

HuiTinJesh B0GXYM1K24

HuiTinJesh Full-Band DSP SDR Radio Receiver User Manual

Model: B0GXYM1K24

1. INTRODUCTION

This manual provides detailed instructions for the operation and maintenance of your HuiTinJesh Full-Band DSP SDR Radio Receiver. This device utilizes advanced SDR (Software Defined Radio) technology and DSP architecture to provide clear demodulation across various modes.

Key Features:

- Advanced SDR technology with DSP architecture for clear demodulation (CW, AM, SSB, FM).
- Wide frequency coverage: 100KHz-149MHz.
- 4.3-inch touchable screen with 800x480 resolution for vivid real-time spectrum and waterfall display.
- User-friendly interface with touch screen controls and a rotary encoder.
- Ability to preset up to 99 channels with editable station names.
- Durable metal shell construction.
- Long-lasting 5000mAh built-in battery providing over 12 hours of continuous operation.

2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package. If any items are missing or damaged, please contact customer support.

- Radio Receiver
- Pull Rod Antenna
- Touchscreen Pen
- USB Type-C Cable
- Quick Start Guide

YOU WILL GET:



Radio Receiver



Pull Rod Antenna

Touchscreen Pen



USB Cable

Figure 2.1: Included accessories with the HuiTinJesh DSP SDR Radio Receiver.

3. PRODUCT OVERVIEW AND SETUP

3.1 Physical Dimensions

The radio receiver is designed to be compact and portable. Refer to the image below for detailed dimensions.



Figure 3.1: Dimensions of the HuiTinJesh DSP SDR Radio Receiver.

3.2 Initial Charging

Before first use, fully charge the radio receiver using the provided USB Type-C cable and a compatible USB power adapter (not included). The device features a 5000mAh built-in lithium battery.

- Connect the USB Type-C cable to the radio's charging port and to a USB power source.
- The charging indicator light will show the charging status.

Charging Status Indicator:

Status	Condition	Red LED	Blue LED
Charge	Charging	Blink	OFF
	Full	ON	OFF
Discharge	Discharging	OFF	ON
	Low Battery	OFF	Blink

3.3 Antenna Connection

Gently screw the provided Pull Rod Antenna into the antenna connector on the top of the radio receiver. Ensure it is securely fastened for optimal reception.

3.4 Powering On/Off

Locate the power button (or rotary encoder with push function) on the device. Press and hold for a few seconds to power on or off the receiver.

4. OPERATING INSTRUCTIONS

4.1 Display and Interface

The radio features a 4.3-inch touchable screen with 800x480 resolution. This display provides a vivid real-time spectrum and waterfall/waveform display, allowing for visual analysis of radio signals.



Figure 4.1: The 4.3-inch color touchscreen interface.

Navigation and control are managed via the touch screen and a rotary encoder. Use the touchscreen pen for precise input on the display.

4.2 Frequency Tuning and Modes

The receiver covers a broad frequency range from 100KHz to 149MHz. It supports various demodulation modes including

CW (Continuous Wave), AM (Amplitude Modulation), SSB (Single Sideband), WFM (Wideband FM), and FM Stereo.



Figure 4.2: Frequency coverage and supported modes.

- **Tuning:** Use the rotary encoder to adjust the frequency. Short presses or taps on the screen may change tuning steps.
- **Mode Selection:** Access the mode selection menu via the touchscreen to switch between CW, AM, SSB, WFM, and FM.

4.3 Channel Presets

The radio allows you to preset up to 99 channels. You can also edit the station names for easy identification.

1. Tune to the desired frequency.
2. Access the "Save Channel" or "Preset" option on the touchscreen.
3. Select an empty preset slot or overwrite an existing one.
4. Use the on-screen keyboard to edit the station name if desired.
5. To recall a preset, navigate to the "Channel List" or "Presets" menu and select the desired channel.

4.4 Audio Output

The receiver includes a built-in 3W speaker for direct audio output. For private listening, connect 3.5mm headphones to the headphone jack.

5. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the radio. For the screen, use a microfiber cloth specifically designed for electronics. Avoid abrasive cleaners or solvents.
- **Battery Care:** To prolong battery life, avoid fully discharging the battery frequently. If storing the device for an extended period, charge it to approximately 50% and store in a cool, dry place. Recharge every few months to prevent deep discharge.
- **Storage:** Store the radio in a dry environment, away from extreme temperatures and direct sunlight.

6. TROUBLESHOOTING

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

- **No Power:**
 - Ensure the battery is charged. Connect the USB Type-C cable and check the charging indicator.
 - Press and hold the power button for at least 5 seconds to ensure it's not just in standby.
- **Poor Reception:**
 - Ensure the Pull Rod Antenna is fully extended and securely connected.
 - Try repositioning the radio or moving to an area with less interference.
 - Check the selected mode (AM, SSB, FM) to ensure it matches the broadcast type.
- **Touchscreen Unresponsive:**
 - Gently clean the screen with a soft, dry cloth.
 - Try using the provided touchscreen pen for more precise input.
 - Restart the device by powering it off and on again.
- **No Audio:**
 - Check the volume level.
 - If using headphones, ensure they are fully plugged in and functional. Disconnect headphones to check the built-in speaker.
 - Ensure the correct audio output is selected if there are options.

7. SPECIFICATIONS

Feature	Detail
Brand	HuiTinJesh
Model	B0GXYM1K24
Frequency Range	100KHz - 149MHz
Demodulation Modes	CW, AM, SSB, WFM, FM Stereo

Feature	Detail
Display	4.3-inch Touchable Screen, 800x480 Resolution
Battery	5000mAh Lithium Ion (Built-in)
Battery Life	Over 12 hours (continuous playtime)
Connectivity	USB Type-C (charging), 3.5mm Headphone Jack
Speaker	Built-in 3W Speaker
Dimensions (L x W x H)	5.71" x 0.87" x 2.95" (14.5cm x 2.2cm x 7.5cm)
Weight	11.12 ounces
Included Components	Radio Receiver, Pull Rod Antenna, Touchscreen Pen, USB Type-C Cable, Quick Start Guide

8. WARRANTY AND SUPPORT

8.1 Warranty Information

This HuiTinJesh DSP SDR Radio Receiver is covered by a **1-Year Manufacturer's Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or natural disasters. Please retain your proof of purchase for warranty claims.

8.2 Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please contact HuiTinJesh customer support. Refer to the Quick Start Guide or the manufacturer's website for contact details.

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