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> [SKYTRONIC](#) /

> Skytronic 103.202 Amplifier with Microphone Input User Manual

## SKYTRONIC 103.202

# Skytronic 103.202 Amplifier with Microphone Input User Manual

Model: 103.202

## 1. INTRODUCTION

Thank you for purchasing the Skytronic 103.202 Amplifier. This manual provides essential information for the safe and efficient operation of your new amplifier. Please read this manual thoroughly before use and retain it for future reference.

The Skytronic 103.202 is a stereo amplifier designed for various audio applications, featuring two microphone inputs with independent volume control and echo functionality, along with multiple line inputs for versatile connectivity. It delivers a stereo output of 2 x 50W.

## 2. SAFETY INSTRUCTIONS

To prevent fire or electric shock, do not expose this appliance to rain or moisture. Do not open the casing. Refer servicing to qualified personnel only.

- Ensure the power supply voltage matches the rating on the unit (230V AC, 50Hz).
- Do not place the unit near heat sources or in direct sunlight.
- Ensure adequate ventilation around the unit. Do not block ventilation openings.
- Protect the power cord from being walked on or pinched.
- Disconnect the unit from the mains power during lightning storms or when unused for long periods.
- Do not insert any objects into the ventilation slots.
- Clean only with a dry cloth.

**CAUTION:** Risk of electric shock. Do not open.

This symbol indicates the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

This symbol indicates that important operating and maintenance instructions are included in the literature accompanying this appliance.

## 3. PACKAGE CONTENTS

Please check that all items are present and in good condition upon opening the package:

- Skytronic 103.202 Amplifier Unit
- Power Cable
- User Manual (this document)

## 4. PRODUCT OVERVIEW

### 4.1 Front Panel



Figure 4.1: Front view of the Skytronic 103.202 amplifier, showing all controls and inputs.

1. **POWER Button:** Toggles the amplifier power ON/OFF.
2. **BALANCE Control:** Adjusts the left/right channel balance.
3. **BASS Control:** Adjusts the low-frequency (bass) level.
4. **TREBLE Control:** Adjusts the high-frequency (treble) level.
5. **MIC1/MIC2 Inputs:** 6.3mm jack inputs for microphones.
6. **M.VOL (Microphone Volume) Control:** Adjusts the overall volume of the microphone inputs.
7. **ECHO Control:** Adjusts the echo effect level for microphones.
8. **CD/VCD Input Selector:** Selects the CD/VCD audio input.
9. **AUX Input Selector:** Selects the AUX audio input.
10. **MUTE Button:** Mutes the audio output.
11. **VOLUME Control:** Adjusts the master volume of the amplifier.
12. **Display with Vumeter:** Shows input selection and audio level indicators.

### 4.2 Rear Panel



Figure 4.2: Rear view of the Skytronic 103.202 amplifier, showing input/output connections and power inlet.

1. **INPUT (CD/VCD, AC-3, AUX):** RCA stereo inputs for connecting audio sources like CD/DVD players, media players, or other audio devices.
2. **OUT (LINE):** RCA stereo line output for connecting to another amplifier or recording device.
3. **SPEAKERS OUTPUT (FR, FL):** Spring clip terminals for connecting passive speakers (4-8 Ohms). FR for Front Right, FL for Front Left.
4. **INPUT AC:** IEC power inlet for connecting the supplied power cable.

## 5. SETUP

Follow these steps to set up your Skytronic 103.202 amplifier:

1. **Placement:** Place the amplifier on a stable, flat surface with adequate ventilation. Avoid placing it near heat sources or in direct sunlight.
2. **Speaker Connection:**
  - Connect your passive speakers to the "SPEAKERS OUTPUT" terminals on the rear panel.
  - Ensure correct polarity: connect the positive (+) terminal of the amplifier to the positive (+) terminal of the speaker, and the negative (-) terminal of the amplifier to the negative (-) terminal of the speaker.
  - The amplifier supports speakers with an impedance of 4-8 Ohms.
3. **Audio Source Connection:**
  - Connect your audio sources (e.g., CD player, DVD player, media player) to the desired "INPUT" RCA jacks on the rear panel (CD/VCD, AC-3, or AUX).
  - For microphone use, connect microphones to the MIC1 or MIC2 inputs on the front panel.
4. **Power Connection:**
  - Ensure the amplifier's power switch is in the OFF position.
  - Connect the supplied power cable to the "INPUT AC" inlet on the rear panel and then to a suitable wall outlet (230V AC, 50Hz).

## 6. OPERATING INSTRUCTIONS

1. **Power On:** Press the "POWER" button on the front panel to turn on the amplifier. The display will illuminate.
2. **Select Input:** Use the "CD/VCD" or "AUX" selector buttons on the front panel to choose the desired audio input source.
3. **Adjust Volume:** Slowly turn the "VOLUME" control clockwise to increase the master volume to a comfortable listening level.

4. **Tone Control:** Use the "BASS" and "TREBLE" controls to adjust the low and high frequencies according to your preference.
5. **Balance Control:** Adjust the "BALANCE" control to fine-tune the left/right channel balance.
6. **Microphone Usage:**
  - Connect your microphones to the "MIC1" or "MIC2" inputs.
  - Adjust the "M.VOL" control to set the microphone volume.
  - Use the "ECHO" control to add or remove echo effect to the microphone sound.
7. **Mute Function:** Press the "MUTE" button to temporarily silence the audio output. Press it again to unmute.
8. **Power Off:** Press the "POWER" button again to turn off the amplifier when not in use.

## 7. MAINTENANCE

Proper maintenance ensures the longevity of your amplifier:

- **Cleaning:** Disconnect the power before cleaning. Use a soft, dry cloth to wipe the exterior of the unit. Do not use liquid cleaners or aerosols.
- **Ventilation:** Ensure that the ventilation openings are clear of dust and debris. Periodically check and clean if necessary.
- **Storage:** If storing the amplifier for an extended period, disconnect it from power and store it in a cool, dry place away from direct sunlight and extreme temperatures.
- **Servicing:** Do not attempt to service the unit yourself. Refer all servicing to qualified service personnel.

## 8. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
No power	Power cable not connected; Power outlet faulty; Power switch OFF.	Ensure power cable is securely connected; Try a different outlet; Turn power switch ON.
No sound output	Incorrect input selected; Volume too low; Speakers not connected or faulty; Mute function active.	Select correct input; Increase VOLUME; Check speaker connections and polarity; Deactivate MUTE.
Distorted sound	Volume too high; Input signal too strong; Speaker impedance mismatch.	Reduce VOLUME; Check input source level; Ensure speakers are 4-8 Ohms.
Microphone not working	Microphone not connected; M.VOL too low; Microphone faulty.	Connect microphone securely; Increase M.VOL; Test with another microphone.

If the problem persists after trying these solutions, please contact qualified service personnel.

## 9. SPECIFICATIONS

<b>Model</b>	103.202
<b>Output Power</b>	2 x 50W Stereo (100 Watt total)
<b>Speaker Impedance</b>	4-8 Ohms

<b>Surround Sound Channel Configuration</b>	2.0 channels
<b>Inputs</b>	2 x Microphone (6.3mm jack), 2 x Line (RCA - CD/VCD, AUX), 1 x AC-3 (RCA)
<b>Outputs</b>	Speaker (Spring clip), 1 x Line (RCA)
<b>Power Supply</b>	230V AC, 50Hz
<b>Dimensions (W x D x H)</b>	280 x 220 x 95 mm
<b>Weight</b>	2.6 kg
<b>Color</b>	Black

## 10. WARRANTY AND SUPPORT

Skytronic products are designed and manufactured to the highest standards. For warranty information and technical support, please refer to the warranty card included with your purchase or visit the official Skytronic website. Please retain your proof of purchase for any warranty claims.

For service or support, please contact your local dealer or the manufacturer directly. Do not attempt to repair the unit yourself.