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› [Hosyond](#) /

› Hosyond AK-380 Bluetooth 5.0 Audio Amplifier User Manual

Hosyond AK-380

Hosyond AK-380 Bluetooth 5.0 Audio Amplifier User Manual

Model: AK-380

Brand: Hosyond

1. INTRODUCTION

The Hosyond AK-380 is a compact and versatile Bluetooth 5.0 audio amplifier designed to deliver clear stereo sound for passive speakers. It features multiple input options, including Bluetooth, AUX, USB, and SD card, along with an integrated FM radio function. This manual provides detailed instructions for setting up, operating, and maintaining your amplifier to ensure optimal performance.

Package Contents

- 1 x Hosyond AK-380 Audio Amplifier
- 1 x Power Supply (DC12V/5A)
- 1 x Remote Control
- 1 x FM Antenna
- 1 x User Manual

Package



Image 1.1: Contents included in the Hosyond AK-380 amplifier package, showing the amplifier unit, power supply, remote control, and FM antenna.

2. PRODUCT FEATURES

- **HIFI Stereo Amplifier:** 2.0 channels, providing 40W+40W rated power and 400W+400W peak power output, with a rated frequency of 20-20KHZ.
- **Bluetooth 5.0 Connectivity:** Built-in Bluetooth 5.0 core and YD7377 chip for stable wireless connection and good sound quality.
- **Multi-function Design:** Features an LCD display, independent treble and bass control knobs, and remote control support.
- **Integrated FM Radio:** Built-in FM function allows reception of various radio stations by connecting the included FM antenna.
- **Multiple Input Methods:** Supports Bluetooth wireless connection, 3.5mm AUX, AV audio connection, USB disk, and SD card reading (plug and play).
- **Wide Compatibility:** Compatible with mobile phones, computers, tablets, laptops, MP3/MP4 players, TVs, and projectors with AV audio output.
- **Power Supply Included:** Comes with a 12V 5A power supply.

3. SETUP GUIDE

3.1 Connecting Speakers

1. Ensure the amplifier is powered off.
2. Connect your passive speakers (4-16Ω, 2*40W recommended) to the speaker terminals on the rear panel of the amplifier. Ensure correct polarity (positive to positive, negative to negative) for each channel (Left and Right).

3.2 Connecting Audio Sources

The AK-380 supports various audio input methods:

- **AUX/AV Input:** Connect your audio device (e.g., TV, DVD player, computer) to the "AUDIO INPUT" RCA jacks on the rear panel using an appropriate RCA cable.
- **USB/SD Card:** Insert a USB flash drive or SD card into the designated slots on the front panel.
- **Bluetooth:** Refer to Section 4.2 for Bluetooth pairing instructions.

3.3 Connecting the FM Antenna

For FM radio reception, connect the included FM antenna to the "FM.ANT" terminal on the rear panel. Extend the antenna for better signal reception.

3.4 Power Connection

1. Connect the provided DC 12V/5A power adapter to the "POWER" input jack on the rear panel of the amplifier.
2. Plug the power adapter into a standard electrical outlet.



Image 3.1: Rear panel of the AK-380 amplifier showing audio input (RCA), FM antenna connection, speaker outputs (Left and Right), and DC 12V/5A power input.

4. OPERATING INSTRUCTIONS

4.1 Front Panel Controls

Widely Compatible



Phone



Laptop



TV/ TV Box



Computer



MP3/4

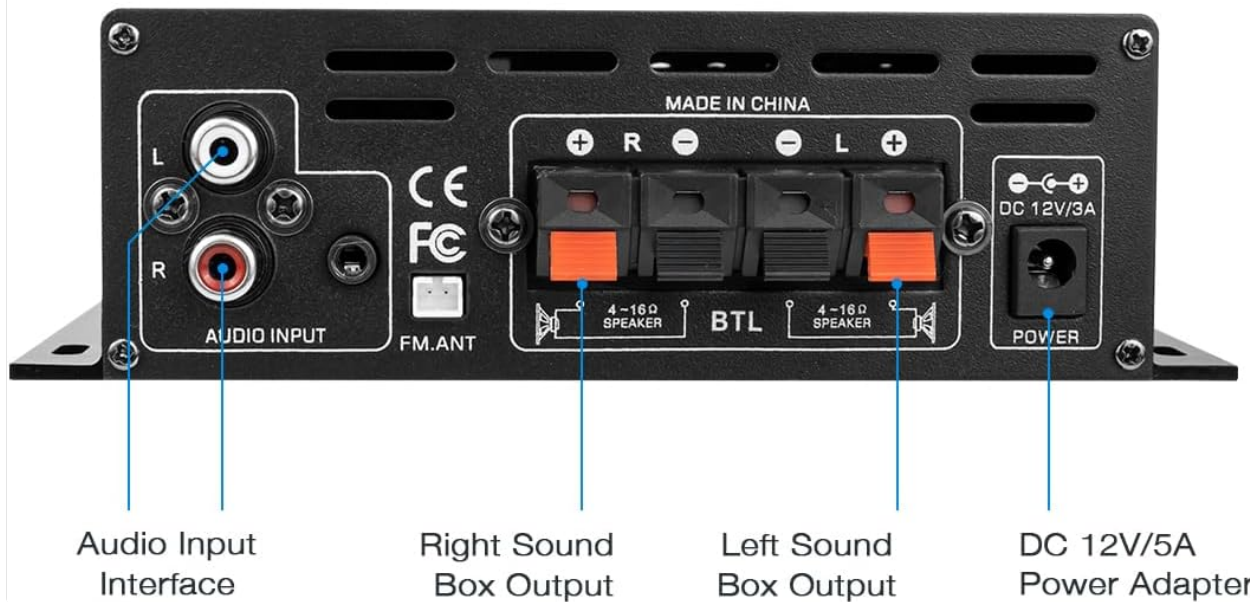


Image 4.1: Front panel of the AK-380 amplifier displaying the power switch, mode button, playback controls, bass and treble adjustment knobs, master volume knob, USB socket, and SD/MMC input slot.

- **POWER (ON/OFF):** Toggle switch to turn the amplifier on or off.
- **MODE:** Press to cycle through input modes (Bluetooth, AUX, USB, SD, FM).
- **Previous/Next:** For USB/SD/Bluetooth modes, navigate tracks. For FM mode, tune to previous/next station.
- **Play/Pause:** For USB/SD/Bluetooth modes, play or pause playback.
- **Bass Adjustment:** Rotate knob to adjust low-frequency output.
- **Treble Adjustment:** Rotate knob to adjust high-frequency output.
- **Total Volume Adjustment:** Rotate knob to control the master volume level.
- **USB Socket:** Insert USB flash drives for audio playback.
- **SD/MMC Input:** Insert SD or MMC cards for audio playback.
- **LCD Display:** Shows current mode, track information, or FM frequency.

4.2 Bluetooth Pairing

1. Turn on the amplifier using the POWER switch.
2. Press the MODE button until "BT" or "Bluetooth" appears on the LCD display. The amplifier will enter pairing mode, indicated by a flashing Bluetooth icon or text.

3. On your Bluetooth-enabled device (e.g., smartphone, tablet), go to Bluetooth settings and search for available devices.
4. Select "AK-380" from the list of devices.
5. Once paired, the amplifier will emit a confirmation tone, and the Bluetooth indicator on the display will stop flashing. You can now play audio from your device through the amplifier.

4.3 USB/SD Card Playback

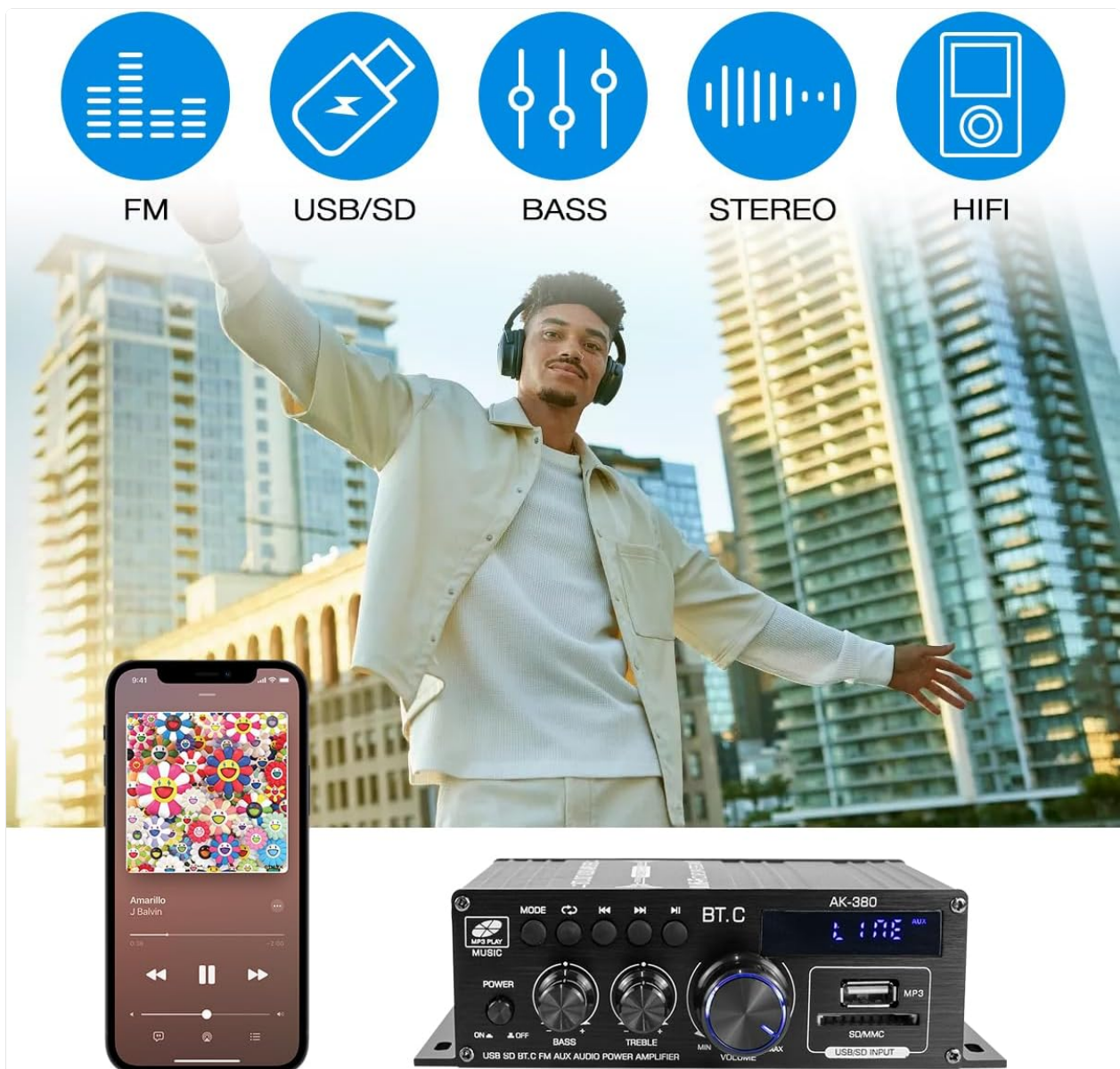
1. Insert a USB flash drive or SD card containing MP3 audio files into the respective slot on the front panel.
2. The amplifier should automatically switch to USB or SD mode and begin playback. If not, press the MODE button to select the correct input.
3. Use the Previous/Next and Play/Pause buttons on the front panel or remote control to manage playback.

4.4 FM Radio Operation

1. Ensure the FM antenna is connected.
2. Press the MODE button until "FM" appears on the LCD display.
3. Use the Previous/Next buttons to manually tune to radio stations.

4.5 Remote Control

The included remote control provides convenient access to all amplifier functions from a distance.



5. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the amplifier's exterior. Do not use liquid cleaners or solvents.
- **Ventilation:** Ensure adequate ventilation around the amplifier to prevent overheating. Do not block ventilation openings.
- **Storage:** Store the amplifier in a cool, dry place away from direct sunlight and extreme temperatures.
- **Power:** Disconnect the power adapter from the wall outlet if the amplifier will not be used for an extended period.

6. TROUBLESHOOTING

- **No Power:** Check if the power adapter is securely connected to both the amplifier and the power outlet. Ensure the POWER switch is in the ON position.
- **No Sound:**
 - Verify that speakers are correctly connected and functional.
 - Check the volume level on both the amplifier and the audio source.
 - Ensure the correct input mode is selected (Bluetooth, AUX, USB, SD, FM).
 - If using AUX/AV, confirm the audio cable is properly connected.
- **Poor Sound Quality:**
 - Adjust Bass and Treble knobs.
 - Check audio cable connections for looseness or damage.
 - Ensure the audio source is providing a clear signal.
 - If using Bluetooth, move the source device closer to the amplifier to avoid interference.
- **Bluetooth Pairing Issues:**
 - Make sure the amplifier is in Bluetooth mode.
 - Disable and re-enable Bluetooth on your source device.
 - Forget "AK-380" from your device's Bluetooth list and try pairing again.
 - Ensure no other devices are currently connected to the amplifier via Bluetooth.
- **USB/SD Card Not Playing:**
 - Ensure the USB drive or SD card contains compatible audio files (e.g., MP3).
 - Check if the card/drive is inserted correctly.
 - Try a different USB drive or SD card.

7. SPECIFICATIONS

Model	AK-380
Bluetooth Version	5.0
Channels	2.0 Channel
Rated Power	40W + 40W
Peak Power	400W + 400W
Signal to Noise Ratio	>75dB
Rated Frequency	20-20KHz
Wireless Range	Up to 33ft (10m)
Audio Input	Bluetooth, AUX, AV, SD Card, USB Flash Drive
Adapted Speaker Impedance	4-16Ω
Rated Voltage	DC12V
Power Supply	DC12V/5A
Product Dimensions	8.2in x 3.4in x 1.7in (21cm x 8.8cm x 4.5cm)
Item Weight	15.9 ounces