

6.0. Handling Calls

NOTE: Certain advanced features of the **scala-500™** are only accessible to phones equipped with the hands-free profile. Please check if your phone supports both the headset and the hands-free profile.

6.1 Initiating Calls using your phone's keypad

- Dial the desired phone number.
- Press "Talk" or "Send" on your phone to dial the number.

NOTE: Some phones do not transfer the call automatically to the headset when initiating the call by the phone's keypad. In this case press briefly CTRL or use the phone's keypad to transfer the call to the headset. Besides trial and error attempts, you may wish to visit our website to find out how best to configure your particular phone. (www.cardowireless.com).

6.2 Voice Dialing

To use voice activation (if available), you must first assign voice tags to the desired parties listed as your contacts in your mobile phone (if you are not familiar with this procedure, please refer to the manual of your mobile phone). To improve voice tag recognition, use the headset to record voice tags on your phone (if available).

While your phone is ON but no call is in progress, press briefly the CTRL button, followed by a sound. 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.

NOTE: After activating the Voice-Dialing command, you may always cancel the command by simply tapping CTRL once.

6.3 Answering Calls:

When you hear the ring tone either on the headset or on the phone, tap CTRL on your headset once.


NOTE: With some mobile phone models the connection might be slightly delayed. In such case, wait several seconds after pressing CTRL until you hear a sound on the headset. Pressing CTRL again too soon, might disconnect the call.

6.4 Terminating Calls

To terminate a call, press briefly the CTRL button, followed by a sound to confirm the termination. Wait at least three seconds before pressing the CTRL button again to place a new call. Alternatively, you may terminate a call by using the END key of your mobile phone. Doing so, will automatically terminate the audio connection. If the other party terminates the call, no further action on your part is required.

6.5 Volume Control

In addition to using the volume control of your mobile phone, there are two ways you may adjust the volume on your headset.

- To increase or decrease the volume gradually: Briefly turn the Multi-Function Wheel (MFW) to the up or down directions, indicated by the  icon. For each adjusting step, you will hear a beep until you have reached the maximum or minimum volume.

- To increase or decrease the volume rapidly: Move and **hold** the MFW to the *up* or *down* directions respectively. You will hear beeping as the volume increases or decreases until you have reached the maximum or minimum volume.

6.6 Mute Function

While a call is in progress, press briefly the center square of the MFW (FIG. 2) to turn off the microphone and activate mute. To turn the microphone back on, tap the MFW button again.

NOTE: *While on mute, you can hear the other side but the other side can't hear you.*

6.7 Transferring calls between headset and phone

FROM HEADSET TO PHONE:

While a call is in progress on your headset, press and hold CTRL for 3 seconds to transfer the call to the phone (FIG. 1).

FROM PHONE TO HEADSET:

While a call is in progress on your phone, press just briefly the CTRL button to transfer the call to the headset (FIG. 1).

6.8 Redial:

While not on a call, press and hold CTRL for three seconds to redial the last number (FIG. 1).

6.9 Call Reject:

While no call is in progress and you hear the ring tone, press and hold CTRL for three seconds to reject the call and stop the ringing (FIG. 1).

Fig. 1

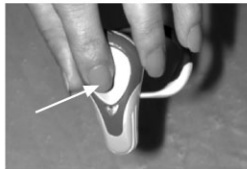


Fig. 2



7.0 Understanding the Light Indicators (LEDs) and Sound

LED Status	Status
Triple blue flash.	Headset is turned on
Triple red flash.	Headset is turned off
Single blue flash every 3 seconds	Headset is on standby
Double blue flash every 3 seconds	Headset is ON while call is being initiated or in progress
Rapid red-blue alternating flash	Headset is in PAIRING mode
Single red flash every 3 seconds	Headset is on standby and battery is low
Double red flash every 3 seconds	Headset is ON and either initiating a call or a call is in progress and battery is low
Steady red	Headset is charging
Steady red turned off	Headset charging is completed

Audio Feedback	Status
ascending tone	Headset is turned on
descending tone	Headset is turned off
Low bat beep	Headset is on standby and battery is low
Low bat beep	Headset is ON and either initiating a call or a call is in progress and battery is low

8. FAQs

What is the Cardo scala-500™ headset?

The scala-500™ wireless headset is a comfortable, stylish and easy to use accessory to a Bluetooth mobile phone or smart-PDA that enables you to hear and speak without holding your mobile phone near to your ear.

Do I need an Adapter if I already have a Bluetooth enabled cell phone?

No. Your scala-500™ communicates with virtually every Bluetooth phone.

How does the scala-500™ headset work?

Once the scala-500™ 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-500™ with my mobile phone?

You can hold on to your non-BT mobile phone and still enjoy the benefits of the headset, if you use the scala-500™ Bluetooth Adapter (purchased separately). The BT Adapter plugs directly into the headset jack of most non-Bluetooth phones, thereby enabling the phone to communicate wirelessly with your headset.

Is it possible to pair my Bluetooth phone with more than one headset?

Yes, but not simultaneously. Once your scala-500™ headset is paired to one phone or BT Adapter, these two devices remain specifically connected. If you wish your headset to be paired to another phone, you need to perform pairing between the scala-500™ headset and that phone. Only then will your headset communicate with that particular mobile phone.

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 when your battery has reached the end of its useful life.

What if I have trouble hearing the other party?

Try to increase volume by turning the MFW accordingly. You may also wish to try pushing the speaker slightly deeper into your ear-canal.

Do I need to turn my headset off or leave it on when it is recharging?

Either way is fine.

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 **not** have to pair it again, unless an unforeseen error has occurred. Generally, 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. Please refer to section 5.3 for further details.

Will other Bluetooth phones interfere with my scala-500™ 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 the headset cause interference with my car radio?

No, the Bluetooth standard does not interfere with car radios.

Can Wi-Fi or other 2.4 MHz transmissions in the vicinity interfere with the scala-500™?

We have not encountered such events, but in general interference may occur with any Bluetooth headset, including the scala-500™.

Can I wear the scala-500™ in the rain?

Keep in mind that scala-500™ is not waterproof.

Will scala-500™ work with more than one Bluetooth phone?

Yes, your scala-500™ headset can be paired with several Bluetooth phones, but you can only work with one at a time.

What if I need more help?

Please access our website at:

www.cardowireless.com

9. Limited warranty

Your **scala-500™** headset is covered with a **One-Year** Limited product warranty from the date of original purchase. Please retain the retail sales receipt and your registration data for proof of purchase.

What this limited warranty covers and for how long

Cardo Systems, Inc. (the “Company” or “Cardo”) warrants the **scala-500™** headset and charger against defects in material and workmanship under normal use and service for a period of one (1) year from date of purchase (proof of purchase and registration required). The Company at its sole discretion, will at no charge either repair, replace or refund the purchase price of the product to the original purchaser during the warranty period, provided the product has not been damaged or tampered with and has been returned in accordance with the terms of this warranty to an authorized Company Repair Center. Repair, at the Company’s option, may include the replacement of parts, boards or batteries with functionally equivalent reconditioned or new parts.

Warranty Conditions

This express limited warranty is extended by Cardo Systems, Inc. solely to the original purchaser and is not assignable or transferable to others. This is the complete warranty for your **scala-500™** headset and charger. The Company 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 70% of rated capacity or if the battery develops leakage.

This warranty becomes void if:

- a. Any of the seals on the case or battery are broken or device or battery show signs of tampering.
- b. The battery is used in equipment other than the equipment for which it was intended.

The Company disclaims all responsibility for any equipment not furnished by Cardo Systems Inc., which is attached to or used in connection with the **scala-500™** headset. Furthermore, the Company is not responsible for any damage to any part of the **scala-500™** headset resulting from the use of ancillary equipment not furnished by the Company for use with the Product.

What this warranty does not cover

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.
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 solid or liquid substances, incl. rain.
6. All plastic surfaces and all other externally exposed parts that are scratched or damaged after purchase.

Warranty Service

To receive warranty service, your product must be registered. Fax the attached registration card to the numbers listed on the card, send it by certified mail or register online at:

<http://www.cardowireless.com/registration.php>
For services, 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. Returns to the Company pursuant to the limited warranty can only be accepted with a Return Authorization number obtained from Cardo's customer service department.

General Provisions

This warranty is given in lieu of all other express or implied warranties, including without limitation, implied warranties of merchantability and fitness for a particular purpose. Cardo's obligations under this section are limited to the duration of this limited warranty.

a. Certain limited-life components that are subject to normal wear and tear, such as eyeglass clips, ear loops, decorative finishes, batteries, panels, cradles, sleeves, neckbands or other accessories, are exempt from any warranty.

b. Cardo is not liable for any incidental or consequential damages arising from the use or misuse of any of the Company's products.

c. The user should never attempt to perform service, adjustments or repairs of the Product by him/herself. Doing so will void all warranties. During the term of the warranty, all products must be returned to the point of purchase or the authorized service center for all necessary work.

d. The Company is not responsible for any loss or damage incurred during shipping. All repair work on scala-500™ products by parties not explicitly authorized by the Company will void any and all warranties.

e. The information in this Manual is furnished strictly for informational purposes and is subject to change without notice. Cardo assumes no liability or responsibility for any

errors or inaccuracies that may appear in this Manual or the Quick Guide.

NOTE: *Look for appropriate displays to verify that you are being serviced by an Authorized Cardo Dealer or Service Center. Cardo Systems, Inc. retains the right to amend and change its products, manuals and specifications at any time without notice.*

10. Troubleshooting

Problem

Pairing fails

Action:

1. Delete scala-500™ 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 and put it back .
4. Repeat the pairing process as shown in section 5.2.

Problem

Can't answer phone calls or perform voice dialing

Action

(Assuming your mobile phone supports Voice Dialing)

1. Make sure your 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-500™ is the correctly paired headset to your mobile phone (refer to the phone manual).
4. Link the headset to the phone as described above.
5. Check "Definitions" or "Settings" on your mobile phone.
6. Perform the pairing process and check again.

Problem

Battery does not provide at least five hours of talk time.

Action

1. Make sure your headset is fully charged. Charging time is up to 3 hours for an empty battery. When fully charged and charger is connected to headset, the red light indicator

turns off.

2. When not wearing the headset, make sure the CTRL button is not pressed.

NOTE: *You may have compromised the batteries' capacity if you did not fully charge it prior to initial use.*

Problem

Red LED does not light steady when charger is connected.

Action

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

Problem

Bad sound quality

Action

1. Possibly caused by nearby interference
2. If you have a GSM phone and your headset is to close to the phone, interference may occur.
3. Headset and mobile phone are more than 30 ft. (10m) apart or there are major obstacles between 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: Place the phone into your breast pocket or at least into a front pocket on the same side you wear your headset.

Tech Specs and Regulations

11. Technical Specification

Technology	Compliant with Bluetooth™ ver 1.1 / 1.2
Maximum power	2.5 dbm
Maximum link distance	30 feet or 10 meters
Typical talk time	up to 9 hours
Typical standby time	up to one week
Typical charging time	Between 2 and 3 hours
Power Source	Rechargeable Lithium Polymer battery
Weight	.58 oz. or 16.5 g (without ear-loop or glass-clip).
Approvals	FCC Part 15, CE, Bluetooth™
Wind blocking	Up to 16km/h (10miles/h)

NOTE: Design and specifications are subject to change without notice. Your rated standby-time is subject to the amount of talk-time used.

12. FCC notice

This equipment complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. Use only approved batteries and chargers. This equipment has been tested and found to comply with Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates 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. Your scala-500™ headset is designed to operate at the maximum strength allowed by the FCC. This means that your headset and or base unit can communicate only over a certain distance subject on the location of the cell phone, base unit and headset, your vehicle, the construction and layout of your home or office. Weather conditions can also affect performance.

CAUTION

RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE
DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

ALERTE

Risque d'explosion si la batterie est remplacée par un modèle qui ne convient pas. Il faut traiter les batteries usées selon les instructions.

NOTE: *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 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.

13. European CE Notice

Certification and Safety Approvals/ General Information, Regulations and Notices

This product is CE marked according to the provisions of the R & TTE Directive (99/5/EC). Hereby Cardo Systems, Inc. declares that this product is in compliance with the essential

requirements and other relevant provisions of Directive 1999/5/EC. Please note that this product uses radio frequency bands not harmonized within the European Union ("EU"). Within the EU this product is intended to be used in Austria, Belgium, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, The Netherlands, Portugal, Spain, Sweden, The United Kingdom and within EFTA in Iceland, Norway and Switzerland. Users are not permitted to make changes or modify the device in any way. Changes or modifications not expressly approved by Cardo will void the users authority to operate the equipment.

14. Contact Information

Cardo Systems, Inc.,
100 High Tower Blvd., Pittsburgh,
PA. 15205 (USA)

North America: Call toll-free 1 800 488-0363
or 412 788-4533, Fax: 412 788-0270

European Contact:

Cardo Systems Europe, 1 Hohenlindenerstr.,
Munich 81677 (Germany)

Phone: +49 89 450 36-819
Fax: +49 89 404-817

15. Service

North America: Call toll-free
1 800 488-0363 or 412 788-4533
Europe: Call +49 89 450 36-819

Service is provided under limited warranty. Cardo Systems, Inc. will only accept devices returned in compliance with our Warranty Provisions and submitted with a Return Authorization Number issued by a Cardo authorized service department. The Company retains the right to return all shipments not in compliance with our Warranty Provisions.

16. Patent, Copyright, Trademark Information

U.S. and Worldwide Patent Pending;
©2004 Cardo Systems Inc.

Assembled in China.

Bluetooth™ is a trademark owned by Bluetooth™ SIG, Inc., scala-500™, VersaClip™ and WindGuard™ are each a trademark owned by Cardo Systems, Inc.

All rights reserved by Cardo Systems, Inc. Cardo reserves all rights and explicitly prohibits any copying, dissemination, or other commercial use of the text and/or images or any part thereof contained in this manual, with the exception of end-users of the scala-500 headset for their own personal use, of authorized resellers and of journalists covering this product for media purposes.

17. State Law Rights

Some states do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts. Therefore depending on where you use the Headset, certain of the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may be entitled to other rights, which vary from state to state.

18. Definitions

BT	Bluetooth
LED	Light Indicator on the headset
CTRL	Control Button on the headset
MFW	Multi-Function Wheel on the headset

Need more help?
Please visit our website at
www.cardowireless.com