Hosyond AK55

Hosyond AK55 Bluetooth Amplifier Stereo Receiver User Manual

1. INTRODUCTION

The Hosyond AK55 is a dual-channel digital audio amplifier designed for home audio systems. It features Bluetooth 5.0 connectivity, multiple input options including USB and AUX, and tone controls for bass and treble adjustment. This manual provides instructions for the proper setup, operation, and maintenance of your AK55 amplifier.

Package Contents:

- 1 x AK55 Amplifier Unit
- 1 x Power Cable
- 1 x Remote Control
- 1 x User Manual
- 1 x FM Antenna Cable

This image displays the Hosyond AK55 amplifier unit, its remote control, power cable, user manual, and FM antenna, which are all included in the package.

2. PRODUCT FEATURES

- **Dual-Channel Output:** Provides 50W + 50W rated power output, suitable for 4–16 passive speakers.
- **Bluetooth 5.0 Connectivity:** Enables stable wireless audio streaming from smartphones, tablets, and laptops.
- **Multiple Input Options:** Supports Bluetooth, AUX (3.5mm), USB, Optical, Coaxial, and FM radio inputs.
- **Tone Control:** Independent bass and treble adjustment knobs (±10dB at 100Hz/10kHz) for customized sound.
- **Microphone Inputs:** Two microphone inputs with independent volume, echo, and delay controls.
- **Dual Power Input:** Operates with AC 90–240V or DC 12V/5A power sources.
- **Remote Control:** Full-function infrared remote control for convenient operation.

BUILT IN BLUETOOTH 5.0
Excellent Compatibility

This diagram highlights the amplifier's Bluetooth 5.0 capability, showing how it wirelessly connects to devices like smartphones for audio streaming.
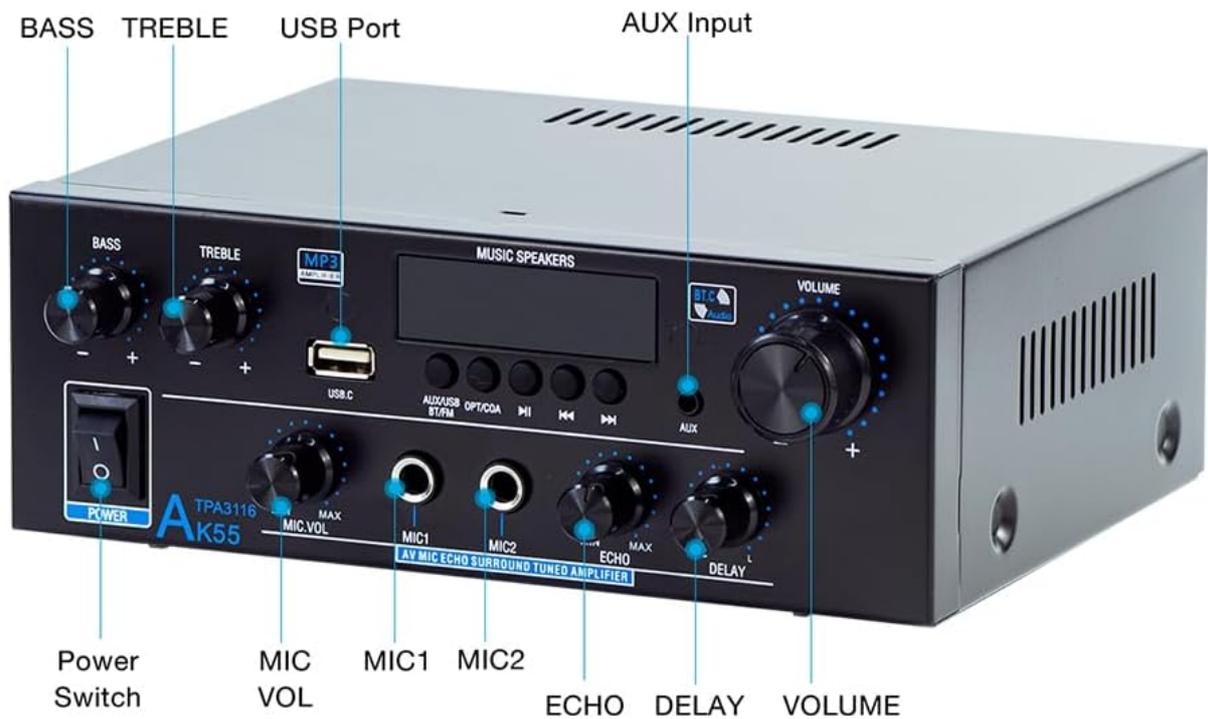
3. COMPONENT IDENTIFICATION

Front Panel:

- **POWER Switch:** Turns the unit on or off.
- **BASS Knob:** Adjusts low-frequency audio output.
- **TREBLE Knob:** Adjusts high-frequency audio output.
- **USB Port:** For playing audio from USB drives.
- **AUX Input:** 3.5mm input for external audio devices.
- **Display Screen:** Shows current mode, frequency, or track information.
- **Input Selection Buttons:** AUX/USB/OPT/COAX/BT/FM.
- **Playback Controls:** Previous, Play/Pause, Next.
- **VOLUME Knob:** Adjusts overall audio output level.
- **MIC VOL Knob:** Adjusts microphone volume.
- **MIC1/MIC2 Inputs:** 6.35mm microphone jacks.
- **ECHO Knob:** Adjusts microphone echo effect.
- **DELAY Knob:** Adjusts microphone delay effect.

Rear Panel:

- **OPTICAL Input:** Digital audio input.
- **COAXIAL Input:** Digital audio input.
- **AUDIO INPUT (L/R):** RCA stereo audio inputs (2 sets).
- **AUDIO OUTPUT (L/R):** RCA stereo audio outputs.
- **SPEAKER SYSTEM (L/R):** Screw terminals for passive speakers (4–16).
- **12V DC Input:** For external DC power supply (12V/5A).
- **AC POWER INPUT:** For connecting the AC power cable (90–240V).
- **FM ANT:** Connector for the FM antenna.

This image provides a detailed view of the amplifier's front panel controls (Bass, Treble, USB, AUX, Volume, Microphone inputs, Echo, Delay) and rear panel connections (Audio Input, Speaker Outputs, DC 12V, AC Power, FM Antenna, Optical,

4. Setup Instructions
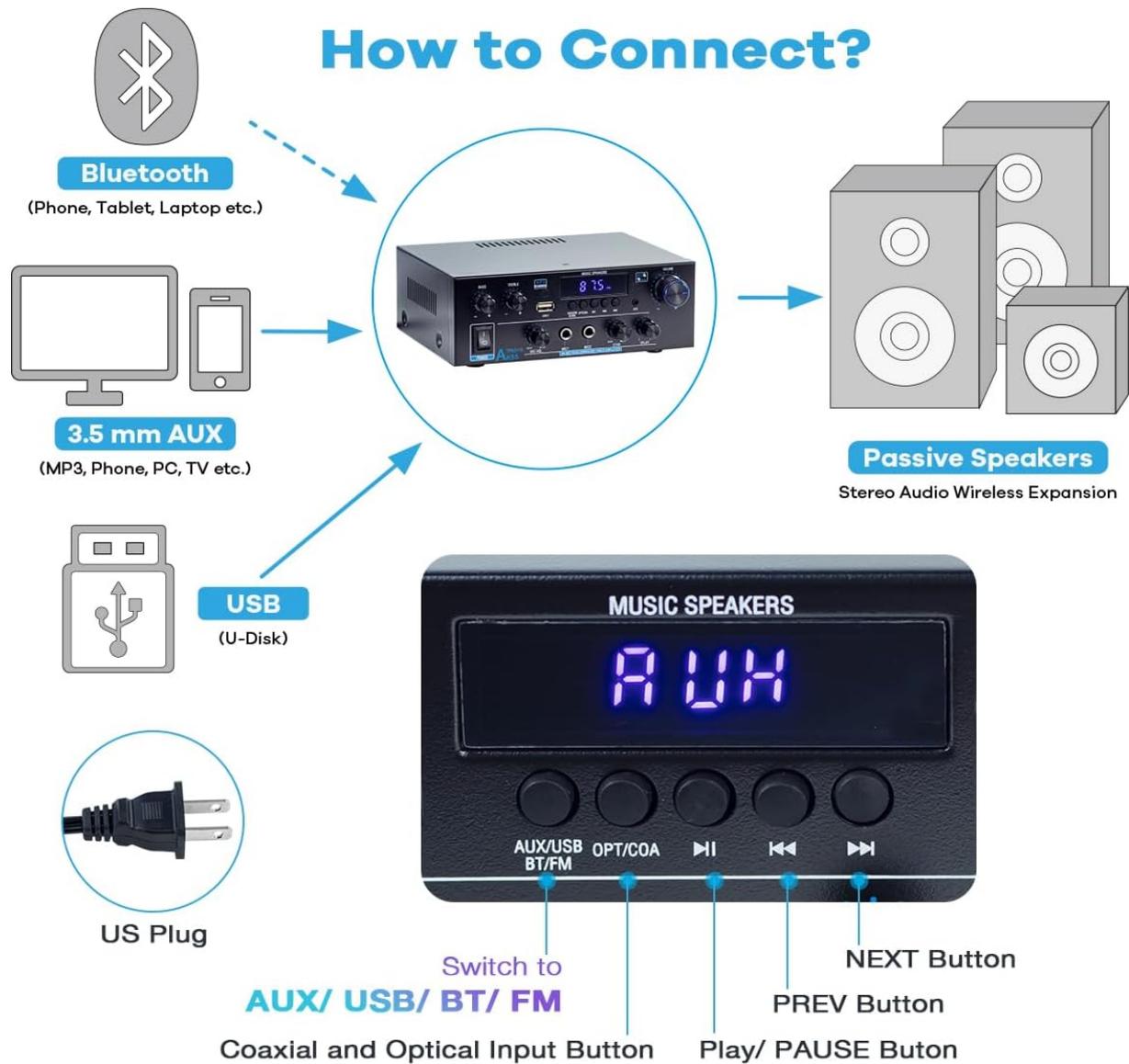
4.1 Connecting Speakers:

1. Ensure the amplifier is powered off.
2. Connect your passive speakers to the SPEAKER SYSTEM terminals on the rear panel. Match the positive (+) terminal of the amplifier to the positive (+) terminal of the speaker, and the negative (-) to the negative (-).
3. Ensure all connections are secure to prevent short circuits.

4.2 Power Connection:

1. Connect the provided AC power cable to the AC POWER INPUT on the rear panel and then to a standard wall outlet.
2. Alternatively, for DC power, connect a 12V/5A DC adapter (not included) to the 12V DC Input.

4.3 Connecting Audio Sources:

- **AUX:** Connect devices like MP3 players or phones using a 3.5mm audio cable to the front panel AUX input.
- **USB:** Insert a USB flash drive into the front panel USB port.
- **RCA:** Connect devices like CD/DVD players or TVs using RCA cables to the AUDIO INPUT (L/R) on the rear panel.
- **Optical/Coaxial:** Connect compatible digital audio sources to the OPTICAL or COAXIAL inputs on the rear panel.
- **FM Antenna:** Connect the included FM antenna cable to the FM ANT connector for radio reception.

How to Connect?

Bluetooth
(Phone, Tablet, Laptop etc.)

3.5 mm AUX
(MP3, Phone, PC, TV etc.)

USB
(U-Disk)

US Plug

Passive Speakers
Stereo Audio Wireless Expansion

MUSIC SPEAKERS

AUX

AUX/USB OPT/COA ▶❙❙ ❙◀◀ ▶▶❙
BT/FM

Switch to
AUX/ USB/ BT/ FM

Coaxial and Optical Input Button

Play/ PAUSE Buton

NEXT Button

PREV Button

This diagram provides a visual guide on connecting the amplifier to passive speakers via speaker terminals and various audio sources like Bluetooth, AUX, and USB.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off:

Press the **POWER** switch on the front panel to turn the amplifier on or off. The display will illuminate when powered on.

5.2 Input Selection:

Press the input selection buttons on the front panel (AUX/USB/OPT/COAX/BT/FM) or use the MODE button on the remote control to cycle through available audio sources.

5.3 Volume Control:

Rotate the **VOLUME** knob on the front panel or use the VOL+/- buttons on the remote control to adjust the master volume level.

5.4 Bass and Treble Adjustment:

Use the **BASS** and **TREBLE** knobs on the front panel to fine-tune the low and high frequencies of the audio output according to your preference.

5.5 Microphone Operation:

1. Connect microphones to the **MIC1** or **MIC2** inputs.
2. Adjust microphone volume using the **MIC VOL** knob.
3. Use the **ECHO** and **DELAY** knobs to add effects to the microphone audio.

6. BLUETOOTH PAIRING

1. Power on the AK55 amplifier.
2. Press the input selection button or MODE button on the remote until "BT" appears on the display. The amplifier will enter Bluetooth pairing mode, indicated by a flashing Bluetooth icon or similar indicator.
3. On your Bluetooth device (smartphone, tablet, etc.), enable Bluetooth and search for available devices.
4. Select "BT" from the list of devices to connect.
5. Once connected, the amplifier will indicate a successful pairing, and you can begin streaming audio.

7. FM RADIO OPERATION

1. Ensure the FM antenna is connected to the rear panel.
2. Select FM mode using the input selection button or MODE button on the remote.
3. Use the playback control buttons (Previous/Next) to scan for radio stations.
4. The amplifier may automatically scan and save available stations.

8. USB PLAYBACK

1. Insert a USB flash drive containing audio files into the front panel USB port.
2. Select USB mode using the input selection button or MODE button on the remote.
3. The amplifier will automatically detect and begin playing audio files from the USB drive.
4. Use the playback control buttons (Previous, Play/Pause, Next) to manage playback.

9. REMOTE CONTROL

The included remote control provides convenient access to various functions of the AK55 amplifier. Ensure two AAA batteries (not included) are installed correctly.

- **POWER:** On/Off.
- **MODE:** Cycles through input sources.
- **MUTE:** Mutes/unmutes audio.
- **VOL+/-:** Adjusts volume.
- **EQ:** Cycles through equalizer presets (if available).
- **Playback Controls:** Previous, Play/Pause, Next.
- **SCAN:** Scans for FM radio stations.
- **Number Buttons:** For direct track selection or FM frequency input.

This image demonstrates the use of the infrared remote control to manage the amplifier's functions, such as input mode selection and volume adjustment, while connected to speakers and a display.

10. MAINTENANCE

- Keep the amplifier 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 aerosols.
- Ensure proper ventilation by not blocking the vents on the unit.
- Disconnect power before cleaning or when not in use for extended periods.

11. TROUBLESHOOTING

- **No Power:** Check if the power cable is securely connected and the power switch is on. Verify the power outlet is functional.
- **No Sound:**
  - Ensure speakers are correctly connected and functional.
  - Verify the correct input source is selected.
  - Check volume levels on both the amplifier and the audio source.

- Ensure the MUTE function is not active.

- **Bluetooth Disconnection:**
    - Ensure the Bluetooth device is within range (typically 10 meters).
    - Try unpairing and re-pairing the device.
    - Ensure no other devices are interfering with the Bluetooth signal.

- **Poor FM Reception:**
    - Extend and adjust the position of the FM antenna.
    - Check for local interference.

- **Remote Control Not Working:**
    - Check and replace batteries if necessary.
    - Ensure there are no obstructions between the remote and the amplifier's IR sensor.

12. SPECIFICATIONS

Type	HiFi Stereo Amplifier
Model	AK55
Rated Power Output	50W + 50W
Audio Channel	2.0
Rated Impedance	4-16˝
Power Input	AC 90~240V or DC 12V/5A
Signal-to-Noise Ratio	95dB
Frequency Response	20Hz-20kHz
FM Frequency Range	88.1-107.9MHZ
Tone Controls (Bass & Treble)	±10dB (100Hz/10kHz)
Bluetooth Version	5.0
Dimensions	9.06 x 8.6 x 2.5 inches (approx.)
Item Weight	2.3 pounds

This image shows the physical dimensions of the AK55 amplifier and reiterates the package contents, including the remote control, power cable, user manual, and FM antenna.

13. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided with your purchase or visit the official Hosyond website. Keep your purchase receipt for warranty claims.

Related Documents - AK55

[MAOZUA Ak55 High Quality Audio Amplifier User Manual](#)
User manual providing instructions and specifications for the MAOZUA Ak55 high-quality audio amplifier, covering remote control functions, panel specifications, and technical details.