

EJEAS E-Q8

EJEAS Q8 Mesh Bluetooth Motorcycle Helmet Intercom

USER MANUAL

1. Introduction

The EJEAS Q8 Mesh Bluetooth Intercom is a professional communication system designed specifically for motorcyclists. It combines advanced MESH and Bluetooth technologies to provide stable and clear communication for groups of 2 to 6 riders. With features like long-range intercom, music sharing, microphone mute, and CVC noise reduction, the Q8 enhances your riding experience by keeping you connected and entertained.

This manual provides detailed instructions on how to set up, operate, and maintain your EJEAS Q8 intercom system. Please read it thoroughly before use to ensure optimal performance and safety.

2. Package Contents

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

- EJEAS Q8 Intercom Unit(s)
- Headset (Speakers and Microphone)
- Mounting Clips (for helmet installation)
- Velcro Pads (for speaker and microphone attachment)
- USB Type-C Charging Cable(s)
- User Manual



Figure 2.1: EJEAS Q8 Package Contents. This image displays the complete set of items included in the product box, such as the main intercom units, various cables, mounting hardware, and the user manual.

3. Product Overview

The EJEAS Q8 intercom unit features a compact design with intuitive controls. Familiarize yourself with the main components and buttons:

- **Main Unit:** Houses the electronics, battery, and control buttons.
- **Mesh Button:** Primary button for Mesh intercom functions.
- **Volume Up (+) Button:** Increases volume, navigates menus.
- **Volume Down (-) Button:** Decreases volume, navigates menus.
- **Multi-function Button (MFB):** For power, Bluetooth pairing, phone calls, and music playback.
- **Type-C Port:** For charging, connecting the headset, and firmware updates.
- **LED Indicator:** Displays device status (power, pairing, charging).



Figure 3.1: EJEAS Q8 Intercom Units. This image provides a clear view of the two intercom devices, highlighting their circular control panels with EJEAS branding, volume buttons, and the blue LED indicator.

4. Setup and Installation

Follow these steps to install the EJEAS Q8 on your helmet and prepare it for use:

4.1 Charging the Device

Before first use, fully charge the Q8 unit. Connect the supplied USB Type-C cable to the intercom's Type-C port and the other end to a USB power adapter (not included). The LED indicator will show charging status and turn off when fully charged.

- Charging Time: Approximately 2.5 hours.
- Battery Life: Up to 230 hours standby, 29 hours music, 9 hours Mesh intercom, 17 hours Bluetooth intercom.



Figure 4.1: Large Battery Capacity & Type-C Interface. This graphic illustrates the 1200mAh battery, standby time, intercom usage times, and the convenient Type-C charging port of the EJEAS Q8.

4.2 Helmet Installation

Choose between the clip mount or adhesive mount for attaching the Q8 to your helmet. Ensure the unit is securely fastened and the microphone is positioned correctly for clear voice pickup.

1. **Attach Speakers:** Use the Velcro pads to secure the speakers inside the helmet's ear pockets. Ensure they are aligned with your ears for optimal sound.
2. **Position Microphone:** Attach the microphone to the inside of the helmet, near your mouth. For full-face helmets, use the boom microphone; for open-face helmets, use the soft wire microphone.
3. **Mount Intercom Unit:** Secure the Q8 unit to the side of your helmet using either the clamp mount or the adhesive mount. Ensure it is easily accessible for operation.
4. **Connect Headset:** Plug the headset cable into the Type-C port on the Q8 unit.



Figure 4.2: Q8 Product Installation. This visual guide demonstrates the process of mounting the intercom unit and its components inside and outside a motorcycle helmet.

5. Operating Instructions

5.1 Power On/Off

- **Power On:** Press and hold the MFB for approximately 3 seconds until the LED indicator lights up.

- **Power Off:** Press and hold the MFB for approximately 3 seconds until the LED indicator turns off.

5.2 Bluetooth Pairing (for Phone/GPS)

To pair your Q8 with a mobile phone or GPS device:

1. With the Q8 powered off, press and hold the MFB for about 5-7 seconds until the LED flashes red and blue alternately, indicating pairing mode.
2. On your phone/GPS, enable Bluetooth and search for "EJEAS Q8".
3. Select "EJEAS Q8" from the list to connect. The LED will turn solid blue when successfully paired.

5.3 Mesh Intercom Communication

The Q8 utilizes Mesh technology for stable group communication, allowing 2 to 6 riders to talk simultaneously. If a rider leaves the group, the connection remains stable for others, and the leaving rider will automatically reconnect upon re-entering the effective range.

- **Initiate Mesh Intercom:** With units powered on, short press the Mesh button on each unit to enter Mesh intercom mode. The units will automatically connect to form a group.
- **Talking Range:** Up to 1000m in barrier-free environments, typically 400-600m in areas with obstacles (tunnels, hills, heavy traffic).

Q8 allows 2-6 people to talk at the same time

When someone leaves, others can continue to communicate with each other.
When you enter again, intercom can automatically reconnect within the effective range



Automatical Reconnection

Figure 5.1: Q8 Mesh Intercom Group Communication. This image illustrates how the Q8 allows multiple riders to communicate simultaneously, highlighting its automatic reconnection feature.

Super Penetration

Compared with other interphones, it has superior penetration in places with obstacles such as tunnels, hills, roads with heavy traffic, etc. (The talking distance is 400-600m, while Bluetooth is only about 50-150m)

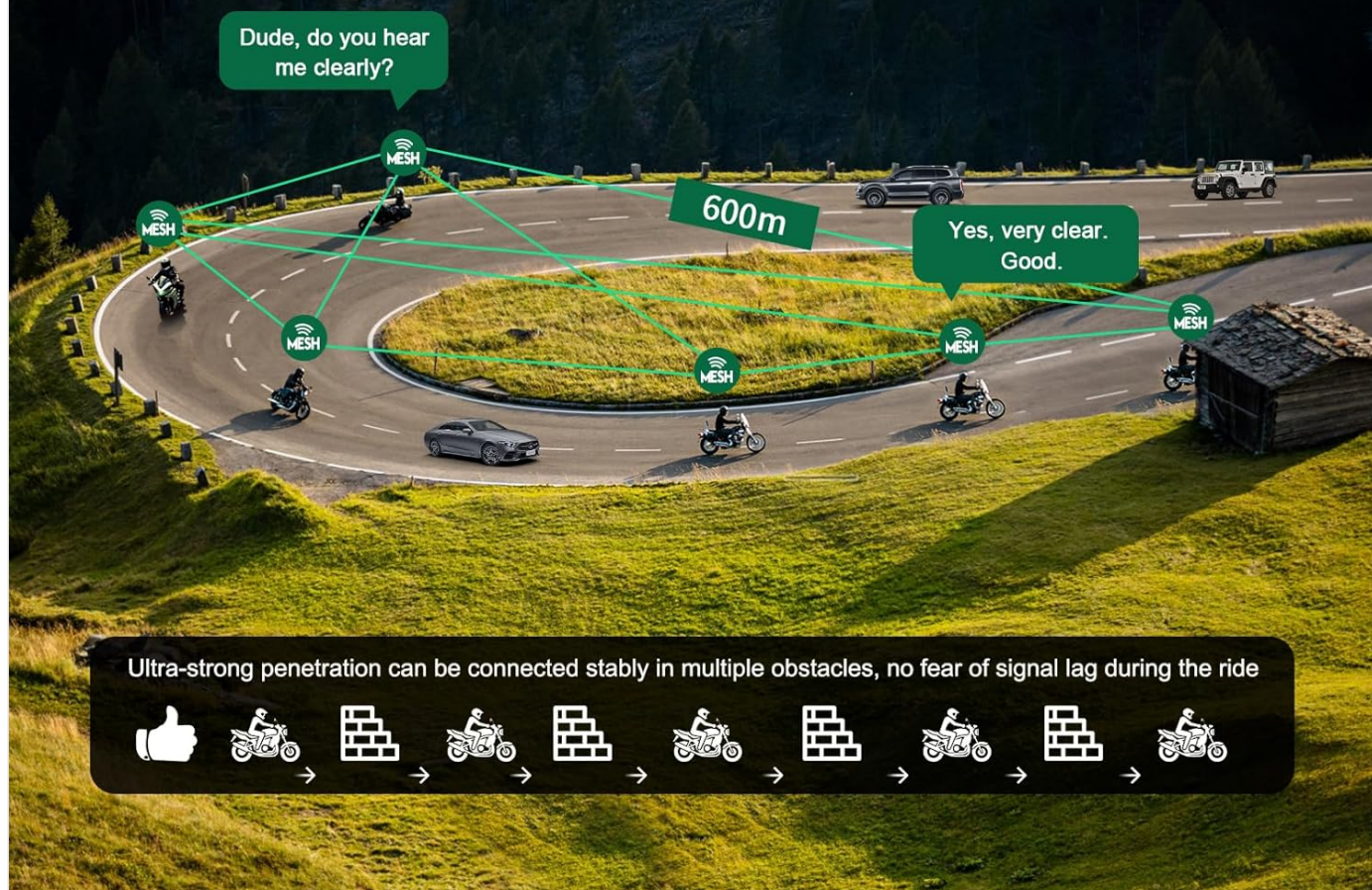


Figure 5.2: Super Penetration. This graphic demonstrates the Q8's ability to maintain stable communication over long distances and through various obstacles, showcasing its superior range compared to standard Bluetooth intercoms.

5.4 Music Sharing

The EJEAS Q8 supports music sharing between two riders, allowing you to enjoy the same audio experience during your ride.

- **To Share Music:** While music is playing on one Q8 unit, press and hold the Volume Up (+) button and the Mesh button simultaneously for 2 seconds. The music will then be shared with a connected Q8 unit.

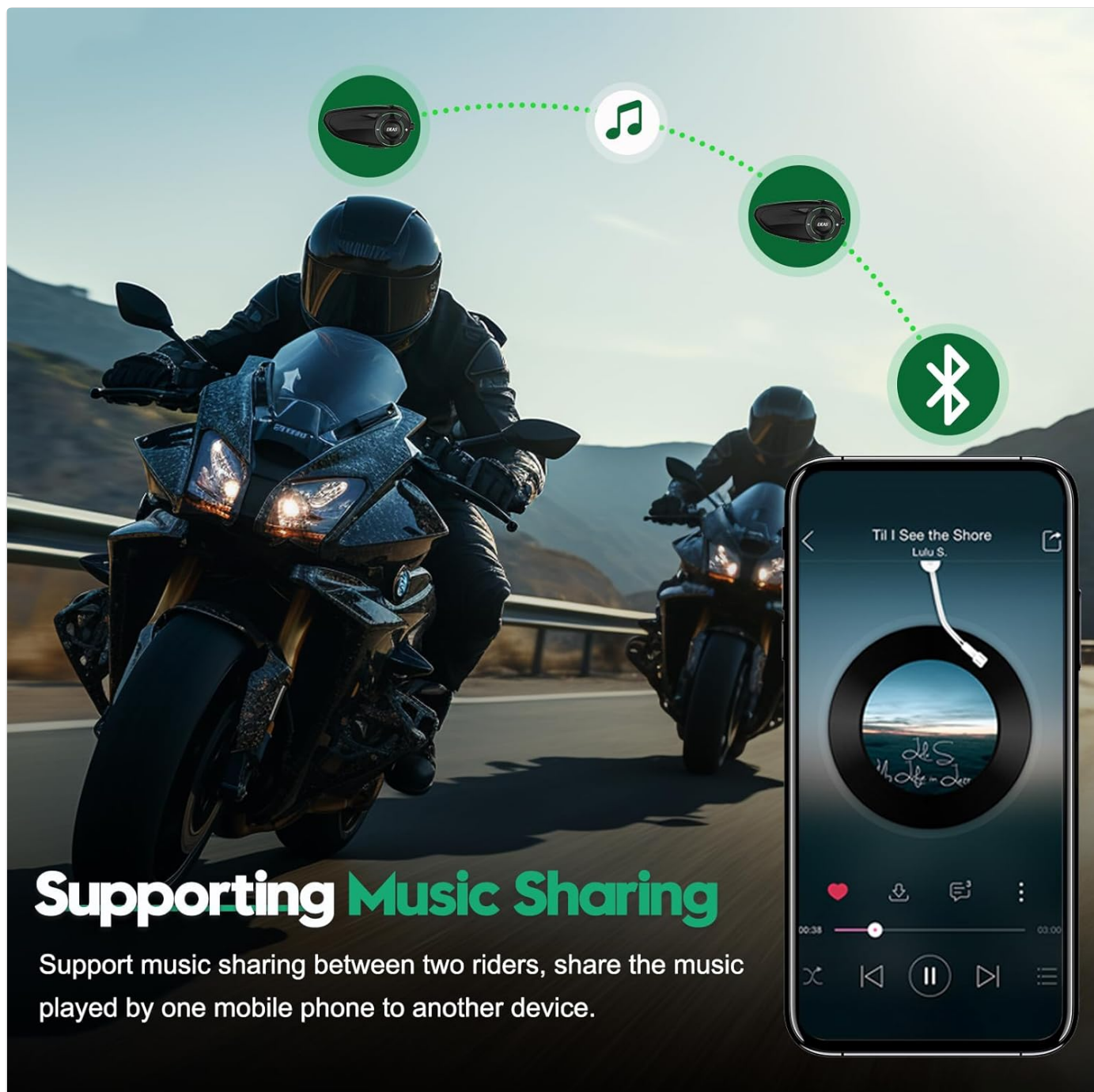


Figure 5.3: Supporting Music Sharing. This image illustrates the feature allowing music to be shared between two riders, enhancing the shared riding experience.

5.5 Microphone Mute

The Q8 allows you to mute your microphone for privacy or to avoid transmitting unwanted noise.

- **To Mute/Unmute:** Short press the Mesh button to toggle microphone mute on or off.

Universal Pairing

Compatible with most motorcycle intercoms



Figure 5.4: Supports Microphone Mute. This image highlights the microphone mute function, allowing users to control their audio input during communication.

5.6 CVC Noise Reduction Technology

The EJEAS Q8 incorporates CVC (Clear Voice Capture) noise reduction technology to effectively reduce surrounding noise, ensuring clearer communication even at high speeds or in noisy environments.

CVC noise reduction technology

Effectively reduce surrounding noise and make you enjoy a clear crystal sound.



Figure 5.5: CVC Noise Reduction Technology. This graphic illustrates how the CVC technology reduces ambient noise, providing a clearer audio experience for conversations.

5.7 Universal Pairing

The Q8 is designed for universal compatibility, allowing it to pair with most other brands of motorcycle intercoms.

Supports Microphone Mute

Click the <Mesh Button> to mute the microphone



Figure 5.6: Universal Pairing. This image demonstrates the Q8's ability to connect with other motorcycle intercom brands, expanding its usability.

5.8 EUC Handle Compatibility

The EJEAS Q8 is compatible with EUC (Electric Unicycle Controller) handles, offering a safer and more convenient control option during high-speed riding.

Compatible with **EUC Handle**

Safer & more convenient on high-speed riding



Figure 5.7: Compatible with EUC Handle. This image shows the Q8 intercom alongside an EUC handle, illustrating how the two devices can be used together for enhanced control.

6. Maintenance

Proper care and maintenance will extend the life of your EJEAS Q8 intercom:

- **Cleaning:** Wipe the unit with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** Store the device in a cool, dry place when not in use. Avoid extreme temperatures.
- **Water Resistance:** The Q8 is IP67 waterproof, meaning it is protected against dust and can withstand immersion in water up to 1 meter for up to 30 minutes. It is designed to perform reliably in various weather conditions, including rain and snow.



Figure 6.1: Updated Waterproof IP67. This image demonstrates the Q8's robust waterproof capabilities, ensuring functionality in both rainy and snowy conditions.

7. Troubleshooting

If you encounter issues with your EJEAS Q8, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Device does not power on.	Low battery.	Charge the device fully.
Cannot pair with phone/GPS.	Device not in pairing mode; Bluetooth off on phone.	Ensure Q8 is in pairing mode (flashing red/blue). Turn on Bluetooth on your phone/GPS.
Intercom connection is unstable or disconnects frequently.	Out of range; heavy interference; low battery.	Ensure all units are within effective range. Move away from sources of strong electromagnetic interference. Charge units.
Poor audio quality / Buzzing sound.	Microphone not positioned correctly; speaker placement issues; interference.	Adjust microphone closer to mouth. Ensure speakers are aligned with ears. Check for loose cable connections.
Microphone not picking up voice.	Microphone muted; incorrect microphone type for helmet.	Short press Mesh button to unmute. Ensure correct microphone (boom/soft wire) is used and connected properly.

8. Specifications

Feature	Detail
Model	E-Q8
Communication Technology	Bluetooth, Mesh
Battery Capacity	1200mAh Lithium Polymer

Feature	Detail
Charging Time	2.5 Hours
Standby Time	Up to 230 Hours
Intercom Time (Mesh)	9 Hours
Intercom Time (Bluetooth)	17 Hours
Max Intercom Range (Barrier-free)	1000 Meters
Typical Intercom Range (Obstacles)	400-600 Meters
Water Resistance Level	IP67 (Waterproof)
Operating Temperature	-100C to 550C
Frequency Range	20 Hz - 20,000 Hz
Control Type	Tactile Control
Material	Plastic
Weight	280 g

9. Warranty and Support

EJEAS products are manufactured to high quality standards. For warranty information or technical support, please refer to the warranty card included with your product or visit the official EJEAS website. Keep your purchase receipt as proof of purchase for any warranty claims.

For further assistance, you may contact EJEAS customer service through the contact information provided on their official channels.