scala-rider

User Manual



Introduction

Congratulations and thank you for purchasing the **scala-rider**™ Bluetooth headset for motorcycle helmets. Now you can wear your helmet while talking hands-free on your



Bluetooth enabled mobile phone, made possible by the short-range wireless connection between your cell phone and the **scala-rider** headset. If you are using a standard non-Bluetooth mobile phone, you can still enjoy the headset's advantages by connecting our optional BT Adapter to your mobile phone (purchased separately).

The **scala-rider** headset is compatible with the latest Bluetooth ver. 1.2 specifications, and works equally well with Bluetooth ver. 1.1.

Please read and familiarize yourself with all the instructions, components and controls of your headset prior to first use.

We wish you a great **scala-rider** experience.

CARDO SYSTEMS, Inc.



Retail Package Contents.

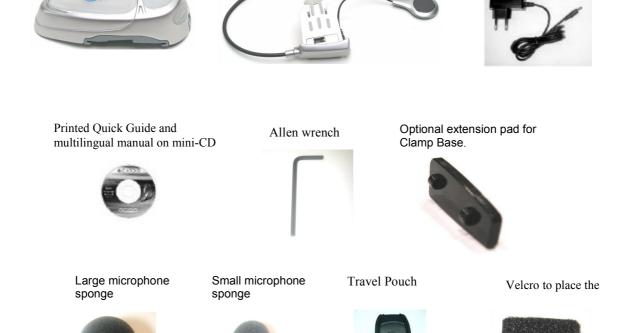
Your retail package contains the following items:

- Headset
- Clamp
- Large sponge for microphone (for 3/4 helmets)
- Small sponge for microphone (for full-faced helmets)
- extension pad for the helmet unit
- Allen wrench

Headset

- Wall Charger (universal travel version)
- CD-Manual & Quick Start Guide
- Warranty + Registration Card
- Velcro for speaker (needed only for certain helmet types).

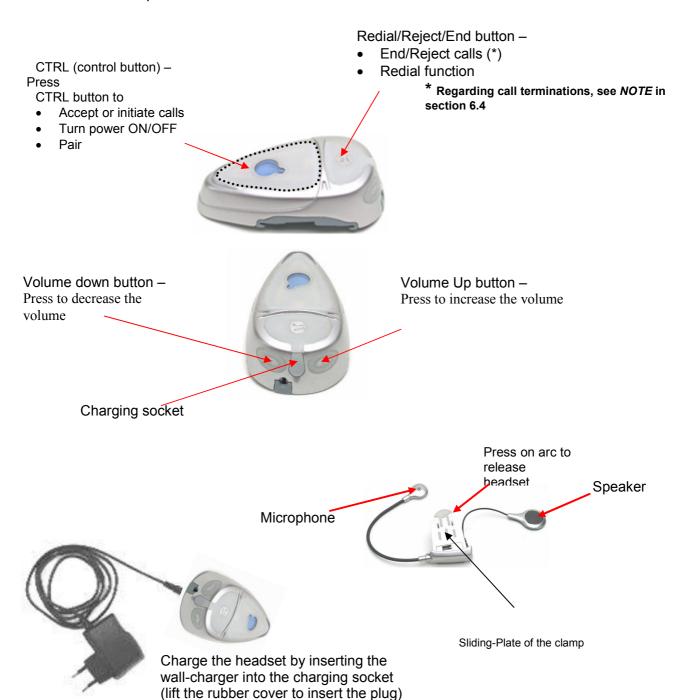
Clamp



Wall Charger (dual voltage)

3 Before using the headset

Read and familiarize yourself with all instructions, components and controls of your scalarider headset prior to first use.



3.1 **Charging Battery**

MPORTANT Make sure the headset is fully charged prior to initial use. Allow at least **Four** hours for a full charge before using for the first time. Normally 2-3 hours will suffice for complete charge. The headset should be off the helmet when being charged (solely for purposes of convenience)

- Plug the Wall Charger into the charging socket of the headset and connect it to an electrical outlet.
- The Red Light Indicator (LED) on the scala-rider will turn on when charging begins. Allow the headset to charge until the Red LED turns off.
- When charging is complete, release the headset from the charger. NOTE: You may leave the unit connected even if charging is completed. There is no danger of over-charging.

3.2 Attaching and removing the scala-rider from your helmet

4.2.1 First installation

Once the headset is fully charged you should *pair* it to your mobile phone. You cannot operate the headset prior to successful pairing (see section 5 below). When done, proceed with attaching the unit to your helmet as follows: back plate FIG 1

• The clamp serves as the base for the headset and must be attached to y helmet before using the headset

• Use the enclosed Allen Wrench to loosen the two screws of the clamp (FIG. 1). Then slide the backplate of the clamp between the internal padding and the external shell of the helmet (FIG. 2). (In case the external shell of the helmet is too wide, use the optional extension pad)

Before fastening the screws, make sure to adjust the clamp's location to an ideal position, i.e. to the spot where the attached speaker sits opposite your ear and the microphone is located slightly off the **corner** of your mouth (FIG. 3). You may need to re-position the clamp repeatedly until you identify the ideal spot. The speaker can be easily placed into position and removed by means of the Velcro layer that attaches to the inner padding of your helmet. (Velcro pad included in your retail box).

Once you have identified the ideal position for The microphone and speaker, use the Allen Wrench to fasten the clamp.

Now slide the scala-rider headset downwards al clamp (FIG. 4) until a light clicking sound indicate the corner of your mouth and not at the center headset has reached its proper operational posit

FIG 3

FIG 2

Turn on the headset by pressing and holding CTRL for at least 6 seconds until the Blue LED flashes three times and an ascending alert tone is heard.

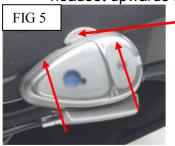
Quickly release the button.



4.2.2 Removing the headset from the helmet.

The clamp usually stays attached to the helmet, but you can also easily remove it by proceeding in the reverse order of the attachment procedure (see 4.2.1 above).

• To remove the headset from the clamp, press your finger firmly against the arched tip of the sliding-panel (FIG. 5) and use the other hand to slide the headset upwards along the Sliding-Panel (FIG. 5).



Press against the arc, then slide the headset unit upwards.

4.2.3 Re-attaching the headset to the helmet.

• To re-attach the headset, simply slide it downwards along the Sliding-Panel of the clamp (FIG. 4) until a light clicking sound indicates that the headset has reached its proper operational position.

4 Getting Started with the scala-rider headset

Before you can use your headset for the first time, the *pairing* process between your headset and mobile phone must be completed. Pairing is the required process of mutual recognition between your headset and mobile phone.

Please note: Your headset will not work prior to successful completion of the pairing process!

4.1 Pairing process

- 4.1.1 Turn on the phone and activate its Bluetooth function.
- 4.1.2 Press and hold the CTRL button until the red and blue LEDs begin flashing rapidly

- alternating.
- 4.1.3 On your Bluetooth phone, search for Bluetooth devices by following your phone's instructions. Usually this is done by selecting the *Search* or *Discover* option in the *Bluetooth* or *Connection* menu. Refer to your phone's manual for detailed instructions on how to pair using your specific phone.
- 4.1.4 After a few seconds of searching, your phone will list the "scala-rider" as a discovered device. Select it, and when asked, follow your phone's instructions to accept pairing.
- 4.1.5 When prompted by your phone, enter 0000 (4 zeros) as your PIN or passkey.
- 4.1.6 Your phone will confirm when pairing has been successfully completed.

NOTE: If pairing is not completed within two minutes, the headset will return to Standby mode (flashing Blue every 3 seconds). To pair again, turn off the headset by pressing and holding the CTRL button until the red led flashes three times and repeat the process as shown above (5.1).

Congratulations! You have now successfully completed your Bluetooth pairing process and are able to use your scala-rider headset with your mobile phone. From now on, when using your headset, you will no longer need to pair the headset to the phone. The two devices will remain paired until you delete that pairing from the phone.

4.2 Power On/Off

To **turn ON**, press and hold the CTRL button for at least 6 seconds until the Blue LED flashes three times and an ascending alert tone is heard. Quickly release the button. To **turn OFF** the headset, press and hold the CTRL button for at least 3 seconds until the Red LED flashes three times and a descending alert tone is heard.

4.3 Renewed Pairing

If you wish to use a different phone or in case you need to repeat the pairing process for any other reason, please proceed as follows:

- 5.3.1 Turn the headset off.
- 5.3.2 Press the CTRL button for 10 seconds until the red and blue LEDs begin flashing rapidly alternating.
- 5.33 Follow sections 5.1.3 to 5.1.6 above.

4.4 Reconnecting the scala-rider headset to a paired phone

Although you may have previously paired your headset to your phone, each time you turn one of them off, some phones require that you re-establish the connection.(not to be confused with pairing)

Reconnecting may also be necessary when your headset and phone have lost the radio signal because the distance between them has exceeded 30 feet or 10 meters. After you have turned on your mobile phone, there are several methods to reestablish the connection:

- Turning the headset on should reconnect it automatically to the phone.
- With some mobile phones you need to reestablish the link to your headset by using your phone's menu. Please refer to your mobile phone's manual for operating instructions.
- Assuming your phone features voice activation, tap the CTRL button on your scala-rider headset. This will activate your phones voice dial function, indicating that the connection is established.
- Do nothing. Once a call is received, answer by pressing the CTRL button.

5 Handling Calls

NOTE: Certain advanced features of the scala-rider are only accessible to phones equipped with the **hands-free** profile.

5.1 Initiating calls by using your phone's keypad

- a. Dial the phone number on your phone's keypad.
- b. Press "Talk" or "Send" on your phone to dial the number.

5.2 Voice Dialing

- a. Make sure your phone is ON but no call is in progress.
- b. Tap the CTRL button and listen for a tone.
- c. Now pronounce the name of the party you wish to call and wait for feedback from the phone. The type of feedback depends on your phone.

5.3 Answering Calls (including Special Voice Recognition Feature)

The ringtone for incoming calls increases gradually. When you hear the ring tone (on the headset), there are two ways you can answer the call:

- Tap the CTRL button on your headset once (FIG. 6)
- Assuming the Voice Recognition feature is active (see section 7 below), answer the call by pronouncing loudly any word of your choice within 7 seconds. If you remain silent for 7 seconds the call will be automatically rejected and the ringing will stop.



5.4 Terminating Calls

To terminate a call, tap the Reject/Redial/End button, followed by a tone confirming the termination (FIG. 7)

If the other party terminates the call first, you don't have to do anything.

Wait at least three seconds before pressing the CTRL button to start voice dialing.

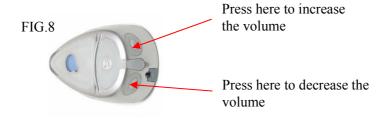


NOTE: If your mobile phone does not support the **handsfree** protocol you will not be able to end calls by pressing the Reject/redial/End Button. Instead, please tap the CTRL button to terminate calls.

5.5 Volume Control

The scala-rider headset comes equipped with AGC technology to automatically adjust itself to the optimal speaker volume. Its embedded sensors continuously measure the ambient noise and driving speed to make manual adjustment of the volume buttons virtually unnecessary.

Irrespective of this feature, you can adjust the volume anytime by pressing the volume buttons one step at a time (FIG. 8). For each step of adjustment, you will hear a short beep.



5.6 Call Reject

While you hear the ring tone on the headset, there are two ways you can reject the call:

- Tap the Redial/Reject/End button on your headset to reject the call (FIG. 9).
- Assuming the VR feature is enabled (see section 7 below), remain silent for 7 seconds to reject the incoming call.



5.7 Redial

While no call is in progress, tap the Redial/Reject/End button on your headset to redial to the last number (FIG. 9).

7 Voice Recognition (VR) feature

The VR feature allows you to answer or reject incoming calls by voice control without having to remove your hands from the handlebars.

The default mode of this feature is ON.

To disable the VR feature, please refer to section 7.1 below.

NOTE: The VR feature works well while driving up to 70km/h or 44m/h with 3/4 helmet and up to 120km/h or 75m/h with closed full faced helmet.

For best performance use the enclosed large microphone sponge.

7.1 Enable/Disable the Voice Recognition feature

Press and hold the Volume Up and Volume Down buttons simultaneously for 3 seconds to enable/disable the VR feature. You will hear an ascending/descending tone confirming the change each time you switch this feature ON or OFF respectively.

7.2 Answering calls using Voice Recognition

When you hear an incoming call via the headset, pronounce loudly any word of your choice with in 7 seconds in order to answer the call.

7.3 Rejecting calls using Voice Recognition

When you hear an incoming call via the headset, remain silent for the next 7 seconds in order to reject the call and stop the ringing.

8. Light and Sound Signals

LED indication	Status
Triple blue flash	Headset being turned on
Triple red flash	Headset being turned off
Single blue flash every 3	STANDBY:
seconds	Not on a call
Double blue flash every 3	ACTIVE:
seconds	On a call or initiating a connection.
Rapid red-blue alternating	PAIRING MODE
flash	
Single red flash every 3 seconds	Low battery while in STANDBY

Double red flash every 3 seconds	Low battery while a call in progress
Steady red	Charging
Steady red turns off	Fully Charged
Audio Feedback	Status
Ascending tone (low-high)	Headset being turned on
Descending tone (high-low)	Headset being turned Off
Low Bat beep	Low Battery While in Standby
Low bat beep	Low battery while a call in progress
Ascending Tone	Toggle VR feature on
Ascending Tone	Toggle VR feature off

9 FAQs

What is the Cardo scala-rider headset?

The scala-rider wireless headset is a comfortable, stylish and easy to use accessory to a BluetoothTM mobile phone or smart-PDA, designed for use with motorcycle helmets.

Do I need an Adapter if I already have a Bluetooth enabled cell phone? No. Your scala-rider headset communicates with virtually every Bluetooth phone.

How does the scala-rider headset work?

Once the scala-rider headset is "paired" to your Bluetooth enabled mobile phone, the two devices communicate wirelessly using Bluetooth technology.

If I want to keep my non-Bluetooth mobile phone, can I still use the *scala-rider* with my mobile phone?

You can hold on to your non-Bluetooth mobile phone and still enjoy the benefits of the headset, if you also purchase the **scala Bluetooth Adapter**. The BT Adapter is very small and plugs directly into the headset jack of most non-Bluetooth phones, thereby enabling that phone to communicate wirelessly with your headset.

Is the battery removable?

The battery is not removable and you should never try to open the headset. Let only Authorized Service Centers maintain or service your device. Please refer to our website for instructions at the end of your battery life.

Do I need to turn my headset off or leave it on when it is recharging? Your headset may stay on <u>or</u> off during the charging process, according to your preference.

When I turn on my cell phone, do I need to pair or link my cell phone and headset again?

Once your mobile phone and headset are paired, you will <u>not</u> have to pair it again. You will only need to implement the simple steps of reconnecting your phone and headset each time either or both are turned off or have moved more than approximately 30 feet (10 meters) apart from each other.

Will other Bluetooth phones interfere with my *scala-rider* headset? Can they eavesdrop?

No. Once you are paired, your identity is known only to the mobile phone you use and no other Bluetooth phone can hear your audio signals.

Can I wear scala-rider in the rain and under snowy conditions?

Yes, the scala-rider is weather protected but you should avoid excessive exposure to the elements.

What if I need more help?

Please access our website at: www.cardowireless.com/ or send us your question to: support@cardowireless.com.

10 Troubleshooting

Problem

Pairing process fails

Action:

- 1. Delete scala-rider from your paired device list in your phone (if it is listed)
- 2. Turn off the mobile phone and headset
- 3. Take out the battery of the phone (some phones have shown problems with pairing that are solved only if the battery is temporarily removed)
- 4. Repeat the pairing process as shown in section 5.2.

<u>Problem</u>

Can't answer phone calls or perform voice dialing by pressing the CTRL key Action

- 1. Make sure your scala-rider headset is turned ON and in standby mode while the blue light indicator flashes slowly.
- 2. Verify that the Bluetooth function on your phone is set to ON.
- 3. Verify that the scala-rider headset is the correctly paired Headset to your mobile phone
- 4. Link the headset to the phone as described above in section 5.4.
- 5. Check definition or settings on your mobile phone.
- 6. Perform pairing process and check again.

Problem

Can't answer phone calls using the VR feature

Action

- Make sure the VR feature is enabled (see section 7 for more details)
- 2. Make sure you utter the word loudly after you hear the ringing on your headset.

Problem

I can't terminate ongoing calls using the Reject/Redial/End button Action

It seems that your mobile phone supports the Bluetooth *headset* profile only and not the *handsfree* profile. Therefore you must use the CTRL button to answer or terminate calls

(See Section 6.4).

<u>Problem</u>

I'm trying to reject incoming calls by remaining silent, but the phone continues to ring. Action

- 1. Make sure the VR feature is enabled (See Section 7).
- 2. Reject feature works only with mobile phones that support Bluetooth *hands-free* profile. Make sure your mobile phone support this profile.

Problem

I'm trying to reject incoming call by remaining silent, but the call gets answered anyway. Action

- 1. Use the larger microphone sponge
- 2. Close the helmet visor
- 3. Feature works well up to limited speed (See section 7).

Problem

I can not perform Redial.

Action

- 1. Make sure the call list on your mobile is not empty.
- 2. The Redial feature works only with mobile phones that support the Bluetooth *hands-free* profile. Make sure your mobile phone support this profile.

Problem

Battery does not provide at least five hours talk time.

Action

Make sure your scala-rider headset is fully charged.

Charging time is up to 3 hours for an empty battery. When the headset is connected to the charger and it is fully charged, the red light indicator turns off.

Problem

Red LED does not light steady when charger is connected.

<u>Action</u>

- 1. Make sure the charger's DC jack is firmly plugged into the headset.
- 2. Disconnect the charger's DC jack, wait a few seconds and plug it back in.
- 3. If the headset is fully charged the red light turns off.

Problem

I hear crackling noises

Action

- 1. Possibly caused by nearby interference.
- 2. If you have a GSM phone and your headset is too close to phone, noises may be heard.
- 3. Headset and mobile phone are more than 30 ft. (10 m) apart or there are major obstacles between the headset and mobile phone (e.g. concrete walls or similar).

Problem

Sound deteriorates when the phone is in my back pocket.

Action

Some mobile phones emit weaker Bluetooth signals than others, resulting in reduced sound quality, especially when the phone is close to your body.

Suggestion: Move the phone to your breast pocket or at least to a front pocket on the same side you wear your headset.

Problem

The party I am speaking to complains about insufficient audio quality Action

- 1. Close helmet cover under high-speed conditions
- 2. Use the bigger microphone sponge.
- 3. Make sure the microphone is not in front of your mouth (the microphone should be opposite the corner of your mouth (see page 7!!!).

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 radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

European CE Notice

The **scala-rider**[™] headset (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.

Declaration of Conformity (DOC)

The **scala-rider**[™] headset is compliant with and adopts the *Bluetooth*® Specification 2.0 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.

WAIVER AND GENERAL RELEASE

By using the scala-rider you will waive substantial legal rights including the right to sue. Please read the following carefully before using the device. If you do not accept all terms of this agreement, you should immediately return the product for a full refund. By using the headset you agree to be bound to this agreement and forfeit the right to sue.

Using a communication device while riding a motorcycle, scooter, moped, ATV, quad-bike or any other vehicle or equipment, whether on land, water or air (jointly referred to as "Vehicle") requires your complete and undivided attention. Cardo Systems, Inc., including its Officers, Directors, Affiliates, Parent Company, Representatives, Agents, Contractors, Sponsors, Employees, Suppliers and Resellers (jointly referred to as the "Company" or "Cardo") strongly advises you to take all necessary precautions and remain alert to the traffic, weather and road conditions if you choose to use the **scala-rider** headset, including all derivative models irrespective of its

commercial name or branding (the "Device"), and stop your Vehicle on the roadside prior to initiating or receiving calls. Any publications, advertisements, announcements or similar notes that refer to using the Device while riding a Vehicle are solely intended to address its technical capabilities and should not be misconstrued as if encouraging users to operate the Device while actively involved in traffic.

By way of purchasing this Device and not returning it for a full refund (see below), 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 Device under any circumstances or conditions and irrespective of jurisdiction. Cardo will not be responsible for any physical damages, irrespective of reasons, conditions or circumstances, including malfunctioning of the Device, and all risks associated with operating it rest solely and entirely with the user of this Device, irrespective of whether the Device is used by the original purchaser or any third party.

Cardo hereby notifies you that using this Device may also be in contravention to local, federal, state or national laws or regulations, and that any use of the Device is entirely at your sole risk and responsibility.

- 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 Device 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 Device, including risk of negligent acts or omissions by others.
- 3. You confirm that you are physically capable to use the Device and that you have no medical conditions or needs that may infringe upon your abilities to do so in a safe manner. You confirm that you are at least eighteen (18) years of age and that you have been advised of the risks associated with the use of the Device. 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 Device.
- 4. You fully acknowledge our warnings and understand that: (a) risks and dangers exist in using the Device 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; (c) these risks and dangers may be caused by the negligence of the manufacturers or its agents or any third party involved in designing or manufacturing the Device; (d) 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 the Company.

5. You confirm that you have read this release of liability and fully understand its terms and that you have given up substantial rights by not returning the Device for a full refund (see refund option below).

Disclaimer of Warranty

CARDO DISCLAIMS ALL EXPRESS AND IMPLIED WARRANTIES WITH REGARD TO THE ENCLOSED DEVICE, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT. THE DEVICE AND ITS ACCESSORIES ARE PROVIDED "AS IS" AND "AS AVAILABLE" WITHOUT WARRANTY OF ANY KIND BEYOND THOSE ASSUMED IN THE ENCLOSED MANUAL.

Limitation of Liability

IN NO EVENT SHALL CARDO BE LIABLE FOR ANY SPECIAL, INDIRECT, PUNITIVE, INCIDENTAL, EXEMPLARY OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM THE USE OF THE DEVICE, 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 AND THE DEVICE WOULD NOT BE PROVIDED TO YOU ABSENT SUCH LIMITATIONS. SOME STATE STATUTES MIGHT APPLY REGARDING LIMITATION OF LIABILITY.

RETURN FOR FULL REFUND

IF YOU ARE UNWILLING TO ACCEPT AND AGREE TO THE ABOVE CONDITIONS, YOU MAY RETURN THIS DEVICE TO CARDO FOR A FULL REFUND, PROVIDED THAT YOU DO SO NO LATER THAN 7 BUSINESS DAYS FOLLOWING THE PURCHASE OF THE DEVICE (proof of purchase required) AND SUBJECT TO THE WRAPPING BEING INTACT. WHEN DOING SO, PLEASE REFER TO THIS SECTION. BY NOT RETURNING THE DEVICE FOR REFUND WITHIN THE PERIOD PROVIDED, YOU ARE EXPLICITLY IN AGREEMENT WITH THE ABOVE, AND RENOUNCE ALL RIGHTS TO FUTURE CLAIMS AND DEMANDS AGAINST CARDO AS DEFINED ABOVE.

19. Definitions

BT	Bluetooth
D 1	Diactocti

LED Light Indicator on the headset CTRL Control Button on the headset

VR Voice Recognition
AGC Automatic Gain Control

Need more help?
Please visit www.cardowireless.com