EJEAS Q7

EJEAS Q7 Motorcycle Bluetooth Intercom User Manual

Model: Q7 | Brand: EJEAS

1. Introduction

The EJEAS Q7 is a high-performance Bluetooth communication system designed specifically for motorcycle helmets. Utilizing a Qualcomm 5.0 chip, it offers rapid pairing and a stable connection, enhancing your riding experience with seamless communication and entertainment features. This device is engineered for convenience and safety, allowing riders to stay connected while on the road.

Key features include:

- **7-Device Connection & 2-Rider Real-Time Intercom:** Supports connection for up to 7 devices with real-time intercom for 2 riders, extending up to 800 meters.
- **Bluetooth 5.0:** Ensures low power consumption, high data transmission rates, and quick pairing within 2 seconds.
- **CVC Noise Cancellation:** Advanced technology actively captures and filters environmental noise for clear voice communication.
- **Built-in FM Radio & Stereo MP3:** Enjoy your favorite radio stations or music while riding.
- **Hands-Free Calling:** Automatic call answering and control via the MFB button for safer riding.
- **IP67 Waterproof:** Designed to withstand various weather conditions, allowing confident use in rainy environments.



Image 1.1: EJEAS Q7 Motorcycle Bluetooth Intercom Unit.

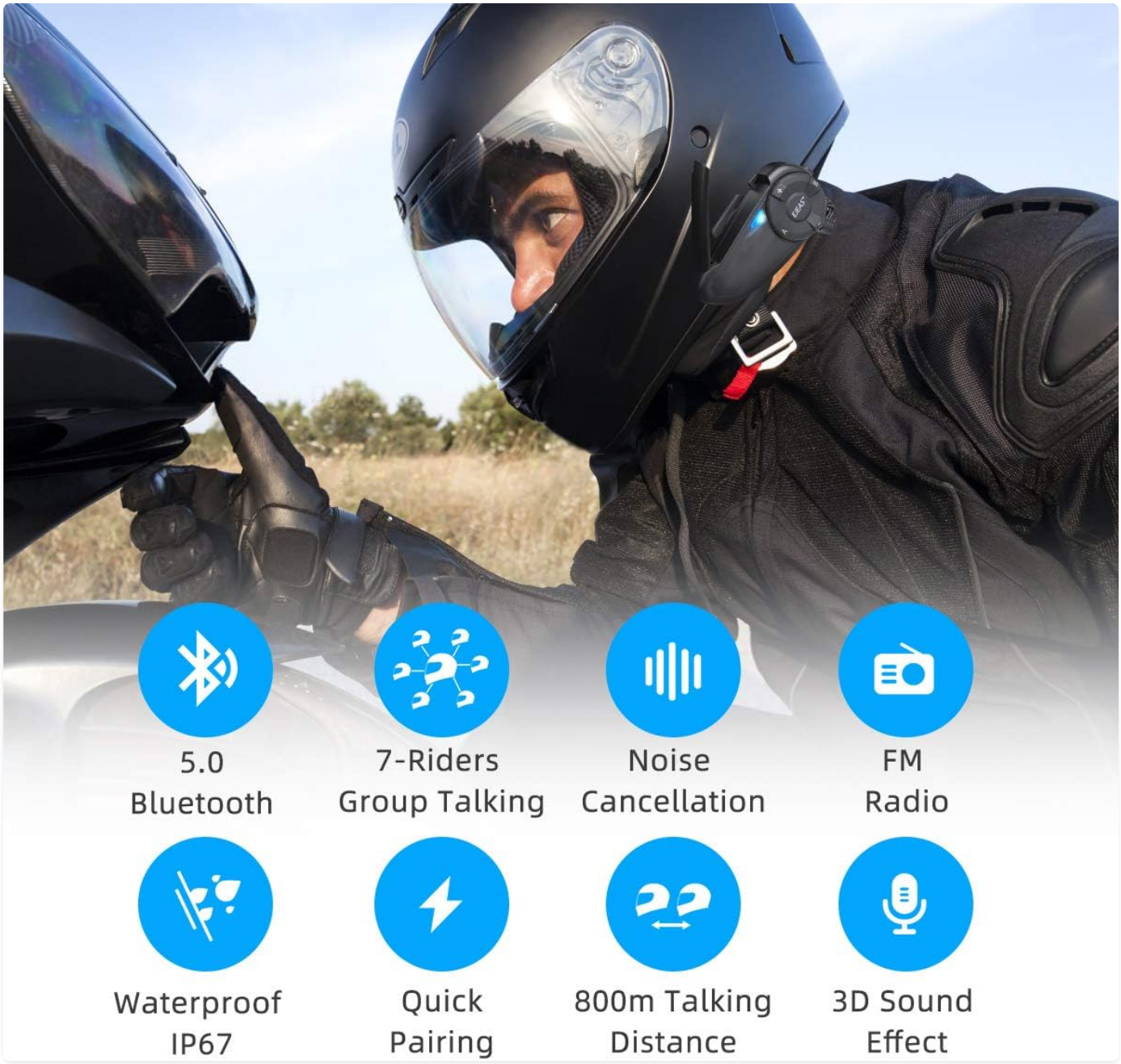


Image 1.2: Visual representation of EJEAS Q7's key features including Bluetooth 5.0, 7-rider group talking, noise cancellation, FM radio, IP67 waterproof, quick pairing, 800m talking distance, and 3D sound effect.

2. Package Contents

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

- 1 x EJEAS Q7 Host Unit
- 1 x Mounting Clip
- 1 x Earphone Set (with integrated speakers)
- 1 x Boom Microphone (for open face/half helmets)
- 1 x Soft Wired Microphone (for full face helmets)
- 1 x Screw Driver
- 1 x Type-C Charging Cable
- Several 3M Stickers

- 1 x User Manual



Image 2.1: Diagram illustrating all components included in the EJEAS Q7 package, such as the host unit, microphones, speakers, mounting accessories, and charging cable.

3. Product Overview: Controls and Components

Familiarize yourself with the various buttons and ports on your EJEAS Q7 unit to ensure proper operation.



Image 3.1: Detailed diagram of the EJEAS Q7 unit with all buttons, ports, and indicators labeled for easy identification.

- **Antenna:** For signal reception.
- **Indicator Light:** Displays device status (pairing, connected, charging).
- **Power/Phone Button (MFB):** Powers the unit on/off, answers/rejects calls, and activates voice assistant.
- **Volume Up / Previous Song Button (+):** Increases volume or navigates to the previous song.
- **Volume Down / Next Song Button (-):** Decreases volume or navigates to the next song.
- **A/C/E Switch Button (A):** Used for switching between intercom participants (A, C, E).
- **B/D/F Switch Button (B):** Used for switching between intercom participants (B, D, F).
- **FM Radio Button:** Activates or deactivates the FM radio function.
- **Headphone Jack:** 3.5mm port for connecting the speaker and microphone set.
- **Type-C Charging Port:** For charging the device.

4. Setup and Installation

The EJEAS Q7 is designed for easy installation on various motorcycle helmet types, including open-face, half, and full-face helmets. The package includes both a boom microphone and a soft wired microphone to suit your helmet and personal preference.

Installation Steps:

1. **Prepare Helmet:** Clean the area on the side of your helmet where the intercom unit will be mounted.
2. **Attach Mounting Clip:** Securely attach the mounting clip to the helmet shell using the provided screws or 3M adhesive stickers. Ensure it is firmly in place.
3. **Mount Intercom Unit:** Slide the EJEAS Q7 host unit onto the mounting clip until it clicks into place.
4. **Install Speakers:** Place the speakers inside the helmet's ear pockets. Ensure they are positioned directly over your ears for optimal sound quality.
5. **Install Microphone:** Choose the appropriate microphone (boom for open-face/half helmets, soft wired for full-face helmets) and position it near your mouth for clear voice pickup. Route the cables neatly under the helmet padding.
6. **Connect Cables:** Plug the speaker and microphone cable into the 3.5mm headphone jack on the EJEAS Q7 unit.



Image 4.1: Step-by-step visual guide for installing the EJEAS Q7 intercom system onto a motorcycle helmet, showing clip attachment, unit

mounting, and speaker/mic placement.

5. Operating Instructions

5.1. Power On/Off

- **Power On:** Press and hold the Power/Phone button for approximately 3 seconds until the indicator light turns on.
- **Power Off:** Press and hold the Power/Phone button for approximately 3 seconds until the indicator light turns off.

5.2. Bluetooth Pairing (Phone/GPS)

The Q7 uses Bluetooth 5.0 for fast and stable connections.

1. Ensure the Q7 unit is powered off.
2. Press and hold the Power/Phone button for about 5-7 seconds until the indicator light flashes red and blue alternately, indicating pairing mode.
3. On your mobile phone or GPS device, enable Bluetooth and search for available devices.
4. Select "EJEAS Q7" from the list. Once connected, the indicator light will flash blue slowly.

5.3. Intercom Function

The Q7 supports group intercom for up to 7 riders with a maximum communication distance of 800 meters. It allows 2 riders to have real-time intercom simultaneously, with the main device able to switch between sub-machines.



Image 5.1: Illustration of the EJEAS Q7's 7-rider group talking capability, showing multiple riders connected for communication over a distance of up to 800 meters.

- **Initiate Intercom:** After pairing multiple Q7 units, short press the A/C/E or B/D/F switch buttons to initiate intercom with specific riders.
- **Switch Intercom:** Double-click the A/C/E or B/D/F switch buttons to cycle through paired intercom partners.

5.4. Phone Calls

- **Answer Call:** The Q7 will automatically answer incoming calls after 10 seconds. You can also short press the Power/Phone button to answer immediately.
- **Reject Call:** Press and hold the Power/Phone button for 2 seconds to reject an incoming call.
- **End Call:** Short press the Power/Phone button during a call to end it.
- **Voice Assistant (Siri/Google Assistant):** Double press the Power/Phone button when the unit is not occupied to activate your phone's voice assistant.

5.5. Music Playback

- **Play/Pause:** Short press the Power/Phone button.
- **Next Song:** Short press the Volume Down (-) button.
- **Previous Song:** Short press the Volume Up (+) button.
- **Adjust Volume:** Press and hold the Volume Up (+) or Volume Down (-) buttons.

5.6. FM Radio

- **Turn On/Off FM:** Short press the FM Radio button.
- **Scan Channels:** Press and hold the FM Radio button to automatically scan and save available stations.
- **Switch Channels:** Short press the Volume Up (+) or Volume Down (-) buttons to switch between saved stations.

5.7. CVC Noise Cancellation

The EJEAS Q7 features CVC (Clear Voice Capture) noise reduction technology. This system actively captures and filters out ambient noise, such as wind and engine sounds, ensuring that your voice is transmitted clearly to the other party during intercom or phone calls.



Image 5.2: Diagram illustrating the effect of CVC noise cancellation, showing how ambient noise is reduced for clearer audio transmission.

6. Maintenance

6.1. Waterproofing

The EJEAS Q7 unit is rated IP67 waterproof, meaning it is protected from dust and can withstand immersion in water up to 1 meter for 30 minutes. This allows for confident use in rainy conditions without concern for water damage.

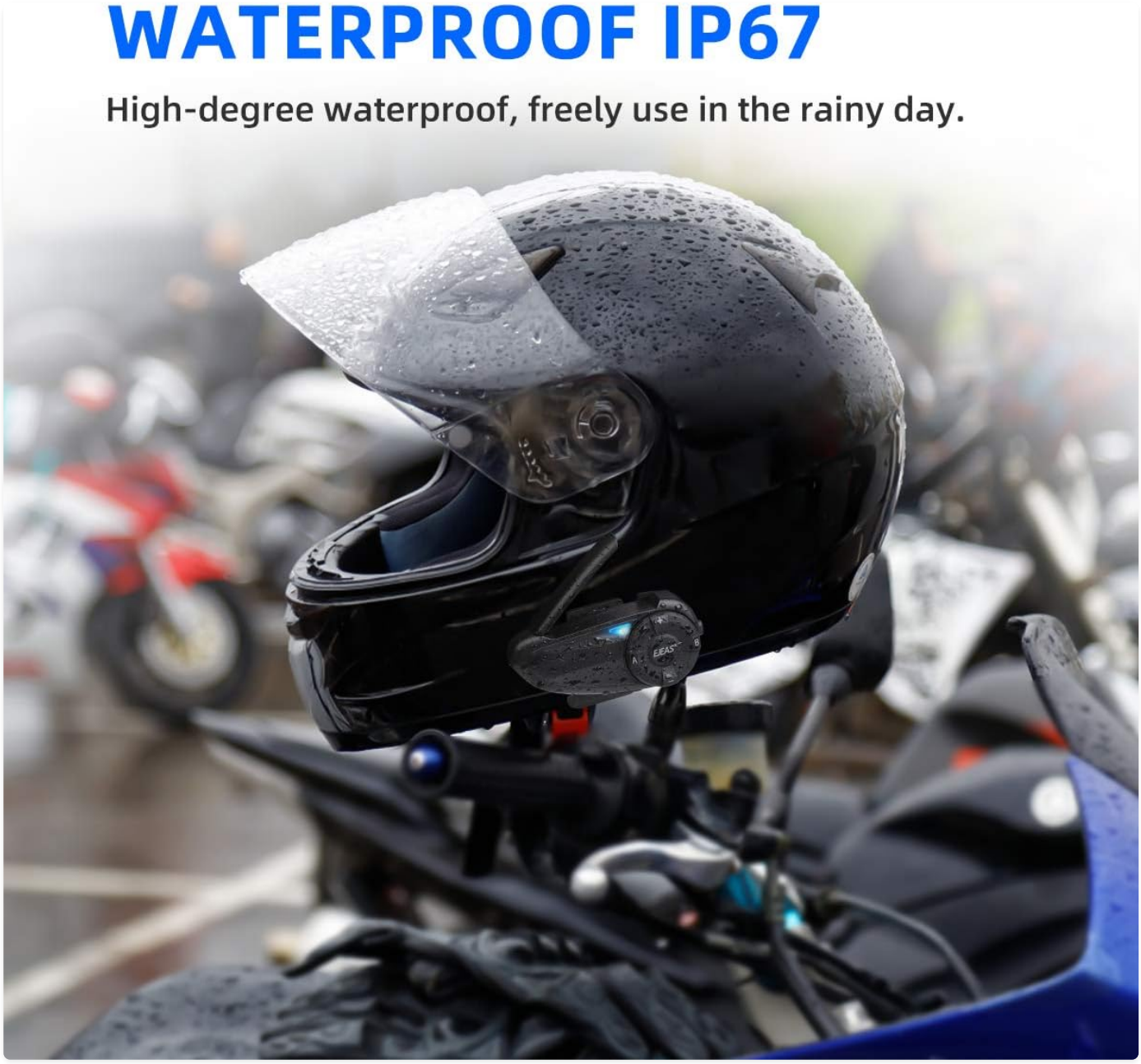


Image 6.1: The EJEAS Q7 unit mounted on a helmet in rainy conditions, demonstrating its IP67 waterproof capability.

6.2. Cleaning and Care

- Wipe the unit with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Ensure the Type-C charging port cover is securely closed when not charging to maintain waterproofing.
- Store the device in a cool, dry place when not in use.

7. Troubleshooting

If you encounter issues with your EJEAS Q7, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Unit does not power on.	Low battery; Unit frozen.	Charge the unit fully. Perform a reset by pressing and holding the Power/Phone button for 10 seconds.
Cannot pair with phone/intercom.	Not in pairing mode; Too far from device; Interference.	Ensure unit is in pairing mode (flashing red/blue). Move closer to the device. Turn off other Bluetooth devices.
No sound or low volume.	Volume too low; Speakers not connected properly; Speakers misplaced in helmet.	Increase volume on both Q7 and connected device. Check speaker connection to the 3.5mm jack. Adjust speaker position in helmet.
Intercom connection drops frequently.	Out of range; Obstructions; Interference.	Stay within the 800m range. Avoid large obstructions. Reduce other wireless interference.

8. Specifications

Feature	Detail
Model Name	Q7
Bluetooth Version	5.0
Connectivity Technology	Wireless (Bluetooth)
Max Intercom Distance	800 meters
Group Intercom Support	Up to 7 riders (2 real-time)
Noise Control	Active Noise Cancellation (CVC)
Water Resistance Level	IP67 Waterproof
FM Radio Frequency Range	87.5 MHz - 108 MHz
Battery Life (Intercom/Music)	Up to 30 hours
Standby Time	Up to 260 hours
Charging Port	Type-C
Headphones Jack	3.5 mm

Feature	Detail
Material	Plastic
Item Weight	10.2 ounces
Package Dimensions	6.02 x 3.86 x 2.64 inches

9. Warranty and Support

EJEAS is committed to providing quality products and excellent customer service. If you have any questions, concerns, or require assistance with your Q7 intercom system, please do not hesitate to contact our customer support team. We aim to reply and assist you within 18 hours.

For support, please refer to the contact information provided with your purchase or visit the official EJEAS website.

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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.

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