

Spectralink Butterfly

# User Guide

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Spectralink Corporation,  
2550 55th Street,  
Boulder CO 80301,  
USA

Spectralink Europe ApS,  
Langmarksvej 34,  
8700 Horsens,  
Denmark

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# Chapter 1: Getting Started

Read all information in this section before you use your handset.

## *Handset Information*

Never use your handset:

- in the vicinity of electrical detonators
- in shielded rooms
- in areas where radio transmission is forbidden
- in aircrafts

Do not place a handset near:

- water, moisture or damp areas
- heat sources, direct sunlight or unventilated areas
- devices which generate strong magnetic fields such as electrical appliances, fluorescent lamps, computers, radios, televisions or fax machines
- areas where the handset can be covered, its ventilation impaired, liquid spilled on the unit or objects inserted into the handset through any openings.
- areas with dust, vibration, shock or temperature extremes

Check for small metal objects in the handset earpiece/mouthpiece before using the handset.

Do not store or locate flammable liquids, gases, or explosive materials in the same compartment or vicinity as the cordless handset, its parts or accessories.

## *Charger Information*

A micro USB charger is used to charge this handset, having the following characteristics:

- Location: Worldwide
- Part Number: 84642604

## *Battery Information*

Read the following information before you handle the batteries:

- Do not leave a battery where it could be subjected to extremely high temperatures.
- Do not charge battery when the ambient room temperature is above 40°C/104°F or below 0°C/32°F.
- Do not replace batteries in potentially explosive environments, such as rooms where flammable liquids or gases are present.
- Do not charge batteries unless you use the approved power adaptor and the proper batteries.
- Use only Ni-MH rechargeable batteries, type AAA 1.2V in the Butterfly Handset.
- Do not disassemble, short circuit or dispose of in fire.
- Do not mix with different battery types.
- Do not let battery or power adaptor come into contact with conductive metal objects.
- Power handset off before removing the battery.

### Installing/Replacing Batteries

- 1 To install/replace the batteries, first remove the battery cover by using the small opening on top of the handset. Use a paperclip or a wide screwdriver.



- 2 When the gap at the top opens, lift off the battery cover.
- 3 Insert/replace the batteries. (+) and (-) symbols inside the battery compartment indicate the correct placement of the batteries.



- 1 Press the back cover in locked position (when you hear a click, the back cover is in position). Use only Ni-MH rechargeable batteries.

### Charging Battery

During normal operation, it takes approximately 4 hours to charge the handset from fully discharged to its full capacity.



Connect handset to micro USB charger




For correct charging, be sure the room temperature is between 0°C/32°F and 40°C/104°F. Do not place the handset in direct sunlight.

If the handset is turned off, when connected to micro USB charger the handset automatically turns on.



When charging, the display shows the blue charging icon  in the status bar. The charging icon is replaced by the green fully charged icon , when the batteries are fully charged (when handset is removed from the micro USB charger, the charging icon disappears).

It is necessary to recharge batteries when display shows the battery low icon , or if the handset cannot be turned on.

## Battery Capacity

The capacity of the batteries depends on the use of backlight and talk time.

Batteries capacity in active mode:

- Up to 15 hours active talking time.
- Up to 20 hours active talking time in economy mode

Batteries capacity in standby mode:

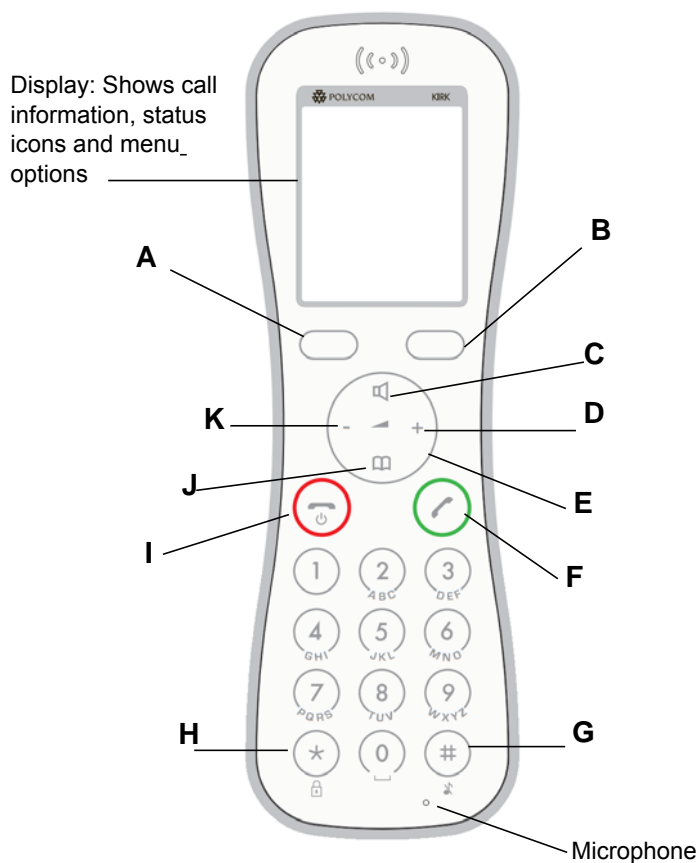
- 150 hours when display backlight is turned off.

## Battery Disposal

AAA Ni-mh batteries must be disposed of properly. Do not dispose of the batteries in office or household waste.

AAA Ni-mh batteries are recyclable. You can help preserve the environment by returning your unwanted batteries to your nearest recycling center for recycling or proper disposal.

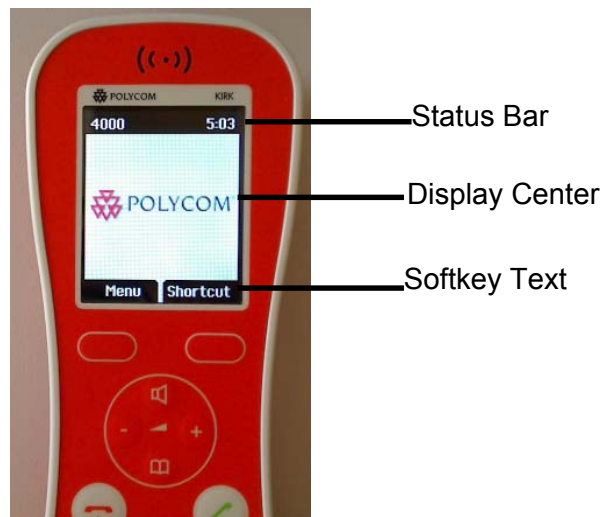
# Chapter 2: About Your Butterfly Handset



<b>A</b>	<b>Left Softkey</b>	
On hook - the handset is in standby mode.	<ul style="list-style-type: none"> <li>Enters main menu.</li> <li>Confirms choices in menu.</li> <li>Turns handset off with a long (three second) key press.</li> </ul>	
Off hook - the handset is in active mode.	<ul style="list-style-type: none"> <li>Mutes microphone</li> </ul>	
<b>B</b>	<b>Right Softkey</b>	
On hook (idle)	<ul style="list-style-type: none"> <li>Returns to previous menu.</li> </ul>	
Off hook (active)	<ul style="list-style-type: none"> <li>Turns loudspeaker on. Not available on 7710.</li> </ul>	

<b>C</b>	<b>Speakerphone On/Off</b>	
<b>D</b>	<b>Missed Call List</b>	
	On hook (idle)	<ul style="list-style-type: none"> <li>• Navigates to Missed Call menu</li> </ul>
	Off hook (active)	<ul style="list-style-type: none"> <li>• Adjusts volume</li> </ul>
<b>E</b>	<b>Navigation Key</b>	
<b>F</b>	<b>Off Hook</b>	
	Off hook (active)	<ul style="list-style-type: none"> <li>• Activates dial tone</li> <li>• Swaps between two calls</li> </ul>
<b>G</b>	<b>Silent mode Key</b>	
<b>H</b>	<b>Key pad lock</b>	
	On hook (idle)	<ul style="list-style-type: none"> <li>• Sets silent mode on/off (Menu + #)</li> </ul>
<b>I</b>	<b>On Hook</b>	
	On hook (idle)	<ul style="list-style-type: none"> <li>• Exits menu</li> </ul>
	Off hook (active)	<ul style="list-style-type: none"> <li>• Ends calls</li> </ul>
<b>J</b>	<b>Phonebook</b>	
<b>K</b>	<b>Call list/volume control</b>	
	On hook (idle)	<ul style="list-style-type: none"> <li>• Navigates to Call list Menu</li> </ul>
	Off hook (active)	<ul style="list-style-type: none"> <li>• Adjusts volume</li> </ul>

## Handset Display



The display is divided in three parts: **Status Bar**, **Display Center** and **Softkey Text** (see figure above).

The types of information shown in Status Bar when:

- on hook (idle): Status Bar shows user ID, personal settings and time.
- off hook: Status Bar shows actions (“calling”, “connected”, etc.)

The types of information shown in Display Center when:

- on hook (idle): Display Center shows standby logo or call information when receiving an incoming call
- off hook: Display Center shows a telephone icon.

The types of information shown in Softkey Text when:

- on hook (idle): Softkey Text shows **Menu** and **Shortcut**.
- off hook - display shows **Mic Mute** function.

## Status Icons

The following icons may appear in Status Bar or Display Center:



The low signal icon indicates that the handset soon will be out of coverage.



The no signal icon indicates that handset is out of coverage, or that the system is busy (no speech channels available).



The low battery icon indicates that battery capacity is low.



The telephone icon will appear when you miss a call.



The telephone icon will appear when an external incoming call arrives.



The telephone icon will appear when an internal incoming call arrives



The telephone icon will appear when you make a call.



The telephone icon will appear when the handset is off hook or a call is connected.



The envelope icon will appear when you receive a message



The charging icon will appear when the handset is placed in charger.



The fully charged icon will appear when the battery is fully charged.



The key lock icon indicates that the entire keypad is locked.



The silent icon will appear when all sounds are disabled.



The loudspeaker icon will appear when loudspeaker is turned on



The mute icon will appear when mic mute is turned on. Mic mute is a abbreviation of microphone mute.

## Display Backlight

The display backlight automatically turns on when an incoming call or message arrives, or if a key is pressed.

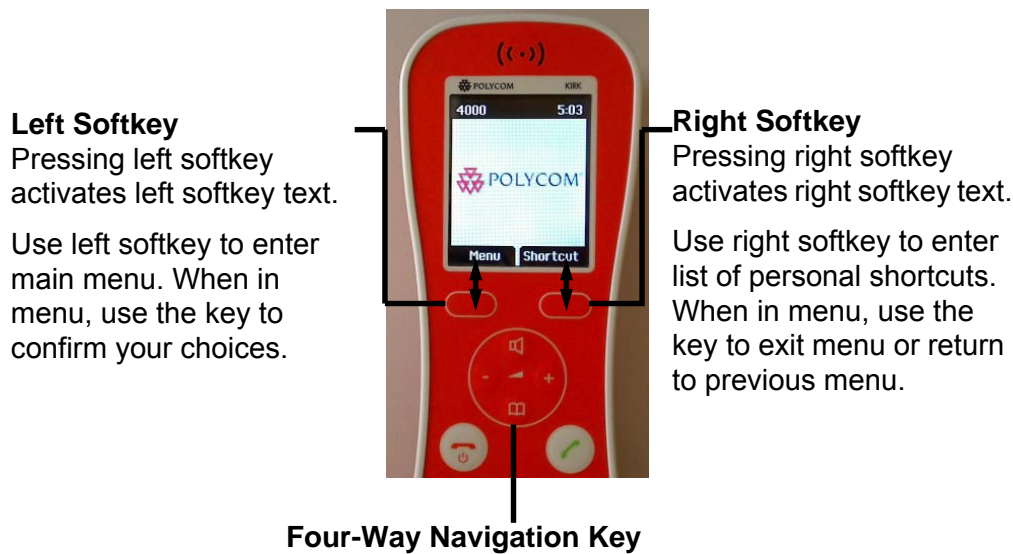
The backlight turns off when the handset is idle after a preset period of time delay.

## Navigating Handset

The main part of the functions of the handset are grouped into different menus. In the following sections you will find a description of how to navigate these menus.

You navigate the handset using two softkeys and a four-way navigation key. The figure below illustrates the connection between these keys and the text shown in display.

The following is a description of the handset when it is on hook (idle).



The handset also offers both personal and predefined shortcuts to selected functions in the menu. In the end of this chapter, you will find a section describing how to use these shortcuts.

## Entering Main Menu

- To enter main menu press left softkey to activate Menu.

## Scrolling in Menus

- When in menu, press top or bottom of navigation key to scroll up and down in menu.

## Confirming Choices

- When in the relevant menu, press **Select** to confirm your choices. Various terms are being used in the softkey text according to the context of the specific function.

## Navigating Cursor

- When in the relevant menu, press left or right side of navigation key to move cursor from side to side. This is especially relevant when you are writing/editing words or entering/editing numbers and want to delete a letter or digit.
- To delete, simply place cursor behind the letter or digit and press right softkey to activate **Delete**.

## Returning to Previous Menu

- When in menu, press right softkey to activate **Back** or **Exit**. You now return to previous menu.

## Leaving Menus

- To leave menu, press . This key will exit menu at once.

## Shortcuts

The handset contains two types of shortcuts:

- Personal shortcuts
  - Personal shortcuts consist of functions you have chosen to add to a list of shortcuts. The list is assigned to the right softkey.
- Predefined shortcuts
  - Predefined shortcuts are unchangeable and assigned to different keys on the handset for quick and easy navigation to frequently used menus.

## Personal Shortcuts

By adding specific functions to the list of shortcuts, you get quick access to functions you often use. The list is assigned to the right softkey.

Personal shortcuts can only be used when handset is on hook (idle).

In the following, you will find a description of how to add, use and remove personal shortcuts.



To add a shortcut:

- 1 While on hook, press **Shortcut** to enter the shortcut function.
- 2 Scroll to **Edit shortcuts** and press **Select**.
- 3 Scroll to the function you want to make a shortcut to.
- 4 Press **Select** to add the function to the list of personal shortcuts.

To use a shortcut:

- 1 While on hook, press **Shortcut** to enter the shortcut function.
- 2 Scroll to the desired shortcut and press **Select**.




To remove a shortcut:

- 1 While on hook, press **Shortcut** to enter the shortcut function.
- 2 Scroll to **Edit shortcuts** and press **Select**.
- 3 Scroll to the desired shortcut and press **Select** to remove the function from the list of shortcuts.

## Predefined Shortcuts

Predefined shortcuts are unchangeable and assigned to different keys.


In the following you will find a list of predefined shortcuts and a description of how to access and use them for quick and easy navigation to frequently used menus.

- **Call List:** While on hook, press (-) on the left side of the navigation key to enter call list.
  - Incoming calls are illustrated with green arrows
  - Outgoing calls are illustrated with blue arrows
  - Missed calls are illustrated with red arrows
- **Exit Menu:** When in menu, press **Exit**.
- **Phone Book Search:** While on or off hook, press  on the bottom of the navigation key.
- **Keypad Locked/Unlocked:** While on hook, press **Menu** followed by **\*** (Display shows the key lock icon  ) to lock/unlock keypad.
- **Missed Calls:** While on hook, press (+) on the right side of the navigation key to enter a list of missed calls.
- **Save Contact:** While on hook, enter number and press **Save**.
- **Silent On/Off:** Press **Menu** followed by **#** to turn the handset silent mode on/off. In silent mode the ringer will be muted and the vibrator activated (Display shows the silent icon  followed by the text **Silent mode on/off**, and a small icon is placed in status line).
- **Speed Dial:** While on hook, press digit equivalent to number of the contact in the speed dial list continuously until call is started.


## Chapter 3: Basic Handset Options

### *Turning Handset On/Off*

#### To turn handset on:

- Press  to turn handset on.

#### To turn handset off:

- 1 Press  until the question **Turn off?** appears in display.
- 2 Press **Yes** to confirm.

The handset will automatically turn on if connected to a charger.

It is not possible to turn off the handset if it is connected to a charger.

When you turn handset off, all content of call register and settings of time and date are deleted if the subscribed system does not resend the information to the handset.

### *Adjusting Speaker Volume*

Adjusting speaker volume can only be done when handset is off hook. The handset will remember the speaker volume until you make a new adjustment.

During a telephone conversation you can adjust the speaker volume at any time in relation to the noise level of the surrounding environment.

#### To turn speaking volume up:

- While off hook, press (+) on the navigation key to turn volume up.

#### To turn speaker volume down:


- While off hook, press (-) on the navigation key to turn volume down.

## *Locking/Unlocking Keypad*

Lock keypad to prevent keys from being accidentally pressed.




### **To lock/unlock keypad:**

- Press **Menu** followed by **★** to lock keypad.
- Press **Unlock** followed by **★** to unlock keypad.

To answer a call when keypad is locked, press . When you end the call, the keypad automatically locks.

## *Speakerphone On/Off*

### **To enable/disable speakerphone**

- While on a call, press  on the navigation key to enable speakerphone.
- To disable speakerphone, press .
- While idle, press  to hook off and to enable speakerphone.

## Chapter 4: Making Calls



The handset must be subscribed and registered to make a call.

### *Internal and External Calls*



For internal calls, dial extension number. Contact your system administrator for a list of these extension numbers.

For external calls, dial external code (or line pool code) to access an external line, then dial external number. Contact your system administrator to confirm what external code or line pool code to use.

#### **Off Hook Dialling (Dial Directly)**

- 1 Press  to get dial tone.
- 2 Dial the extension or external number.
- 3 Press  to terminate the call.





#### **On Hook Dialling (Pre-Dial)**

- 1 Dial the extension or external number.
- 2 Press  to make a call.
- 3 Press  to terminate the call.

#### **Dial from Phone Book**

The handset's local phone book is intuitive to operate. The find name function makes it easy to find a contact as you can jump directly to the desired contact using the quick search as described below.

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Phone Book** and press **Select**.
- 3 Scroll to **Find name** and press **Select**.
- 4 To find a name you can:
  - Scroll until you reach the desired name. To scroll through the names quickly press the navigation key continuously.
  - Use quick search by pressing the first letter(s) (max. 5 letters) of the desired name.


- 5 Press  to make a call.
- 6 If more than one number: scroll to the desired number and press .
- 7 The display icon  appears until call is connected.
- 8 Press  to terminate the call.

## Call List Calls

Call list shows up to 40 of your latest incoming, outgoing and missed calls. When memory of call list is full, the handset will automatically erase the oldest call when a new call is received in call list.

- Incoming calls are illustrated with green arrows
- Outgoing calls are illustrated with blue arrows
- Missed calls are illustrated with red arrows

### To dial from call list:

- 1 While on hook, press left side of navigation key to enter call list.
- 2 Scroll to the desired name or number and press .


When you turn off the handset, all content of call list is deleted if the subscribed system does not resend the information to the handset.

## Call Register Calls

The call register menu stores up to 40 of your incoming, outgoing and missed calls. The calls are classified in three groups: incoming calls, outgoing calls and missed calls.


If memory of call register is full, the handset will automatically erase the oldest call when a new call is received in call register.

### To Dial from Call Register List:

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Call register** and press **Select**.
- 3 Scroll to the desired list and press **Select**.
- 4 Scroll to the desired name or number and press .

When you turn off the handset, all content of call register is deleted if the subscribed system does not resend the information to the handset.

## Redial

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Call register** and press **Select**.
- 3 Scroll to **Outgoing calls** and press **Select**.
- 4 Scroll to the desired name or number and press .

## Speed Dial Calls

If you have assigned a number to one of the speed-dialing keys 0-9, do the following:

- While on hook, press digit equivalent to number of the contact in the speed dial list continuously until call is started.


## *Corporate Directory Calls*

To dial from the corporate directory list, the External Services in the handset menu must be selected.

External Services are features placed in the main system, and only available if the handset is subscribed to a Spectralink solution.


The corporate directory is a common phone book for all handsets subscribed to the actual system, and all handsets subscribed to the system are listed in this corporate directory. Additional numbers can be added to the phone book by the system administrator.


### To Dial from Corporate Directory List

- 1 Press **Menu** to enter the main menu.
- 2 Scroll to **External Services** and then press **Select**.
- 3 Press the left (-) or right (+) side of the navigation key to scroll to find the name or spell the name out using the keys (2-9).
- 4 When the desired name is displayed, press  to dial the number.

## Chapter 5: Answering Calls

The handset must be subscribed and registered to answer a call.

When handset rings, display shows the icon for incoming calls  and the caller information appears below if supported by the subscribed system.

- Press  to answer a call when your handset rings.

You can distinguish between an internal and external call by the ring tone. The ring tone of an internal call is followed by three short beeps (system dependent feature).

### *Auto Answer*

When auto answer is turned on, the handset automatically goes off hook when an incoming call arrives.

If subscribed to a wireless solution, the handset automatically goes on hook when calls are terminated.

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Settings** and press **Select**.
- 3 Scroll to **Auto answer** and press **Select**.
- 4 Scroll to **On** or **Off** and press **Change**.
- 5 Scroll to **Settings**, press **Change** and press **Select** to activate/deactivate loudspeaker.


When charging, auto answer is inactive.

## Call Options

### Mute a Call

- Press **Silence** and the ring signal is muted.

### End a Call

- Press  and the call is ended.

### Reject a Call


- Press **Reject** to refuse the call. The rejected call is registered as a missed call.

When subscribed to a Spectralink DECT Server 2500 or Spectralink 8000 it is not possible to reject an incoming call.

## Call Transfer

Call transfer is a system dependant feature.

### Call Transfer (Blind)



- 1 While on a call, press .

-OR-

While on a call, press **Hold** and then press **New call**.

- 2 Dial the extension or external number.
- 3 Press **Transfer** to send the call through and to hang up.


When subscribed to Spectralink DECT Server 2500 or Spectralink DECT Server 8000 do the following:

- 1 While on a call, press .
- 2 Dial the extension or external number.
- 3 Press  to send the call through and to hang up.

### Call Transfer (Attended)



- 1 While on a call, press .-OR-

While on a call, press **Hold** and then press **New call**.

- 2 Dial the extension or external number.
- 3 Press .
- 4 When the other caller answers, press **Transfer** to send the call through and to hang up.



When subscribed to Spectralink DECT Server 2500 or Spectralink DECT Server 8000 do the following:

- 1 While on a call, press .
- 2 Dial the extension or external number.
- 3 When the other caller answers, press  to send the call through and to hang up.



## Call Hold and Call Waiting

Call hold and call waiting are system dependant features.



### Call Hold


- 1 To place an active call on hold, press **Hold**.
- 2 To retrieve the call, press **Resume**.

When subscribed to Spectralink DECT Server 2500 or Spectralink DECT Server 8000 do the following:

- 1 To place an active call on hold, press .
- 2 To retrieve the call, press .

### Call Waiting




- 1 While on a call, press **Accept** to answer a second incoming call. The first call will automatically be put on hold.
- 2 To reject a second incoming call, press **Reject**.
- 3 To disconnect the active call and return to the waiting call, press .
- 4 To end both calls, press  twice.



- To swap between two calls, press .

-OR-

- To swap between two calls, press **Options**, scroll to **Swap Calls** and press **Select**.





When subscribed to Spectralink DECT Server 2500 or Spectralink DECT Server 8000 do the following:

- 1 While on a call, press  to answer a second incoming call. The first call will automatically be put on hold.
- 2 To reject a second incoming call, press the left side of the navigation key (-) for three seconds.
- 3 To disconnect the active call, press , and to return to the waiting call, press .

- 4 To end both calls, press .
- To swap between two calls, press .

## *Call Forward Unconditional*

Call Forward Unconditional is system dependent. If supported by the subscribed system, do the following:

- 1 To enable CFU press **\*21\*** followed by a number, then press **#**.
- 2 Press  to enable CFU. Confirmation in display and a tone indicates that the feature has been activated.
- 3 Press  to hang up.
- 4 To disable CFU, press **#21#**, then press .
- 5 Press  to hang up.

\*21\* code can be changed in the Spectralink DECT Server to fit your standard.




## Chapter 6: During Calls

When you are on a call, you have three options as described in the following. Two of the options concern whether you want to make parts of a call public or personal. It is possible to turn both of these options on at the same time. The last and third option is to enter and use the phone book, while you are on a call.

### *Turning Speakerphone On/Off*

Turning loudspeaker on allows other people in the room to listen to and participate in the conversation. You may set the handset on a desk or table and leave your hands free.

#### **To turn speakerphone on/off:**

- 1 While on a call, press  on the navigation key to enable speakerphone.
- 2 To disable speakerphone, press .
- 3 While idle, press  to hook off and to enable speakerphone.

#### **Turning Microphone Mute On/Off**

Turning microphone mute on will mute your voice. That is you can hear the other party but they cannot hear you.

- 1 While on a call, press **Mic Mute** to turn microphone mute on.
- 2 To turn microphone mute off, press **Mic on**.

### *Entering Phone Book*

While on a call, you can access the find name function to scroll through names and numbers using the up/down navigation key.

## Chapter 7: Using The Menu

The handset offers a range of functions that are grouped into menus. The main menu consists of seven menus: Phone Book, Call register, Messages, MSF Function, External services, Status and Settings.

If handset is in menu mode, and an incoming call arrives, then menu will be dropped and the call handled as usual. When call is terminated, the handset returns to menu mode.

### *Description of Menus*

In the following, you will find a short description of the seven menus.

#### **Phone Book**

You can store numbers and names in your phone book.

The phone book can store up to 50 names with up to four numbers each. A maximum of 24 digits, including spaces, is allowed for each number. Names are sorted alphabetically starting with their first character.

#### **Call Register**

The call register keeps track of all your recent calls as it stores up to 40 of your incoming, outgoing and missed calls.

#### **Messages**

If supported by the subscribed system, you can send and receive messages from the messages menu.

All messages are automatically stored in the inbox or outbox. Messages can store up to 8 messages. A maximum of 72 letters, including spaces, is allowed for each message.

#### **MSF Function**

MSF Function is a special function based on MSF (Message Service Function). The function requires special software in the main system.

#### **External Services**

To dial from the corporate directory list, the External Services in the handset menu must be selected.

External Services are features placed in the main system, and only available if the handset is subscribed to a Spectralink solution.

The corporate directory is a common phone book for all handsets subscribed to the actual system, and all handsets subscribed to the system are listed in this corporate directory. Additional numbers can be added to the phone book by the system administrator.

## Status

Status provides a quick overview of some of the handset settings and works as a shortcut, which makes it easy to change the basic settings according to your needs.

## Settings

Settings offer you the opportunity to customize the handset according to your needs. The settings can be changed at any time.

## List of Menu Functions

In the following you will find a list of the different menu functions. The list gives a quick overview where to find the desired function of the handset.

### Phone Book

- 1 Find name
- 2 Add name/number
- 3 Speed dial
- 4 Delete

### Call Register

- 1 Incoming calls
- 2 Outgoing calls
- 3 Missed calls
- 4 Delete

### Messages

- 1 New message
- 2 Inbox
- 3 Outbox
- 4 Erase messages
- 5 Templates

## MSF Function

### **1** Number

## External services

### Status

- 1** Silent
- 2** Auto answer
- 3** Battery
- 4** Ringing tone
- 5** Volume
- 6** General information

### Settings

- 1** Ringing volume
- 2** Ringing tone
- 3** Alerting volume
- 4** Vibrator
- 5** Silent mode
- 6** Auto key lock
- 7** Backlight
- 8** Auto answer
- 9** Out of range
- 10** Advanced...

## Chapter 8: Phone Book

You can store numbers and names in your phone book.

The phone book can store up to 50 names with four numbers each. A maximum of 24 digits, including spaces, is allowed for each number. Names are sorted alphabetically starting with their first character.

If the display shows **Memory full**, it is necessary to delete one or more names from the phone book.

### *Using the Alphanumeric Keyboard*

The normal dialling keys (0-9) are used for writing the name to be placed in the phone book. By pressing the keys a certain number of times the related letters will appear in the display.

Spaces are made by using the 0 -key.

Key **★** changes between uppercase and lowercase letters, which is indicated on the top left-hand corner of the display.

Pressing left (-) or right (+) side of navigation key will move the cursor.

To delete letters, place cursor behind letter and press **Delete**.

### *Managing an Existing Contact*


The phone book menu offers a range of possibilities to manage existing contacts and makes it easy to add, edit or delete name and number.

It is possible to add up to four numbers to a contact.

#### **Finding Contact in Phone Book**

The handset's local phone book is intuitive to operate. The find name function makes it easy to find a contact as you can jump directly to the desired contact using the quick search as described below.

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Phone Book** and press **Select**.
- 3 Scroll to **Find name** and press **Select**.
- 4 To find a name you can:

- Scroll until you reach the desired name. To scroll through the names quickly press the navigation key continuously.
  - Use quick search by pressing the first letter(s) (max. 5 letters) of the desired name.
- 5** It is also possible to reach **Find name** option by pressing  on the bottom of the navigation key.

### Editing Name/Number

You can edit name and number of a contact in phone book at any time.

- 1** Press **Menu** to enter main menu.
- 2** Scroll to **Phone Book** and press **Select**.
- 3** Scroll to **Find name** and press **Select**.
- 4** To find a name you can:
  - Scroll until you reach the desired name. To scroll through the names quickly press the navigation key continuously.
  - Use quick search by pressing the first letter(s) (max. 5 letters) of the desired name.
- 5** Press **Details**.
- 6** If more than one number: scroll to the desired number and press **Select**.
- 7** Scroll to **Edit name/number** and press **Select**.
- 8** Edit **Name** using the digits 0-9.
- 9** Scroll to **Number** and edit number using the digits 0-9.
- 10** Press **Save** to store your changes.

### Adding New Number

You can add a new number to a contact in phone book at any time. It is possible to add up to four numbers to each contact.

- 1** Press **Menu** to enter main menu.
- 2** Scroll to **Phone Book** and press **Select**.
- 3** Scroll to **Find name** and press **Select**.
- 4** To find a name you can:
  - Scroll until you reach the desired name. To scroll through the names quickly press the navigation key continuously.
  - Use quick search by pressing the first letter(s) (max. 5 letters) of the desired name.
- 5** Press **Details**.
- 6** If more than one number, press **Select**.
- 7** Scroll to **Add new number** and press **Select**.



- 8 Enter the new number using the digits 0-9 and press **Save**.
- 9 Repeat step 7-8 to add another number to the contact.

### Adding to Speed Dial

You can assign a number to one of the speed-dialing keys 0-9. This way you only need to press a single digit to find name and number of the contact, you want to phone.

A maximum of 10 speed dial numbers is allowed.

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Phone Book** and press **Select**.
- 3 Scroll to **Find name** and press **Select**.
- 4 To find a name you can:
  - Scroll until you reach the desired name. To scroll through the names quickly press the navigation key continuously.
  - Use quick search by pressing the first letter(s) (max. 5 letters) of the desired name.
- 5 Press **Details**.
- 6 If more than one number: scroll to the desired number and press **Select**.
- 7 Scroll to **Add to speed dial** and press **Select**.
- 8 Scroll to the desired position and press **Add name**.
- 9 If position is occupied, press **Yes** to replace existing speed dial.

### Deleting Number

You can delete a single number at any time and still keep the rest of the belonging numbers of a contact.

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Phone Book** and press **Select**.
- 3 Scroll to **Find name** and press **Select**.
- 4 To find a name you can:
  - Scroll until you reach the desired name. To scroll through the names quickly press the navigation key continuously.
  - Use quick search by pressing the first letter(s) (max. 5 letters) of the desired name.
- 5 Press **Details**.
- 6 If more than one number: scroll to the desired number and press **Select**.
- 7 Scroll to **Delete number** and press **Select**.
- 8 Press **Ok** to confirm.

## Deleting Speed Dial

Use this function to delete a speed dial number, or replace it with a new speed dial when necessary.

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Phone Book** and press **Select**.
- 3 Scroll to **Delete** and press **Select**.
- 4 Scroll to **Speed dial number** and press **Select**.
- 5 Scroll to the desired speed dial number and press **Delete**.

## Deleting Contact

Use the delete name and number function if you want to delete a contact and all the belonging numbers.

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Phone Book** and press **Select**.
- 3 Scroll to **Find name** and press **Select**.
- 4 To find a name you can:
  - Scroll until you reach the desired name. To scroll through the names quickly press the navigation key continuously.
  - Use quick search by pressing the first letter(s) (max. 5 letters) of the desired name.
- 5 Press **Details**.
- 6 If more than one number, press **Select**.
- 7 Scroll to **Delete name/number** and press **Select**.
- 8 Press **OK** to confirm.

## Adding New Contact (max 50)

Use the Add name/number function when you want to add a new contact to phone book. It is possible to add up to four numbers to a contact.

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Phone Book** and press **Select**.
- 3 Scroll to **Add name/number** and press **Select**.
- 4 Type the name of the contact using the digits 2-9.
- 5 Scroll to number and enter the number to be stored (max. 24 digits).
- 6 Press **Save** to store name and number.

If display shows **Memory full**, it is necessary to delete one or more contacts from phone book.

## Chapter 9: Call Register

The call register menu can store up to 40 of your incoming, outgoing and missed calls. Call register is divided into lists of: incoming calls, outgoing calls and missed calls.

If memory of call register is full, the handset will automatically erase the oldest call when a new call is received in call register.

When you turn off the handset, all content of call register is deleted if the subscribed system does not resend the information to the handset.

### *Incoming Calls*

Incoming call is a list of all your incoming calls sorted by date and time of the call, starting with the latest call.

If name and number of incoming call already exists in your phone book, the incoming call will be represented with the name of the contact. If name and number do not exist in your phone book, the handset cannot recognize the number and the incoming call will only be represented by the number.

In both cases, incoming call register provides details about incoming calls, such as time, date and length of conversation.

It is possible to add name and number of an incoming call to phone book or to delete an incoming call from the list.

#### Viewing List of Incoming Calls

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Call register** and press **Select**.
- 3 Scroll to **Incoming calls** and press **Select**.

#### Adding an Incoming Call to Phone Book

If you have an incoming call and the number is not in phone book it is possible to add it to phone book from the incoming call list.

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Call register** and press **Select**.
- 3 Scroll to **Incoming calls** and press **Select**.
- 4 Scroll to the desired call and press **Details**.

- 5 Press **Options**.
- 6 Scroll to **Add to phone book** and press **Select**
- 7 Write the name of the contact using the digits 0-9 and press **Save**.

### Deleting an Incoming Call from List

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Call register** and press **Select**.
- 3 Scroll to **Incoming calls** and press **Select**.
- 4 Scroll to the desired call and press **Details**.
- 5 Press **Options** and scroll to **Delete from list**.
- 6 Press **Select** to confirm.

## Outgoing Calls

Outgoing calls is a list of all your outgoing calls sorted by date and time of the call, starting with the latest call.

If name and number of the outgoing call already exists in your phone book, the outgoing call will be represented with the name of the contact. If name and number do not exist in your phone book, the handset cannot recognize the number and the outgoing call will only be represented by the number.

In both cases, outgoing call register provides details about outgoing calls, such as time, date and length of conversation.

It is possible to add name and number of an outgoing call to your phone book, or to delete an outgoing call from the list.

### Viewing List of Outgoing Calls

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Call register** and press **Select**.
- 3 Scroll to **Outgoing calls** and press **Select**.

### Adding an Outgoing Call to Phone Book

If you have made a call and the number is not in phone book, it is possible to add it to phone book from the outgoing call list.

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Call register** and press **Select**.
- 3 Scroll to **Outgoing calls** and press **Select**.

- 4 Scroll to the desired call and press **Details**.
- 5 Press **Options**.
- 6 Scroll to **Add to phone book** and press **Select**.
- 7 Write the name of the contact using the digits 0-9 and press **Save**.

### Deleting an Outgoing Call from List

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Call register** and press **Select**.
- 3 Scroll to **Outgoing calls** and press **Select**.
- 4 Scroll to the desired call and press **Details**.
- 5 Press **Options** and scroll to **Delete from list**.
- 6 Press **Select** to confirm.

## Missed Calls

Missed calls is a list of all your missed calls sorted by date and time of the call, starting with the latest call.

If the name and number of the missed call already exists in your phone book, the missed call will be represented with the name of the contact. If the name and number do not exist in your phone book, the handset cannot recognize the number and the missed call will only be represented by the number.

In both cases, missed call register provides details about missed calls, such as time, date and length of conversation.

It is possible to add name and number of a missed call to your phone book or to delete a missed call from the list.

### Viewing List of Missed Calls

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Call register** and press **Select**.
- 3 Scroll to **Missed calls** and press **Select**.

### Adding a Missed Call to Phone Book

If you have a missed call and the number is not in phone book, it is possible to add it to phone book from the missed call list.

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Call register** and press **Select**.

- 3 Scroll to **Missed calls** and press **Select**.
- 4 Scroll to the desired missed call and press **Details**.
- 5 Press **Options**.
- 6 Scroll to **Add to phone book** and press **Select**.
- 7 Write the name of the contact using the digits 0-9 and press **Save**.

### Deleting a Missed Call from List

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Call register** and press **Select**.
- 3 Scroll to **Missed calls** and press **Select**.
- 4 Scroll to the desired missed call and press **Details**.
- 5 Press **Options** and scroll to **Delete from list**.
- 6 Press **Select** to confirm.

## Delete

The call register menu can store up to 40 of your incoming, outgoing and missed calls. If the memory of call register is full, the handset will automatically erase the oldest call when a new call need to be stored in the call register.

If you want to erase manually, use the following delete functions to empty lists in the call register.

### Deleting All Incoming Calls

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Call register** and press **Select**.
- 3 Scroll to **Delete** and press **Select**.
- 4 Scroll to **Incoming calls** and press **Select**.
- 5 Press **Yes** to empty list.

### Deleting All Outgoing Calls

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Call register** and press **Select**.
- 3 Scroll to **Delete** and press **Select**.
- 4 Scroll to **Outgoing calls** and press **Select**.
- 5 Press **Yes** to empty list.

### Deleting All Missed Calls

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Call register** and press **Select**.
- 3 Scroll to **Delete** and press **Select**.
- 4 Scroll to **Missed calls** and press **Select**.
- 5 Press **Yes** to empty list.

### Deleting All Calls from All Lists

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Call register** and press **Select**.
- 3 Scroll to **Delete** and press **Select**.
- 4 Scroll to **All calls** and press **Select**.
- 5 Press **Yes** to empty all folders.

# Chapter 10: Messages

If supported by the subscribed system, you can write, send and receive messages from the messages menu. You write messages using the alphanumeric keyboard.

## *About Messages*

All messages are automatically stored in inbox or outbox.

The inbox is a list of all received messages, while outbox is a list of all sent messages. Both lists are sorted by time and date, starting with the latest.

If the name and number of the message already exists as a contact in your phone book, the message in the inbox or outbox will be represented with the name of the contact. If the name and number do not exist in your phone book, the handset cannot recognize the number and the message will only be represented by the number.

If you save a message in outbox for later handling, the message will be represented by the beginning of the text message.


Inbox and outbox can store up to 8 messages in total. A maximum of 72 letters, including spaces, is allowed for each message.

If the memory of inbox and outbox is full, the handset will automatically erase the oldest message when a new message needs to be stored.

## **Writing and Sending a New Message**

- 1** Press **Menu** to enter main menu.
- 2** Scroll to **Messages** and press **Select**.
- 3** Scroll to **New message** and press **Select**.
- 4** Write a message.
- 5** Optionally, you can use a template: Press **Options**, scroll to **Use template**, press **Select**, scroll to desired template, press **Options**, scroll to **Select** and press **Select**.
- 6** Press **Options** and scroll to **Send**.
- 7** Press **Select** and then press **Search** to find the receiver.
- 8** To find a name you can:
  - Scroll until you reach the desired name. To scroll through the names quickly press the navigation key continuously.
  - Use quick search by pressing the first letter(s) (max. 5 letters) of the desired name.



- 9 Press **Select**.
- 10 If more than one number: scroll to desired number.
- 11 Press **Select** and then press **Send**.
- 12 When the message has been sent, the envelope icon  will appear. Press **Ok** to accept.

### Clearing Text Field

Use the clear text function, when you are writing a new message and want to start all over.

- 1 Press **Options**.
- 2 Scroll to **Clear text** and press **Select**.

### Saving a New Message in Outbox

You can write a message and then save it in outbox for later handling.

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Messages** and press **Select**.
- 3 Scroll to **New message** and press **Select**.
- 4 Write a message and press **Options**.
- 5 Scroll to **Save message** and press **Select**.
- 6 Scroll to **Outbox** and press **Select**.

### Saving a New Message as a Template

After writing a message you can save it as a template for later use.

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Messages** and press **Select**.
- 3 Scroll to **New message** and press **Select**.
- 4 Write a message and press **Options**.
- 5 Scroll to **Save message** and press **Select**.
- 6 Scroll to **Templates** and press **Select**.
- 7 If memory is full: press **Ok**.
- 8 Scroll to the desired position and press **Select**.

### Saving a Received Message as a Template

You can save a message from inbox as a template for later use.

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Messages** and press **Select**.

- 3 Scroll to **Inbox** and press **Select**.
- 4 Scroll to desired message and press **Select**.
- 5 Press **Options**.
- 6 Scroll to **Forward** and press **Select**.
- 7 Press **Options**.
- 8 Scroll to **Save message** and press **Select**.
- 9 Scroll to **Templates** and press **Select**.

## *Sending Messages Using Templates*

You can create up to 8 templates in relation to the kind of message you often need to send.

When using a template in a message you have two options:

- Use a template from the very beginning of the process (see below).
- Insert a template in a message when you are in the process of writing a message.

### **To use a template in a message:**

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Messages** and press **Select**.
- 3 Scroll to **Templates** and press **Select**.
- 4 Scroll to the desired template and press **Option**.
- 5 Scroll to **Select** and press **Select**.
- 6 If relevant, write additional text.
- 7 Press **Options**.
- 8 Scroll to **Send** and press **Select**.
- 9 Press **Search** to find the receiver.
- 10 To find a name you can:
  - Scroll until you reach the desired name. To scroll through the names quickly press the navigation key continuously.
  - Use quick search by pressing the first letter(s) (max. 5 letters) of the desired name.
- 11 Press **Select**.
- 12 If more than one number: scroll to desired number.
- 13 Press **Select** and then press **Send**.


## Reading a Message

In addition to the messages for general use as described in this chapter, you can receive other types of messages. These types of messages cannot be sent from your handset, but are sent from an external application. The external applications may vary from system to system. For more information, please contact your system administrator.

Examples of messages sent from an external application are:

- Messages can have up to a length of 72 characters and are saved in the inbox of the handset. If supported by the subscribed system, you can also write and send this type of messages from your handset.
- Call back messages - also contain contact information.

In the following, you will find a description of how to read the messages.


The envelope icon , the text message and the contact information (if available) will appear in the display when you receive a message. Scroll up and down pressing top or bottom of the navigation key to read the entire message.

### To remove the message form the display:

- Press **OK**.

The message is stored in inbox.

### To act on the call back message:

- Press  to call the call back number in the message.

### To delete the call back message:

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Messages** and press **Select**.
- 3 Scroll to **Inbox** and press **Select**.
- 4 Scroll to the desired call back message and press **Select**.
- 5 Press **Options**.
- 6 Scroll to **Erase** and press **Select**.
- 7 Click **Yes** to “**Erase message?**”

## Replying to a Message

When you want to reply to a message from your inbox, you have three options:

- Write a new message in an empty screen
- Write in continuation of original text (received message)
- Insert a template

### Reply Using an Empty Screen

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Messages** and press **Select**.
- 3 Scroll to **Inbox** and press **Select**.
- 4 Scroll to the desired received message and press **Select**.
- 5 Press **Options**.
- 6 Scroll to **Reply** and press **Select**.
- 7 Scroll to **Empty screen** and press **Select**.
- 8 Write a message and press **Options**.
- 9 Scroll to **Send** and press **Select**.
- 10 Press **Send**.

### Reply in Continuation of Original Text

Original text refers to the received text message.

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Messages** and press **Select**.
- 3 Scroll to **Inbox** and press **Select**.
- 4 Scroll to the desired received message and press **Select**.
- 5 Press **Options**.
- 6 Scroll to **Reply** and press **Select**.
- 7 Scroll to **Original text** and press **Select**.
- 8 Write a message in continuation of received message and press **Options**.
- 9 Scroll to **Send** and press **Select**.
- 10 Press **Send**.

### Reply Using a Template

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Messages** and press **Select**.
- 3 Scroll to **Inbox** and press **Select**.
- 4 Scroll to the desired message and press **Select**.

- 5 Press **Options**.
- 6 Scroll to **Reply** and press **Select**.
- 7 Scroll to **Template** and press **Select**.
- 8 Scroll to the desired template and press **Options**.
- 9 Scroll to **Select** and press **Select**.
- 10 If relevant, write additional text.
- 11 Press **Options**.
- 12 Scroll to **Send** and press **Select**. Then press **Send**.

### Forwarding a Message

If you want to forward a message to a contact, do the following:

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Messages** and press **Select**.
- 3 Scroll to **Inbox** and press **Select**.
- 4 Scroll to the desired received message and press **Select**.
- 5 Press **Options**.
- 6 Scroll to **Forward** and press **Select**.
- 7 Press **Option** and then press **Send**.
- 8 Press **Search** to find the receiver.
- 9 To find a name you can:
  - Scroll until you reach the desired name. To scroll through the names quickly press the navigation key continuously.
  - Use quick search by pressing the first letter(s) (max. 5 letters) of the desired name.
- 10 Press **Select**.
- 11 If more than one number: scroll to desired number.
- 12 Press **Select** and then press **Send**.

### Resending a Message

If you want to resend a message to a contact, do the following:

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Messages** and press **Select**.
- 3 Scroll to **Outbox** and press **Select**.
- 4 Scroll to the desired message and press **Select**.
- 5 Press **Options**.

- 6 Scroll to **Resend** and press **Select**.
- 7 Press **Options**.
- 8 Scroll to **Send** and press **Select**.
- 9 Press **Send**.

### Erasing a Single Template

Use this function to delete a template, or replace the template with a new template when the memory is full.

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Messages** and press **Select**.
- 3 Scroll to **Templates** and press **Select**.
- 4 Scroll to the desired template and press **Options**.
- 5 Scroll to **Erase** and press **Select**.
- 6 Press **Yes** to “**Erase message?**”

### Erasing a Single Message

The handset will automatically erase the oldest message when the memory of inbox and outbox is full.

If you want to delete a message manually, do the following:

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Messages** and press **Select**.
- 3 Scroll to **Inbox** or **Outbox** and press **Select**.
- 4 Scroll to the desired message and press **Select**.
- 5 Press **Options**.
- 6 Scroll to **Erase** and press **Select**.
- 7 Press **Yes** to **Erase message?**”

### Erase All Read Messages from Inbox

Use this function to erase all read messages from inbox. This way you do not risk erasing messages that you have not had time to read yet.

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Messages** and press **Select**.
- 3 Scroll to **Erase messages** and press **Select**.
- 4 Scroll to **All read** and press **Select**.
- 5 Press **Yes** to “**Erase all read messages from Inbox?**”

### Erase All Messages from Inbox

Use this function to erase all messages from inbox.

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Messages** and press **Select**.
- 3 Scroll to **Erase messages** and press **Select**.
- 4 Scroll to **Inbox** and press **Select**.
- 5 Press **Yes** to “**Erase all messages from Inbox?**”

### Erase All Messages from Outbox

Use this function to erase all messages from your outbox.

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Messages** and press **Select**.
- 3 Scroll to **Erase messages** and press **Select**.
- 4 Scroll to **Outbox** and press **Select**.
- 5 Press **Yes** to “**Erase all messages from Outbox?**”

### Erase All Messages

Use this function to erase all messages from inbox and outbox.

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Messages** and press **Select**.
- 3 Scroll to **Erase messages** and press **Select**.
- 4 Scroll to **All** and press **Select**.
- 5 Press **Yes** to “**Erase all messages from all folders?**”

# Chapter 11: Status

The status menu provides an overview of some of the handset settings and works as a shortcut to these making it easy to change the settings according to your needs. The status menu also provides information about battery capacity.

In the following you will find a description of the settings to be found in the status menu.

## *Silent*

When silent mode is turned on, the handset will not ring when a call arrives. However, you will still be able to see the arriving call in the display.

## *Auto Answer*

When auto answer is turned on, the handset automatically goes off hook when ringing.

If subscribed to a wireless solution, the handset automatically goes on hook when calls are terminated.

## *Battery*

The battery function shows remaining battery capacity.

The indication on the display is not necessarily an exact reflection of the remaining speech time, but only an indication of the voltage on the battery.

### **To check remaining battery capacity:**

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Status** and press **Select**.

## *Ringer Tone*

The ring tone is followed by a number indicating the chosen tone of the ringer.

You can distinguish between an internal and external call by the ring tone. The ring tone of an internal call is followed by three short beeps (system dependent feature).



## *Volume*

Adjusts ringing volume according to the noise level of the surrounding environment.

## *General Information*

General handset information about:

- IPEI number of the handset
- Software version
- Hardware version
- Part number (item number)
- Product ID (P-ID)
- Regulatory model number (if available)

## Chapter 12: Settings

The setting menu offers you the opportunity to customize the handset according to your needs. The settings can be changed at any time. The setting menu consists of: Ringing volume, Ringing tone, Alerting volume, Vibrator, Silent mode, Auto key lock, Backlight, Auto answer, Out of range and Advanced settings.

Advanced settings are described separately in the next chapter.

In the following you will find a description of how to customize the handset.

### *Ringling Volume*

**To adjust the volume of the ring tone:**

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Settings** and press **Select**.
- 3 Scroll to **Ringling volume** and press **Select**.
- 4 Press left (-) or right (+) side of navigation key to adjust the volume of the ring tone.
- 5 Press **Set**.

### *Ringling Tone*

The ring tone is followed by a number indicating the chosen tone of the ringer.

You can distinguish between an internal and external call by the ring tone. The ring tone of an internal call is followed by three short beeps (system dependent feature).

**To choose a new ring tone:**

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Settings** and press **Select**.
- 3 Scroll to **Ringling tone** and press **Select**.
- 4 Scroll to the desired ring tone and press **Change** to select and listen to the chosen ring tone. Repeat the process if you want to choose and listen to other ring tones.

## *Alerting Volume*

Alerts are short beeps that appear when:

- You receive a new message.
- You send a message.
- The handset is moving out of range.
- The handset is out of range.
- The battery capacity is low.
- You create a login.

### **To adjust alerting volume:**

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Settings** and press **Select**.
- 3 Scroll to **Alerting volume** and press **Select**.
- 4 Press the left (-) or right (+) side of the navigation key to adjust the volume of the ringer.
- 5 Press **Set**.

## *Vibrator*

When vibrator is turned on, the handset will vibrate when an incoming call arrives.

### **To turn vibrator on/off:**

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Settings** and press **Select**.
- 3 Scroll to **Vibrator** and press **Select**.
- 4 Scroll to **On** or **Off** and press **Change**.

When charging, handset will not vibrate.

## *Silent Mode*

When silent mode is turned on, the handset will not ring when a call arrives. However, you will still be able to see the arriving call in the display.

### **To turn silent mode on/off:**

- 1 Press **Menu** to enter main menu.

- 2 Scroll to **Settings** and press **Select**.
- 3 Scroll to **Silent mode** and press **Select**.
- 4 Scroll to **On** or **Off** and press **Change**.

It is also possible to turn Silent mode on or off without entering menu. While on hook, press **Menu** followed by **#**. In silent mode the ringer will be muted and the vibrator activated.

When activating silent mode, the vibrator will spin shortly.

## Changing Silent Mode Settings

When silent mode is turned on, you can select other ways of indicating incoming calls or messages:

- Display flashing
  - When turned on, the display will flash when an incoming call or message arrives.
- Vibrator
  - When turned on, the handset will vibrate when an incoming call or message arrives.
- Short ring
  - When turned on, a short ring will appear when an incoming call arrives.

To change settings of silent mode:

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Settings** and press **Select**.
- 3 Scroll to **Silent Mode** and press **Select**.
- 4 Scroll to **Settings** and press **Change**.
- 5 Scroll to the desired setting and press **Select**.

## Auto Key Lock

Use auto key lock to prevent keys from being accidentally pressed.

With auto keylock turned on the handset will automatically lock keypad after 30 seconds. To manually lock/unlock keypad, press **Menu** followed by **★**.

To turn auto key lock on/off:

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Settings** and press **Select**.
- 3 Scroll to **Auto key lock** and press **Select**.
- 4 Scroll to **On** or **Off** and press **Change**.

To answer a call when auto key lock is on, press . When you end the call, keypad automatically locks.

## *Backlight*

The display backlight automatically turns on when an incoming call or message arrives, or a key is pressed.

The backlight turns off when handset is in standby mode after a preset period of time delay.

### Setting Backlight at Dimmed

When setting display backlight at dimmed, display information can still be seen vaguely when handset is in standby mode.

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Settings** and press **Select**.
- 3 Scroll to **Backlight** and press **Select**.
- 4 Scroll to **Dimmed** and press **Change**.

### Turning Backlight Off

Turning display backlight off when handset is in standby mode will save battery power.

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Settings** and press **Select**.
- 3 Scroll to **Backlight** and press **Select**.
- 4 Scroll to **Off** and press **Change**.

### Adjusting Backlight Delay

You can adjust the period of time before backlight turns off when handset is in standby mode.

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Settings** and press **Select**.
- 3 Scroll to **Backlight** and press **Select**.
- 4 Scroll to **Delay** and press **Change**.
- 5 Press left (-) and right (+) side of navigation key to adjust backlight delay.
- 6 Press **Set**.

## *Auto Answer*

When auto answer is turned on, the handset automatically goes off hook when an incoming call arrives.

If subscribed to a wireless solution, the handset automatically goes on hook when calls are terminated.

- 1 To turn auto answer on/off:
- 2 Press **Menu** to enter main menu.
- 3 Scroll to **Settings** and press **Select**.
- 4 Scroll to **Auto answer** and press **Select**.
- 5 Scroll to **On** or **Off** and press **Change**.

When charging, auto answer is inactive.

### **Changing Settings of Auto Answer**

When auto answer is turned on, you can select if the handset should automatically go off hook and turn on the loudspeaker.

To change settings of auto answer:

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Settings** and press **Select**.
- 3 Scroll to **Auto answer** and press **Select**.
- 4 Scroll to **Settings** and press **Change**.
- 5 Scroll to the desired setting and press **Select**.

## *Out of Range*

The out of range indicator appears when handset is moving out of or already is out of range of base station.

When the handset has been outside the coverage area, it can take up to 30 seconds before the handset is back on the system after re-entering coverage area.

**To turn out of range on/off:**



- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Settings** and press **Select**.
- 3 Scroll to **Out of range** and press **Select**.
- 4 Scroll to **On** or **Off** and press **Change**.

## Changing Settings of Out of Range

The handset offers two types of out of range alerts:

- Icon only
- Tone (beep) + icon

With the out of range indicator turned on:

- If handset is moving out of range, the low signal icon  will appear in display.
- If the handset gets out of range, the no signal icon  will appear in display. If tone + icon is selected, beeps will appear with short intervals as long as the handset is out of range.

To change Out of Range Settings:

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Settings** and press **Select**.
- 3 Scroll to **Out of range** and press **Select**.
- 4 Scroll to **Settings** and press **Change**.
- 5 Scroll to the desired alert and press **Select**.

## Advanced...

In the setting menu it is also possible to define the following advanced settings: Language, Any Key Answer, Long Key, Login and Time& Date.

### Language

There are 14 predefined languages in the handset: Czech, Danish, German, English, Spanish, French, Italian, Dutch, Norwegian, Polish, Portuguese, Russian, Finnish and Swedish.

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Settings** and press **Select**.
- 3 Scroll to **Advanced** and press **Select**.
- 4 Scroll to **Language** and press **Select**.
- 5 Scroll to the desired language and press **Select**.

### Any Key Answer

When turned on, you can answer a call by pressing any key.

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Settings** and press **Select**.
- 3 Scroll to **Advanced** and press **Select**.

- 4 Scroll to **Any key answer** and press **Select**.
- 5 Scroll to **On** or **Off** and press **Change**.

## Long Key

The long key function supports system features and defines a long key press to digits between 0-9. The long key press can be defined as speed dials or as MSF messages. MSF messages are system dependent. If supported by the subscribed system, a MSF message sent to the system could for example return system features to the handset.

To Change Long Key definition:

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Settings** and press **Select**.
- 3 Scroll to **Advanced** and press **Select**.
- 4 Scroll to **Long key** and press **Select**.
- 5 Scroll to desired definition and press **Change**.

## Login

Before you can use the registered handset it is necessary to subscribe the handset to a system (login). The handset can be subscribed to up to 2 different systems.

### Selecting a Login

If you want to change to another system manually, do the following:

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Settings** and press **Select**.
- 3 Scroll to **Advanced** and press **Select**.
- 4 Scroll to **Login** and press **Select**.
- 5 Scroll to **Select Login** and press **Select**.
- 6 Scroll to the desired login and press **Select**.

### Removing a Login

Logins can be removed from the system in use and from the other system (if connected).

Removing a login requires a password. Password is factory set at 0000.

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Settings** and press **Select**.
- 3 Scroll to **Advanced** and press **Select**.



- 4 Scroll to **Login** and press **Select**.
- 5 Scroll to **Remove login** and press **Select**.
- 6 Scroll to the desired login and press **Select**.
- 7 Enter your password and press **Ok**.
- 8 If the system in use is removed, it is necessary to select one of the remaining systems or to subscribe to a new one.

If one of the systems not chosen is removed, the handset remains connected to the system in use.

## Creating a Login

To create a login, the system must allow subscriptions to be made. Some systems also require an Authentication Code (AC). If more than one system currently permits subscription, you will need to know the ID of the system to which you want to subscribe. Authentication Codes and system ID's will be provided by the system administrator.

You can subscribe up to 2 systems, that is create 2 logins.

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Settings** and press **Select**.
- 3 Scroll to **Advanced** and press **Select**.
- 4 Scroll to **Login** and press **Select**.
- 5 Scroll to **Create login** and press **Select**. The handset will start searching for a system.
- 6 Scroll to the found system and press **Select**.
- 7 If required, enter an AC Code and press **Ok** to connect to the system.
- 8 Press **Ok**.

If the handset is already subscribed to 2 systems, you will have to remove a subscription before creating a new subscription.

## Selecting Login Automatically

When auto login is turned on, the handset automatically changes to another system when necessary. Auto login should only be used when systems are separate, with no overlaps.

To activate auto login your handset must be subscribed to at least two systems.

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Settings** and press **Select**.
- 3 Scroll to **Advanced** and press **Select**.
- 4 Scroll to **Login** and press **Select**.
- 5 Scroll to **Auto login** and press **Select**.
- 6 If **Off** is selected, press **Change** to select **On**.

The handset automatically selects a system. The selected system is marked with an A.

## Time & Date

When you turn off the handset, the settings of time are deleted if the subscribed system does not resend the information to the handset.

### Choose Time Format

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Settings** and press **Select**.
- 3 Scroll to **Advanced** and press **Select**.
- 4 Scroll to **Time & date** and press **Select**.
- 5 Scroll to **Time format** and press **Select**.
- 6 Scroll to desired time format and press **Change**.

### Choose Date Format

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Settings** and press **Select**.
- 3 Scroll to **Advanced** and press **Select**.
- 4 Scroll to **Time & date** and press **Select**.
- 5 Scroll to **Date format** and press **Select**.
- 6 Scroll to desired date format and press **Change**.

### Change Time

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Settings** and press **Select**.
- 3 Scroll to **Advanced** and press **Select**.
- 4 Scroll to **Time & date** and press **Select**.
- 5 Scroll to **Change time** and press **Select**.
- 6 Place cursor on the digit, you want to change.
- 7 Press a digit. The cursor will then automatically jump to the next digit.
- 8 Press **Change**.

### Change Date


- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Settings** and press **Select**.
- 3 Scroll to **Advanced** and press **Select**.

- 4 Scroll to **Time & date** and press **Select**.
- 5 Scroll to **Change date** and press **Select**.
- 6 Scroll to desired date format and press **Change**.
- 7 Place cursor on the digit, you want to change.
- 8 Press a digit. The cursor will then automatically jump to the next digit.
- 9 Press **Change**.

# Chapter 13: General Information

## *Troubleshooting*

### **The handset freezes.**

- Remove and replace batteries. Press  to turn on the handset.

### **The handset does not ring.**

- Check whether **Silent mode** is turned **On**.

### **The handset cannot find a system ID at Create Login.**

- Check whether the system is set to allow subscriptions.

### **The handset cannot subscribe even if system ID has been found.**

- Check if Authentication Code is necessary.

### **Not possible to turn on the handset.**

- Check if batteries are connected. If yes, charge the batteries.

### **The handset turns off when receiving a call and going off-hook.**

- Charge the batteries. If still a problem change the batteries as they might be defective.

## *Information*

### **Error information**

Improper function of the handset might be related to the infrastructure to which the handset is connected to.

Before declaring a handset for repair be sure that the main system is operating properly.

## Technical Specification

### Approvals

Access profile: EN 300 444 V1.4.1:2002

EMC: EN 301 489 - 1: Version 1.6.1

EN 301 489 - 6: Version 1.2.1

Radio: EN 301 406 V1.5.1

Safety: EN 60950 - 1:2006

### Size and weight

Size: 150 x 50 x 20 mm/5.9 x 1.96 x 0.78 in

Weight: 105 gr/3.55 oz incl. batteries

### Capacity

Active talking time up to 15 hours


Stand-by time up to 150 hours

### Temperature and air pressure

Operating temperature incl. charging: 0-40°C/32-104°F

## International Regulatory and Product Information

**Table 1** CE

	<p>This Spectralink Butterfly has been marked with the CE mark. This mark indicates compliance with EEC Directive 1999/5/EC. A full copy of the Declaration of conformity can be obtained from Spectralink Europe ApS, Langmarksvej 34, 8700 Horsens</p>
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**Table 2** 1999/5/EF

Cesky [Czech]:	Spectralink tímto prohlašuje, že tento Spectralink Butterfly je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ES.
Dansk [Danish]:	Undertegnede Spectralink erklærer herved, at følgende udstyr Spectralink Butterfly overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.
Deutsch [German]:	Hiermit erkläre Spectralink, dass sich das Gerät Spectralink Butterfly in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 1999/5/EG befindet.


**Table 2** 1999/5/EF

Eesti [Estonian]:	Käesolevaga kinnitab Spectralink seadme Spectralink Butterfly vastavust direktiivi 1999/5/EÜ põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.
English:	Hereby, Spectralink. declares that this Spectralink Butterfly is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.
Español [Spanish]:	Por medio de la presente Spectralink declara que el Spectralink Butterfly cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE.
Ελληνική [Greek]:	ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ Spectralink ΔΗΛΩΝΕΙ ΟΤΙ Spectralink Butterfly ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/ΕΚ.
Français [French]:	Par la présente Spectralink déclare que l'appareil 7710/7720/7740 Handset est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE.
Italiano [Italian]:	Con la presente Spectralink dichiara che questo Spectralink Butterfly è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.
Íslenska (Icelandic):	Hér með lýsir Spectralink yfir því að Spectralink Butterfly er í samræmi við grunnkröfur og aðrar kröfur, sem gerðar eru í tilskipun 1999/5/EC
Latviski [Latvian]:	Ar šo Spectralink deklare, ka Spectralink Butterfly atbilst Direktīvas 1999/5/EK būtiskajam prasībam un citiem ar to saistītajiem noteikumiem.
Lietuviu [Lithuanian]:	Šiuo Spectralink deklaruoja, kad šis Spectralink Butterfly atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas.
Nederlands [Dutch]:	Hierbij verklaart Spectralink dat het toestel Spectralink Butterfly in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG.
Malti [Maltese]:	Hawnhekk, Spectralink, jiddikjara li dan [il-mudel tal-prodott] jikkonforma mal-htigijiet essenzjali u ma provvedimenti oħrajn rilevanti li hemm fid-Direttiva 1999/5/EC.
Magyar [Hungarian]:	Alulírott, Spectralink nyilatkozom, hogy a Spectralink Butterfly megfelel a vonatkozó alapvető követelményeknek és az 1999/5/EC irányelv egyéb előírásainak.
Norsk [Norwegian]:	Spectralink erklærer herved at utstyret Spectralink Butterfly er i samsvar med de grunnleggende krav og øvrige relevante krav i direktiv 1999/5/EF.
Polski [Polish]:	Niniejszym Spectralink oświadcza, że Spectralink Butterfly jest zgodne z zasadniczymi wymaganiami oraz innymi stosownymi postanowieniami Dyrektywy 1999/5/WE

**Table 2** 1999/5/EF

Português [Portuguese]:	Spectralink declara que este Spectralink Butterfly está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE.
Slovensko [Slovenian]:	Spectralink izjavlja, da je ta Spectralink Butterfly v skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 1999/5/ES.
Slovenský [Slovak]:	Spectralink týmto vyhlasuje, že Spectralink Butterfly spĺna základné požiadavky a všetky príslušné ustanovenia Smernice 1999/5/ES.
Suomi [Finnish]:	Spectralink vakuuttaa täten että Spectralink Butterfly tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.
Svenska [Swedish]:	Härmed intygar Spectralink att denna Spectralink Butterfly står i överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.

**Table 3** Explosive Device Proximity Warning

	<b>Warning Do not operate your wireless network device near unshielded blasting caps or in an explosive environment unless the device has been modified to be especially qualified for such use.</b>
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**Table 4** Explosive Device Proximity Warning

<b>Waarschuwing</b>	<b>Gebruik dit draadloos netwerkapparaat alleen in de buurt van onbeschermd ontstekers of in een omgeving met explosieven indien het apparaat speciaal is aangepast om aan de eisen voor een dergelijk gebruik te voldoen.</b>
<b>Varoitus</b>	<b>Älä käytä johdotonta verkkolaitetta suojaamattomien räjäytysnallien läheisyydessä tai räjäytysalueella, jos laitetta ei ole erityisesti muunnettu sopivaksi sellaiseen käyttöön.</b>
<b>Attention</b>	<b>Ne jamais utiliser un équipement de réseau sans fil à proximité d'un détonateur non blindé ou dans un lieu présentant des risques d'explosion, sauf si l'équipement a été modifié à cet effet.</b>
<b>Warnung</b>	<b>Benutzen Sie Ihr drahtloses Netzwerkgerät nicht in der Nähe ungeschützter Sprengkapseln oder anderer explosiver Stoffe, es sei denn, Ihr Gerät wurde eigens für diesen Gebrauch modifiziert und bestimmt.</b>
<b>Avvertenza</b>	<b>Non utilizzare la periferica di rete senza fili in prossimità di un detonatore non protetto o di esplosivi a meno che la periferica non sia stata modificata a tale proposito.</b>

**Table 4** Explosive Device Proximity Warning

<b>Advarsel</b>	<b>Ikke bruk den trådløse nettverksenheten nært inntil uisolerte fenghetter eller i et eksplosivt miljø med mindre enheten er modifisert slik at den tåler slik bruk.</b>
<b>Aviso</b>	<b>Não opere o dispositivo de rede sem fios perto de cápsulas explosivas não protegidas ou num ambiente explosivo, a não ser que o dispositivo tenha sido modificado para se qualificar especialmente para essa utilização.</b>
<b>¡Advertencia!</b>	<b>No utilizar un aparato de la red sin cable cerca de un detonador que no esté protegido ni tampoco en un entorno explosivo a menos que el aparato haya sido modificado con ese fin.</b>
<b>Varning!</b>	<b>Använd inte den trådlösa nätverksenheten i närheten av oskyddade tändhattar eller i en explosiv miljö om inte enheten modifierats för att kunna användas i sådana sammanhang.</b>

**Table 5** WEEE Marking

	<p>The WEEE Marking on this equipment indicates that the product must not be disposed of with unsorted waste, but must be collected separately.</p> <p>Visit <a href="http://www.Spectralink.com/battery-recycling">www.Spectralink.com/battery-recycling</a> for further guidance on battery recycling.</p>
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## Important Safety Instructions

Before using your telephone equipment, you should always follow basic safety instruction to reduce the risk of fire, electrical shock and injury to persons, and damage to property.

- 1 Read and understand all instructions
- 2 Follow all warnings and instructions including those marked on the product
- 3 Unplug this product before cleaning. Do not use liquid cleaners or aerosol cleaners. Use damp cloth for cleaning.
- 4 Do not install the telephone equipment in the bathroom or near a wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool
- 5 Slots or openings in the equipment are provided for ventilation to protect it from over-heating. These openings must not be blocked or covered.
- 6 The product should be operated only from the type of power source indicated on the instructions. If you are not sure of the type of power supply, consult your dealer or local power company.
- 7 Do not overload wall outlets and extension cords as this can result in fire or electrical shock.



- 8** Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short out parts that could result in fire, electrical shock, or injury. Never spill liquid of any kind into this product.
- 9** To reduce the risk of electrical shock or burns, do not disassemble this product. Opening or removing covers may expose you to dangerous voltages, dangerous electrical current, or other risks. Incorrect reassemble can cause electrical shock when the appliance is subsequently used. If the product need repair, consult your dealer.
- 10** Refer servicing to qualified service personnel.
- 11** Avoid using telephone during an electrical storm. There may be a risk of electrical shock from lightning.
- 12** Do not use the telephone to report a gas leak in the vicinity of the leak.
- 13** Do not place the base or charger near microwave ovens, radio equipment, or non-ground connected televisions. These appliances may cause electrical interference to the base or handset
- 14** The charger must be placed on a hard, flat surface and connected to a functional 100-230 volt AC power source depending on the country of use.
- 15** This telephone will not operate in the event of a blackout. Please keep a backup phone for emergencies.
- 16** Installation must be performed in accordance with all relevant national wiring rules.
- 17** Plug acts as Disconnect Device - The socket outlet to which this apparatus is connected must be installed near the equipment and must always be readily accessible.
- 18** This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

### **Intrinsic safety**

Do not use the handset in conditions where there is a danger of electrically ignited explosions.

### **Exposure to sunlight, heat and moisture**

Do not expose the cordless phone to direct sunlight for long periods. Keep the cordless phone away from excessive heat and moisture.

### **Spare parts and accessories**

Use only approved spare parts and accessories. The operation of non-approved parts cannot be guaranteed and may even cause damage.

### **Power failure**

In the event of a power failure or flat battery, you cannot use the handset to make or receive calls.

## Battery Precautions

- 1 Periodically clean the charge contacts on both the charger and handset.
- 2 Exercise care in handling batteries in order not to short the batteries with conducting materials such as rings, bracelets, and keys. The batteries or conducting material may overheat and cause burns or fire.
- 3 Do not open or mutilate the batteries, released electrolyte is corrosive and may cause damage to the eyes or skin. The electrolyte may be toxic if swallowed.
- 4 During charging batteries heat up. This is normal and not dangerous.
- 5 Lithium cell installation Caution - Danger of Explosion if Battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions.

## Notices

Before installing this equipment, users should ensure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must also be installed using an acceptable method of connection. The customer should be aware that compliance with the above conditions may not prevent degradation of service in some situations.

Repairs to certified equipment should be coordinated by a representative designated by the supplier. Any repairs or alterations made by the user to this equipment, or equipment malfunctions, may give the telecommunications company cause to request the user to disconnect the equipment.

Users should ensure for their own protection that the electrical ground connections of the power utility, telephone lines and internal metallic water pipe system, if present, are connected together. This precaution may be particularly important in rural areas.

## EMC:CAUTIONS

Users should not attempt to make such connections themselves, but should contact the appropriate electric inspection authority, or electrician, as appropriate.

If your telephone equipment causes harm to the telephone network, the telephone company may ask you to disconnect the system from the line until the problem has been corrected or they may discontinue your service temporarily. If possible, they will notify you in advance, But if advance notice is not practical, you should be notified as soon as possible. You will be informed of your right to file a complaint with the FCC.

Your telephone company may make changes in its facilities, equipment, operations, or procedures that could affect the proper functioning of your telephone system, If they do and it is possible, you will be notified in advance to give you an opportunity to maintain uninterrupted telephone service. If you experience trouble with this telephone system, disconnect it from the network until the problem has been corrected or until you are sure that the equipment is not malfunctioning.

## Note

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to local regulations. 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.

## Hearing Aid Compatibility

This equipment is hearing-aid compatible, as defined in Section 68.316 of Part 68 FCC Rules.

## FCC Note

This device 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.

## SAR

Device has been tested for SAR compliance for head and body worn configurations. The highest reported SAR value is: head 0.00981 W/kg and body worn 0.020W/kg.

IC Note: 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.

The Term "IC": before the certification/registration number only signifies that the Industry Canada technical specifications were met.

Privacy of communications may not be ensured when using this telephone.

## Power Outage

In the event of a power outage, your cordless telephone will not operate. The cordless telephone requires electricity for operation. You should have a telephone which does not require electricity available for use during power outages.

## Information to user

The users manual or instruction manual for an intentional or unintentional radiator shall caution the user that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## NOTE EMC

Cet appareil a été soumis à un essai et jugé conforme aux normes régissant les limites établies pour un dispositif numérique de classe B, conformément aux règlements locaux. Ces limites visent à assurer une protection raisonnable contre des interférences pouvant nuire à l'appareil utilisé dans un secteur résidentiel. Cet équipement génère et utilise des radiofréquences, et peut en émettre. S'il n'est pas installé et utilisé selon les directives fournies, il risque de perturber les radiocommunications. L'exploitation de cet appareil dans un secteur particulier est toutefois susceptible de produire des interférences nuisibles. Si cet équipement provoque des interférences lors de la réception des radiofréquences ou des fréquences de télévision, ce qui peut être vérifié en mettant l'appareil hors tension, puis en le remettant sous tension, l'utilisateur doit prendre l'une des mesures suivantes pour corriger la situation:

- réorienter ou relocaliser l'antenne de réception;
- augmenter la distance entre l'appareil et l'antenne de réception;
- brancher l'appareil à une prise d'un circuit différent de celui auquel l'antenne est branchée;
- consulter le détaillant ou un technicien en radiotélévision d'expérience pour obtenir de l'aide.

## PTC General Warning

The grant of a Telepermit for any item of terminal equipment indicates only that Telecom has accepted that the item complies with minimum conditions for connection to its network. It indicates no endorsement of the product by Telecom, nor does it provide any sort of warranty. Above all, it provides no assurance that any item will work correctly in all respects with another item of Telepermitted equipment of a different make or model, nor does it imply that any product is compatible with all of Telecom's network services.

## Echo Cancellation

Echo cancellers are not normally required in the Telecom PSTN because geographic delays are acceptable where CPE return loss is maintained within Telepermit limits. However, those private networks making use of Voice over IP technology are required to provide echo cancellation for all voice calls. The combined effect of audio/VoIP conversion delay and IP routing delay can cause the echo cancellation time of 64 mS or more to be required.

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- Unauthorized product modification or alteration.
- Unauthorized use of common carrier communication services accessed through the product.
- Abuse, misuse, negligent acts or omissions of Customer and persons under Customer's control; or
- Acts of third parties, acts of God, accident, fire, lightning, power surges or outages, or other hazards.

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Spectralink Corporation  
2560 55th Street  
Boulder CO 80301, USA  
Spectralink Europe ApS  
Spectralink Europe ApS  
Langmarksvej 34  
DK-8700 Horsens  
Tel. +45 7560 2850

[infodk@spectralink.com](mailto:infodk@spectralink.com)  
[www.spectralink.com](http://www.spectralink.com)