCA
- **Output Power:** 120 Watts x 2
- **Channels:** 2.1 (Stereo + Subwoofer)
- **DAC:** 24-bit/192 kHz support
- **Control Type:** Button, Remote
- **Compatible Devices:** Mobile phones, computers, tablets, televisions, MP3 players, CD players
- **Audio Output Mode:** Subwoofer, Wired Speaker Output
- **Color:** Black
- **Product Dimensions (D x W x H):** 3.7 cm x 18.3 cm x 3.7 cm
- **Item Weight:** 1 Kilogram
- **Power Input:** DC 24-36V

9. Safety Information

- Do not expose this unit to rain or moisture.
- Do not place objects filled with liquids, such as vases, on the unit.

- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Only use attachments/accessories specified by the manufacturer.
- Unplug this unit during lightning storms or when unused for long periods of time.

10. Warranty and Support

AIYIMA TECH products are designed for reliability and performance. For warranty information and technical support, please refer to the documentation provided with your purchase or visit the official AIYIMA website. Keep your proof of purchase for warranty claims.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question