

Generic AV-MP326BT

# Sunbuck AV-MP326BT Stereo Amplifier

## INSTRUCTION MANUAL

Model: AV-MP326BT (CI-1019)

### Product Overview

The Sunbuck AV-MP326BT is a versatile 2-channel stereo amplifier designed for home audio systems. It features multiple input options, including 4-way microphone inputs, USB disk, and SD card support, along with Bluetooth connectivity for wireless audio streaming. The amplifier also includes an integrated EQ for sound customization and an LED display for easy operation.

Key features include:

- Support for 4-way microphone input
- Clear LED display
- 2-track output with integrated EQ
- Reverberation, fine-tuning, and balance controls
- SD card and USB interface for media playback
- Bluetooth connectivity



Figure 1: Front view of the Sunbuck AV-MP326BT amplifier, showcasing its control panel and inputs.

## Safety Instructions

Please read and understand all safety instructions before operating this device. Failure to follow these instructions may result in electric shock, fire, or damage to the unit.

- **Power Supply:** This amplifier operates on 220V-240V AC, 50/60Hz. Ensure your power source matches these requirements. Do not connect to a different voltage.
- **Ventilation:** Ensure adequate ventilation around the unit. Do not block ventilation openings. Avoid placing the amplifier in enclosed spaces or on soft surfaces that may impede airflow.
- **Moisture:** Do not expose the unit to rain, moisture, dripping, or splashing. Do not place objects filled with liquids, such as vases, on the apparatus.
- **Heat:** Keep the unit away from heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel. Opening the casing may expose you to dangerous voltage or other hazards.
- **Cleaning:** Unplug the unit from the power outlet before cleaning. Use a dry cloth for cleaning. Do not use liquid

cleaners or aerosol cleaners.

- **Placement:** Place the unit on a stable, flat surface to prevent it from falling.



Figure 2: Detail of the power switch and handle, showing the "POWER ON/OFF" label. Always ensure the unit is off before connecting or disconnecting cables.

## Setup

Follow these steps to set up your Sunbuck AV-MP326BT amplifier:

1. **Placement:** Place the amplifier on a stable, flat surface with adequate ventilation space around it.
2. **Speaker Connection:** Connect your speakers to the "SPEAKER SYSTEM" terminals on the rear panel. Ensure correct polarity (+ to + and - to -). This amplifier supports speakers with an impedance of 4 to 16 ohms.
3. **Audio Input Connection:** Connect your audio sources (e.g., CD player, DVD player, TV) to the "AUDIO INPUT" RCA jacks (L/R) on the rear panel. There are two sets of inputs labeled A and B.
4. **Microphone Connection:** If using microphones, connect them to the MIC1, MIC2, MIC3, or MIC4 inputs on the front panel.
5. **FM Antenna:** Connect the FM antenna to the "FM ANT" terminal on the rear panel for radio reception.

6. **Power Connection:** Ensure the amplifier's power switch is in the OFF position. Connect the power cord to the "POWER SOURCE 220V-240V 50Hz" input on the rear panel, then plug the other end into a suitable wall outlet.



Figure 3: Rear panel connections, including speaker terminals, audio inputs, and power input.



Figure 4: Detailed view of the "AUDIO INPUT" (A, B) and "OUTPUT" (LINE) RCA jacks.

## Operating Instructions

This section details the operation of your amplifier's various functions.

### Power On/Off

- To turn on the amplifier, press the "POWER" switch on the front panel to the ON position. The LED display will illuminate.
- To turn off the amplifier, press the "POWER" switch to the OFF position.

### Microphone Controls

- **MIC VOL:** Adjusts the overall volume of the microphones.
- **MIC1/MIC2 VOL, MIC3/MIC4 VOL:** Individual volume controls for microphone pairs.
- **TREBLE, MID, BASS (Microphone):** Adjusts the tone of the microphone input.
- **ECHO:** Controls the echo effect applied to microphone vocals.
- **DELAY:** Adjusts the delay time for the echo effect.

## Music Controls

- **MUSIC VOL:** Adjusts the overall volume of the music input.
- **TREBLE, BASS (Music):** Adjusts the tone of the music input.
- **BALANCE:** Adjusts the balance between the left and right audio channels.
- **EQ:** Use the equalizer sliders to fine-tune specific frequency ranges of the music.

## Media Playback (USB Disk / SD Card)

- Insert a USB disk or SD card (up to 64GB, not included) into the respective slot on the front panel.
- The amplifier will automatically detect and begin playing compatible audio files.
- Use the playback controls (Play/Pause, Next, Previous) on the front panel to manage media.

## Bluetooth Connectivity

- Press the "MODE" button on the front panel until "BT" (Bluetooth) is displayed.
- On your Bluetooth-enabled device (smartphone, tablet, etc.), search for available Bluetooth devices.
- Select "Sunbuck AV-MP326BT" (or similar name) from the list to pair.
- Once paired, you can stream audio wirelessly from your device to the amplifier.





Figure 5: Detailed view of the microphone and music control knobs, including Treble, Mid, Bass, Echo, Delay, and Balance.



Figure 6: Angled front view, showing the LED display, USB port, and SD card slot for media playback.

## Specifications

Feature	Specification
Voltage	220V-240V AC, 50/60Hz
Rated Power (RMS)	200W + 200W
Max Power	400W + 400W
Standard Impedance	4 to 16 ohm
Frequency Response	20Hz - 20KHz (+3dB)
Signal-to-Noise Ratio (S/N)	≥ 90dB
Distortion	≤ 0.5%



Feature	Specification
Signal Input Sensitivity	200mV (+30mV)
Microphone Input Sensitivity	9mV (+2mV)
Recording Output Level	1V
Auxiliary Output Level	1V
Type of Power Amplifier	AV Power Amplifier
Vocal Tract	2 Vocal Tract
USB Disk / SD Card Support	Max 64GB (Not included)

## Troubleshooting

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

- **No Power:**

- Ensure the power cord is securely plugged into both the amplifier and a working wall outlet.
- Check if the power switch on the front panel is in the ON position.
- Verify that the wall outlet is supplying power (test with another device).

- **No Sound Output:**

- Check all speaker connections for correct polarity and secure fit.
- Ensure the "MUSIC VOL" and "MIC VOL" knobs are turned up.
- Verify that the audio input source (e.g., CD player, phone) is connected correctly and playing audio.
- Confirm the correct input source is selected (if applicable, though this model seems to auto-detect or use mode button for BT/USB/SD).

- **Distorted Sound:**

- Reduce the "MUSIC VOL" or "MIC VOL" to prevent clipping.
- Check speaker impedance. Ensure it is within the 4-16 ohm range.
- Adjust the EQ settings.
- Ensure audio cables are not damaged and are securely connected.

- **Bluetooth Connection Issues:**

- Ensure the amplifier is in Bluetooth mode ("BT" displayed).
- Make sure Bluetooth is enabled on your source device.
- Move your source device closer to the amplifier to ensure it's within range.
- Try unpairing and re-pairing the device.

- **USB Disk / SD Card Not Reading:**

- Ensure the USB disk or SD card is inserted correctly and fully.
- Check if the media format is compatible (e.g., FAT32 for USB/SD).
- Verify that the audio files on the media are in a supported format.
- Try a different USB disk or SD card to rule out media issues.

## Maintenance

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Proper maintenance ensures the longevity and optimal performance of your amplifier.

- **Cleaning:** Regularly wipe the exterior of the amplifier with a soft, dry, lint-free cloth. Do not use abrasive cleaners, waxes, or solvents.
- **Ventilation:** Periodically check that the ventilation openings are clear of dust and debris. Use a soft brush or compressed air to gently clean them if necessary.
- **Storage:** If storing the amplifier for an extended period, unplug it from the power outlet and store it in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Cable Management:** Ensure all cables are neatly organized and not kinked or pinched, which can cause damage over time.

## Warranty and Support

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For information regarding warranty coverage and terms, please refer to the warranty policy provided at the time of purchase or contact your retailer. Keep your purchase receipt as proof of purchase for any warranty claims.

For technical support or service inquiries, please contact the vendor or retailer from whom you purchased the product. They can provide assistance with troubleshooting or guide you through the service process.