

ICOM IC-R6 Sport

Icom R6 Sport Wide Band Handheld Communications Receiver

USER MANUAL

Introduction

This manual provides essential information for the safe and effective operation of your Icom R6 Sport Wide Band Handheld Communications Receiver. Please read this manual thoroughly before using the receiver to ensure proper functionality and to prevent damage.

The Icom R6 Sport is a versatile and compact receiver designed for wideband frequency coverage, offering superior sensitivity and resistance to interference. It is capable of receiving a broad range of communications, including amateur radio, AM/FM broadcasts, shortwave, and various utility signals.





Front view of the Icom R6 Sport Wide Band Handheld Communications Receiver, showing the display, control buttons, and antenna. The screen displays '1309.995 FM'. Below the screen are control buttons labeled 'BAND', 'TS SET', 'MODE SCAN', and 'V/M S.MW SKIP', along with navigation arrows and a power button.

Key Features

- **Wideband Coverage:** Receives frequencies from 100kHz to 1309.995MHz.
- **Extensive Memory:** 1300 alphanumeric memory channels with 22 memory banks.
- **High-Speed Scanning:** Capable of scanning up to 100 channels per second.
- **Voice Squelch Control (VSC):** Opens squelch only for modulated signals, ignoring unmodulated noise.
- **Loud Audio:** 150mW audio output with internal speaker.
- **Automatic LCD Backlight:** Enhances visibility in various lighting conditions.
- **Priority Watch Function:** Monitors a priority channel while scanning.

Setup

1. Battery Installation

The Icom R6 requires two (2) AA alkaline batteries. Ensure correct polarity when inserting the batteries into the compartment located on the rear of the unit. Close the battery cover securely.

2. Antenna Attachment

Screw the supplied antenna (FA-S270C) clockwise onto the antenna connector at the top of the receiver until it is finger-tight. Do not overtighten.

3. Initial Power On

Press and hold the **Power** button (labeled with a circle and vertical line) located on the front panel to turn the unit on. The LCD backlight will illuminate, and the display will show the current frequency.

Operating Instructions

1. Frequency Tuning

Use the large rotary knob at the top of the unit to adjust the frequency. Alternatively, use the **Up** and **Down** arrow buttons on the front panel for step-by-step tuning.

2. Mode Selection

Press the **MODE SCAN** button to cycle through available reception modes (e.g., FM, AM). The current mode is displayed on the LCD.

3. Scanning Functions

The R6 offers various scanning capabilities:

- **VFO Scan:** Scans continuously within the selected frequency range.
- **Memory Scan:** Scans through programmed memory channels.
- **Bank Link Scan:** Allows scanning of selected memory banks.

To initiate a scan, press the **MODE SCAN** button until 'SCAN' appears, or refer to the detailed instructions in the full manual for specific scan types.

4. Memory Channel Programming

The receiver has 1300 alphanumeric memory channels. Programming can be complex via the front panel. It is highly recommended to use optional PC programming software and a cable for easier management of memory channels and settings. Consult the full manual for manual programming steps.

5. Voice Squelch Control (VSC)

The VSC function automatically opens the squelch only when a modulated signal is detected, effectively reducing noise from unmodulated beat signals. This is particularly useful when scanning for voice communications.

Maintenance

1. Battery Replacement

When the battery indicator on the LCD shows low power, replace both AA batteries promptly to ensure continuous operation. Always use fresh, high-quality alkaline batteries.

2. Cleaning

Wipe the receiver's exterior with a soft, dry cloth. For stubborn dirt, use a cloth lightly dampened with water and a mild detergent, then wipe dry. Do not use strong chemicals or abrasive cleaners.

3. Storage

If storing the unit for an extended period, remove the batteries to prevent leakage and corrosion. Store the receiver in a cool, dry place away from direct sunlight and extreme temperatures.

4. Water Resistance

The Icom R6 Sport is water resistant. However, it is not waterproof. Avoid submerging the unit in water or exposing it to heavy rain. Ensure all covers and ports are securely closed to maintain water resistance.

Troubleshooting

Problem	Possible Cause	Solution
Unit does not power on.	Dead or incorrectly installed batteries.	Replace batteries with fresh ones, ensuring correct polarity.
No reception or weak signals.	Antenna not properly attached; out of range; local interference.	Check antenna connection. Move to an area with better signal. Adjust squelch level.
Difficulty programming frequencies.	Complex manual programming interface.	Consider purchasing third-party PC programming software and a compatible cable for easier programming.
Audio is distorted or too low.	Volume too low; poor signal quality; internal speaker issue.	Adjust volume knob. Ensure strong signal. If problem persists, contact service.

Specifications

Feature	Specification
Model Number	IC-R6 Sport
RX Frequencies	100kHz - 1309.995MHz
Number of Channels	1300 (with 22 memory banks)
Power Source	3 Volts (2 x AA alkaline batteries)
Audio Output	150mW (internal speaker)
Item Weight	14.4 ounces
Package Dimensions	8.62 x 6.57 x 2.95 inches
Color	Black
Tuner Technology	UHF
Water Resistance Level	Water Resistant
Included Components	Antenna (FA-S270C), Belt clip, Hand strap

Warranty and Support

For warranty information and technical support, please refer to the documentation provided with your purchase or visit the official ICOM website. Keep your proof of purchase for warranty claims.

If you encounter issues not covered in this manual or require service, please contact ICOM customer support or an authorized service center.