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› KAYOTOM ST-8600 4G LTE Mobile Radio User Manual

KAYOTOM ST-8600

KAYOTOM ST-8600 4G LTE Mobile Radio User Manual

Model: ST-8600

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your KAYOTOM ST-8600 4G LTE Mobile Radio. Please read this manual thoroughly before using the device to ensure proper function and safety. The KAYOTOM ST-8600 is designed for in-vehicle and fleet communication, offering unlimited range via 4G LTE networks.

PACKAGE CONTENTS

Verify that all items are present in your package:

- 2 x KAYOTOM ST-8600 Mobile Radio Units (with pre-installed SIM cards)
- 2 x Antennas
- 2 x Handheld Microphones
- 2 x Mounting Brackets
- 2 x USB Power Cables
- 1 x User Manual

PRODUCT OVERVIEW

Familiarize yourself with the main components of the KAYOTOM ST-8600 mobile radio.



Figure 1: Front Panel View. This image displays the front panel of the KAYOTOM ST-8600 mobile radio, showing the display screen, function buttons (P1, P2, P3, OK, Up, Down, C), SOS button, and microphone port.



Figure 2: Rear Panel View. This image shows the rear panel of the radio, highlighting the antenna (ANT) connector, DC power input (DC IN), and an optional GPS port.



Figure 3: Angled Front View. An angled perspective of the radio, providing a clearer view of the display and side controls.

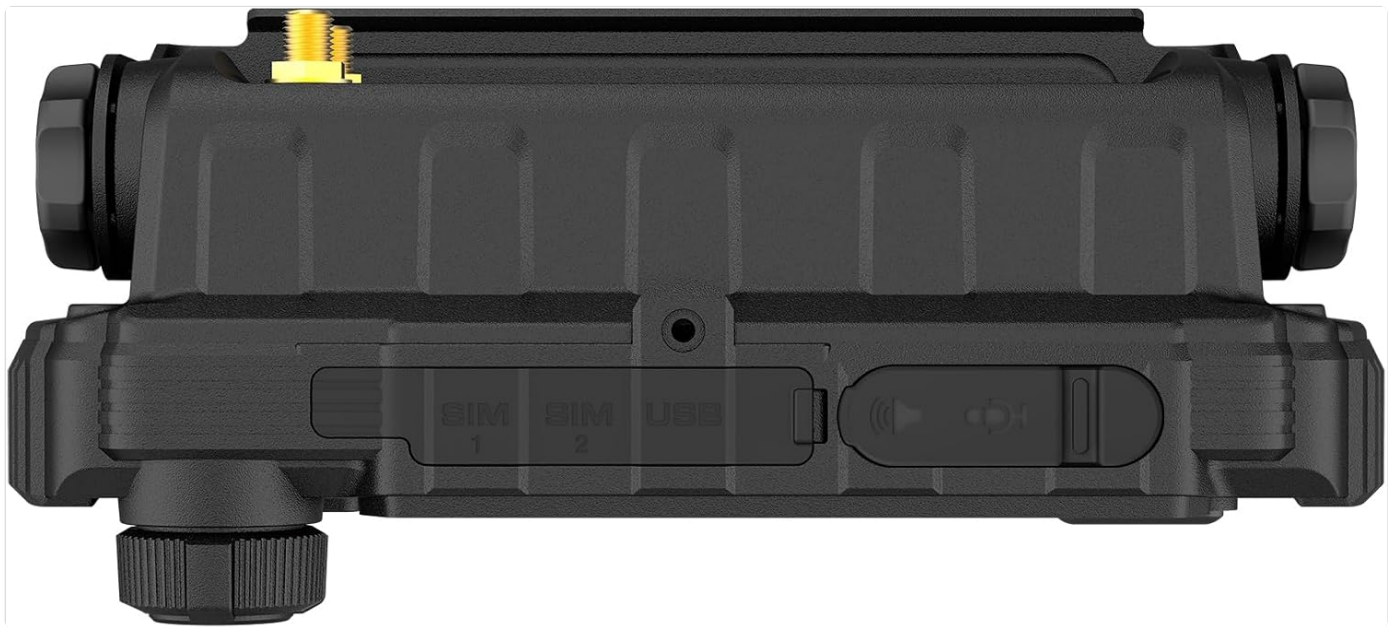


Figure 4: Top Panel View. This image illustrates the top of the radio, featuring SIM card slots (SIM 1, SIM 2) and a USB port.



Figure 5: Side View with Mounting Bracket. A side view demonstrating how the mounting bracket attaches to the radio.



Figure 6: Front Panel with Display. Another front view, showing the display screen active, indicating network status or branding.

SETUP AND INSTALLATION

1. Mounting the Radio

1. Select a suitable location in your vehicle that allows for clear visibility of the display and easy access to controls, without obstructing driving.
2. Attach the mounting bracket to the chosen surface using appropriate screws (not included). Ensure the bracket is securely fastened.
3. Slide the KAYOTOM ST-8600 radio into the mounting bracket until it clicks into place. Adjust the angle for optimal viewing.

2. Antenna Connection

1. Locate the ANT connector on the rear of the radio (refer to Figure 2).
2. Carefully screw the provided antenna onto the ANT connector. Do not overtighten.
3. Position the antenna for optimal signal reception, typically vertically and clear of obstructions.

3. Power Connection

1. Connect one end of the USB power cable to the DC IN port on the rear of the radio (refer to Figure 2).
2. Connect the other end of the USB power cable to a compatible 4.2V DC power source in your vehicle. Ensure the power source can provide sufficient current.
3. The radio will power on automatically or can be powered on using the designated power button.

4. Microphone Connection

1. Plug the handheld microphone into the microphone port on the front panel of the radio (refer to Figure 1).
2. Ensure the connection is secure.

OPERATING INSTRUCTIONS

1. Power On/Off

- **Power On:** Press and hold the power button (usually located on the side or front panel) until the display illuminates.
- **Power Off:** Press and hold the power button until a shutdown prompt appears, then confirm.

2. Network Connection

The radio comes with a pre-installed SIM card for 4G LTE connectivity. Upon powering on, the device will automatically attempt to connect to the network. The network status will be displayed on the screen.

3. Group Communication (POC - Push-to-Talk Over Cellular)

1. **Select Group:** Use the Up/Down arrow buttons (refer to Figure 1) to navigate through available talk groups. Press the **OK** button to confirm your selection.
2. **Transmit:** Press and hold the PTT (Push-to-Talk) button on the handheld microphone to transmit your voice. Speak clearly into the microphone.
3. **Receive:** Release the PTT button to listen for incoming transmissions.

4. Programmable Buttons (P1, P2, P3)

The P1, P2, and P3 buttons (refer to Figure 1) are programmable for quick access to frequently used functions such as channel scan, emergency call, or specific group selection. Refer to the on-screen menu or advanced settings for customization options.

5. Emergency (SOS) Function

In an emergency, press the **SOS** button (refer to Figure 1). This will typically send an alert to pre-configured contacts or emergency groups, and may initiate an emergency call.

MAINTENANCE AND CARE

- **Cleaning:** Use a soft, dry cloth to clean the radio's exterior. Do not use harsh chemicals or abrasive cleaners.
- **Environment:** Avoid exposing the radio to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture. The device is not water-resistant.
- **Antenna:** Ensure the antenna is always securely connected during operation. Avoid bending or damaging the antenna.
- **SIM Card:** The SIM card is pre-installed. Do not attempt to remove or replace it unless instructed by customer support.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Radio does not power on.	No power supply or loose connection.	Check power cable connection. Ensure vehicle power source is active.
No network signal.	Out of 4G LTE coverage area; antenna not connected properly.	Move to an area with better cellular coverage. Check antenna connection.

Problem	Possible Cause	Solution
Cannot transmit or receive.	Incorrect group selected; microphone not connected; network issue.	Verify correct talk group. Ensure microphone is securely plugged in. Check network status.
Audio is unclear or distorted.	Weak signal; microphone obstruction; volume too low/high.	Adjust volume. Ensure microphone is clear. Check signal strength.

If the problem persists after attempting these solutions, please contact KAYOTOM customer support.

SPECIFICATIONS

- **Model:** ST-8600
- **Brand:** KAYOTOM
- **Connectivity:** 4G LTE (with pre-installed SIM)
- **Communication Type:** POC (Push-to-Talk Over Cellular)
- **Talking Range:** Unlimited (Nationwide/Global via 4G LTE)
- **Number of Channels:** 200
- **Special Features:** Connect handheld 4G radio, Digital Display, Emergency Alarm, Noise Reduction
- **Voltage:** 4.2 Volts (DC)
- **Product Dimensions:** 1.22"D x 2.08"W x 2.83"H
- **Item Weight:** 0.8 Kilograms (1.76 pounds)
- **Water Resistance Level:** Not Water Resistant

WARRANTY INFORMATION

The KAYOTOM ST-8600 Mobile Radio comes with a **1-year warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or exposure to conditions beyond the product's specifications (e.g., water damage). Please retain your proof of purchase for warranty claims.

SUPPORT AND CONTACT

For technical assistance, troubleshooting, or warranty inquiries, please contact KAYOTOM customer support through the following channels:

- **Online Support:** Visit the official KAYOTOM website for FAQs and support resources.
- **Email:** Refer to your product packaging or the KAYOTOM website for customer service email addresses.

When contacting support, please have your product model (ST-8600) and purchase information ready.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

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