LS2 Spectrum

LS2 Spectrum Bluetooth 4-Way Intercom User Manual

Model: Spectrum

INTRODUCTION

The LS2 Spectrum Bluetooth communication system, developed in collaboration with MIDLAND, is designed for LS2 helmets. It delivers premium audio quality from RCF, supports real-time intercom communication for up to four riders, and features an advanced AI-powered noise cancellation system. With its waterproof design and various additional functions, you can stay connected to your voice assistant or engage in clear conversations with other riders.

PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 1 x LS2 Spectrum device
- 1 x Pair of 40 mm RCF speakers
- 1 x Microphone
- 1 x Helmet mounting kit
- 1 x USB charging cable

Image: LS2 Spectrum Bluetooth Intercom packaging. The box displays the intercom unit, highlighting features such as Bluetooth connectivity, up to 800m distance, AI noise cancelling, support for up to 4 people, and RCF Ultra HD Sound.

Key Features

- **Bluetooth 5.1:** For stable and efficient wireless connectivity.
- **4-Way Intercom System:** Communicate with up to four riders simultaneously.
- **Extended Range:** Up to 1200 meters for group communication.
- **Universal Connectivity:** Compatible with intercom systems from other brands.
- **Long Talk Time:** Up to 20 hours of continuous conversation.
- **Waterproof Design:** Ensures durability and performance in various weather conditions.
- **AI-Powered Noise Cancellation:** Reduces background noise for clear audio.
- **Ultra HD Audio by RCF:** High-quality sound from 40 mm speakers.
- **Ultra-Thin Design:** Integrates seamlessly with LS2 helmets.
- **Device Compatibility:** Connects with smartphones, GPS devices, and TFT displays.

Setup Instructions

1. Mounting the Intercom Unit

1. Choose a suitable location on the left side of your LS2 helmet for the intercom unit.
2. Use the provided helmet mounting kit to securely attach the main unit. Ensure it is firmly in place and does not obstruct helmet functionality.

2. Speaker and Microphone Installation

1. Place the 40 mm RCF speakers inside the helmet's ear pockets. Ensure they are positioned directly over your ears for optimal sound quality.
2. Attach the microphone to the inside of the helmet, near your mouth, ensuring it is not obstructed and can pick up your voice clearly.
3. Connect the speaker and microphone cables to the main intercom unit.

3. Initial Charging

Before first use, fully charge the LS2 Spectrum device using the provided USB charging cable. Connect the cable to the intercom unit and a standard USB power source. The charging indicator will show the charging status.

Image: The LS2 Spectrum Bluetooth Intercom device. This image shows the sleek, black unit with control buttons, designed to be mounted on a helmet.

OPERATING INSTRUCTIONS

Power On/Off

- **To Power On:** Press and hold the Power button for approximately 3 seconds until you hear an audible confirmation.
- **To Power Off:** Press and hold the Power button for approximately 5 seconds until you hear an audible confirmation.

Bluetooth Pairing (First Time)

1. With the device off, press and hold the Power button for about 7 seconds until the LED indicator flashes red and blue, indicating pairing mode.
2. On your smartphone or GPS device, enable Bluetooth and search for available devices.
3. Select "LS2 Spectrum" from the list of found devices.
4. Once paired, the LED indicator will flash blue slowly.

Intercom Communication

- **Initiating Intercom:** Briefly press the Intercom button to start a conversation with a paired intercom unit.
- **Ending Intercom:** Briefly press the Intercom button again to end the conversation.
- **Multi-Party Intercom:** Follow the specific instructions in the full manual for pairing and managing up to four intercom units for group conversations.

Phone Calls

- **Answering a Call:** Briefly press the Phone button.
- **Ending a Call:** Briefly press the Phone button.
- **Rejecting a Call:** Press and hold the Phone button for 2 seconds.
- **Voice Dialing:** If supported by your phone, briefly press the Voice Assistant button to activate voice dialing.

Music Playback

- **Play/Pause:** Briefly press the Play/Pause button.
- **Next Track:** Press the Volume Up button for 2 seconds.
- **Previous Track:** Press the Volume Down button for 2 seconds.

Volume Adjustment

- **Increase Volume:** Briefly press the Volume Up button.
- **Decrease Volume:** Briefly press the Volume Down button.

MAINTENANCE

- **Cleaning:** Use a soft, damp cloth to clean the exterior of the intercom unit. Avoid using harsh chemicals or abrasive cleaners.
- **Storage:** When not in use for extended periods, store the device in a cool, dry place. Ensure it is fully charged before storing to prolong battery life.
- **Battery Care:** Do not expose the battery to extreme temperatures. Follow local regulations for battery disposal.

TROUBLESHOOTING

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Device does not power on.	Low battery.	Charge the device fully using the provided USB cable.
Cannot pair with smartphone.	Device not in pairing mode; Bluetooth off on phone.	Ensure the intercom is in pairing mode (flashing red/blue). Enable Bluetooth on your phone and retry pairing.
Intercom communication is unclear or has static.	Out of range; interference; microphone not positioned correctly.	Move closer to the other intercom unit. Check for sources of interference. Adjust microphone position.
No audio from speakers.	Speakers not connected; volume too low; faulty speakers.	Check speaker connections. Increase volume. If problem persists, contact support.

SPECIFICATIONS

- **Bluetooth Version:** 5.1
- **Intercom Capacity:** Up to 4 riders
- **Maximum Intercom Range:** 1200 meters
- **Talk Time:** Up to 20 hours
- **Audio Technology:** RCF Ultra HD Audio, 40 mm speakers
- **Noise Cancellation:** AI-powered
- **Water Resistance:** Yes (Waterproof)
- **Connectivity:** Universal (compatible with other brands)
- **Compatible Devices:** Smartphone, GPS, Tablet, TFT displays
- **Charging Port:** USB
- **Material:** Plastic
- **Weight:** Approximately 330 g
- **Dimensions:** 11.7 x 11.2 x 10.7 cm (Package dimensions, actual device dimensions are ultra-thin)

SAFETY INFORMATION

Warning: This device may cause interference with other wireless devices. Always follow the operating instructions and battery disposal guidelines carefully to ensure safe use and environmental protection.
Do not attempt to disassemble or modify the device. Doing so may void the warranty and could result in injury or damage to the product.

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official LS2 website or contact your authorized LS2 dealer. Keep your proof of purchase for warranty claims.
Note: Specific warranty terms and conditions may vary by region.