

Hisonic HS120BT

Hisonic HS120BT Portable PA System User Manual

Model: HS120BT

1. INTRODUCTION

The Hisonic HS120BT is a compact and lightweight portable PA system designed for sound amplification in various settings. It features a powerful 40-watt speaker, a built-in VHF wireless microphone system, and Bluetooth connectivity for streaming audio from mobile devices. This system is powered by a rechargeable Li-ion battery, offering extended use, and includes options for AC power or 12V DC car power. It is an ideal solution for professionals requiring portable sound amplification.

2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- HS120BT Portable PA System Unit
- Wireless Handheld Microphone
- Wireless Belt-pack Transmitter
- Headset Microphone
- Lapel Microphone
- AC Power/Charging Cord
- 12V DC Car Power Cord
- 9V Batteries (2 for microphones)
- Carrying Bag
- User Manual (this document)



Image: The Hisonic HS120BT Portable PA System shown with its custom carrying bag.

3. PRODUCT OVERVIEW

3.1 Main Unit





Image: Front-side view of the Hisonic HS120BT Portable PA System, highlighting the speaker grille and control panel.

The main unit houses the speaker, amplifier, control panel, and battery. It features a durable ABS plastic casing and a convenient carrying handle.

3.2 Control Panel



Image: Top view of the Hisonic HS120BT control panel, showing various knobs and indicator lights.

The top panel includes controls for:

- **Wired Mic I / Wired Mic II Volume:** Adjusts the input level for wired microphones.
- **Wireless Mic Volume:** Adjusts the input level for wireless microphones.
- **Audio Volume:** Master volume control for all audio outputs.
- **Echo:** Adjusts the echo effect level.

- **Tone:** Adjusts the tonal balance (bass/treble).

Indicator Lights:

- **BT:** Bluetooth status indicator.
- **Power:** System power status.
- **Charge:** Battery charging status.
- **RF:** Wireless microphone signal indicator.

3.3 Input/Output Ports



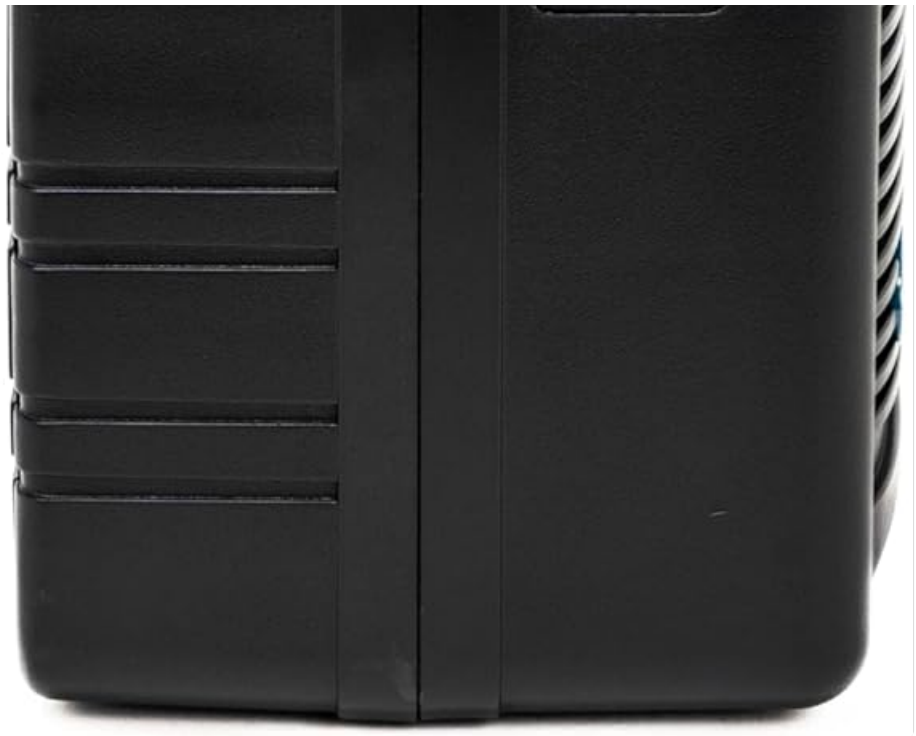


Image: Side view of the Hisonic HS120BT, detailing the various input and output ports.

The side panel features:

- **Wired Mic I / Wired Mic II:** 1/4" (6.35mm) inputs for additional wired microphones.
- **AUX IN:** 3.5mm input for connecting external audio devices (e.g., MP3 players).
- **AUX OUT:** 3.5mm output for connecting to another audio system or recording device.
- **DC 12V | 2A:** Power input for AC adapter or 12V car cable.

4. SETUP

4.1 Powering the System

The HS120BT can be powered in three ways:

1. **Internal Rechargeable Battery:** The system is equipped with a Li-ion rechargeable battery. For first use, fully charge the battery using the AC power cord. The 'Charge' indicator will illuminate during charging and turn off when fully charged. A full charge provides up to 12 hours of continuous use.
2. **AC Power:** Connect the supplied AC power/charging cord to the 'DC 12V | 2A' input on the unit and plug it into a standard AC 110V/60Hz wall outlet. The unit can operate while charging.
3. **12V DC Car Power:** For use in an automobile, connect the supplied 12V DC car power cord to the 'DC 12V | 2A' input and to your vehicle's 12V accessory outlet.

4.2 Microphone Setup



Image: The wireless handheld microphone and the belt-pack transmitter with both headset and lapel microphone options.

The system includes a VHF wireless microphone system and inputs for wired microphones.

1. **Wireless Microphones:**

- Insert the supplied 9V battery into the handheld microphone or the belt-pack transmitter.
- For the belt-pack, connect either the headset or lapel microphone to its input jack.
- Turn on the wireless microphone. The 'RF' indicator on the PA system should light up, indicating a successful connection.
- *Note: Only one wireless microphone (handheld or belt-pack) can be used at any given time.*

2. **Wired Microphones:** Connect up to two wired microphones (not included) to the 'Wired Mic I' and 'Wired Mic II' 1/4" input jacks on the side panel.

4.3 Bluetooth Connectivity

To connect a Bluetooth device:

1. Turn on the HS120BT PA system.
2. Press the 'BT ON/OFF' button on the front panel. The 'BT' indicator light will flash, indicating pairing mode.

3. On your mobile device (phone, tablet, laptop), enable Bluetooth and search for available devices.
4. Select "HS120BT" from the list of devices.
5. Once paired, the 'BT' indicator light will become solid, and you can stream audio wirelessly. The Bluetooth range is approximately 10 feet.

4.4 Auxiliary Input

To connect an external audio device via cable (not included):

1. Connect one end of a 3.5mm audio cable to the 'AUX IN' port on the HS120BT.
2. Connect the other end of the cable to the headphone jack or audio output of your external device (e.g., MP3 player).
3. Adjust the volume on both the external device and the HS120BT.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off

Locate the 'ON/OFF/CHARGE' switch on the side of the unit. Slide it to 'ON' to power on the system. Slide it to 'OFF' to power off. The 'CHARGE' position is for charging the internal battery when the unit is off.

5.2 Using Microphones

1. Ensure microphones are properly connected and powered on as described in Section 4.2.
2. Adjust the 'Wired Mic I', 'Wired Mic II', or 'Wireless Mic' volume knobs on the control panel to achieve the desired microphone input level.
3. Speak into the microphone at a consistent distance for optimal sound quality.

5.3 Adjusting Sound

Use the following knobs on the control panel to fine-tune the audio output:

- **Audio Volume:** This is the master volume control. Adjust it to set the overall loudness of the system.
- **Echo:** Rotate this knob clockwise to add an echo effect to the microphone audio.
- **Tone:** Adjust this knob to modify the bass and treble frequencies. Turn clockwise for brighter sound, counter-clockwise for warmer sound.

5.4 Playing Bluetooth Audio

Once your device is paired via Bluetooth (Section 4.3), simply start playing audio on your connected device. The sound will be routed through the HS120BT PA system. Adjust the 'Audio Volume' knob on the PA system and the volume on your source device for desired output.

5.5 Using Auxiliary Output

The 'AUX OUT' port allows you to send the mixed audio from the HS120BT to another amplifier, mixer, or recording device. Connect a 3.5mm audio cable from the 'AUX OUT' port to the input of your desired external audio equipment.

6. CARE AND MAINTENANCE

6.1 Battery Care

- To prolong battery life, fully charge the unit before first use and after each use.
- Avoid completely draining the battery frequently.
- If storing the unit for an extended period, charge the battery to approximately 50% every 3-6 months.
- The internal Li-ion battery is replaceable by qualified service personnel if needed.

6.2 Cleaning

- Wipe the exterior of the unit with a soft, dry cloth.
- Do not use abrasive cleaners, waxes, or solvents.
- Keep the speaker grille free from dust and debris.

6.3 Storage

- Store the unit in a cool, dry place away from direct sunlight and extreme temperatures.
- If possible, store the unit in its original packaging or the provided carrying bag to protect it from dust and physical damage.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Battery drained; AC adapter not connected; Power switch off.	Charge the battery; Connect AC adapter; Ensure power switch is in 'ON' position.
No sound from microphones	Microphone off; Batteries low/dead; Volume knobs low; Wireless mic not paired; Wired mic not fully plugged in.	Turn on microphone; Replace batteries; Increase mic volume knobs; Ensure wireless mic is paired (RF light on); Check wired mic connection.
Bluetooth not connecting	Bluetooth not enabled on device; HS120BT not in pairing mode; Device out of range.	Enable Bluetooth on your device; Press 'BT ON/OFF' button to enter pairing mode (flashing BT light); Move device closer to PA system (within 10 feet).
Distorted sound	Volume too high; Microphone too close to speaker; Tone setting incorrect.	Reduce 'Audio Volume'; Avoid pointing microphone directly at speaker; Adjust 'Tone' knob.
Wireless microphone cutting out	Low battery in microphone; Interference; Out of range.	Replace microphone battery; Move away from other electronic devices; Stay within 100 feet transmission range.

8. SPECIFICATIONS

Feature	Specification
Output Wattage	40 Watts
VHF Wireless Mic Frequency	174.00 MHz - 216 MHz

Feature	Specification
Wireless Transmission Range	100 feet
Bluetooth Range	10 feet
Input Power	AC 110V/60Hz
Battery Type	Lithium Ion (Li-ion)
Battery Life	Up to 12 hours (fully charged)
Audio Inputs	2 x 1/4" Wired Mic, 1 x 3.5mm AUX IN, Bluetooth
Audio Outputs	1 x 3.5mm AUX OUT
Material	ABS plastic
Dimensions (L x W x H)	11.81 x 4.33 x 7.09 inches (approx. 11" X 7" X 4.5")
Net Weight (speaker)	4 lbs
Model Number	HS120BT
UPC	851567004204

9. WARRANTY INFORMATION

Hisonic products are designed for reliability and performance. Specific warranty terms and conditions are typically provided with your purchase documentation or can be found on the official Hisonic website. Please retain your proof of purchase for any warranty claims.

10. CUSTOMER SUPPORT

For technical assistance, service, or further inquiries regarding your Hisonic HS120BT Portable PA System, please refer to the contact information provided in your product packaging or visit the official Hisonic customer support website. When contacting support, please have your model number (HS120BT) and purchase details ready.