



FREECOM 2

Manual

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This is version X.X of the FREECOM 2 Manual. Please visit cardosystems.com/product-manuals/ for the latest version of this manual in your preferred language, as well as other manuals and tutorials.

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1. Introduction

Thank you for choosing the Cardo FREECOM 2 Bluetooth® communication and entertainment system for motorcycle helmets.

This Manual describes the features of your FREECOM 2 and how to use them.

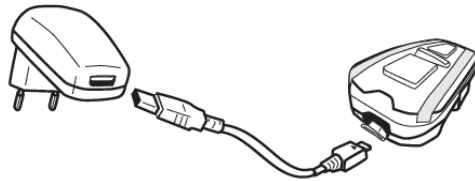
We wish you a great FREECOM 2 experience with your FREECOM 2 and encourage you to write to us at **support@cardosystems.com** regarding any questions, suggestions or comments you may have.

If you have not yet installed the FREECOM 2 headset in your helmet, please install it as described in the FREECOM 2 Installation Guide provided in the package.

2. Charging the FREECOM 2

Make sure that your FREECOM 2 battery is fully charged for at least 4 hours before initial use.

To charge the FREECOM 2:



1. Using the USB cable, connect your computer or wall charger supplied with your FREECOM 2 to the FREECOM 2 USB port.

- Charging with the wall charger is faster than via a computer USB port.
- Charging your headset switches it off automatically. To use your headset while it is being charged, switch it on. (see [Section 3.2 - Switching Your Headset On/Off](#)).

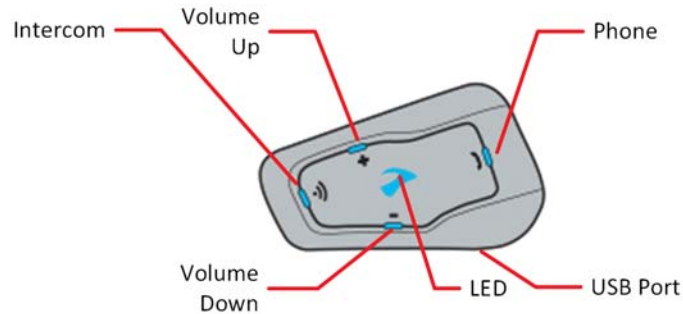
During charging, the LED indicates charging status as follows:

- red LED on - charging
- red LED off - charging complete

3. Getting Started

3.1 Getting to Know Your Headset

The FREECOM 2 headset has the following items for operating the unit:



The headset weighs 35 g (1.2 oz).

3.2 Switching Your Headset On/Off

To switch your FREECOM 2 on:

- Press  and  for 1 second. The speaker plays an ascending tone and a voice message "Hello FREECOM 2".

The LED confirms your FREECOM 2 is on:

- Normal battery - LED flashes blue three times repeatedly.
- Low battery - LED flashes red three times repeatedly.
- Charging - LED flashes red and purple three times repeatedly.

To switch your FREECOM 2 off:

- Tap  and . The speaker plays a descending tone and a voice message "Goodbye".

Connecting your headset to a charge switches off the headset.

3.3 Different Ways to Operate Your FREECOM 2

You can operate the various features by any of the following methods:

- Pressing a button or combination of buttons on the headset.
- Using the SmartSet app on your mobile device (once it is paired with the headset).
- Using the Voice-Assisted Menu in combination with either headset buttons or with the VOX (voice activation). VOX is for hands free operation of your FREECOM 2. You can say a word or phrase loudly when the voice-assisted menu reaches the function you want to use and your FREECOM 2 performs that function. You can also adjust VOX sensitivity for the microphone, see "Configuring Your FREECOM 2 Basic Settings" on page 14

LEDs, tones and voice announcements provide feedback to your operating a feature, as described in "FREECOM 2 Modes and Events" on page 36.

This manual describes the most suitable method or methods to operate each feature.

3.4 Basic Functions

To turn the volume up for current audio source:

- Tap .

With each tap, a louder tone is played on the speaker until you reach the maximum volume, as indicated by the maximum volume tone.

To turn the volume down for current audio source:

- Tap .

With each tap, a quieter tone is played on the speaker until you reach the minimum volume, as indicated by the minimum volume tone.

To mute the microphone completely and lower the speaker volume for the current state:

- Tap  and .

The red LED comes on for 2 seconds and a descending tone is played on the speaker.

Automatic Gain Control (AGC) adjusts your speaker volume according to ambient noise and riding speed. To adjust AGC sensitivity, see "Configuring Your FREECOM 2 Basic Settings" on page 14.

3.5 Pairing Your Headset to Bluetooth Devices

Your FREECOM 2 has two Bluetooth channels for connection to Bluetooth devices such as mobile phones, GPS devices and Bluetooth music players with A2DP.

To connect your FREECOM 2 to a Bluetooth device, you must first pair them. Once paired, they automatically recognize each other whenever they are within range.

3.5.1 Pairing through the Headset Buttons

To pair Bluetooth channel 1 to a Bluetooth device:

1. Enable Bluetooth on the device (such as mobile phone, GPS device, music player).
2. Press  for 5 seconds. The LED flashes red and blue.
3. Search for Bluetooth devices on your device as described in your device's instructions.
4. After a few seconds the device lists your FREECOM 2. Select it.
5. If prompted for a PIN or Passkey, enter 0000 (four zeros).
6. The device confirms that pairing has succeeded and the LED flashes purple for 2 seconds.

To pair Bluetooth channel 2 to another Bluetooth device:

1. Enable Bluetooth on the device (such as mobile phone, GPS device, music player).
2. Press  for 5 seconds. The LED flashes red and blue.
3. Tap  twice. The LED starts flashing red and green.
4. Search for Bluetooth devices on your device as described in your device's instructions.
5. After a few seconds the device lists your FREECOM 2. Select it.
6. If prompted for a PIN or Passkey, enter 0000 (four zeros).
7. The device confirms that pairing has succeeded and the LED flashes purple for 2 seconds.

To pair a Bluetooth channel to a GPS device:

1. Enable Bluetooth on the GPS device.
2. Press  for 5 seconds. The LED flashes red and blue.

If you want to pair the GPS device to Bluetooth channel 2, tap  twice. The LED starts flashing red and green.

3. Tap . The LED starts flashing red and green slowly.
4. The device confirms that pairing has succeeded and the LED flashes purple for 2 seconds.

- If pairing is not completed within 2 minutes, the headset automatically returns to Standby.
- If you have paired two different mobile phones directly to your FREECOM 2, set one as default for making calls (see "Setting the Default Mobile Phone" on page 23).
- Not all Bluetooth mobile phones broadcast Bluetooth Stereo music (A2DP), even if the phone has an MP3 player function. Consult your mobile phone's user manual for more information.
- Not all Bluetooth GPS devices allow connection to Bluetooth audio devices. Consult your GPS User Manual for more information.

To cancel the pairing process:

- Press  for 2 seconds. The LED stops flashing red and blue or green and blue.

To reset all Bluetooth device pairing:

1. Press  and  for 5 seconds and your FREECOM 2 LED confirms pairing reset:
 - Normal and low battery states - LED flashes purple slowly 5 times.
 - Charging - LED flashes purple and red slowly 5 times.

3.5.2 Pairing through the Headset Voice-Assisted Menu

To pair your FREECOM 2 with Cardo headsets through the headset voice-assisted menu:

1. Tap  and .
2. When the voice-assisted menu reaches "Advanced Features", tap  or use VOX.
3. When the voice-assisted menu reaches the required option, tap  or use VOX.

- To reset all Bluetooth intercom pairing, select the menu option "Reset Mobiles and GPS Pairing".

3.6 Pairing the Bluetooth Intercom

The FREECOM 2 allows full-duplex Bluetooth intercom communication for chatting with another rider on Cardo or non-Cardo devices.

To connect your FREECOM 2 to another device with a Bluetooth intercom, you must first pair their channels.

- Pairing a channel replaces any existing paired device on that channel with the new device.
 - If you have purchased the FREECOM 2 MultiSet, the retail package contains two prepared units.
 - Your FREECOM 2 is compatible with most Cardo models for Bluetooth intercom calls. In addition, it is also compatible with the Schuberth SRC-System™.
- For details on how to pair and use your FREECOM 2 with other FREECOM 2 models, go to www.cardosystems.com/compatibility.

3.6.1 Pairing the Bluetooth Intercom to other Cardo Headsets

To pair your FREECOM 2 with Cardo headsets through the headset buttons:

1. Confirm your FREECOM 2 is in Standby mode (LED flashes slowly).
2. On your headset, press  for 5 seconds.
3. On the other Cardo headset, activate Bluetooth pairing mode (see the other Cardo headset user manual).
4. The device confirms that pairing has succeeded and the LED flashes purple for 2 seconds.

- To cancel the pairing process, press  until the LED stops flashing.
- If pairing is not completed within 2 minutes, the headset automatically returns to Standby.
- To reset all Bluetooth intercom pairing, while in Bluetooth intercom pairing mode, press  and  for 2 seconds.

To pair your FREECOM 2 with Cardo headsets through SmartSet:

1. Confirm your FREECOM 2 is in Standby mode (LED flashes slowly).
2. Open SmartSet and tap .
3. Tap **Bluetooth**
4. Tap **Add** for the required channel. and follow the on screen menus.

- To reset all Bluetooth intercom pairing, tap **Delete all**.

To pair your FREECOM 2 with Cardo headsets through the headset voice-assisted menu:

1. Confirm your FREECOM 2 is in Standby mode (LED flashes slowly).
2. Tap  and .
3. When the voice-assisted menu reaches "Advanced Features", tap  or use VOX.
4. When the voice-assisted menu reaches your required option ("Pair Intercom A", "Pair Intercom B", or "Pair Intercom C"), tap  or use VOX.

3.6.2 Pairing the Bluetooth Intercom to non-Cardo Headsets

The Cardo gateway enables Cardo headsets to connect to non-Cardo over Bluetooth.

To pair your FREECOM 2 with non-Cardo headsets through the headset buttons:

1. Confirm your FREECOM 2 is in Standby mode (LED flashes slowly).
2. On your headset, press  for 5 seconds.
3. Tap  to activate the Cardo gateway.
4. On the non-Cardo headset, activate Bluetooth pairing mode (see the non-Cardo headset user manual).
5. The device confirms that pairing has succeeded and the LED flashes purple for 2 seconds.

- To cancel the pairing process, press  until the LED stops flashing.
- If pairing is not completed within 2 minutes, the headset automatically returns to Standby.
- To reset all Bluetooth intercom pairing, while in Bluetooth intercom pairing mode, press  and  for 2 seconds.

To pair your FREECOM 2 with non-Cardo headsets through SmartSet:

1. Confirm your FREECOM 2 is in Standby mode (LED flashes slowly).
2. Open SmartSet and tap .
3. Tap **Bluetooth**.
4. Tap **Add** for the required channel. and follow the on screen menus.

- You can only pair through Channel A. You cannot share music or FM radio.

1. Confirm your FREECOM 2 is in Standby mode (LED flashes slowly).
2. When the voice-assisted menu reaches your required option ("Pair Mobile phone to Channel 1", "Pair Mobile phone to Channel 2", or "Pair GPS to Channel 1), tap  or use VOX.

4. Before You Ride

Get the most out of your FREECOM 2 by changing the settings and customizing your headset according to your own personal preferences.

You can customize your FREECOM 2 using either of the following methods:

- Cardo SmartSet App on iOS / Android (see "Configuring Your FREECOM 2 through Cardo SmartSet" on page 14).
- Cardo Community on Windows / Mac - minimum requirements - Windows® 7 / Mac OS X 10.8 (see "Configuring Your FREECOM 2 through the Cardo Community" on page 19).
- Headset buttons
- Voice-assisted menu on your device

Cardo recommends customizations and settings before setting out on the road.

Object	Default Value	Description	SmartSet App (iOS/Android)	Cardo Community	Voice-Assisted Menu
AGC sensitivity (Off/Low/Medium/High)	Medium	AGC (Automatic Gain Control) automatically adjusts speaker volume according to ambient noise and riding speed. The volume increases slowly, adjusting for a quiet helmet and motorcycle.	✓	✓	✓
Audio priority (A2DP/Bluetooth intercom)	Intercom	Priority of audio source playing through speakers. Either music is not interrupted by an intercom call, or vice-versa.	✓	✓	✓
Background Audio Level	N/A	Sets the background audio volume when parallel audio streaming is on.	✓	✗	✗
Bluetooth friendly name	FREECOM 2	Sets the name that appears on your phone while pairing and in SmartSet.	✓	✓	✗
Click-to-Link settings (Enable/Disable)	Enable	Spontaneous way to instantly initiate one-on-one intercom calls with other riders near you, without being paired.	✓	✓	✓

Object	Default Value	Description	SmartSet App (iOS/Android)	Cardo Community	Voice-Assisted Menu
Download the latest firmware upgrade	N/A	For new features, your Cardo headset software may periodically require upgrades. Firmware upgrades implement software upgrades. For more information, see "Configuring Your FREECOM 2 Basic Settings" on page 19.	✗	✓	✗
Language	According to Your Region	Voice announcements language (see "Spoken Status Announcements" below).	✓	✗	✓
Mobile priority	Mobile 1	If you paired your headset to two mobile phones, you must set one of them as the default phone for outgoing calls.	✓	✗	✗
Parallel audio streaming	Enable	You can hear two audio sources simultaneously. For example, hear GPS while listening to music.	✓	✓	✓
RDS (Enable/Disable)	Disable	Radio Data System allows the radio to automatically retune to the strongest frequency available for the FM station you are listening to when the signal becomes too weak	✓	✓	✓
Set speed dial numbers	Empty	Pre-set phone numbers for automatic dialing.	✓	✓	✗
Set the 6 FM radio presets	107.5	Pre-set FM radio stations.	✓	✓	✗
Spoken Status Announcements (Enable/Disable)	Enable	Voice announcements that inform you to whom or to what device you are connected.	✓	✓	✓
VOX operation	Enable	Enables voice activation of certain features for hands-free operation.	✓	✓	✓
VOX sensitivity (Low/Medium/High)	Medium	Adjusts your microphone sensitivity for voice activation while you are riding. For example, in high ambient noise situations, setting VOX sensitivity to low requires speaking loudly.	✓	✓	✓

AGC and VOX performance vary based on environmental conditions, including riding speed, helmet type and ambient noise. For improved performance, minimize the wind impact on the microphone by using the large microphone sponge and closing the visor.

4.1 Configuring Your FREECOM 2 through Cardo SmartSet

You can configure your FREECOM 2 through your mobile phone by installing the Cardo SmartSet available at Google Play Store and Apple App Store.

The minimum operating system requirements for SmartSet are:

- Android: 4.0 and higher
- IOS: 8 and higher

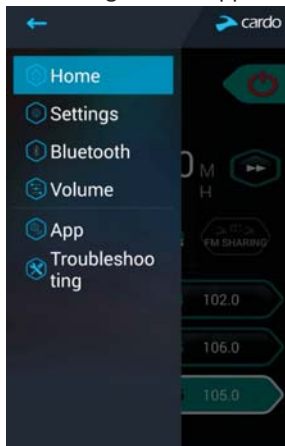
4.1.1 Configuring Your FREECOM 2 Basic Settings

To configure your FREECOM 2 through the SmartSet app:

1. Make sure that your headset is paired to the mobile device on which SmartSet is installed.
2. Open SmartSet and tap :



3. The settings screen appears.



4. Use the appropriate menu to configure your FREECOM 2 settings:

- **Settings** - FREECOM 2 features
 - ◆ **MY DEVICE** - change **Device Name**.
 - ◆ **LANGUAGE** - set **Language**.
 - ◆ **Spoken Status Announcements** - enable/disable.
 - ◆ **VOX** - enable/disable **VOX Activation**; set **VOX Sensitivity** (low, medium, or high); set **VOX Operation** (Voice command or Intercom call).
 - ◆ **AGC** - enable/disable **AGC Activation**, set **AGC Sensitivity** (low, medium, or high).
 - ◆ **FEATURES** - enable/disable **Click-to-link**, enable/disable **IC to Phone**, enable/disable **Parallel Audio Streaming**, set **A2DP/IC Priority** (A2DP or Intercom), , set **FM Band Region** (Worldwide or Japan).
 - ◆ **Reset to Factory**.
- **Bluetooth** - connected devices and riders
- **Volume** - sets the level for each audio source (mobile phone, intercom, music, FM, announcements, background audio-level).
- **App** - SmartSet preferences and general information
- **Troubleshooting** - FAQ, email Cardo **SUPPORT**, **FEEDBACK**

4.1.2 Configuring Speed Dial Numbers

To configure the speed dial numbers:

1. In the Home screen, tap **PHONE**.



2. Press **SPEED DIAL** or one of  until the following screen appears:
3. Enter the desired phone number and tap OK.



The three speed dial numbers you configure in the  locations are only available only through SmartSet.

4.1.3 Configuring Your FM Radio

Your FREECOM 2 includes a built-in FM radio with a six presets and Radio Data System (RDS), as described in the following sections.

4.1.3.1 Setting the FM Band

The FM Band Frequency is set to Worldwide FM frequencies by default. In Japan, you must change the FM Band.

To set the FM Band:

1. Open SmartSet and tap :
2. Tap .
3. Scroll to the **FEATURES** section and tap **Worldwide** or **Japan** to toggle your **FM Band Region**.



4.1.3.2 Configuring Your FM Radio Manually

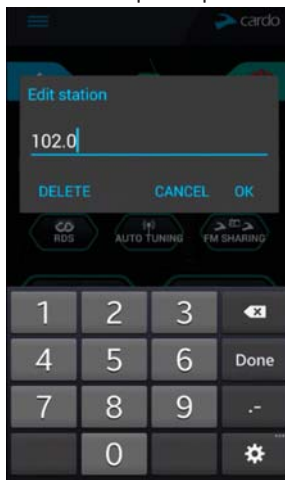
You can configure your FM radio preset stations manually or using auto scan (see "Configuring Your FM Radio Using Auto Scan" on the next page).

To configure the six FM radio preset radio stations manually:

1. In the Home screen, tap **FM**.



2. Press the required preset until the following screen appears:



3. Enter the desired FM station's frequency and tap OK.
4. To delete a preset station, tap **DELETE** in Step 2

- Preset radio station 1 cannot be deleted.
- During a station scan, deleted preset radio stations are skipped. The station scan automatically advanced to the next defined preset station. For more information, see "Listening to FM Radio" on page 29.

4.1.3.3 Configuring Your FM Radio Using Auto Scan

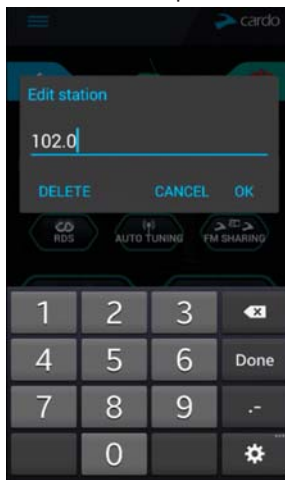
You can configure your FREECOM 2 FM radio preset stations using auto scan, which automatically locates FM stations.

To configure the six FM radio preset radio stations using Auto Scan:

1. In the Home screen, tap **FM**.



2. Press . The preset is automatically reset to the FM station with the strongest signal available.

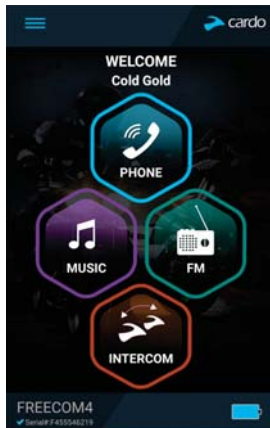


4.1.3.4 Configuring FM Radio RDS through Cardo SmartSet

RDS allows the FM radio to automatically retune to the strongest frequency available for the FM station you are listening to when the signal becomes too weak

To enable/disable RDS:

1. Open SmartSet and tap :



2. In the Home screen, tap **FM**.



3. Tap . RDS enables/disables.

4.2 Configuring Your FREECOM 2 through the Cardo Community

You can configure your FREECOM 2 through your computer by connecting it to the headset with the provided USB cable and running the Cardo Updater while your computer is connected to the Cardo Community website.

The minimum operating system requirements for the Cardo Updater are:

- Windows® 7
- Mac OS X 10.7.

4.2.1 Installing the Cardo Updater on Your Computer

To install the Cardo Updater on your computer:

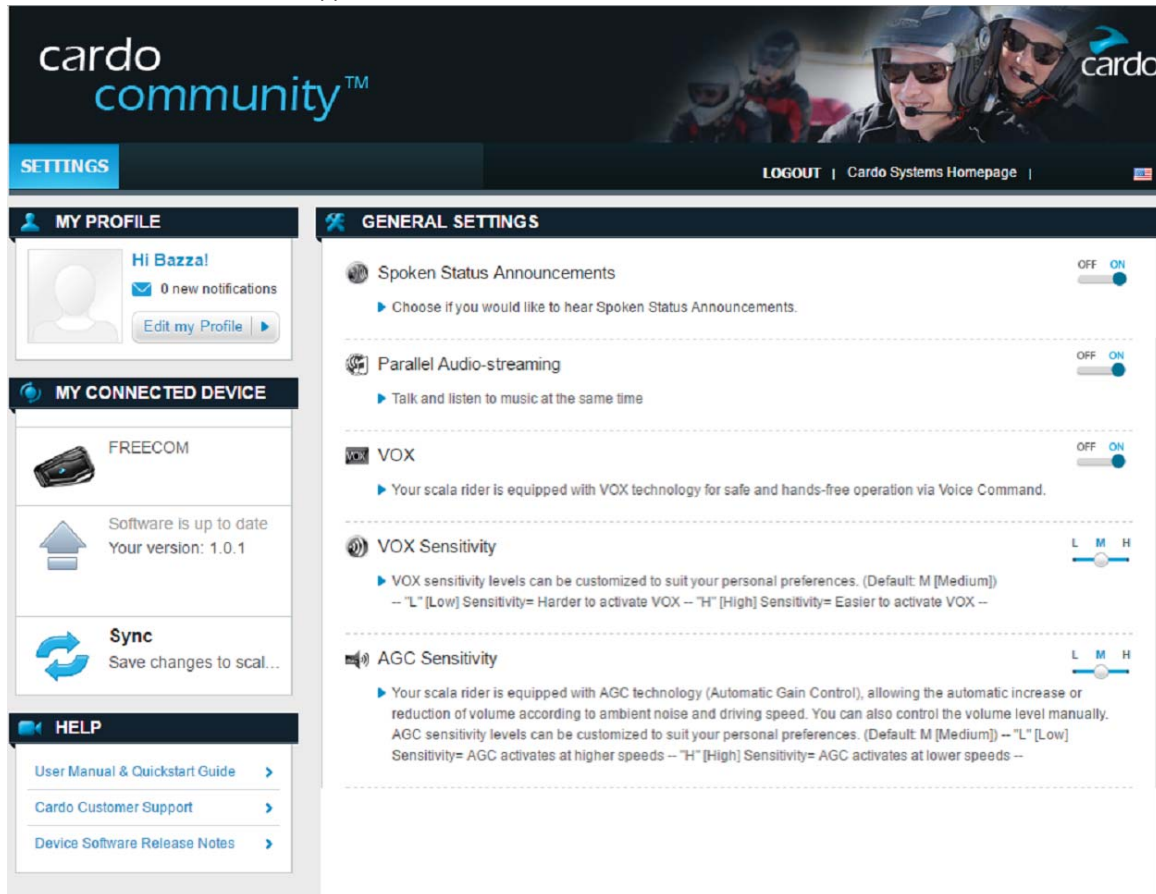
1. Go to <http://cardosystems.com/cardo-community/>, register and login.
2. Download the Cardo Updater from the provided links and install it on your computer.

4.2.2 Configuring Your FREECOM 2 Basic Settings

To configure your FREECOM 2 through the Cardo Community:

1. Run the Cardo Updater.

- Using the USB cable provided with your FREECOM 2, connect your headset to the computer USB port. The **GENERAL SETTINGS** window appears:



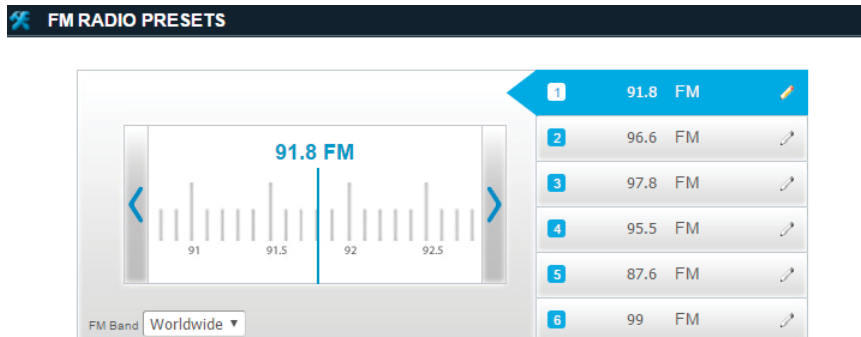
- Set the options you require for each feature, using the provided explanations as a guide.

If a new firmware version is available, follow the instructions on the screen to update your phone with the latest features.

4.2.3 Configuring Your FM Radio through Cardo Community

To configure the six FM radio preset radio stations using Cardo Community:

- Scroll down to **FM RADIO PRESETS**.



- On **FM Band**:

- If in Japan, select **Japan**.
 - Otherwise, select **Worldwide**.
3. On the preset station you want to edit, click .
 4. Enter the desired FM station's frequency and press **Enter**.

You can also use the left and right blue arrows on the frequency scale to update the preset frequency.

4.3 Configuring Your FREECOM 2 through the Headset Voice-Assisted Menus

You can configure your FREECOM 2 using the headset's voice-assisted menu in combination with either headset buttons or use VOX.

To configure your FREECOM 2 through the voice-assisted menus:

1. Confirm your FREECOM 2 is in Standby mode (LED flashes slowly).
2. Tap  and  for 2 seconds.
3. When the voice-assisted menu reaches your required option ("Language", "A2DP Audio Priority", "Spoken Status Announcements", "Click-to-Link", "AGC", "RDS", "VOX Sensitivity", "VOX", "Background Audio Level"), tap  or use VOX.

4.4 Using Parallel Audio Streaming

With parallel audio streaming, you can hear GPS instructions during a mobile or Bluetooth intercom call, or while listening to other audio sources, such as music or FM radio.

FREECOM 2 sets the various audio sources to either foreground (volume remains the same) or background (volume reduced) as described in the following table:

Mobile Phone 1/2	GPS	Intercom 1	Intercom 2	Music	FM Radio
Foreground	Foreground				
Foreground ¹		Foreground ¹			
Foreground				Background	
Foreground					Background
	Foreground	Foreground			
	Foreground			Background	
	Foreground				Background
		Foreground		Background	
		Foreground			Background
				Foreground ²	
					Foreground ³

¹If you add an intercom call to a mobile phone call creating a conference call, the volume for both audio sources is the same.

²If you play music only, the music volume is not reduced.

³If you play the FM radio only, the FM radio volume is not reduced.

In some cases, parallel audio streaming may not work properly due connected device limitations (music player or GPS navigator). For more information, see [Section 6.4 - FAQ](#).

You cannot use music sharing for voice audio between riders during parallel audio streaming. You must use the intercom (Click-to-Link) for voice audio.

To configure parallel audio streaming:

- Smartset - see "Configuring Your FREECOM 2 Basic Settings" on page 14
- Cardo Community - see "Installing the Cardo Updater on Your Computer" on page 19

4.5 Audio Source Priorities

If Parallel Audio Streaming is disabled, FREECOM 2 manages the audio sources you hear through the speakers according to the following audio source priorities.

Priority	Audio Source
Higher Priority	Mobile phone 1, GPS device instructions
↑	Mobile phone 2, GPS device instructions
	Intercom (Click-to-Link) or Music ¹
	Music or Intercom (Click-to-Link) ²
Lower Priority	FM Radio

¹When audio priority is set to Intercom, you cannot hear GPS app or SMS messages from your phone.

²When audio priority is set to A2DP (music), you cannot hear the intercom. A rider calling you by intercom hears a sound indicating you are not available.

- Intercom modes all have the same priority, so ongoing intercom calls will not be interrupted by any other intercom call.
- Bluetooth intercom and Click-to-Link calls have the same priority, so Click-to-Link calls will not interrupt any Bluetooth intercom call in progress, and vice versa.

4.6 Setting the Default Mobile Phone

If you paired your headset to two mobile phones, you must set one of them as the default phone for outgoing calls.

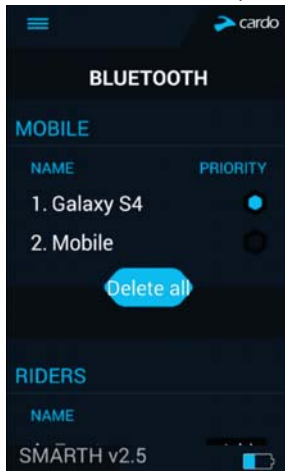
To set the default phone through SmartSet:

1. Confirm your FREECOM 2 is in Standby mode (LED flashes slowly).

2. Open SmartSet and tap :



3. Under **BLUETOOTH**, tap **PRIORITY** for the default mobile phone.



To set the default phone through the headset:

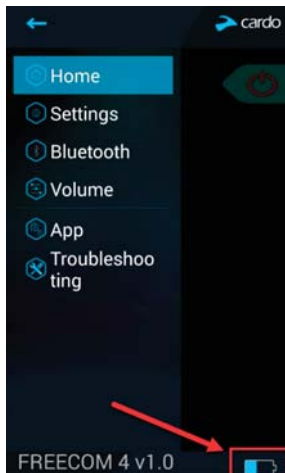
- During a mobile call, press  for 5 seconds.

4.7 Checking Battery Status through Cardo SmartSet

Battery Status on Your Mobile Phone

If you installed SmartSet on your mobile phone, you can check the battery status as follows:

- Android - the headset battery indicator appears in the app bottom right-corner, as well as in the notification bar:



- iOS - the headset battery indicator appears next to the iPhone battery indicator.

If your FREECOM 2 battery level reaches 20%, you hear a battery status voice announcement warning you that your battery is low.

5. On the Road

5.1 Making and Receiving Phone Calls

You can use your mobile phone normally to make and receive phones while paired to your FREECOM 2.

5.1.1 Making Phone Calls

To make a phone call through the headset buttons:

- with your mobile phone's voice dialing - press  and  (not available during mobile calls).
- dialing the default speed dial number - press  three times.
- redialing the last number called - press  for 2 seconds (not available during mobile calls).

To make a phone call through SmartSet:

- In SmartSet, either:
 - tap **Phone** then tap the required speed dial (to define speed dials, see "Configuring Speed Dial Numbers" on page 15).
 - or
 - tap **REDIAL**.

To make a phone call through the headset voice-assisted menu:

1. Confirm your FREECOM 2 is in Standby mode (LED flashes slowly).
2. Tap  and .
3. When the voice-assisted menu reaches your required choice ("Voice Dial", "Redial" or "Speed Dial"), tap  or use VOX.

5.1.2 Answering Phone Calls

To answer a phone call through the headset buttons:

- Tap  or .

To answer a phone call through VOX:

- Say a word loudly.

5.1.3 Rejecting Phone Calls

To reject a phone call through the headset buttons:

- Press  for 2 seconds.

To reject a phone call through VOX:

- Remain silent for 30 seconds.

5.1.4 Ending Phone Calls

To end a phone call through the headset buttons:

- Tap .

To end a phone call through SmartSet:

1. In the Home screen, tap **PHONE**.
2. Press **END CALL**.

5.1.5 Toggling Between Two Calls on Two Mobile Phones Paired to Your Headset

Your FREECOM 2 can toggle between two calls on two mobile phones when both mobile phones are paired to your headset.

To toggle between two calls on two mobile phones through the headset buttons:

- Tap  twice.

5.1.6 Disconnecting the Current Call and Switching To The Second Call

You can disconnect the current call and switch to the second phone when both mobile phones are paired to your headset.

To disconnect the current call and switch to the call on the second phone when two mobile phones are paired to your headset, through the headset buttons:

- Tap .

5.2 Making and Receiving Bluetooth intercom Calls

- To make and receive Bluetooth intercom calls, you must first pair the Bluetooth, see "Pairing the Bluetooth Intercom" on page 10.

To start a Bluetooth intercom call, do one of the following:

- To start a call with the rider or add the rider to a call, tap .
- Use VOX. If you are paired and connected, a Bluetooth intercom call with the rider starts.
- To use the headset voice-assisted menu:
 - a. Tap  and .
 - b. When the voice-assisted menu reaches "Call Intercom", tap  or use VOX.

To end a Bluetooth intercom call, do one of the following:

- To end the Bluetooth intercom connection, press  for 2 seconds.
- If you initiated the Bluetooth intercom call using VOX: remain silent for at least 30 seconds. The call is disconnected.
- To use SmartSet: On the **INTERCOM** screen, select the required channel to disconnect.

5.2.1 Receiving Bluetooth intercom Calls

- If the other paired headset calls you via Bluetooth intercom, the call begins instantly.
- To receive Bluetooth intercom calls from unpaired headsets, see "Click-To-Link Calls" on the next page.

5.2.2 Holding a Mobile/Bluetooth intercom Conference Call

You can hold a conference call between a mobile call and Bluetooth intercom call.

To add a Bluetooth intercom call to the current mobile call:

- To add the rider to a call, tap .

To disconnect the Bluetooth intercom conference call from the mobile call, do one of the following:

- To end the active Bluetooth intercom connection, press  for 2 seconds.
- To use SmartSet: On the **INTERCOM** screen, disconnected the active channel.

After disconnecting the Bluetooth intercom call, you can continue talking on the mobile call. Similarly, if you first disconnect the mobile call, you can continue talking on the Bluetooth intercom call.

5.2.3 Bluetooth Intercom Busy Signal

A busy signal is heard when you attempt a Bluetooth intercom call when the other rider is in a phone call.

5.2.4 Click-to-Link Calls

Click-to-Link is a spontaneous way to instantly initiate one-on-one intercom calls with other riders near you, without being paired.

If other Cardo users are nearby, your next Click-to-Link call may randomly connect to any of them.

To make a Click-to-Link call through SmartSet:

1. Open SmartSet and tap **Intercom**.
2. Tap **CLICK TO LINK**.

To end a Click-to-Link call through the headset buttons:

- Tap .

To end a Click-to-Link call through VOX:

- Remain silent for at least 30 seconds. Any open intercom call to a single rider (A, B or C) is disconnected.

5.2.4.1 Incoming Click-to-Link Intercom Calls

To block incoming Click-to-Link calls, disable Click-to-Link (see "Before You Ride" on page 12).

To accept a Click-to-Link call through the headset buttons:

- Tap .

To reject a Click-to-Link call through the headset buttons:

- Press  for 2 seconds.

To accept a Click-to-Link call through VOX:

- Say a word loudly.

5.3 Listening to Music and Radio

5.3.1 Listening to Music

To start music streaming from your paired device, do one of the following:

- To use the headset buttons: tap .
- To use SmartSet: on the **MUSIC** screen, tap .
- To use the headset voice-assisted menu:
 - a. Tap  and .
 - b. When the voice-assisted menu reaches "Music On", tap  or use VOX.

To stop music streaming from your paired device, do one of the following:

- To use the headset buttons: press  for 2 seconds.
- To use SmartSet: on the **MUSIC** screen, tap .
- To use the headset voice-assisted menu:
 - a. Tap  and .
 - b. When the voice-assisted menu reaches "Music Off", tap  or use VOX.

To skip to the next track (while streaming music):

- To use the headset buttons: tap .
- To use SmartSet: on the **MUSIC** screen, tap .
- To use the headset voice-assisted menu:
 - a. Tap  and .
 - b. When the voice-assisted menu reaches "Next Track", tap  or use VOX.

To skip to the previous track (while streaming music):

- To use the headset buttons: tap  twice.
- To use SmartSet: on the **MUSIC** screen, tap .
- To use the headset voice-assisted menu:
 - a. Tap  and .
 - b. When the voice-assisted menu reaches "Previous Track", tap  or use VOX.

To forward auto scan tracks (while streaming music) and then play your desired track:

- To use the headset buttons:
 - a. Press  and . Forward scan plays a few seconds of each track.
 - b. When you hear a track you want to play, tap .
- To use SmartSet:
 - a. On the **MUSIC** screen, under **MUSIC SCAN**, tap . Forward scan plays a few seconds of each track.

- b. When you hear a track you want to play, on the **MUSIC** screen, under **MUSIC SCAN**, tap .
- To use the headset voice-assisted menu:
 - a. Tap  and .
 - b. When the voice-assisted menu reaches "Scan tracks up", tap  or use VOX.

To backward auto scan tracks (while streaming music) and then play your desired track:

- To use the headset buttons:
 - a. Press  and . Backward scan plays a few seconds of each track.
 - b. When you hear a track you want to play, tap .
- To use SmartSet:
 - a. On the **MUSIC** screen, under **MUSIC SCAN**, tap . Backward scan plays a few seconds of each track.
 - b. When you hear a track you want to play, on the **MUSIC** screen, under **MUSIC SCAN**, tap .
- To use the headset voice-assisted menu:
 - a. Tap  and .
 - b. When the voice-assisted menu reaches "Scan tracks down", tap .
 - c. When you hear a track you want to play, use VOX.

5.3.1.1 Switching Music Sources

If two music (A2DP) audio sources are paired, FREECOM 2 uses the audio source from which you last played music.

To switch to the other audio source:

1. Stop music (A2DP) playback from the current device (see "Listening to Music" on the previous page).
2. Play music (A2DP) from the other device (see "Listening to Music" on the previous page).

FREECOM 2 automatically remembers your last played device.

5.3.2 Listening to FM Radio

To turn on the FM radio, do one of the following:

When you switch on your FM radio, the station that was playing when you last switched off resumes playing.

- To use the headset buttons: tap  and twice.
- To use SmartSet: on the **FM** screen, tap the On/Off button.
- To use the headset voice-assisted menu:
 - a. Tap  and .
 - b. When the voice-assisted menu reaches "Radio On", tap  or use VOX.

To turn the FM radio off, do one of the following:

- To use the headset buttons: press  for 2 seconds.
- To use SmartSet: on the **FM** screen, tap the On/Off button.

- To use the headset voice-assisted menu:
 - a. Tap  and .
 - b. When the voice-assisted menu reaches "Radio Off", tap  or use VOX.

To play a different preset station:

- To use the headset buttons, do one of the following:
 - tap  for the next preset
 - tap  twice for the previous preset
- To use SmartSet: On the **FM** screen, tap the desired preset.

To seek the next available station:

- To use SmartSet: On the **FM** screen, do one of the following:
 - tap .
 - tap .
- To use the headset voice-assisted menu:
 - a. Tap  and .
 - b. When the voice-assisted menu reaches "Next Station", tap  or use VOX.

To scan available stations and select your desired station:

- To use the headset buttons:
 - a. Tap  and . The FM radio plays each station that it finds for several seconds.
 - b. When you hear a track you want to play, tap .
- To use SmartSet:
- To use the headset voice-assisted menu:
 - c. Tap  and .
 - d. When the voice-assisted menu reaches "Previous Station", tap  or use VOX.
 - e. When you hear a track you want to play, use VOX.

To store a scanned station in the active preset:

- To use the headset buttons: tap  within 20 seconds of stopping the scan.
- Use VOX.

To set all presets efficiently using Cardo Community, see "Configuring Your FM Radio Using Auto Scan" on page 17
To set all presets efficiently using SmartSet, see "Configuring Your FM Radio Manually" on page 16

Temporarily Storing New FM Radio Preset Stations Using Auto Scan

You can temporarily store new FM radio stations in the presets using auto scan. You can restore the original presets.

To temporarily store new stations in the presets (auto scan):

- To use the headset buttons: press  for 5 seconds.
- To use SmartSet: on the **FM** screen, tap **AUTO SCAN**.
- To use the headset voice-assisted menu:
 - a. Tap  and .
 - b. When the voice-assisted menu reaches "Auto scan 6 stations", tap  or use VOX.

To restore the original presets (following auto scan):

- To use the headset buttons: switch your headset off then turn it back on.
- To use SmartSet: on the **FM** screen, tap .

5.3.3 Sharing Music and Radio

To start/stop sharing, do one of the following:

- To use the headset buttons:
 - a. Confirm your FREECOM 2 is in Standby mode (LED flashes slowly).
 - b. Start playing music or the FM radio.
 - c. Press  for 2 seconds (by default).
 - d. To stop sharing, press  for 2 seconds.

The Bluetooth intercom call remains open, and if you were sharing FM radio, the radio remains on.

- To use SmartSet:
 - a. Confirm your FREECOM 2 is in Standby mode (LED flashes slowly).
 - b. Start playing music or the FM radio.
 - c. Either:
 - ◆ on the **MUSIC** screen, tap .
 - or
 - ◆ on the **FM** screen, tap .
 - d. To stop sharing, either:
 - ◆ on the **MUSIC** screen, tap .
 - or
 - ◆ on the **FM** screen, tap .

The Bluetooth intercom call remains open, and if you were sharing FM radio, the radio remains on.

- To use the headset voice-assisted menu (applicable only for Channel A):
 - a. Confirm your FREECOM 2 is in Standby mode (LED flashes slowly).
 - b. Start playing music or the FM radio.

- c. Tap  and .
- d. When the voice-assisted menu reaches:
- ◆ "Start Music Sharing", tap  or use VOX.
 - or
 - ◆ "Start Radio Sharing", tap  or use VOX.
- e. To stop sharing:
- i. Tap the  to stop the Bluetooth intercom call.
 - ii. Press  for 2 seconds.

If you were sharing FM radio, the radio remains on.

- You can hear Bluetooth intercom calls in the background during music sharing.
- Music sharing does not transmit voice audio and cannot be used as a Bluetooth intercom call.
- If you paired your headset to two mobile phones, music will be shared from the mobile phone through which you last played music.
- When sharing FM radio, either rider can change station.

6. Troubleshooting

6.1 Soft Reset

If your FREECOM 2 stops responding, reset it by either:

- Turning it off and then on again (see "Switching Your Headset On/Off" on page 7)
- Using the USB cable, connecting your computer or wall charger supplied with your FREECOM 2 to the FREECOM 2 USB port.

6.2 Reset Pairing

To reset pairing:

- Press  and  for 5 seconds.

6.3 Reset to Factory Settings

This option deletes all paired devices and all configuration settings.

To perform a factory reset through the headset, do one of the following:

- To use the headset buttons:
 - a. Check that your FREECOM 2 is in Standby (see "FREECOM 2 Modes and Events " on page 36).
 - b. Simultaneously press  +  +  for 5 seconds
- To use SmartSet:
 - a. Check that your FREECOM 2 is in Standby (see "FREECOM 2 Modes and Events " on page 36).
 - b. Open SmartSet and tap .
 - c. Tap **Settings**.
 - d. Tap **Reset to Factory**.
- To use the headset voice-assisted menu:
 - a. Tap  and .
 - b. When the voice-assisted menu reaches "Advanced features menu", tap  or use VOX.
 - c. When the voice-assisted menu reaches "Reset to factory settings", tap  or use VOX.

6.4 FAQ

Additional answers to common problems can be found at www.cardosystems.com/faqs.

7. Support

For additional information:

 www.cardosystems.com

 support@cardosystems.com

 USA and Canada: 1-800-488-0363 / International: +49 89 450 36819

Multinational E-commerce companies and online auction websites are not authorized to sell Cardo products and purchases from such sites are at your own risk. To receive warranty or customer service, you must submit original receipts from authorized Cardo dealers.

Products that were imported from North America must be serviced in the USA.

8. Glossary

Term/Abbreviation	Description
A2DP	Advanced Audio Distribution Profile (for music). A protocol for playing music over Bluetooth.
AGC sensitivity	AGC (Automatic Gain Control) automatically adjusts speaker volume according to ambient noise and riding speed.
Audio priority (A2DP/Bluetooth intercom)	Priority of audio source playing through speakers and preventing current intercom call from interruption.
Click-to-Link settings	Spontaneous way to instantly initiate one-on-one intercom calls with other riders near you, without being paired.
IC	Intercom
Language	Voice announcements language.
RDS	Radio Data System allows the radio to automatically retune to the strongest frequency available for the FM station you are listening to when the signal becomes too weak
VOX	Enables voice activation of certain features for hands-free operation.
VOX sensitivity	Adjusts your microphone sensitivity for voice activation while you are riding.

Appendix A. FREECOM 2 Modes and Events

Your FREECOM 2 operates in various modes. A mode is a group of features currently available to you. Your operating a feature and FREECOM 2's response are called events. For example, playing music is a FREECOM 2 mode. You turning on the music is an event.

FREECOM 2's current mode is indicated by the headset LEDs. You also hear voice announcements on your headset for mode changes and events.

The following table shows LED indications for modes and events according to the current battery state.

LED	Flashing	Battery State	Mode or Event
Off	Off	Normal or Low Battery	Off
Blue	For 2 seconds	Normal	
Blue	Fast (3 times)	Normal Low Battery Charging	Power on
Blue	Fast (repeating every 3 seconds)	Normal	Standby
Blue	Slow twice (repeating slow, every 3 seconds)	Normal	- Incoming/outgoing call (intercom or mobile) - Audio active (intercom, FM,A2DP, GPS, Feature/Settings menu)
Red	Remains on	Charging	- Pairing intercom rider - Rider connected - Power off - Off
Red	For 2 seconds	Normal or Low Battery	- Rider connected - Set VOX to disabled
Red	Fast (3 times)	Normal or Low Battery	Power off
Red	Fast (repeating slow, every 3 seconds)	Low Battery	Standby
Red	Slow twice (repeating slow, every 3 seconds)	Low Battery	- Incoming/outgoing call (intercom or mobile) - Audio active (intercom, FM,A2DP, GPS, Feature/Settings menu)
Purple	Slow (5 times)	Normal or Low Battery	Reset pairing
Purple	For 2 seconds	Normal or Low Battery Charging	- Mobile pairing successful - Mobile connected
Purple/Red	Fast purple and then red for 3 seconds (repeating)	Charging	Standby
Purple/Red	Slow purple, fast red, slow purple, and then red for 3 seconds (repeating)	Charging	- Incoming/outgoing call (intercom or mobile) - Audio active (intercom, FM,A2DP, GPS, Feature/Settings menu)

LED	Flashing	Battery State	Mode or Event
Purple/Red	Alternating slow (5 times)	Charging	Reset pairing
Purple/Red	Alternating fast (repeating)	Normal, Low Battery, or Charging	Pairing GPS
Blue/Red	Alternating fast (repeating)	Normal, Low Battery, or Charging	Pairing Mobile 1
Green/Red	Alternating fast (repeating)	Normal, Low Battery, or Charging	Pairing Mobile 2

Federal Communications Commission (FCC) Statement

15.21

You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

15.105 (b)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Operation is subject to the following two conditions:

1. this device may not cause interference and
2. this device must accept any interference, including interference that may cause undesired operation of the device.

FCC RF Radiation Exposure Statement:

This equipment complies with FCC/IC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. The antenna used for this transmitter must not transmit simultaneously with any other antenna or transmitter, except in accordance with FCC/IC multi-transmitter product procedures.

Instructions concerning human exposure to radio frequency electromagnetic fields - to comply with FCC Section 1.310 for human exposure to radio frequency electromagnetic fields, a distance of at least 3 cm. between the equipment and all persons should be maintained during the operation of the equipment.

Industry Canada (IC) FVIN: V1.0.0

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

1. this device may not cause interference and
2. this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

IC RF Radiation Exposure Statement:

This equipment complies with the RSS-102 exemption from routine RF exposure evaluation for use in an uncontrolled environment.

European CE Notice

Your Cardo product (the "Product") is in conformity with the following essential requirements of Council Directive 1999/5/EC (referred to as R&TTE Directive): Articles 3.1a, 3.1.b and 3.2. The Product is manufactured in accordance with Annex II of the above directive.

Operating temperature: The Product is designed to work in temperatures between -20° and 55° C (-4° and 131° F).

Charging temperature: Battery charging temperature limits: 0° - 40°C (32° - 104°F).

AC/DC Adapters: When charging from a wall outlet, make sure that the plug-in AC/DC adapter meets the following criteria:

Input: 100-240 V, 50/60 Hz, 0.2 A maximum Output: 5 V DC, 1 A maximum.

Declaration of Conformity (DOC)

The Product is compliant with and adopts the Bluetooth® Specification 4.0 and has successfully passed all interoperability tests that are specified in the Bluetooth® specification. However, interoperability between the device and other Bluetooth®-enabled products is not guaranteed.

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WARNING:

You are hereby notified that your complete and undivided attention is required when using a communication device (the "Product") while riding. Failure to avoid potentially hazardous situations could result in accident resulting in serious injury or death.

Cardo advises you to take all necessary precautions and remain alert to the traffic, weather and all road conditions. Do not perform pairing, linking or any complex operations while riding. All publications are intended to address technical capabilities and should not be construed as encouraging the operation of Cardo's Products in any manner that is unsafe or prohibited by law.

Exercise all due caution while using this Product and obey all applicable traffic laws. Always ride and use the Product in a safe manner and do not become distracted by the Product while riding. Do not operate the Product if it becomes unsafe to do so.

In some regions or states, the use of mobile communications systems is prohibited or restricted. Check all local, state and federal laws and regulations (the "Laws") that apply to your region before using the Product and be mindful that compliance with all Laws is the user's responsibility. Use the Product in motion only where and in the manner that such devices are permitted by applicable Law.

No part of the body should come in contact with the antenna during operation of the equipment. Use Product only where safe, and avoid usage at gas stations, fuel depots or around explosives. Use with hearing aids and medical devices only after consulting a physician or specialist. Make sure to install and mount the Product in a stable manner.

Health Warnings:

Hearing Loss: Audio devices can cause hearing loss. Employ care and avoid exposure to excessive volume levels that may damage or impair hearing or lead to hearing loss. Permanent hearing loss may occur if Products are used at high volume for prolonged periods.

RF Signals: Most electronic equipment is shielded from RF signals. However, certain electronic equipment may not be shielded against the RF signals emanating from your wireless equipment.

Pacemakers: The Health Industry Manufacturers Association recommends that a minimum separation of about six inches (or 16 cm) to be maintained between a mobile phone or wireless device and a pacemaker to avoid potential interference with the pacemaker. Be sure not to interfere with the functionality of personal medical devices.

Hearing Aids: Some devices may interfere with certain hearing aids. In the event of such interference, you should consult your hearing aid manufacturer to discuss alternatives.

Other Medical Devices: If you use any other personal medical device, consult the manufacturer of your device and/ or your physician to determine if it is adequately shielded from interference caused by external RF energy. Your physician may be able to assist you in obtaining this information.

LIMITED WARRANTY

Subject to the applicable laws and regulations in your jurisdiction, your Product is covered by a Two-Year Limited product warranty from the date of original purchase. Please retain and submit the retail sales receipt and your registration data for proof of purchase.

In no event shall Cardo be liable for any incidental, special, indirect, punitive, exemplary or consequential damages, whether resulting from the use, misuse, or inability to use this product or from defects in the product, or for any damages whatsoever resulting from the use of the product, whether based on breach of contract, tort (including negligence), product liability or otherwise even if advised of the possibility of such damages. You acknowledge and agree that the limitations set forth above are fundamental elements of this agreement to which you consent and without which the product would not be provided to you absent such limitations. Cardo retains the exclusive right to repair or replace (with a new or newly-refurbished replacement Product) the device or software or give a refund of the purchase price at its sole discretion. SUCH REMEDY SHALL BE YOUR SOLE AND EXCLUSIVE REMEDY FOR ANY BREACH OF WARRANTY.

Subject to the aforementioned, Cardo hereby represents that this Product is warranted to be free from defects in materials or workmanship. Within the subject period, Cardo will, at its sole option, repair or replace any components that fail in normal use. Such repairs or replacements will be made at no charge to the customer for parts or labor, provided that the customer shall be responsible for any shipping cost and applicable fees to any official authorities. This warranty does not cover failures due to abuse, misuse, accident, loss or unauthorized alteration or repairs.

This Product is intended to be used only as a communication and entertainment device and should not be employed in any location or jurisdiction where its use is prohibited.

The warranties and remedies contained herein are exclusive and in lieu of all other warranties express, implied or statutory, including any liability arising under any warranty of merchantability or fitness for a particular purpose, statutory or otherwise that Cardo specifically disclaims. This warranty gives you specific legal rights which may vary from jurisdiction to jurisdiction. Cardo makes no other warranties express or implied beyond those stated specifically herein. This warranty is extended by Cardo solely to the original purchaser and is not assignable or transferable to others. Cardo assumes no obligation or liability for additions or modifications to this warranty unless made in writing and signed by an officer of the company.

Batteries are warranted only if the battery capacity falls below 50% of rated capacity or if the battery develops leakage. Do not store your Product without charging it from time to time for periods in excess of six months, as this may cause irreversible damage to the capacity of your battery. Your warranty will not cover such events.

This warranty also becomes void if: a) Any of the seals on the case or battery are broken or Product or battery show signs of tampering, b) the battery is used in equipment other than the equipment for which it was intended. c) the Product is used in contravention of its intended purpose. d) the Product was purchased from online auctions

Cardo assumes no responsibility resulting from the use of non-Cardo components, accessories or devices in conjunction with its Products.

Caution: Do not tamper with batteries as there are risk of explosion if battery is replaced by an incorrect type.

Not covered by the warranty:

1. Defects or damage resulting from the use of this Product in other than its normal and customary manner.
2. Defects or damage from misuse, accident or neglect.

3. Defects caused by improper operation, maintenance, installation, adjustment or modification of any kind (incl. long-term storage without periodic charging of the battery)
4. Products opened, disassembled or repaired by non-authorized parties.
5. Defects or damage due to exposure to excessive temperatures, adverse weather conditions, external impacts or spills of food or liquid.
6. All plastic surfaces and all other externally exposed parts that are scratched or damaged after purchase.

Disclaimer of Warranty

The device and its accessories are provided “as is” and “as available” without warranty of any kind beyond those assumed in the enclosed manual.

Warranty Service

To obtain warranty service, please present the Product, along with your registration number, bill of sale (receipt) at any authorized Service Center or at the store from which you have purchased the Product. To obtain warranty service, contact Cardo’s product support and obtain an RMA tracking number, or contact your local Cardo authorized dealer. Ship securely with a copy of the original sales receipt which is required as proof of purchase for warranty repairs. The RMA tracking number should be written on the outside of the package. Send the Product freight charges prepaid, to the Cardo address as directed by Cardo.

Online Auction Purchases: Online auction confirmations are not accepted for warranty verification. To obtain warranty service, an original or copy of the sales receipt from the original retailer is required. Cardo will not replace missing components from online auction sites.

WAIVER AND GENERAL RELEASE

By using the Product, you will waive substantial legal rights including the right to sue. Please read the following carefully before using the Product.

By using the Product, you are irrevocably releasing, indemnifying from any liability, loss, claim and expense (including attorneys fees) and holding Cardo harmless for any bodily injuries, harm or death as well as losses or damages in goods, to any vehicles including your own, or to any property or asset that belong to you or to third parties, any of which may result from using the Product under any circumstances or conditions and irrespective of jurisdiction.

1. You, your heirs, legal representatives, successors or assigns, hereby voluntarily and forever release, discharge, indemnify and hold harmless Cardo from any and all litigation, claims, debts, demands, actions and liability which may arise, directly or indirectly, from using the Product for any distress, pain, suffering, discomfort, loss, injury, death, damages to or in respect to any person or property however caused, WHETHER ARISING FROM THE NEGLIGENCE OR OTHERWISE, and which may hereafter accrue to you on some future date as a result of said use, to the fullest extent permitted by law.
2. You fully understand and assume the risks in using the Product, including risk of negligent acts or omissions by others. All risks for operating the Product are assumed solely by the user of the Product.
3. You confirm that you are physically capable to use the Product and that you have no medical conditions or needs that may infringe upon your abilities to do so in a safe manner. You further confirm that you will not consume any alcohol that may affect your alertness or any mind-altering substance, and will not carry, use or consume these substances before or during the use of the Product.
4. You fully acknowledge our warnings and understand that:
 - a. risks exist in using the Product while in traffic, including but not limited to injury or illness, strains, fractures, partial and/or total paralysis, death or other ailments that could cause serious disability;
 - b. these risks may be caused by the negligence of the manufacturers or its agents or any third party involved in the Product;

- c. these risks and dangers may arise from foreseeable or unforeseeable causes.

You hereby assume all risks and dangers and all responsibility for any losses and/or damages, whether caused in whole or in part by the negligence or other conduct of others, including Cardo.

- 4. By using the Product, you confirm that you have read this release of liability and fully understand and accept its terms and conditions.

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FREECOM 4

Manual

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This is version X.X of the FREECOM 4 Manual. Please visit cardosystems.com/product-manuals/ for the latest version of this manual in your preferred language, as well as other manuals and tutorials.

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1. Introduction

Thank you for choosing the Cardo FREECOM 4 Bluetooth® communication and entertainment system for motorcycle helmets.

This Manual describes the features of your FREECOM 4 and how to use them.

We wish you a great FREECOM 4 experience with your FREECOM 4 and encourage you to write to us at **support@cardosystems.com** regarding any questions, suggestions or comments you may have.

If you have not yet installed the FREECOM 4 headset in your helmet, please install it as described in the FREECOM 4 Installation Guide provided in the package.

1.1 Abbreviations

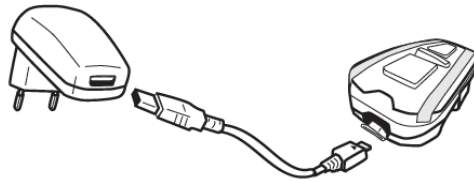
The following abbreviations are used in this manual:

Abbreviation	Description
A2DP	Advanced Audio Distribution Profile (Bluetooth profile)
AGC	Automatic Gain Control
IC	Intercom

2. Charging the FREECOM 4

Make sure that your FREECOM 4 battery is fully charged for at least 4 hours before initial use.

To charge the FREECOM 4:



1. Connect the USB cable Type A plug to either the wall charger supplied with your FREECOM 4, or to a computer USB port.
2. Connect the USB cable Type B plug to the FREECOM 4 USB port.

- Charging with the wall charger is faster than via a computer USB port.
- Charging your headset switches it off automatically. To use your headset while it is being charged, switch it on. (see [Section 3.2 - Switching Your Headset On/Off](#)).

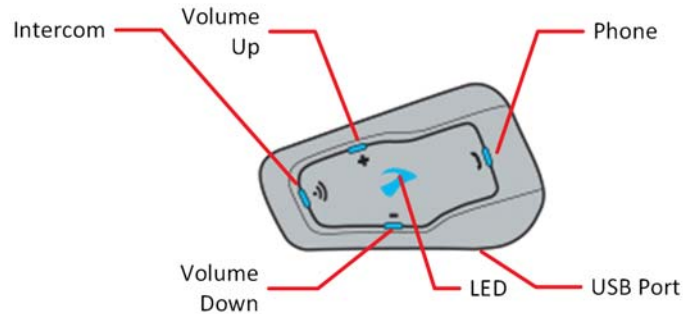
During charging, the LED indicates charging status as follows:

- red LED on - charging
- red LED off - charging complete

3. Getting Started

3.1 Getting to Know Your Headset

The FREECOM 4 headset has the following items for operating the unit:



3.2 Switching Your Headset On/Off

To switch your FREECOM 4 on:

- Tap ~Intercom and ~Volume Down. The speaker plays an ascending tone and a voice message "Hello FREECOM 4".

The LED confirms your FREECOM 4 is on:

- Normal and low battery states - LED flashes blue three times.
- Charging - LED flashes purple three times.

To switch your FREECOM 4 off:

- Tap ~Intercom and ~Volume Down. The speaker plays a descending tone and a voice message "Goodbye".

Connecting your headset to a charge switches off the headset.

3.3 Different Ways to Operate Your FREECOM 4

You can operate the various features by any of the following methods:

- Pressing a button or combination of buttons on the headset.
- Using the SmartSet app on your mobile device (once it is paired with the headset).
- Using the Voice-Assisted Menu in combination with either headset buttons or with the VOX (by saying a word loudly).

This manual describes the most suitable method or methods to operate each feature.

LEDs indicates modes and events for the battery states. For more information, see [Modes and Events FREECOM 4](#)

3.4 Basic Functions

To turn the volume up for current audio source:

- Tap ~Volume Up.

With each tap, a louder tone is played on the speaker.

To turn the volume down for current audio source:

- Tap ~Volume Down.

With each tap, a quieter tone is played on the speaker.

To mute the microphone completely and lower the speaker volume for the current state:

- Tap ~Volume Up and ~Volume Down.

The red LED comes on for 2 seconds and a descending tone is played on the speaker.

3.5 Pairing Your Headset to Bluetooth Devices

Your FREECOM 4 has two Bluetooth channels for connection to mobile phones, GPS devices and music players with A2DP.

To connect your FREECOM 4 to a Bluetooth device, you must first pair them. Once paired, they automatically recognize each other whenever they are within range (10m / 33ft).

3.5.1 Pairing through the Headset Buttons

To pair Bluetooth channel 1 to a device:

1. Enable Bluetooth on the device.
2. Confirm your FREECOM 4 is in Standby:
 - Normal battery state - LED flashes blue slowly.
 - Low battery state - LED flashes red slowly.
 - Charging - LED flashes purple slowly.
3. Press ~Phone for 5 seconds.
4. Search for Bluetooth devices on your device as described in your device's instructions.
5. After a few seconds the device lists your FREECOM 4. Select it.
6. If prompted for a PIN or Passkey, enter 0000 (four zeros).
7. The device confirms that pairing has succeeded and the LED flashes purple for 2 seconds.

To pair Bluetooth channel 2 to another device:

1. Enable Bluetooth on the device.
2. Confirm your FREECOM 4 is in Standby:
 - Normal battery state - LED flashes blue slowly.
 - Low battery state - LED flashes red slowly.
 - Charging - LED flashes purple slowly.
3. Press ~Phone for 5 seconds.
4. Tap ~Phone twice until the LED start flashing red and green.
5. Search for Bluetooth devices on your device as described in your device's instructions.
6. After a few seconds the device lists your FREECOM 4. Select it.
7. If prompted for a PIN or Passkey, enter 0000 (four zeros).
8. The device confirms that pairing has succeeded and the LED flashes purple for 2 seconds.

To pair a Bluetooth channel to a GPS device:

1. Enable Bluetooth on the device.
2. Confirm your FREECOM 4 is in Standby:
 - Normal battery state - LED flashes blue slowly.
 - Low battery state - LED flashes red slowly.
 - Charging - LED flashes purple slowly.
3. Press ~Phone for 5 seconds.

If you want to pair the GPS device to Bluetooth channel 2, tap ~Phone twice.

4. Tap ~Volume Up.
5. The device confirms that pairing has succeeded and the LED flashes purple for 2 seconds.

To cancel the pairing process:

1. Press ~Phone until the LED stops flashing red and blue or green and blue.

To reset all Bluetooth device pairing:

1. Press ~Intercom and ~Phone for 5 seconds and your FREECOM 4 LED confirms pairing reset:
 - Normal and low battery states - LED flashes purple slowly 5 times.
 - Charging - LED flashes purple and red slowly 5 times.

- If pairing is not completed within 2 minutes, the headset automatically returns to Standby.
- If you have paired two different mobile phones directly to your FREECOM 4, set one as default for making calls (see "Setting the Default Mobile Phone" on page 20).
- If your GPS supports it, you can pair the second mobile phone directly to the GPS and then pair the GPS to your FREECOM 4, and so connect both mobile phones and the GPS to your FREECOM 4.
- Not all Bluetooth mobile phones broadcast Bluetooth Stereo music (A2DP), even if the phone has an MP3 player function. Consult your mobile phone's user manual for more information.
- Not all Bluetooth GPS devices allow connection to Bluetooth audio devices. Consult your GPS User Manual for more information.

3.5.2 Pairing through the Headset Voice-Assisted Menu

To pair your FREECOM 4 with Cardo headsets through the headset voice-assisted menu:

1. Confirm your FREECOM 4 is in Standby:
 - Normal battery state - LED flashes blue slowly.
 - Low battery state - LED flashes red slowly.
 - Charging - LED flashes purple slowly.
2. Tap ~Phone and ~Volume Up.
3. When the voice-assisted menu reaches "Advanced Features", tap ~Intercom or use VOX.
4. When the voice-assisted menu reaches the required option, tap ~Intercom or use VOX.

- To reset all Bluetooth intercom pairing, select the menu option "Reset Mobiles and GPS Pairing".

3.6 Pairing the Bluetooth Intercom

The FREECOM 4 allows full-duplex Bluetooth intercom communication for chatting with up to three riders on Cardo or non-Cardo devices.

To connect your FREECOM 4 to another device with a Bluetooth intercom, you must first pair their channels. Once paired, the headsets automatically recognize each other whenever they are in range (line of sight up to 1 km / 3,200 ft subject to terrain).

- Pairing a channel replaces any existing paired device on that channel with the new device.
- If you have purchased the FREECOM 4 MultiSet, the retail package contains two prepared units configured to communicate on Channel A.
- Your FREECOM 4 is compatible with most Cardo models for Bluetooth intercom calls. In addition, it is also compatible with the Schuberth SRC-System™. Intercom range with other models is limited to the distance of the device with the shorter range.

For details on how to pair and use your FREECOM 4 with other FREECOM 4 models, go to www.cardosystems.com/compatibility.

3.6.1 Pairing the Bluetooth Intercom to other Cardo Headsets

To pair your FREECOM 4 with Cardo headsets through the headset buttons:

1. Confirm your FREECOM 4 is in Standby:
 - Normal battery state - LED flashes blue slowly.
 - Low battery state - LED flashes red slowly.
 - Charging - LED flashes purple slowly.
2. On your headset, press ~Intercom for 5 seconds.
3. Select the Bluetooth intercom channel you would like to pair:
 - Channel A - do not tap anything (default channel).
 - Channel B - tap ~Intercom twice.
 - Channel C - tap ~Intercom three times.
4. On the other Cardo headset, activate Bluetooth pairing mode (see the other Cardo headset user manual).
5. The device confirms that pairing has succeeded and the LED flashes purple for 2 seconds.

- To cancel the pairing process, press ~Phone until the LED stops flashing.
- If pairing is not completed within 2 minutes, the headset automatically returns to Standby.
- To reset all Bluetooth intercom pairing, while in Bluetooth intercom pairing mode, press ~Intercom and ~Phone for 2 seconds.

To pair your FREECOM 4 with Cardo headsets through SmartSet:

1. Confirm your FREECOM 4 is in Standby:
 - Normal battery state - LED flashes blue slowly.
 - Low battery state - LED flashes red slowly.
 - Charging - LED flashes purple slowly.
2. Open SmartSet and tap the menu icon.

3. Tap **Bluetooth**
4. Tap **Add** for the required channel. and follow the on screen menus.

- To reset all Bluetooth intercom pairing, tap **Delete all**.

To pair your FREECOM 4 with Cardo headsets through the headset voice-assisted menu:

1. Confirm your FREECOM 4 is in Standby:
 - Normal battery state - LED flashes blue slowly.
 - Low battery state - LED flashes red slowly.
 - Charging - LED flashes purple slowly.
2. Tap ~Phone and ~Volume Up.
3. When the voice-assisted menu reaches "Advanced Features", tap ~Intercom or use VOX.
4. When the voice-assisted menu reaches your required option ("Pair Intercom A", "Pair Intercom B", or "Pair Intercom C"), tap ~Intercom or use VOX.

- To reset all Bluetooth intercom pairing, select the menu option "Reset Channel A & B & C Pairing".

3.6.2 Pairing the Bluetooth Intercom to non-Cardo Headsets

The Cardo gateway enables Cardo headsets to connect to non-Cardo over bluetooth.

To pair your FREECOM 4 with non- Cardo headsets through the headset buttons:

1. Confirm your FREECOM 4 is in Standby:
 - Normal battery state - LED flashes blue slowly.
 - Low battery state - LED flashes red slowly.
 - Charging - LED flashes purple slowly.
2. On your headset, press ~Intercom for 5 seconds.
3. Select the Bluetooth intercom channel you would like to pair:
 - Channel A - do not tap anything (default channel).
 - Channel B - tap ~Intercom twice.
 - Channel C - tap ~Intercom three times.
4. Tap ~Phone to activate the Cardo gateway.
5. On the non-Cardo headset, activate Bluetooth pairing mode (see the non- Cardo headset user manual).
6. The device confirms that pairing has succeeded and the LED flashes purple for 2 seconds.

- To cancel the pairing process, press ~Phone until the LED stops flashing.
- If pairing is not completed within 2 minutes, the headset automatically returns to Standby.
- To reset all Bluetooth intercom pairing, while in Bluetooth intercom pairing mode, press ~Intercom and ~Phone for 2 seconds.

To pair your FREECOM 4 with non-Cardo headsets through SmartSet:

1. Confirm your FREECOM 4 is in Standby:

- Normal battery state - LED flashes blue slowly.
 - Low battery state - LED flashes red slowly.
 - Charging - LED flashes purple slowly.
2. Open SmartSet and tap the menu icon.
 3. Tap **Bluetooth**.
 4. Tap **Add** for the required channel. and follow the on screen menus.

- To reset all Bluetooth intercom pairing, tap **Delete all**.

To pair your FREECOM 4 with non- Cardo headsets through the headset voice-assisted menu:

- When using voice-assisted menus, you can only pair through Channel B.

1. Confirm your FREECOM 4 is in Standby:
 - Normal battery state - LED flashes blue slowly.
 - Low battery state - LED flashes red slowly.
 - Charging - LED flashes purple slowly.
2. Tap ~Phone and ~Volume Up.
3. When the voice-assisted menu reaches "Advanced Features", tap ~Intercom or use VOX.
4. When the voice-assisted menu reaches your required option ("Pair Mobile phone to Channel 1", "Pair Mobile phone to Channel 2", or "Pair GPS to Channel 1), tap ~Intercom or use VOX.

- To reset all Bluetooth intercom pairing, select the menu option "Reset Channel A & B & C Pairing".

4. Before You Ride

Get the most out of your FRECOM 4 by changing the settings and customizing your headset according to your own personal preferences.

You can customize your FRECOM 4 using either of the following methods:

- Cardo SmartSet App on iOS / Android (see "Configuring Your FRECOM 4 through Cardo SmartSet" on the next page).
- Cardo Community on Windows / Mac - minimum requirements - Windows® XP™ / Mac OS X 10.7 (see "Configuring Your FRECOM 4 through the Cardo Community" on page 18).
- Headset buttons
- Voice-assisted menu on your device

Cardo recommends customizations and settings before setting out on the road.

Object	Description	SmartSet App (iOS/Android)	Cardo Community	Voice-Assisted Menu
AGC sensitivity for the speakers (Off/Low/Medium/High)	Automatic Gain Control allowing the automatic adjustment of volume according to ambient noise and riding speed.	✓	✓	✓
Audio priority (A2DP/Bluetooth intercom)	Priority of audio source playing through speakers and preventing current intercom call from interruption.	✓	✓	✓
Click-to-Link settings (Enable/Disable)	Spontaneous way to instantly initiate one-on-one intercom calls with other riders near you, without being paired.	✓	✓	✓
Download the latest firmware upgrade	For new features, your Cardo headset software may periodically require upgrades. Firmware upgrades implement software upgrades. For more information, see "Upgrading Firmware for New Features" on page 20.	✗	✓	✗
Intercom-to-Phone (Enable/Disable)	Automatically divert intercom calls to mobile calls.	✓	✓	✗
Language	Voice-assisted menu language.			
Parallel Audio Streaming settings (Enable/Disable)	Simultaneously stream multiple audio sources.	✓	✓	✓

Object	Description	SmartSet App (iOS/Android)	Cardo Community	Voice-Assisted Menu
RDS (Enable/Disable)	Radio Data System allows the radio to automatically retune to the strongest frequency available for the FM station you are listening to when the signal becomes too weak	✓	✓	✓
Set speed dial numbers	Pre-set phone numbers for automatic dialing.	✓	✓	✗
Set the 6 FM radio presets	Pre-set FM radio stations for automatic tuning.	✓	✓	✗
Spoken Status Announcements (Enable/Disable)	Voice announcements so you always know to whom or to what device you are connected.	✓	✓	✓
Voice Recognition language	Language for hands-free operations.	✓	✓	✓
VOX operation	Hands-free operation.	✓	✓	✓
VOX sensitivity for the microphone	Microphone sensitivity for recognition of voice commands.	✓	✓	✓

4.1 Configuring Your FREECOM 4 through Cardo SmartSet

You can configure your FREECOM 4 through your mobile phone by installing the Cardo SmartSet available at Google Play Store and Apple App Store.

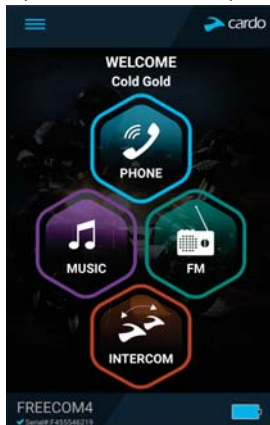
The minimum operating system requirements for SmartSet are:

- Android: 3.0 and higher
- IOS: 8.0 and higher

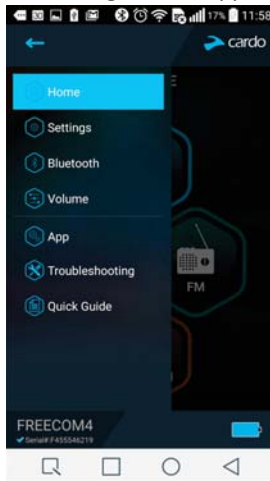
4.1.1 Configuring Your FREECOM 4 Basic Settings

To configure your FREECOM 4 through the SmartSet app:

1. Make sure that your headset is paired to the mobile device on which SmartSet is installed.
2. Open SmartSet and tap the menu icon:



- The settings screen appears.



- Use the appropriate menu to configure your FRECOM 4 settings:

- Settings - FRECOM 4 features
- Bluetooth - connected devices and riders
- Volume - sets the level for each audio source (mobile phone, intercom, music, and FM). This is known as parallel audio streaming.
- App - SmartSet preferences and general information

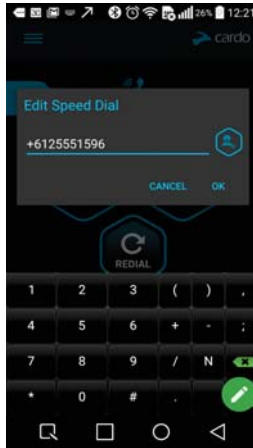
4.1.2 Configuring Speed Dial Numbers

To configure the speed dial numbers:

- In the Home screen, tap **PHONE**.



2. Press DEFAULT SPEED DIAL or one of the three speed dials icons until the following screen appears:



3. Enter the desired phone number and tap OK.

The default speed dial numbers are available only through SmartSet.

4.1.3 Configuring the FM Band

4.1.3.0.1 Configuring the FM Band through Cardo SmartSet

Your FREECOM 4 includes a built-in FM radio with a six presets and Radio Data System (RDS). RDS allows the FM radio to automatically retune to the strongest frequency available for the FM station you are listening to when the signal becomes too weak.

To configure the FM radio presets manually, see "Configuring Your FM Radio Manually" on the next page. To configure the FM radio presets using auto tuning, see "Configuring Your FM Radio Using Auto Tuning" on the next page. To configure RDS see, "Configuring RDS through Cardo SmartSet" on the next page.

The FM Band is set to worldwide FM frequencies by default. In Japan, you must change the FM Band.

To set the FM Band:

4.1.4 Configuring Your FM Radio Manually

To configure the six FM radio preset radio stations manually:

1. In the Home screen, tap **FM**.



2. Press the required preset until the following screen appears:



3. Enter the desired FM station's frequency and tap OK.
4. To delete a preset station, tap **DELETE** in Step 2

- Preset radio station 1 cannot be deleted.
- During a station scan, deleted preset radio stations are skipped. The station scan automatically advanced to the next defined preset station. For more information, see "Listening to FM Radio" on page 25.

4.1.5 Configuring Your FM Radio Using Auto Tuning

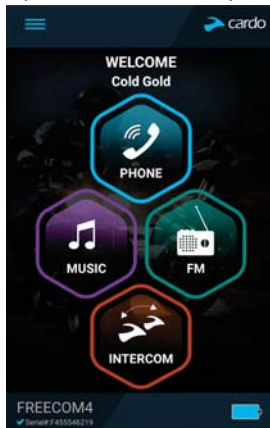
To configure the six FM radio preset radio stations using Auto Tuning:

4.1.6 Configuring RDS through Cardo SmartSet

To enable/disable RDS:

1. Make sure that your headset is paired to the mobile device on which SmartSet is installed.

- Open SmartSet and tap the menu icon:



- In the Home screen, tap **FM**.



- Tap **RDS**. RDS enables/disables.

4.2 Configuring Your FREECOM 4 through the Cardo Community

You can configure your FREECOM 4 through your computer by connecting it to the headset with the provided USB cable and running the Cardo Updater while your computer is connected to the Cardo Community website.

The minimum operating system requirements for the Cardo Updater are:

- Windows® XP™
- Mac OS X 10.7.

4.2.1 Installing the Cardo Updater on Your Computer

To install the Cardo Updater on your computer:

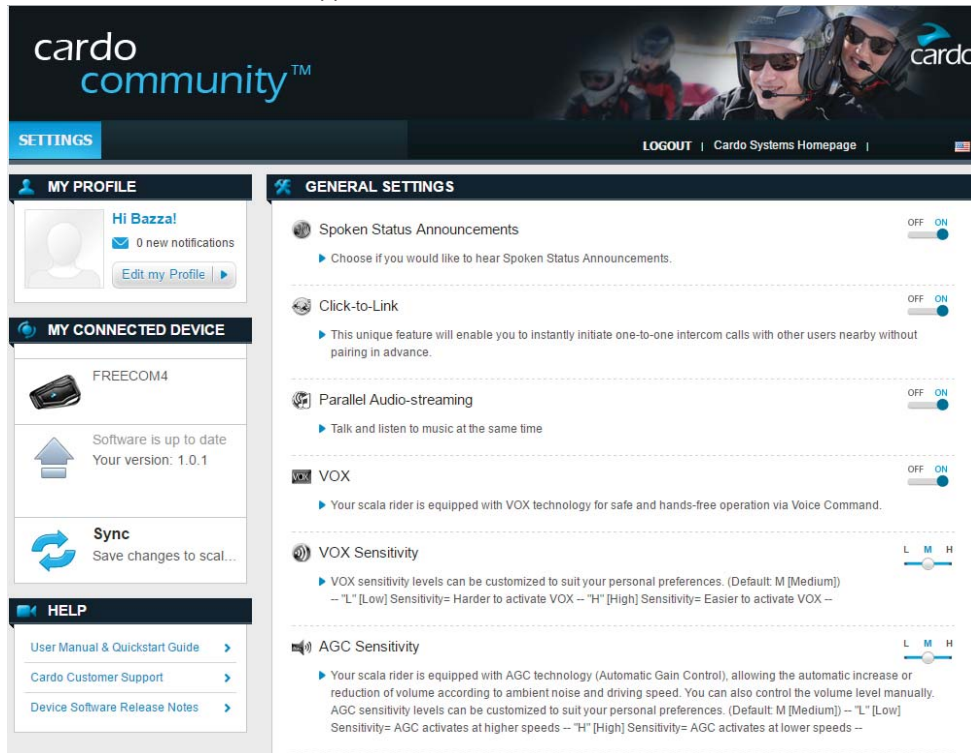
- Go to <http://cardosystems.com/cardo-community/>, register and login.
- Download the Cardo Updater from the provided links and install it on your computer.

4.2.2 Configuring Your FREECOM 4 Basic Settings

To configure your FREECOM 4 through the Cardo Community:

- Run the Cardo Updater.

- Using the USB cable provided with your FREECOM 4, connect your headset to the computer USB port. The **GENERAL SETTINGS** window appears:

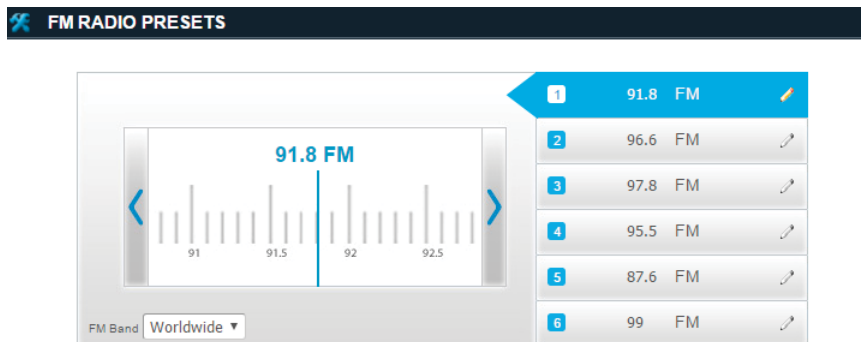


- Set the options you require for each feature, using the provided explanations as a guide.

4.2.3 Configuring Your FM Radio through Cardo Cardo Community

To configure the six FM radio preset radio stations using Cardo Community:

- Scroll down to **FM RADIO PRESETS**.



- On **FM Band**:
 - If in Japan, select **Japan**.
 - Otherwise, select **Worldwide**.
- On the preset station you want to edit, click .
- Enter the desired FM station's frequency and press **Enter**.

You can also use the left and right blue arrows on the frequency scale to update the preset frequency.

4.2.4 Upgrading Firmware for New Features

For new features, Cardo may periodically update the FREECOM 4 firmware.

To update the firmware:

4.3 Configuring Your FREECOM 4 through the Headset Voice-Assisted Menus

You can configure your FREECOM 4 using the headset's voice-assisted menu in combination with either headset buttons or use VOX.

To configure your FREECOM 4 through the voice-assisted menus:

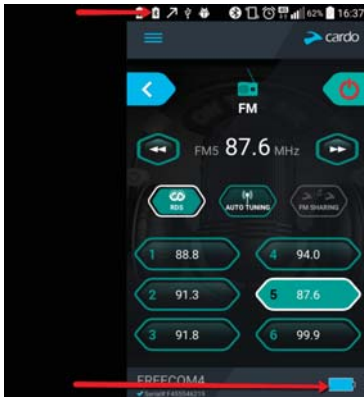
1. Confirm your FREECOM 4 is in Standby:
 - Normal battery state - LED flashes blue slowly.
 - Low battery state - LED flashes red slowly.
 - Charging - LED flashes purple slowly.
2. Tap ~Phone and ~Intercom for 2 seconds.
3. When the voice-assisted menu reaches "Settings", tap ~Intercom or use VOX.
4. When the voice-assisted menu reaches your required option ("A2DP/Intercom audio priority", "VOX", "VOX sensitivity", "Click to Link", "AGC", "RDS", "VOX", "Parallel Audio Streaming", "Spoken Status Announcements", or "Language"), tap ~Intercom or use VOX.

4.4 Checking Battery Status through Cardo SmartSet

Battery Status on Your Mobile Phone

If you installed SmartSet on your mobile phone, you can check the battery status as follows:

- Android - the headset battery indicator appears in the app bottom right-corner, as well as in the notification bar:



- iOS - the headset battery indicator appears next to the iPhone battery indicator.

4.5 Setting the Default Mobile Phone

If you paired your headset to two mobile phones, you must set one of them as the default phone for outgoing calls.

To set the default phone through SmartSet:

1. Check that your FREECOM 4 is in Standby (see "Modes and Events FREECOM 4" on page 31).

2. Open SmartSet and tap the Menu icon.
3. Tap the menu icon.
4. Under **BLUETOOTH**, tap **PRIORITY** for the default mobile phone.

To set the default phone through the headset:

- During a mobile call, press ~Phone for 5 seconds.

5. On the Road

5.1 Making and Receiving Phone Calls

To make a phone call, do one of the following:

- Make the call normally from your mobile phone.
- To use your mobile phone's voice dial: tap ~Intercom and ~Phone (not available during mobile calls).
- To use the default speed dial number: tap ~Phone three times.
- To redial the last number called: tap ~Intercom and ~Phone (not available during mobile or Bluetooth intercom calls).
- In SmartSet, tap **Phone** then tap the required speed dial (to define speed dials, see "Configuring Speed Dial Numbers" on page 15).

To answer a phone call:

Do one of the following:

- Tap ~Phone or ~Intercom.
- Use VOX.

To reject a phone call:

Do one of the following:

- Press ~Phone for 2 seconds.
- Remain silent for 30 seconds.

To end a phone call:

- Tap ~Phone.

To toggle between two calls on two mobile phones that are paired to your headset:

- Tap ~Phone twice.

To disconnect the current call and switch to the call on the second phone when two mobile phones are paired to your headset:

- Tap ~Phone.

5.2 Making and Receiving Bluetooth Intercom Calls

- VOX and AGC performance vary based on environmental conditions, including driving speed, helmet type and ambient noise.
For improved performance, minimize the wind impact on the microphone by using the large microphone sponge and closing the visor.
- During a 3 or 4-way Bluetooth intercom conference call, riders using both Bluetooth intercom channels cannot receive phone calls or GPS instructions while the call is in progress.
- To make and receive Bluetooth intercom calls, you must first pair the bluetooth, see "Pairing the Bluetooth Intercom" on page 10.

To start a Bluetooth intercom call, do one of the following:

- To use the headset buttons :

- To start a call with rider A or add rider A to a call, tap ~Intercom.
- To start a call with rider B or add rider B to a call, tap ~Intercom twice.
- To start a call with rider C or add rider C to a call, tap ~Intercom three times.
- To start a conference call with riders A and B, press ~Intercom for two seconds.
- Use VOX. If you are paired and connected (within range), a Bluetooth intercom call riders A, B or A+B is started.
- To use SmartSet: On the **INTERCOM** screen, select the required channel (A, B, C or A+B).
- To use the headset voice-assisted menu:
 - a. Tap ~Phone and ~Volume Up.
 - b. When the voice-assisted menu reaches "Start Intercom", tap ~Intercom or use VOX.

- if a single rider (A, B or C) is connected, a Bluetooth intercom call is opened to the connected rider.
- If riders A and B are connected, a Bluetooth intercom conference call is opened with Riders A and B.
- If riders A and C are connected, a Bluetooth intercom call is opened with rider A.
- If riders B or C are connected, a Bluetooth intercom call is opened with rider B.

To end a Bluetooth intercom call, do one of the following:

- To use the headset buttons:
 - To disconnect rider A, tap ~Intercom.
 - To disconnect rider B, tap ~Intercom twice.
 - To disconnect rider C, tap ~Intercom three times.
 - To end all active Bluetooth intercom connections, press ~Intercom for 2 seconds.
- If you initiated the Bluetooth intercom call using VOX: remain silent for at least 30 seconds. Any open call is disconnected.
- To use SmartSet: On the **INTERCOM** screen, select the required channel to disconnect.

5.2.1 Receiving Bluetooth Intercom Calls

- If another paired headset calls you via Bluetooth intercom, the call begins instantly.
- To receive Bluetooth intercom calls from unpaired headsets, see "Click-To-Link Calls" below.

5.2.2 Bluetooth Intercom Busy Signal

A busy signal is heard when you attempt a Bluetooth intercom call when the other rider is in:

- phone call
- Bluetooth intercom call with Channels A and B
- Click-to-Link call

5.2.3 Click-To-Link Calls

Click-to-Link is a spontaneous way to instantly initiate one-on-one intercom calls with other riders near you, without being paired.

If other FREECOM 4 users are nearby, your next Click-to-Link call may randomly connect to any of them.

To make a Click-to-Link call through SmartSet:

1. Open SmartSet and tap **Intercom**.
2. Tap **CLICK TO LINK**.

To end a Click-to-Link call through the headset buttons:

- Tap ~Intercom.

To end a Click-to-Link call through VOX:

- Remain silent for at least 30 seconds. Any open intercom call to a single rider (A, B or C) is disconnected.

5.2.3.1 Incoming Click-to-Link Intercom Calls

To block incoming Click-to-Link calls, disable Click-to-Link (see "Before You Ride" on page 13).

To accept a Click-to-Link call through the headset buttons:

- Tap ~Intercom.

To reject a Click-to-Link call through the headset buttons:

- Press ~Intercom for 2 seconds.

To accept a Click-to-Link call through VOX:

- Say a word loudly.

5.3 Listening to Music and Radio

5.3.1 Listening to Music

To start A2DP streaming from your paired device, do one of the following:

- To use the headset buttons: tap ~Phone.
- To use SmartSet: on the **MUSIC** screen, tap the play icon.
- To use the headset voice-assisted menu:
 - a. Tap ~Phone and ~Volume Up.
 - b. When the voice-assisted menu reaches "Play music", tap ~Intercom or use VOX.

To stop A2DP streaming from your paired device, do one of the following:

- To use the headset buttons: press ~Phone for 2 seconds.
- To use SmartSet: on the **MUSIC** screen, tap the stop icon.
- To use the headset voice-assisted menu:
 - a. Tap ~Phone and ~Volume Up.
 - b. When the voice-assisted menu reaches "Stop A2DP", tap ~Intercom or use VOX.

To skip to the next track (while streaming music):

- To use the headset buttons: tap ~Phone.
- To use SmartSet: on the **MUSIC** screen, tap the forward icon.

To skip to the previous track (while streaming music):

- To use the headset buttons: tap ~Phone twice.
- To use SmartSet: on the **MUSIC** screen, tap the back icon.

To forward auto scan tracks (while streaming music) and then play your desired track:

- To use the headset buttons:
 - a. Press ~Volume Up for 2 seconds. Forward scan plays a few seconds of each track.
 - b. When you hear a track you want to play, tap ~Phone.
- To use SmartSet:
 - a. On the **MUSIC** screen, under **MUSIC SCAN**, tap the forward scan icon. Forward scan plays a few seconds of each track.
 - b. When you hear a track you want to play, on the **MUSIC** screen, under **MUSIC SCAN**, tap the stop icon.
- To use the headset voice-assisted menu:
 - a. Tap ~Phone and ~Volume Up.
 - b. When the voice-assisted menu reaches "Scan tracks up", tap ~Intercom or use VOX.

To backward auto scan tracks (while streaming music) and then play your desired track:

- To use the headset buttons:
 - a. Press ~Volume Up for 2 seconds. Forward scan plays a few seconds of each track.
 - b. When you hear a track you want to play, tap ~Phone.
- To use SmartSet:
 - a. On the **MUSIC** screen, under **MUSIC SCAN**, tap the backward scan icon. Backward scan plays a few seconds of each track.
 - b. When you hear a track you want to play, on the **MUSIC** screen, under **MUSIC SCAN**, tap the stop icon.
- To use the headset voice-assisted menu:
 - a. Tap ~Phone and ~Volume Up.
 - b. When the voice-assisted menu reaches "Scan tracks down", tap ~Intercom
 - c. When you hear a track you want to play, use VOX.

5.3.1.1 Switching Music Sources

If two A2DP audio sources are paired, FREECOM 4 uses the A2DP audio sources from which you last played music.

To switch to the other audio source:

1. Stop A2DP playback from the current device (see "Listening to Music" on the previous page).
2. Start A2DP streaming from the other device (see "Listening to Music" on the previous page).

FREECOM 4 automatically remembers your last played device.

5.3.2 Listening to FM Radio

To turn on the FM radio, do one of the following:

- To use the headset buttons: tap ~Phone and twice.
- To use SmartSet: on the **FM** screen, tap the On/Off button.

- To use the headset voice-assisted menu:
 - a. Tap ~Phone and ~Volume Up.
 - b. When the voice-assisted menu reaches "Play radio", tap ~Intercom or use VOX.

To turn the FM radio off, do one of the following:

- To use the headset buttons: press ~Phone for 2 seconds.
- To use SmartSet: on the **FM** screen, tap the On/Off button.
- To use the headset voice-assisted menu:
 - a. Tap ~Phone and ~Volume Up.
 - b. When the voice-assisted menu reaches "Stop FM Radio", tap ~Intercom or use VOX.

To play a preset station:

- To use the headset buttons, do one of the following:
 - tap ~Phone for the next preset
 - tap ~Phone twice for the previous preset
- To use SmartSet: On the **FM** screen, tap the desired preset.

To seek the next available station:

- To use SmartSet: On the **FM** screen, do one of the following:
 - tap the forward scan icon.
 - tap the backward scan icon.
- To use the headset voice-assisted menu:
 - a. Tap ~Phone and ~Volume Up.
 - b. When the voice-assisted menu reaches "Seek station up", tap ~Intercom or use VOX.

To auto scan available stations and select your desired station:

- To use the headset buttons:
 - a. Tap ~Volume Up for 2 seconds. The FM radio plays each station that it finds for several seconds.
 - b. When you hear a track you want to play, tap ~Phone.
- To use the headset voice-assisted menu:
 - a. Tap ~Phone and ~Volume Up.
 - b. When the voice-assisted menu reaches "Scan station up" or "Scan station down", tap ~Intercom or use VOX.
 - c. When you hear a track you want to play, use VOX.

To store a scanned station in the active preset:

- To use the headset buttons: tap ~Phone within 20 seconds of stopping the scan.
- Use VOX.

To set all presets efficiently using SmartSet, see "To configure the six FM radio preset radio stations manually:" on page 17

To set all presets efficiently using Cardo Community, see Configuring Your FM Radio Using Auto Tuning

To temporarily store new stations in the presets (auto tuning):

- To use the headset buttons: press ~Volume Up for 5 seconds.
- To use SmartSet: on the **FM** screen, tap **AUTO TUNING**.
- To use the headset voice-assisted menu:
 - a. Tap ~Phone and ~Volume Up.
 - b. When the voice-assisted menu reaches "Auto scan 6 stations", tap ~Intercom or use VOX.

To restore the original presets (following auto tuning):

- To use the headset buttons: switch your headset off then turn it back on.
- To use SmartSet: on the **FM** screen, tap the forward or backward scan icons.

5.3.3 Sharing Music and Radio

You can share music and FM radio with other riders/passengers. Music can be shared up to a range of 33 ft / 10m, and is more suitable for rider/passenger combinations. FM radio can be shared up to a range of 4250 ft / 1300 m, and can also be used for rider/rider scenarios.

Before sharing music or FM radio:

1. Make sure the receiving headset is in Standby.
2. Start playing music over A2DP (see "Listening to Music" on page 24) or the FM radio (see "Listening to FM Radio" on page 25).
3. Pair the Bluetooth intercom on Channel A, B or C. (If you do not pair with a channel, Channel A is automatically paired by default.)

To start/stop sharing, do one of the following:

- To use the headset buttons: tap ~Volume Down.
- To use SmartSet:
 - on the **MUSIC** screen, tap **MUSIC SHARING**
 - or
 - on the **FM** screen, tap **FM SHARING**.
- To use the headset voice-assisted menu:
 - a. Tap ~Phone and ~Volume Up.
 - b. When the voice-assisted menu reaches :
 - ◆ "Start Music Sharing" / "Stop Music Sharing", tap ~Intercom or use VOX.
 - or
 - ◆ "Start Radio Sharing" / "Stop Radio Sharing", tap ~Intercom or use VOX.

- Phone and GPS audio navigation temporarily mute music playback.
- GPS audio navigation temporarily mutes phone.
- GPS audio navigation reduces Bluetooth intercom and music playback volume, but Bluetooth intercom and music are not muted.
- You hear Bluetooth intercom calls in the background during music sharing.
- Music sharing does not transmit voice audio and cannot be used as a Bluetooth intercom call.
- If you paired your headset to two mobile phones, music will be shared from the mobile phone through which you last played music.
- When sharing FM radio, either rider can change station.

5.3.4 Audio Source Priorities

FREECOM 4 automatically determines which audio source to play through the speakers based on the following priority:

Priority	Audio Source
Higher Priority	Mobile phone 1, GPS device instructions
↑	Mobile phone 2, GPS device instructions
	Intercom (Click-to-Link) or A2DP music ¹
	A2DP music or Intercom (Click-to-Link) ¹
Lower Priority	FM Radio

¹Depends on your A2DP/IC Priority setting, as configured in SmartSet (see "Configuring Your FREECOM 4 through Cardo SmartSet" on page 14).

- Intercom modes all have the same priority, so ongoing intercom calls will not be interrupted by any other intercom call.
- Intercom and Click-to-Link calls have the same priority, so Click-to-Link calls will not interrupt any Intercom call in progress, and vice versa.

6. Troubleshooting

6.1 Soft Reset

If your FREECOM 4 stops responding, reset it by either:

- Turning it off and then on again (see "Switching Your Headset On/Off" on page 7)
- Connecting the USB cable Type A plug to either the wall charger supplied with your FREECOM 4, or to a computer USB port.

6.2 Reset to Factory Settings

This option deletes all paired devices and all configuration settings.

To perform a factory reset through the headset, do one of the following:

- To use the headset buttons:
 - a. Check that your FREECOM 4 is in Standby (see "Modes and Events FREECOM 4" on page 31).
 - b. Simultaneously press ~Intercom+~Volume Up+~Volume Down for 5 seconds
- To use SmartSet:
 - a. Check that your FREECOM 4 is in Standby (see "Modes and Events FREECOM 4" on page 31).
 - b. Open SmartSet and tap the menu icon.
 - c. Tap **Settings**.
 - d. Tap **Reset to Factory**.
- To use the headset voice-assisted menu:
 - a. Tap ~Phone and ~Volume Up.
 - b. When the voice-assisted menu reaches "Advanced features menu", tap ~Intercom or use VOX.
 - c. When the voice-assisted menu reaches "Reset to factory settings", tap ~Intercom or use VOX.

6.3 FAQ

Additional answers to common problems can be found at www.cardosystems.com/faqs.

7. Support

For additional information:

 www.cardosystems.com

 support@cardosystems.com

 USA and Canada: 1-800-488-0363 / International: +49 89 450 36819

Multinational E-commerce companies and online auction websites are not authorized to sell Cardo products and purchases from such sites are at your own risk. To receive warranty or customer service, you must submit original receipts from authorized Cardo dealers.

Products that were imported from North America must be serviced in the USA.

Appendix A. Modes and Events FREECOM 4

The features you can use at any given moment depend on FREECOM 4's current mode, as indicated by the headset LEDs.

The following table shows LED indications for modes and events according to the current battery state.

LED	Flashing	Battery State	Mode or Event
Off	Off	Normal or Low Battery	Off
Blue	For 2 seconds	Normal or Low Battery	- Rider B connected - Set VOX to enabled
Blue	Fast (3 times)	Normal or Low Battery	Power on
Blue	Fast (repeating fast)	Normal or Low Battery	Pairing intercom rider B
Blue	Fast (repeating every 3 seconds)	Normal	- Active mobile call, voice via mobile - Standby
Blue	Slow twice (repeating slow, every 3 seconds)	Normal	- Incoming/outgoing call (intercom or mobile) - Audio active (intercom, FM, A2DP, GPS, Feature/Settings menu)
Red	Remains on	Charging	- Pairing intercom rider A - Rider A connected - Power off - Off
Red	For 2 seconds	Normal or Low Battery	- Rider A connected - Set VOX to disabled
Red	Fast (3 times)	Normal or Low Battery	Power off
Red	Fast (repeating fast)	Normal or Low Battery	Pairing intercom rider A
Red	Fast (repeating slow, every 3 seconds)	Low Battery	- Active mobile call, voice via mobile - Standby
Red	Slow twice (repeating slow, every 3 seconds)	Low Battery	- Incoming/outgoing call (intercom or mobile) - Audio active (intercom, FM, A2DP, GPS, Feature/Settings menu)
Purple	Slow (5 times)	Normal or Low Battery	Reset pairing
Purple	For 2 seconds	Normal or Low Battery	- Mobile pairing successful - Mobile connected - Rider C connected - IC pairing successful

LED	Flashing	Battery State	Mode or Event
Purple	For 2 seconds	Charging	- Mobile pairing successful - Mobile connected - Rider B connected - Rider C connected - Intercom pairing successful - Set VOX to enabled - Set VOX to disabled
Purple	Fast (3 times)	Charging	Power on
Purple	Fast (repeating fast)	Normal or Low Battery	- Click-to-Link - Pairing intercom rider C
Yellow	Fast (repeating)	Normal, Low Battery, or Charging	Incoming/outgoing Click-to-Link
Purple/Red	Fast purple and then red for 3 seconds (repeating)	Charging	- Active mobile call, voice via mobile - Standby
Purple/Red	Slow purple, fast red, slow purple, and then red for 3 seconds (repeating)	Charging	- Incoming/outgoing call (intercom or mobile) - Audio active (intercom, FM, A2DP, GPS, Feature/Settings menu)
Purple/Red	Alternating slow (5 times)	Charging	Reset pairing
Purple/Red	Alternating fast (repeating)	Normal, Low Battery, or Charging	Pairing GPS
Purple/Red	Alternating fast (repeating)	Charging	- Pairing intercom rider B - Pairing intercom rider C
Blue/Red	Alternating fast (repeating)	Normal, Low Battery, or Charging	Pairing Mobile 1
Green/Red	Alternating fast (repeating)	Normal, Low Battery, or Charging	Pairing Mobile 2

Federal Communications Commission (FCC) Statement

15.21

You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

15.105 (b)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no

guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Operation is subject to the following two conditions:

1. this device may not cause interference and
2. this device must accept any interference, including interference that may cause undesired operation of the device.

FCC RF Radiation Exposure Statement:

This equipment complies with FCC/IC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. The antenna used for this transmitter must not transmit simultaneously with any other antenna or transmitter, except in accordance with FCC/IC multi-transmitter product procedures.

Instructions concerning human exposure to radio frequency electromagnetic fields - to comply with FCC Section 1.310 for human exposure to radio frequency electromagnetic fields, a distance of at least 3 cm. between the equipment and all persons should be maintained during the operation of the equipment.

Industry Canada (IC) FVIN: V1.0.0

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

1. this device may not cause interference and
2. this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes :

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

IC RF Radiation Exposure Statement:

This equipment complies with the RSS-102 exemption from routine RF exposure evaluation for use in an uncontrolled environment.

European CE Notice

Your Cardo product (the "Product") is in conformity with the following essential requirements of Council Directive 1999/5/EC (referred to as R&TTE Directive): Articles 3.1a, 3.1.b and 3.2. The Product is manufactured in accordance with Annex II of the above directive.

Operating temperature: The Product is designed to work in temperatures between -20° and 55° C (-4° and 131° F).

Charging temperature: Battery charging temperature limits: 0° - 45°C (32°-113°F)

AC/DC Adapters: When charging from a wall outlet, make sure that the plug-in AC/DC adapter meets the following criteria:

Input: 100-240 V, 50/60 Hz, 0.2 A maximum Output: 5 V DC, 1 A maximum.

Declaration of Conformity (DOC)

The Product is compliant with and adopts the Bluetooth® Specification 4.0 and has successfully passed all interoperability tests that are specified in the Bluetooth® specification. However, interoperability between the device and other Bluetooth®-enabled products is not guaranteed.

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WARNING:

You are hereby notified that your complete and undivided attention is required when using a communication device (the “Product”) while riding. Failure to avoid potentially hazardous situations could result in accident resulting in serious injury or death.

Cardo advises you to take all necessary precautions and remain alert to the traffic, weather and all road conditions. Do not perform pairing, linking or any complex operations while riding. All publications are intended to address technical capabilities and should not be construed as encouraging the operation of Cardo’s Products in any manner that is unsafe or prohibited by law.

Exercise all due caution while using this Product and obey all applicable traffic laws. Always ride and use the Product in a safe manner and do not become distracted by the Product while riding. Do not operate the Product if it becomes unsafe to do so.

In some regions or states, the use of mobile communications systems is prohibited or restricted. Check all local, state and federal laws and regulations (the “Laws”) that apply to your region before using the Product and be mindful that compliance with all Laws is the user’s responsibility. Use the Product in motion only where and in the manner that such devices are permitted by applicable Law.

No part of the body should come in contact with the antenna during operation of the equipment. Use Product only where safe, and avoid usage at gas stations, fuel depots or around explosives. Use with hearing aids and medical devices only after consulting a physician or specialist. Make sure to install and mount the Product in a stable manner.

Health Warnings:

Hearing Loss: Audio devices can cause hearing loss. Employ care and avoid exposure to excessive volume levels that may damage or impair hearing or lead to hearing loss. Permanent hearing loss may occur if Products are used at high volume for prolonged periods.

RF Signals: Most electronic equipment is shielded from RF signals. However, certain electronic equipment may not be shielded against the RF signals emanating from your wireless equipment.

Pacemakers: The Health Industry Manufacturers Association recommends that a minimum separation of about six inches (or 16 cm) to be maintained between a mobile phone or wireless device and a pacemaker to avoid potential interference with the pacemaker. Be sure not to interfere with the functionality of personal medical devices.

Hearing Aids: Some devices may interfere with certain hearing aids. In the event of such interference, you should consult your hearing aid manufacturer to discuss alternatives.

Other Medical Devices: If you use any other personal medical device, consult the manufacturer of your device and/ or your physician to determine if it is adequately shielded from interference caused by external RF energy. Your physician may be able to assist you in obtaining this information.

LIMITED WARRANTY

Subject to the applicable laws and regulations in your jurisdiction, your Product is covered by a Two-Year Limited product warranty from the date of original purchase. Please retain and submit the retail sales receipt and your registration data for proof of purchase.

In no event shall Cardo be liable for any incidental, special, indirect, punitive, exemplary or consequential damages, whether resulting from the use, misuse, or inability to use this product or from defects in the product, or for any

damages whatsoever resulting from the use of the product, whether based on breach of contract, tort (including negligence), product liability or otherwise even if advised of the possibility of such damages. You acknowledge and agree that the limitations set forth above are fundamental elements of this agreement to which you consent and without which the product would not be provided to you absent such limitations. Cardo retains the exclusive right to repair or replace (with a new or newly-refurbished replacement Product) the device or software or give a refund of the purchase price at its sole discretion. SUCH REMEDY SHALL BE YOUR SOLE AND EXCLUSIVE REMEDY FOR ANY BREACH OF WARRANTY.

Subject to the aforementioned, Cardo hereby represents that this Product is warranted to be free from defects in materials or workmanship. Within the subject period, Cardo will, at its sole option, repair or replace any components that fail in normal use. Such repairs or replacements will be made at no charge to the customer for parts or labor, provided that the customer shall be responsible for any shipping cost and applicable fees to any official authorities. This warranty does not cover failures due to abuse, misuse, accident, loss or unauthorized alteration or repairs.

This Product is intended to be used only as a communication and entertainment device and should not be employed in any location or jurisdiction where its use is prohibited.

The warranties and remedies contained herein are exclusive and in lieu of all other warranties express, implied or statutory, including any liability arising under any warranty of merchantability or fitness for a particular purpose, statutory or otherwise that Cardo specifically disclaims. This warranty gives you specific legal rights which may vary from jurisdiction to jurisdiction. Cardo makes no other warranties express or implied beyond those stated specifically herein. This warranty is extended by Cardo solely to the original purchaser and is not assignable or transferable to others. Cardo assumes no obligation or liability for additions or modifications to this warranty unless made in writing and signed by an officer of the company.

Batteries are warranted only if the battery capacity falls below 50% of rated capacity or if the battery develops leakage. Do not store your Product without charging it from time to time for periods in excess of six months, as this may cause irreversible damage to the capacity of your battery. Your warranty will not cover such events.

This warranty also becomes void if: a) Any of the seals on the case or battery are broken or Product or battery show signs of tampering, b) the battery is used in equipment other than the equipment for which it was intended. c) the Product is used in contravention of its intended purpose. d) the Product was purchased from online auctions

Cardo assumes no responsibility resulting from the use of non-Cardo components, accessories or devices in conjunction with its Products.

Caution: Do not tamper with batteries as there are risk of explosion if battery is replaced by an incorrect type.

Not covered by the warranty:

1. Defects or damage resulting from the use of this Product in other than its normal and customary manner.
2. Defects or damage from misuse, accident or neglect.
3. Defects caused by improper operation, maintenance, installation, adjustment or modification of any kind (incl. long-term storage without periodic charging of the battery)
4. Products opened, disassembled or repaired by non-authorized parties.
5. Defects or damage due to exposure to excessive temperatures, adverse weather conditions, external impacts or spills of food or liquid.
6. All plastic surfaces and all other externally exposed parts that are scratched or damaged after purchase.

Disclaimer of Warranty

The device and its accessories are provided “as is” and “as available” without warranty of any kind beyond those assumed in the enclosed manual.

Warranty Service

To obtain warranty service, please present the Product, along with your registration number, bill of sale (receipt) at any authorized Service Center or at the store from which you have purchased the Product. To obtain warranty service, contact Cardo's product support and obtain an RMA tracking number, or contact your local Cardo authorized dealer. Ship securely with a copy of the original sales receipt which is required as proof of purchase for warranty repairs. The RMA tracking number should be written on the outside of the package. Send the Product freight charges prepaid, to the Cardo address as directed by Cardo.

Online Auction Purchases: Online auction confirmations are not accepted for warranty verification. To obtain warranty service, an original or copy of the sales receipt from the original retailer is required. Cardo will not replace missing components from online auction sites.

WAIVER AND GENERAL RELEASE

By using the Product, you will waive substantial legal rights including the right to sue. Please read the following carefully before using the Product.

By using the Product, you are irrevocably releasing, indemnifying from any liability, loss, claim and expense (including attorneys fees) and holding Cardo harmless for any bodily injuries, harm or death as well as losses or damages in goods, to any vehicles including your own, or to any property or asset that belong to you or to third parties, any of which may result from using the Product under any circumstances or conditions and irrespective of jurisdiction.

1. You, your heirs, legal representatives, successors or assigns, hereby voluntarily and forever release, discharge, indemnify and hold harmless Cardo from any and all litigation, claims, debts, demands, actions and liability which may arise, directly or indirectly, from using the Product for any distress, pain, suffering, discomfort, loss, injury, death, damages to or in respect to any person or property however caused, WHETHER ARISING FROM THE NEGLIGENCE OR OTHERWISE, and which may hereafter accrue to you on some future date as a result of said use, to the fullest extent permitted by law.
2. You fully understand and assume the risks in using the Product, including risk of negligent acts or omissions by others. All risks for operating the Product are assumed solely by the user of the Product.
3. You confirm that you are physically capable to use the Product and that you have no medical conditions or needs that may infringe upon your abilities to do so in a safe manner. You further confirm that you will not consume any alcohol that may affect your alertness or any mind-altering substance, and will not carry, use or consume these substances before or during the use of the Product.
4. You fully acknowledge our warnings and understand that:
 - a. risks exist in using the Product while in traffic, including but not limited to injury or illness, strains, fractures, partial and/or total paralysis, death or other ailments that could cause serious disability;
 - b. these risks may be caused by the negligence of the manufacturers or its agents or any third party involved in the Product;
 - c. these risks and dangers may arise from foreseeable or unforeseeable causes.

You hereby assume all risks and dangers and all responsibility for any losses and/or damages, whether caused in whole or in part by the negligence or other conduct of others, including Cardo.

5. By using the Product, you confirm that you have read this release of liability and fully understand and accept its terms and conditions.

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