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> Cardo FREECOM 2X Duo Motorcycle Communication System User Manual

Cardo Freecom 2X

Cardo FREECOM 2X Duo Motorcycle Communication System

User Manual

INTRODUCTION

This user manual provides detailed instructions for the installation, operation, and maintenance of your Cardo FREECOM 2X Duo motorcycle Bluetooth communication system. Please read this manual thoroughly before using the device to ensure optimal performance and safety. The FREECOM 2X Duo is designed to enhance your riding experience with high-quality audio and seamless communication.



Image: The main unit of the Cardo FREECOM 2X Duo communication system, showcasing its compact design and control knob.

WHAT'S IN THE BOX

Your Cardo FREECOM 2X Duo package includes the following components:

- FREECOM 2X Communication Unit (2 units for Duo pack)
- 40mm JBL Speakers
- Hybrid Microphone
- Wired Microphone
- Mounting Clamp
- Adhesive Plate
- Rectangular Velcro Pads
- Round Velcro Pads
- Speaker Boosters
- Alcohol Prep Pads
- USB Charging Cable



TAMPONS
VELCRO
ARRONDIS



TAMPONS VELCRO
RECTANGULAIRES



AMPLIFICATEUR



MICROPHONE
FILAIRE



MICROPHONE
HYBRIDE



HAUT-PARLEURS
40 MM



SUPPORTS



TAMPONS
À ALCOOL



PLAQUE
DE COLLE



UNITÉ FREECOM 2X

Image: A visual representation of all components included in the Cardo FREECOM 2X Duo package, including the main units, speakers, microphones, and mounting accessories.

KEY FEATURES

Live Intercom with Auto-Reconnection

Experience exceptional audio quality with our new Bluetooth intercom featuring automatic reconnection. Designed for two riders, it offers a range of up to 800 meters (0.5 miles), ensuring you stay connected on the road.

INTERPHONE BLUETOOTH EN DIRECT



Image: Two Cardo FREECOM 2X units visually demonstrating their live Bluetooth intercom connection.

Sound by JBL

Powerful 40mm high-definition speakers, expertly engineered by JBL, combined with a specially tuned music processor and three distinct audio profiles, deliver an outstanding riding audio experience.

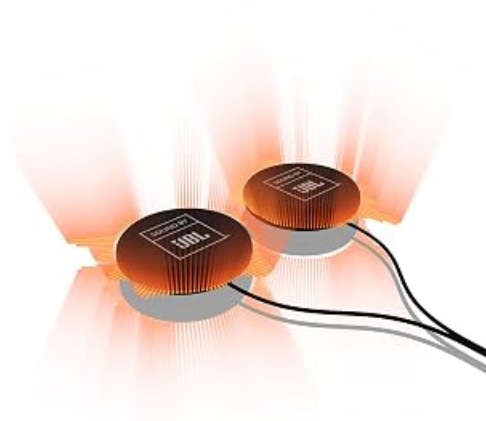


Image: Close-up of the JBL speakers, highlighting their design and the 'Sound by JBL' branding.

Waterproof Design

The FREECOM 2X is fully waterproof, ensuring reliable connectivity regardless of weather conditions. It is built to withstand rain, sun, mud, dust, or snow.



Image: The Cardo FREECOM 2X unit depicted with water splashes, illustrating its waterproof capability.

Over-the-Air Software Updates

Keep your device up-to-date effortlessly via the Cardo Connect app. Download the latest software updates over-the-air as soon as new versions become available, ensuring you always have the newest features and improvements.



Image: A smartphone displaying the Cardo Connect app interface, indicating an available software update for the device.

Integrated FM Radio with RDS

Enjoy your favorite radio stations with the built-in FM radio, featuring RDS for automatic selection of the strongest signal. This ensures clear reception whether you are in the city or in remote areas.

FONCTIONNALITÉS SUPPLÉMENTAIRES



Radio Fm



Connectivité
universelle



Mise à jour
logicielle en
direct



Volume
automatique



Diffusion de
musique en
continu



Téléphone
et GPS



Chargement
rapide

Image: A graphic illustrating various additional functionalities of the FREECOM 2X, including an icon for FM radio.

SETUP AND INSTALLATION

Follow these steps to properly set up and install your Cardo FREECOM 2X Duo system:

1. **Choose Mounting Location:** Select a suitable location on your helmet, typically on the left side, where the unit can be easily accessed and does not obstruct your vision or movement.
2. **Install Mounting Clamp/Adhesive Plate:** Depending on your helmet type and preference, use either the clamp mount or the adhesive plate to secure the base to the helmet. Ensure a firm and stable attachment.
3. **Attach Speakers:** Place the 40mm JBL speakers inside the helmet's ear pockets. Use the provided Velcro pads to secure them. Ensure they are positioned directly over your ears for optimal sound quality.
4. **Install Microphone:** Choose between the hybrid microphone (for open-face or modular helmets) or the wired microphone (for full-face helmets). Route the microphone cable discreetly and position the microphone close to your mouth.
5. **Mount the FREECOM 2X Unit:** Slide the FREECOM 2X unit onto the installed mounting base until it clicks securely into place.

6. **Initial Charging:** Before first use, fully charge the device using the provided USB cable. A full charge typically takes about 2.5 hours.
7. **Download Cardo Connect App:** For full functionality and easy management, download the Cardo Connect app from your smartphone's app store.



Image: A graphic illustrating that the Cardo FREECOM 2X system is adaptable to various helmet types, ensuring broad compatibility.

OPERATING INSTRUCTIONS

Power On/Off

- **Power On:** Press and hold the **Control Button** and **Media Button** simultaneously for 2 seconds.
- **Power Off:** Press and hold the **Control Button** and **Media Button** simultaneously for 5 seconds.

Pairing

- **Pairing with Phone:** In standby mode, press the **Phone Button** for 5 seconds. The LED will flash red and

blue. Select 'Cardo FREECOM 2X' on your phone's Bluetooth settings.

- **Intercom Pairing:** On both units, press and hold the **Intercom Button** for 5 seconds until the LED flashes red. Once paired, the LED will turn solid blue.

Phone Calls

- **Answer Call:** Tap the **Phone Button**.
- **End Call:** Tap the **Phone Button**.
- **Reject Call:** Press and hold the **Phone Button** for 2 seconds.

Music and FM Radio

- **Play/Pause Music:** Tap the **Media Button**.
- **Next Track:** Rotate the **Jog Dial** forward.
- **Previous Track:** Rotate the **Jog Dial** backward.
- **Turn FM Radio On/Off:** Press and hold the **Media Button** for 2 seconds.
- **Scan FM Stations:** Tap the **Media Button** while FM radio is on.

Volume Control

- **Increase Volume:** Rotate the **Jog Dial** upwards.
- **Decrease Volume:** Rotate the **Jog Dial** downwards.

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your FREECOM 2X Duo system:

- **Cleaning:** Regularly wipe the unit with a soft, damp cloth. Avoid using harsh chemicals or abrasive cleaners. Ensure all ports are dry before charging.
- **Battery Care:** For best battery life, avoid fully discharging the unit frequently. Charge the device regularly, especially if it will be stored for an extended period. Store in a cool, dry place.
- **Software Updates:** As mentioned, utilize the Cardo Connect app for over-the-air software updates. These updates often include performance improvements, bug fixes, and new features.
- **Storage:** When not in use, store the unit in a protective case to prevent scratches and damage.

TROUBLESHOOTING

If you encounter issues with your FREECOM 2X Duo, try the following solutions:

Problem	Possible Solution
Device does not power on	Ensure the battery is charged. Connect to a power source and try again. If unresponsive, perform a factory reset (refer to the full manual for specific steps).
No audio from speakers	Check speaker connections. Ensure volume is not muted or too low. Verify speakers are correctly positioned over ears.
Intercom not connecting	Ensure both units are within range (800m). Re-initiate intercom pairing process. Check for obstructions.

Problem	Possible Solution
Bluetooth connection issues	Forget the device on your phone's Bluetooth settings and re-pair. Restart both the FREECOM 2X and your phone.
Poor microphone quality	Ensure microphone is positioned correctly and not obstructed. Check for wind noise and adjust microphone placement if necessary.

For more complex issues or detailed troubleshooting, please refer to the comprehensive Cardo FREECOM 2X manual available on the official Cardo website or contact Cardo support.

SPECIFICATIONS

Feature	Detail
Model Name	FREECOM 2X - DUO
Connectivity Technology	Wireless Bluetooth
Bluetooth Version	5.2 (implied by product description)
Intercom Range	Up to 800m (0.5 miles) for 2 riders
Audio	Sound by JBL, 40mm HD speakers, 3 audio profiles
Water Resistance Level	Waterproof (IPX67)
Battery Type	Lithium-ion, Rechargeable
Battery Life	Up to 13 hours talk time (implied by feature graphic)
Charging	Fast Charge via USB
Weight	40 Grams
Frequency Range	20 Hz - 20,000 Hz
Control Type	Application, Jog Dial
Compatible Devices	Computer, Laptop, Phone, Mobile Phone, Tablet
Special Features	Microphone included, Over-the-Air Software Updates, FM Radio with RDS

WARRANTY AND SUPPORT

Your Cardo FREECOM 2X Duo comes with a manufacturer's warranty and dedicated support:

- **Manufacturer Warranty:** The product is covered by a 2-year manufacturer warranty. Please retain your proof of purchase for warranty claims.
- **Spare Parts Availability:** Spare parts for the FREECOM 2X are available for 5 years from the date of purchase.
- **Software Updates:** Software updates are guaranteed for the product's lifespan, ensuring continued

functionality and improvements.

- **Customer Support:** For technical assistance, warranty claims, or any other inquiries, please visit the official Cardo Systems website or contact their customer support team. Detailed contact information can usually be found on the Cardo website or in the product packaging.

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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