

Spectralink 7420 and Spectralink 7440

User Guide

Copyright Notice

© 2013 Spectralink Corporation All rights reserved. Spectralink™, the Spectralink logo and the names and marks associated with Spectralink's products are trademarks and/or service marks of Spectralink Corporation and are common law marks in the United States and various other countries. All other trademarks are property of their respective owners. No portion hereof may be reproduced or transmitted in any form or by any means, for any purpose other than the recipient's personal use, without the express written permission of Spectralink.

All rights reserved under the International and pan-American Copyright Conventions. No part of this manual, or the software described herein, may be reproduced or transmitted in any form or by any means, or translated into another language or format, in whole or in part, without the express written permission of Spectralink Corporation.

Do not remove (or allow any third party to remove) any product identification, copyright or other notices.

Notice

Spectralink Corporation has prepared this document for use by Spectralink personnel and customers. The drawings and specifications contained herein are the property of Spectralink and shall be neither reproduced in whole or in part without the prior written approval of Spectralink, nor be implied to grant any license to make, use, or sell equipment manufactured in accordance herewith.

Spectralink reserves the right to make changes in specifications and other information contained in this document without prior notice, and the reader should in all cases consult Spectralink to determine whether any such changes have been made.

NO REPRESENTATION OR OTHER AFFIRMATION OF FACT CONTAINED IN THIS DOCUMENT INCLUDING BUT NOT LIMITED TO STATEMENTS REGARDING CAPACITY, RESPONSE-TIME PERFORMANCE, SUITABILITY FOR USE, OR PERFORMANCE OF PRODUCTS DESCRIBED HEREIN SHALL BE DEEMED TO BE A WARRANTY BY Spectralink FOR ANY PURPOSE, OR GIVE RISE TO ANY LIABILITY OF Spectralink WHATSOEVER.

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

Spectralink Europe ApS,
Langmarksvej 34,
8700 Horsens,
Denmark

Getting Started

Handset Safety Information	3
Charger Information	3
Battery Information	4
Charging the Battery	4
Battery Capacity	5
Overview of Your Spectralink 7420/Spectralink 7440 Handset	6

Basic Operations

Turning the Handset On or Off	8
Making Calls	8
Answering Calls	9
During Calls	9
Using the Phone Book	10
Speed dial	11
Date and Time Function	11
Language	12
Navigating the Menu	12
List of Menu Functions	12
Shortcuts	14
Using the Alphanumeric Keyboard	14
Redialing	15
Checking the Battery Status	16

Profile set-up

Setting up the Handset	17
------------------------------	----

Subscription and Login

To Create a Subscription	19
Login	19
Auto Login	20
Removing Subscriptions	21
Changing Startup Text	21

Messages

External Services	22
MSF Functions	22
Sending and Receiving Messages	22

Advanced settings

To Select a New Advanced Settings Profile	25
---	----

Troubleshooting

Technical information

Approvals	28
Size and Weight	28
Capacity	28
Power Output	28
International Regulatory and Product Information	29
Important Safety Instructions	30
Intrinsic Safety	31
Battery Precautions	32
Notices	32
Limited Warranty	34
Spectralink Product Warranty Statement	35
END-USER LICENSE AGREEMENT FOR SPECTRALINK SOFTWARE	36

Chapter 1: Getting Started

Handset Safety Information

Never use your handset under the following conditions:

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

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 temperature extremes

Check for small metal objects in the handset earpiece and 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.



Warning

Excessive use of earphones and headphones can cause hearing loss.

Charger Information

One type of charger can be used for the handset.

The part numbers for the Spectralink 7420 and Spectralink 7440 charger and power supply unit are the following:

- Charger part number: 8464 2462
- Power Supply Unit part number: 8464 2602



Note

The charger can only be used with this specific power supply unit.

Battery Information

The battery is connected to the handset when it is shipped from the factory. To change the battery you must unscrew the plate on the rear of the handset to access the battery compartment.

To remove the battery cover, use a normal screw driver. Insert it into the small crack behind the blind cover and break to open the handset.

You can find the product label, including the CE logo, in the battery compartment.

The only battery that can be used for the Spectralink 7420 and Spectralink 7440 handset is the following:

- Battery part number: 8474 3411.

Charging the Battery

When you charge the battery for the first time, you must leave the handset in the charger for 14-16 hours for the battery to be fully charged.

During normal operation, it takes approximately 3.5 hours to charge the handset from completely discharged to its full capacity.

Place the handset in the charger. When the handset is turned on, the display shows the charging status in line 3.

For correct charging, ensure that the room temperature is between 0°C and 25°C. Do not place the handset in direct sunlight. The battery has a built-in heat sensor which will stop the charging if the battery temperature is too high.

When the handset is placed in the charger it reacts normally to incoming calls, it does not vibrate, and B-answer is inactive (B-answer is also called Automatic Answer). If the battery is fully discharged, up to 10 min. may pass before charging begins and the handset can be turned on. When charging begins, the status is shown in the 3rd line of the display and the LED flashes slowly.

It is necessary to recharge the battery when the display shows BATTERY LOW, or if it cannot be turned on. The LED flashes at a low frequency while charging and lights constantly when the charging is finished. The display goes back to normal mode when fully charged.

Battery Capacity

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

- Battery capacity
 - Active talk time: up to 15 hours
 - Standby time: up to 150 hours

Battery Disposal

Visit <http://www.spectralink.com/battery-recycling> for further guidance on battery recycling.

Overview of Your Spectralink 7420/Spectralink 7440 Handset




Table 1 Handset Elements

A	< REDIAL
	<ul style="list-style-type: none"> • After a digit: delete last digit. • Long press: delete all • From standby text: Redial Menu
B	> BOOK-
	<ul style="list-style-type: none"> • Menu: right, Cursor right, • After a digit: Store number in telephone book • From standby text: Telephone book read
C	Confirmation key
	<ul style="list-style-type: none"> • Mute microphone • Mute ringer when ringing • Long key press turns off phone
D	ON/OFF HOOK key
	<ul style="list-style-type: none"> • Also used as turn ON key
E	Alphanumeric Keyboard, 0-9
	<ul style="list-style-type: none"> • Digits or letters in alphanumeric mode (names and messages)
F	SILENT
G	Keyboard LOCK
	<ul style="list-style-type: none"> • - * (Change from pulse to DTMF on KIRK Wireless Server), Long = pause (-), extra long: change from pulse to DTMF (a T appears in the display, GAP standard) • Choose uppercase or lowercase letters in alphanumeric mode
H	Internal calls
	<ul style="list-style-type: none"> • If residential systems: Internal calls off hook • (not used on Spectralink DECT Server and Spectralink IP-DECT Server) • Turns loudspeaker on and off in off hook (only Spectralink 7440)
I	Recall (MAIL)
	<ul style="list-style-type: none"> • If off hook: Recall. • If on hook: Read or write
J	MENU
	<ul style="list-style-type: none"> • Go to menu structure or exits the menu structure. (Escape or NO) • √ , MUTE- Confirmation (YES) or jump to next level in the menu. In off hook: Mute microphone In on hook: Mute ringer. Long key press turns the handset OFF

Chapter 2: Basic Operations

Turning the Handset On or Off

- ON: Press  key for 1/2 second.

When the handset is turned on, the  symbol is shown in the lower left corner of the display, if the handset is subscribed to a system.




- OFF: Press the  key (MUTE) for 3 seconds.

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 it has re-entered the coverage area.




Making Calls

To make and receive calls, the handset must be subscribed to a system.






To Dial Off Hook (Dial Directly)

- 1 Press  to make a call. The  icon in the display flashes until connection is established.
- 2 Dial number.
- 3 Press  to terminate the call.

To Dial On Hook (Pre-Dial)



- 1 Dial number.
- 4 Press  to make a call. The  icon in the display flashes until connection is established.
- 2 Press  to terminate the call.

To Dial from the Telephone Book

- 1 Press the  key (BOOK) to enter the telephone book.
- 2 Search for the number either by using the  or  keys or by pressing the first letter in the name by using the digits **1 - 9**.
- 3 Press the  key. The  icon in the display flashes until connection is established.



To Redial:

Redial / CLIP (CLIP = Calling Line Identification Presentation)

- 1 Press the < key (REDIAL) to enter the redial/CLIP stack
- 2 Scroll to the desired number by using the < or > keys. Redial numbers are marked with REDIAL or name. CLIP numbers are marked either with CLIP or the name of the person who called.
- 3 Press the  key. The  icon in the display flashes until connection is established.


Using the Handset in Residential Systems: (not on Spectralink DECT Server)

Internal Call Post-dial:

- 1 Press the **INT**key. The  icon in the display flashes
- 2 Dial the number of another handset on the base station. The  icon in the display flashes until connection is established.

Internal Call Pre-dial:

(not on Spectralink DECT Server and Spectralink IP-DECT Server)

- Press the number of another handset on the base station. Press the **INT**key. The  icon in the display flashes until connection is established.




Note

If the Date and Time function is supported, then date and time of the incoming or outgoing call is shown in the CLIP/Redial stack on the 4th line of the display. See Chap. Date and Time Function for more information.

Answering Calls

When the handset rings, the LED flashes fast and the display shows the CLIP (if presented). If it is an external call (or if no CLIP) the display shows INCOMING CALL.

- Press  to answer a call when your handset rings.

You can stop the ring signal without answering the call.

- Press √ key (mute) and the ring signal is muted. Display shows: RINGER MUTED.

During Calls


Volume Regulation:

Use the two keys placed on the right side of the handset for volume control.

Microphone Mute:

- Press the √ key (MUTE), MIC. MUTED is showed in the display.
- Press the √ key (MUTE) to enable the microphone again.

Transferring the Call to Another Handset:

- 1 Press the **R** key, and dial the new number.
- 2 Press the  key and the call is transferred to the other handset.

Using the Phone Book

You can store numbers and names in your phone book. The book can store up to 200 numbers with name. You can view and edit the phone book during a call.

- You access the phone book by either pressing the > key (BOOK) or pressing **MENU** and scrolling to **MENU PHONE BOOK**.

To Add a New Contact

- 1 When on hook, press the number to be stored (max. 24 digits.)
- 2 Press the > key (BOOK) followed by the √ key.
- 3 Enter the name using the digits 1 - 9 followed by the √ key.

After storing, the telephone returns to standby mode. If the display shows MEMORY FULL, you have to delete one or more contacts from the telephone book.

To Delete a Contact


- 1 Press the > key (BOOK).
- 2 Scroll to the contact to delete using the < > keys, and then press √.
- 3 Scroll to DELETE and press √.

To Edit Name and Number

You can edit the name and number of a contact in phone book.

- 1 Press the > key (BOOK).
- 2 Scroll to the contact to edit using < > keys, and then press √.
- 3 Scroll to EDIT NO√ or EDIT NAME√, and then press √.
- 4 Edit Name/Number using the alphanumeric keyboard.

To Dial from Phone Book

- 1 Press the > key (BOOK).
- 2 To find a name:
Scroll until you reach the desired name using < > keys
-OR
Press the first letter of the name using the alphanumeric keyboard.
- 3 Call the contact by pressing the  key.

Speed dial

To use the speed dial function, set LONG KEY to SPEED DIAL. The speed dial list holds a maximum of 11 speed dial numbers. The numbers can contain up to 23 digits.

- To call a number from the speed dial list, long key press one of the **number keys (0-9)**
-OR
Press the **alarm button** key.

If no number is assigned to the key you can enter a new number. The number is added to the speed dial list automatically.

To Store a Number in the Speed Dial List.

- 1 Press **MENU**.
- 2 Scroll to **MENU SPEED DIAL** using the < or > keys, and then press √.
- 3 Use the < or > keys to scroll between the list numbers.
- 4 Enter the number and then press √. After storing the number, the telephone goes back to standby mode.

Delete or Change a Number in the Speed Dial List

- 1 Press **MENU**.
- 2 Scroll to **MENU SPEED DIAL** using the < or > keys, and then press √.
- 3 Use < or > keys to scroll to the preferred number, and then press √.
- 4 Use the < key to delete the existing number, and then press √.
-OR
Enter a new number and then press √.

Date and Time Function

The Date and Time function requires the use of a Spectralink DECT Server or Spectralink IP-DECT Server and special software in the main system. Date and time is only displayed if CLIP feature is supported by the PBX.

If the Date and Time function is supported, a clock is shown in the display. The clock shows the time with an accuracy of +/- 1 minute.

If the Date and Time function is supported, then date and time of the incoming or outgoing call is also shown in the CLIP/Redial stack on the 4th line of the display. An icon + date and time shows the status of the call.

- If the call is missed, the date and time is displayed: 29/03 20:28
- If the incoming call is received, the date and time is displayed: 29/03 20:28
- If the outgoing call is successful, the date and time is displayed: 29/03 20:28

Language

There are 10 predefined languages in the handset: English, German, French, Italian, Spanish, Dutch, Portuguese, Swedish, Danish and Norwegian.

To Select a Language

- 1 Press **MENU**.
- 2 Use the < or > keys to scroll to the **MENU PROFILE SET UP**, and then press √.
- 3 Scroll to **SET PROFILE LANGUAGE**, and then press √.
- 4 Scroll to the desired language, and then press √.
- 5 To exit the menu, press **MENU**.
- 6 If an 11th language is present this will be shown. This language is a specific dealer language and is factory programmed

Navigating the Menu

- Press the **MENU** key, to enter or exit the menu structure. It has to be used if a NO or CLEAR is wanted in the menu structure. To navigate while in Menu:
 - < key (REDIAL): left,
Cursor left
 - < key (BOOK): left,
Cursor right
 - √ key (MUTE): Confirmation (YES) or jump to next level in the menu.
- Press the √ key, to jump to a lower level in the menu. When the lowest menu level is reached, the setting is stored, and the menu jumps to a higher level. It has to be used if a YES is wanted.

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.

Overview

Profile Set-up

- 1 ringer tone
- 2 Ringer vol
- 3 Key Click
- 4 Vibrator (Spectralink 7440 only)
- 5 B-answer (Auto answer)
- 6 Start volume
- 7 out of range
- 8 Auto keylock
- 9 Language
- 10 Backlight
- 11 Advanced
 - Auto Hook
 - Any Key Answer
 - Long Key
 - Long Key time
 - A. Key Delay
 - LS on B-answer
 - Standby text
 - Headset alert
 - Headset volume
 - Off Hook MSF

Ext. Service

Battery

- 1 Battery capacity

Phone book

Redial

Mail

Speed Dial

Login

- 1 Select Login
- 2 Subscription Create
- 3 Subscription remove

MSF functions

Shortcuts

The following menus can be accessed directly:

- The Phone book Menu: press the > key (BOOK)
- The Redial Men: press the < key (REDIAL)
- The Mail Menu: press the **R** key (MAIL)

Using the Alphanumeric Keyboard

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

Spaces are made by using the 0 key. The √ key switches between uppercase and lowercase letters. The arrows move the cursor. The left arrow is also used for deleting (hold for 1 sec.) = delete. New letters can be inserted.

Change of key press and pauses lasting more than 1 second automatically moves the cursor to next position.


The 4th line of the display shows the possible alphanumeric keys.

Key	Capital letter	Small letter
1	? ! 1 - + * / = & () % ¿ ¡	? ! 1 - + * / = & () % ¿ ¡
2	A B C 2 Ä Å Æ Ç	a b c 2 ä å æ ç
3	D E F 3 È É Ê Ë	d e f 3 è é ê ë
4	G H I 4 Ì Í Î Ï	g h i 4 ì í î ï
5	J K L 5	j k l 5
6	M N O 6 Ñ Ò Ó Ô Õ Ø	m n o 6 ñ ò ó ô õ ø
7	P Q R S 7 ß	p q r s 7 ß
8	T U V 8 Ü Ù Ú Û	t u v 8 ü ù ú û
9	W X Y Z 9	w x y z 9
0	[Space], . 0 ; ; _ " ' ^ ~	[Space], . 0 ; ; _ " ' ^ ~
*	A ->a	A->a
#	# @ E \$ £ ¥ § < > { } [\]	# @ E \$ £ ¥ § < > { } [\]


Redialing

The handset has maximum 10 redial numbers and 10 Caller ID/MISSED CALL numbers placed in the same stack. Each number is only represented once and listed from the latest to the oldest.

To Enter the Redial Menu

- 1 Press < key (REDIAL).
- 2 Scroll through the dialed numbers using the < and > keys
- 3 Press  to make a call.


-OR-

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **MENU Redial** and press \checkmark .
- 3 Scroll through the dialed numbers using the < and > keys.
- 4 Press  to make a call.

Numbers are named REDIAL, CLIP or with the name.

Missed Call

If you missed a call, the LED flashes slowly and the display shows MISSED CALL.

- Press the < key (REDIAL) to see the missed call.
- Press  to call back.

If no number (no clip) is represented by a call only the LED flashes slowly afterwards.

Delete a CLIP or a REDIAL:

- 1 Press < key (REDIAL).
- 2 Scroll through the dialed numbers using the < and > keys press \checkmark
- 3 Scroll to the name/number and press \checkmark twice
- 4 The name/number is now deleted.

Delete all Name and Numbers:

- 1 Press < key (REDIAL).
- 2 press \checkmark
- 3 Scroll to **Delete all**, and press \checkmark

To Store a Number:

- 1 Press < key (REDIAL).
- 2 Scroll through the dialed numbers using the < and > keys, and press √
- 3 Scroll to Store no. press √.
- 4 Write the name using the digits 1 - 9 (See chap. Alphanumeric keyboard).

If number is stored, it is moved to the telephone book.

To Edit the CLIP or REDIAL

- 1 Press < key (REDIAL).
- 2 Scroll through the dialed numbers using the < and > keys
- 3 Find the number you wish to edit and press the digits you want to add to the number, for example, prefix = 0.

Checking the Battery Status

In the Battery Menu you can check the battery status. To read the correct status, you have to remove the handset from the charger for at least one hour.

To View Battery Capacity

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **MENU Battery** and press √.
- 3 The the current status of the battery capacity is displayed
- 4 Press √ to return to the menu system or press **MENU** to quit.

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.

Chapter 3: Profile set-up

The Profile set-up menu offers you the opportunity to customize the handset according to your needs.

Setting up the Handset

To set-up the handset press MENU. You are now able to switch between the different settings. Press $\sqrt{}$ when you find the setting you wish to change (or see). Change the setting according to your needs, confirm with $\sqrt{}$ and you automatically go to the next setting. Press MENU to finalize the setup.

To Choose a New Setting for Your Profile Set-up:

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Profile set-up** and press $\sqrt{}$.
- 3 Scroll to the setting you wish to change and press $\sqrt{}$. You automatically go to the next setting
- 4 When you have finished changing the settings press **MENU** to finalize the setup.

You can change the following settings:

- **Ringtone:** Scroll through the 9 different ringtones using < and >. Confirm with $\sqrt{}$.
- **Ringer Vol:** Turn the volume up and down using < and >. Confirm with $\sqrt{}$.
- **Key click:** Turn the volume up and down using < and >. Confirm with $\sqrt{}$.
- **Vibrator:** Can be turned on/off using < and >. Confirm with $\sqrt{}$ (only available with Spectralink 7440).
- **B-answer (Auto Answer):** Can be turned on/off using < and >. Confirm with $\sqrt{}$. When turned on, the telephone automatically goes off hook when ringing. If subscribed to a Spectralink solution, it automatically goes on hook when calls are terminated.

B-answer is inactive when handset is placed in the charger.

Remark: Automatic on-hook is only reliable under defined conditions related to the interface settings between the Spectralink Wireless Server and the PBX.


- **Start Vol:** Start volume can be adjusted using < and >. Confirm with $\sqrt{}$.
- **Out of range:** The out of range indication can be turned on/off using < and >. Confirm with $\sqrt{}$. With the out of range indicator turned on, a beep will appear when the telephone is moving out of range of the base station, and OUT OF RANGE will appear in the display.
- **Auto keylock:** The auto keylock function can be turned on/off using < and >. Confirm with $\sqrt{}$. With auto keylock turned on the handset will automatically lock the keys after 30 seconds. Press MENU * to activate the keys again.
- **Language:** see Language.

- **Backlight:** Can be turned on/off using < and >. Confirm with √
- **Advanced:** see Chap. Advanced settings

Chapter 4: Subscription and Login

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

To Create a Subscription

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Menu Login** and press \checkmark .
- 3 Scroll to **Subscription Create** and press \checkmark .
- 4 Scroll between the ID's of the different systems available.
- 5 During subscription the handset searches for free positions and performs subscription on the first free position. Use $<$ or $>$ to choose an alternative position.
- 6 Enter the AC (if required) using the keyboard, and press \checkmark
- 7 If the subscription was successful, the startup text is replaced by the standby text given into the system by the system administrator and  is shown in the display. If not, the subscription has failed and you must redo the procedure.

If the handset is already subscribed to 10 systems, you have to remove a subscription before creating a new subscription.

Login

The handset can be subscribed to 10 different systems enabling you to use the same handset on 10 different systems. If you would like to change to another system, use the Login Menu to connect to another system number.

To Login to Another System

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Menu Login** and press \checkmark .
- 3 Scroll between systems. The actual chosen system is marked with a *.
- 4 To change to another system use $<$ or $>$ and press \checkmark to confirm.

To be able to log on to a system, subscription to the system has to be established. Only subscriptions are listed. Free positions are not listed.

Auto Login

The handset can be subscribed to 10 different systems.

If a handset is subscribed to two or more systems, you can use Auto Login A to switch between the systems automatically.

To Change Systems with Auto Login

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Menu Login** and press \checkmark .
- 3 Scroll to **Menu Select Login** and press \checkmark .
- 4 Scroll to **Select Login Auto A**.
- 5 The selected system is marked with an A.



Note

Only use Auto login A in separate systems without overlaps. If a handset loses signal from the system (the display showing OUT OF RANGE), then after 20 seconds the handset will start searching for an alternative system available from the Login list and automatically change to this system. Changing between systems can only take place while on hook. Any call will be dropped when changing to an alternative system.

If a handset is subscribed to two systems only, you can use Auto Login B to change between the two systems automatically.

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Menu Login** and press \checkmark .
- 3 Scroll to **Menu Select Login** and press \checkmark .
- 4 Scroll to **Select Login Auto B**.
- 5 The selected system is marked with a B.



Note

Auto login B can be used in separate systems which are overlapping each other. As soon as the hand- set has measured a low radio signal 5 times in succession, it will start up the Auto login B procedure and change to an alternative system if available. Changing between two systems can only take place while on hook. Any call will be dropped when changing to an alternative system.

Removing Subscriptions

Subscriptions can be removed from the system in use and from the 9 other systems (if connected).

To Remove Subscriptions

- 1** Press **Menu** to enter main menu.
- 2** Scroll to **Menu Login** and press $\sqrt{}$.
- 3** Scroll to **Subscription remove** and press $\sqrt{}$.
- 4** Write Password. Password is factory set at 0000.
- 5** Scroll to the subscription that you want to remove and press $\sqrt{}$.

If the system in use is removed, you have to either 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

Changing Startup Text

The startup text is predefined as e.g. Spectralink as factory default. This can be changed by using the following procedure:

To Change the Startup Text

- 1** Press ********.
- 2** Press **BOOK** and press $\sqrt{}$.
- 3** Enter the new startup text using the keyboard followed by $\sqrt{}$.

You can enter up to 24 characters.

Chapter 5: Messages

External Services

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

Under External services you find the following:

- View Clip Stack,
- Delete Clip Stack
- Local Phone Book: The Local Phone Book is a common phone book for all handsets subscribed to the actual system, and all handsets subscribed to the system are listed in the phone book. Additional numbers can be added to the phone book by the system administrator

MSF Functions


MSF Functions are special functions based on MSF (Message Service Function). The availability of this function, depends on the setup of the system.

Sending and Receiving Messages

This function depends on the system setup.

When you receive a message, an envelope icon appears in the display. The envelope icon indicates that you have one or more unread messages.

When the message is read the envelope icon disappears.

If the message contains a call-back number, this is displayed in the bottom line of the display. As long as the call-back number is in the display, it is possible to activate the number by pressing the  key.

The 1st letter in the display, in front of the timestamp, displays the message status: read (R), unread (N) or locked (L).

Messages can contain up to 72 letters or digits (2 display screens of 36 each). A Call-back number contain up to 24 digits (or letters for E-mail).

The handset can store up to 14 messages. When you receive a new message, the oldest unlocked message is deleted. Locked messages are not automatically overwritten, but can be deleted manually. Maximum 7 messages can be locked.

To Read a Message

- 1 While on hook, press the **R** key (MAIL).
-OR-
Press **MENU**, and scroll to **MENU MAIL**, and press $\sqrt{}$.
- 2 Press the **>** key to scroll through the mail list, and then press $\sqrt{}$. If the message contains more than 36 letters or digits, the message runs over 2 display screens.
 - To view the sender of the mail, press the $\sqrt{}$ key.
 - To leave the message, press the **MENU** key.

To Reply to a Message

- 1 While on hook, press the **R** key (MAIL).
-OR-
Press **MENU**, scroll to **MENU MAIL**, and then press $\sqrt{}$.
- 2 Scroll to the desired message.
- 3 Open the mail by pressing the $\sqrt{}$ key,
- 4 Press the $\sqrt{}$ key again and use the **< >** keys to find the reply feature,
- 5 Press the $\sqrt{}$ to reply to the message.
- 6 Enter your reply, and then press the $\sqrt{}$ key to confirm the message.
- 7 Press the $\sqrt{}$ key to confirm the number

To Write a Message

- 1 While on hook, press the **R** key (MAIL).
-OR-
Press **MENU**, scroll to **MENU MAIL**, and then press $\sqrt{}$.
- 2 Scroll to **WRITE NEW MAIL**, and then press $\sqrt{}$.
- 3 Write your message, and then press the $\sqrt{}$ key to confirm the message.
- 4 Enter the number of the recipient, and then press the $\sqrt{}$ key to confirm the number. The message is sent

If a sent message is not received successfully, a message is shown in the display.

To Forward Messages

- 1 While on hook, press the **R** key (MAIL).
-OR-
Press **MENU**, scroll to **MENU MAIL**, and then press $\sqrt{}$.
- 2 Scroll to the desired message.
- 3 Press the $\sqrt{}$ key to open the message.
- 4 Press the $\sqrt{}$ key again and use the **< >** keys to locate the FORWARD MAIL option, and then press the $\sqrt{}$ key twice.
- 5 Enter the number of the recipient, and then press the $\sqrt{}$ key to confirm the number.

To Delete Messages

- 1 While on hook, press the **R** key (MAIL).
-OR-
Press **MENU**, scroll to **MENU MAIL**, and then press \surd .
- 2 Scroll to the desired message.
- 3 Press the \surd key to open the message.
- 4 Press the \surd key again and use the **<** **>** keys to locate the DELETE MAIL option, and then press the \surd key.

To Delete all Messages

- 1 While on hook, press the **R** key (MAIL).
-OR-
Press **MENU**, scroll to **MENU MAIL**, and then press \surd .
- 2 Press \surd .
- 3 Scroll to the DELETE ALL MAIL. Press the \surd key,

To Lock or Unlock Messages

- 1 While on hook, press the **R** key (MAIL).
-OR-
Press **MENU**, scroll to **MENU MAIL**, and then press \surd .
- 2 Scroll to the desired message.
- 3 Press the \surd key to open the message.
- 4 Press the \surd key again and use the **<** **>** keys to locate the LOCK MAIL/UNLOCK MAIL option, and then press the \surd key.

Chapter 6: Advanced settings



To Select a New Advanced Settings Profile

- 1 Press **Menu** to enter main menu.
- 2 Scroll to **Profile set-up** and press $\sqrt{}$.
- 3 Scroll to **SET PROFILE ADVANCED** and press $\sqrt{}$
- 4 Scroll to the setting you wish to change and press $\sqrt{}$. You automatically go to the next setting
- 5 When you have finished changing the settings press **MENU** to finalize the setup.

You can change the following settings:

- **Auto hook:** Can be turned on or off using < and >. Confirm with $\sqrt{}$. When turned on, the handset automatically goes off hook when you remove it from the charger and a call is active. When you place the handset in the charger, the handset automatically goes on hook.
- **Any key answer:** Can be turned on/off using < and >. Confirm with $\sqrt{}$. When turned on, all keys work as a Hook key when you receive an incoming call.
- **Long key:** Can be set to SEND MSF or SPEED DIAL using < and >. Confirm with 3. When choosing SEND MSF an MSF is sent to the Spectralink DECT Server or the Spectralink IP-DECT Server when you press 0,1,2...9 with a long key press or when you press the alarm key with a long key press. When you select SPEED DIAL a call is made to the assigned number when you press 0,1,2...9 with a long key press or when you press the alarm key with a long key press. If no number is assigned, the alarm key it is possible to enter a new number. This number is automatically added to the speed dial list.
- **Long key time:** Used to define the time for how long a key (0,1,2...9) should be pressed before it is detected as a long key press.
- **Key delay:** Used to define the time for how long the alarm key should be pressed before the alarm key function is executed.
- **Ls on b-answer:** Can be turned on/off using < and >. Confirm with $\sqrt{}$. When turned on and B-ANSWER ON (hands-free) is selected, the handset turns on the loudspeaker automatically. (The loudspeaker only works on Spectralink 7440).
- **Standby text:** Can be turned on/off using < and >. Confirm with $\sqrt{}$. When turned off the display shows a local standby text.
- **Heads. alert:** The ringer volume in headset can be set to either OFF or 1, 2, 3, 4, 5 (indicated by a bar) using < and >. Confirm with $\sqrt{}$. (only works on SPECTRALINK 7440).
- **Headset vol:** The volume in headset can be set to either 1, 2, 3, 4 or 5 (indicated by a bar) using < and >. Confirm with $\sqrt{}$. (only works on SPECTRALINK 7440).
- **Off hook MSF:** Can be set to either NORMAL, KEY CLICK or KEY BEEP using < and >. Confirm with $\sqrt{}$. The OFF HOOK MSF setting only applies to the behavior of the handset when an MSF is received and the handset is off hook. When set to NORMAL the alert type used is the one defined in the MSF. When set to KEY CLICK a key click is produced when receiving an MSF. When set to KEY BEEP a key beep is produced when receiving an MSF.

Shortcuts

- Lock keys: Press: **MENU** *. (Display shows )
- Enter silent mode: Press: **MENU** #. (No sounds) (Display shows )
- Enter phone book: Press > (BOOK) in standby
- Search for a name in the phone book: Press the first letter in name and then > (BOOK).
- Store a number: Press > (BOOK) after the number (while on hook).
- Enter redial and CLIP: Press < (REDIAL) in standby mode.
- Message: Press **R** (MAIL) while on hook.
- Mute the ringer temporarily: Press √ (MUTE) when the telephone is ringing
- Mute the microphone: Press √ (MUTE) when the telephone is off hook
- Recall a number: Press the **INT** key if residential system, otherwise press the **R** key
- Pause(-): Hold * for one second
- Change from pulse to DTMF(T): Hold √ for 2 seconds

Chapter 7 Troubleshooting

Improper function of the handset might be related to the installation of the Spectralink solution or failures related to the main system. Before declaring a handset for repair be sure that the main system is operating properly.

The following is a list of the most frequent issues.

Problem	Possible solution
The telephone freezes	Remove and replace the battery pack. Press Power to turn on the telephone
The telephone does not ring	Check whether the ringer is SILENT or RINGER VOL. is OFF
The telephone cannot find a system ID at SUBSCRIPTION CREATE	Check whether the system is set to allow subscriptions
The telephone cannot subscribe even if system ID has been found	Check if Access Code is necessary
It is not possible to turn on the telephone	Check if battery is connected. If yes, charge the battery
The telephone turns off when receiving a call and going off-hook	Charge the battery. If still a problem change the battery as it might be defective.

Chapter 8: Technical information

Approvals

- Acoustics:TBR10
- Electrical:TBR6 (DECT RF)
- Access profile:TBR 22 (GAP)
- EMC:
 - EN 301 489 -1/-6
 - EN 301 406
 - EN 60950-1
 - EN 50371
 - EN 61000-3-2
 - EN 61000-3-3

Size and Weight

- Size:149 x 50 x 28 mm
- Weight:123 g including battery \pm 10 g


Capacity

- Active talking time 12 hours
- Stand-by time150 hours

Power Output


Maximum average output power emitted in average of six minutes: <20.0 mW.

International Regulatory and Product Information

	This Spectralink product has been marked with the CE mark. This mark indicates compliance with EEC Directives 89/336/EEC, 73/23/EEC 1999/5/EC. A full copy of the Declaration of Conformity can be obtained from Spectralink Europe ApS, Langmarksvej 34, DK-8700 Horsens.
---	--

Cesky [Czech]:	Spectralink tímto prohlašuje, že tento Spectralink 7420/7440 Handset je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ES.
Dansk [Danish]:	Undertegnede Spectralink erklærer herved, at følgende udstyr Spectralink 7420/7440 Handset overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.
Deutsch [German]:	Hiermit erkläre Spectralink, dass sich das Gerät Spectralink 7420/7440 Handset in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 1999/5/EG befindet.
Eesti [Estonian]:	Käesolevaga kinnitab Spectralink seadme Spectralink 7420/7440 Handset vastavust direktiivi 1999/5/EÜ põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.
English:	Hereby, Spectralink. declares that this Spectralink 7420/7440 Handset 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 7420/7440 Handset 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 7420/7440 handset 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 Spectralink 7420/7440 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 7420/7440 Handset 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 7420/7440 Handset er í samræmi við grunnkröfur og aðrar kröfur, sem gerðar eru í tilskipun 1999/5/EC
Latviski [Latvian]:	Ar šo Spectralink deklare, ka Spectralink 7420/7440 Handset atbilst Direktivas 1999/5/EK būtiskajam prasibam un citiem ar to saistitajiem noteikumiem.
Lietuviu [Lithuanian]:	Šiuo Spectralink deklaruoja, kad šis Spectralink 7420/7440 Handset atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas.
Nederlands [Dutch]:	Hierbij verklaart Spectralink dat het toestel Spectralink 7420/7440 Handset 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 relevanti li hemm fid-Dirrettiva 1999/5/EC.

Magyar [Hungarian]:	Alulírott, Spectralink nyilatkozom, hogy a Spectralink 7420/7440 Handset megfelel a vonatkozó alapvető követelményeknek és az 1999/5/EC irányelv egyéb előírásainak.
Norsk [Norwegian]:	Spectralink erklærer herved at utstyret Spectralink 7420/7440 Handset er i samsvar med de grunnleggende krav og øvrige relevante krav i direktiv 1999/5/EF.
Polski [Polish]:	Niniejszym Spectralink oświadcza, że Spectralink 7420/7440 Handset jest zgodne z zasadniczymi wymaganiami oraz innymi stosownymi postanowieniami Dyrektywy 1999/5/WE
Português [Portuguese]:	Spectralink declara que este Spectralink 7420/7440 Handset está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE.
Slovensko [Slovenian]:	Spectralink izjavlja, da je ta Spectralink 7420/7440 Handset v skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 1999/5/ES.
Slovensky [Slovak]:	Spectralink týmto vyhlasuje, že Spectralink 7420/7440 Handset splna základné požiadavky a všetky príslušné ustanovenia Smernice 1999/5/ES.
Suomi [Finnish]:	Spectralink vakuuttaa täten että Spectralink 7420/7440 Handset tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.
Svenska [Swedish]:	Härmed intygar Spectralink att denna Spectralink 7420/7440 Handset står i överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.

	The WEEE Marking on this equipment indicates that the product must not be disposed of with unsorted waste, but must be collected separately.
--	--

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 overheating. 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 power source.
- 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. 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.

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 wireless phone to direct sunlight for long periods. Keep the wire-less 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

- Periodically clean the charge contacts on both the charger and handset.
- 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.
- 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.
- During charging batteries heat up. This is normal and not dangerous.
- 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

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.

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.

Modifications not expressly approved by this company could void the user's authority to operate the equipment.

SAR - Exposure to Radio Frequency (RF) Signals:

These devices have been tested for SAR compliance for head and body worn configurations. The highest reported SAR values are:

Spectralink 7420: Head 0.037 W/kg and body worn 0.01 W/kg.

Spectralink 7440: Head 0.037 W/kg and body worn 0.01 W/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.

The Class [B] digital apparatus complies with Canadian ICES-003. Cet appareil numérique de la class [B] est conforme à la norme NMB-003 du Canada.

Power Outage:

In the event of a power outage, your wireless telephone will not operate. The wireless 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 user 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.

Limited Warranty

This limited, non-transferable warranty is provided to the original purchaser. The product is warranted to be free from defects in materials and workmanship under normal installation, use and service for a period of one (1) year from the date of purchase as shown on the purchaser's receipt. Our obligation under this warranty is limited to repair or replacement (at our option) of the product or any part(s) which are defective provided that the product is returned to the original place of purchase or an authorized service location during the warranty period. Products returned must be accompanied by a copy of the purchase receipt. In the absence of a purchase receipt, the warranty period shall be one (1) year from the date of manufacture. Repair or replacement of the product is your sole and exclusive remedy.

If the product is repaired, reconditioned component parts or materials may be used. If the product is replaced, we may replace it with a new or reconditioned product of the same or similar design. The repaired product will be warranted for either (a) 90 days or (b) the remainder of the original one (1) year warranty period, whichever is longer.

This warranty does not apply to the defects outside of our control, including but not limited to acts of God, fire, flood and damage while in transit to service facility. We do not warranty that the product will be compatible with any telephone equipment, systems or party lines.

This warranty shall be void if the product is damaged as a result of defacement, misuse, abuse, neglect, accident, destruction or alteration of the serial number, improper electrical voltages or currents, repair, alteration or maintenance by any person or party other than our authorized service facility, or any violation of instructions furnished by us.

This warranty is also void if this product is removed from the country in which it was purchased by the original purchaser, if it is used in a country in which it is not registered for use, or if it is used in a country for which it was not designed. Due to variations in telephone systems and communications laws, this product may be illegal for use in some countries. We assume no responsibilities for damages or penalties incurred resulting from

the use of this product in a manner or location other than that for which it was intended.

THIS LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES EXPRESS OR IMPLIED. ANY IMPLIED WARRANTIES INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL BE LIMITED TO THE DURATION OF THIS WRITTEN LIMITED WARRANTY. WE DISCLAIM ANY LIABILITY FOR DAMAGES FOR LOSS OF USE OF THE PRODUCTS, LOSS OF TIME, INCONVENIENCE, INJURY TO ANY PERSON, OR DAMAGE TO PROPERTY CAUSED BY THE PRODUCT, LOSS OF REVENUE OR PROFIT OR DAMAGES FOR ANY FAILURE TO PERFORM. IN NO EVENT SHALL WE BE LIABLE FOR ANY SPECIAL, INCIDENTAL, PUNITIVE OR CONSEQUENTIAL DAMAGES EVEN IF WE ARE ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.

This warranty is the sole and exclusive warranty provided for the product. There are no other express warranties. This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.

Spectralink Product Warranty Statement

The software included in this Product (including, without limitation, firmware and all updated thereto, including any software that may be downloaded electronically via the internet or otherwise (the "Software") is licensed, not sold. Customer shall not reverse compile, disassemble or otherwise reverse engineer, embed within any other software product, or modify in any manner with respect thereto, the Software in whole or in part.

THE TERMS AND CONDITIONS APPLICABLE TO SPECTRALINK'S LIMITED WARRANTY ARE AS SET FORTH BELOW (AND ARE ALSO INCLUDED IN THE DOCUMENTATION PACKAGED WITH NEW SPECTRALINK PRODUCTS):

LIMITED WARRANTY. Spectralink warrants to the end user ("Customer") that the product will be free from defects in workmanship and materials, under normal use and service, for one year, or such longer period as Spectralink may announce publicly from time to time for particular products, from the date of purchase from Spectralink or its authorized reseller. Spectralink's sole obligation under this express warranty shall be, at Spectralink's option and expense, to repair the defective product or part, deliver to Customer an equivalent product or part to replace the defective item, or if neither of the two foregoing options is reasonably available, Spectralink may, in its sole discretion, refund to Customer the purchase price paid for the defective product. All products that are replaced will become the property of Spectralink. Replacement products or parts may be new or reconditioned. Spectralink warrants any replaced or repaired product or part for ninety (90) days from shipment, or the remainder of the initial warranty period, whichever is longer. Products returned to Spectralink must be sent prepaid and packaged appropriately for safe shipment, and it is recommended that they be insured or sent by a method that provides for tracking of the package. Responsibility for loss or damage does not transfer to Spectralink until the returned item is received by Spectralink. The repaired or replaced item will be shipped to Customer, at Spectralink's expense, not later than thirty (30) days after Spectralink receives the defective product, and Spectralink will retain risk of loss or damage until the item is delivered to Customer.

EXCLUSIONS. Spectralink will not be liable under this limited warranty if its testing and examination disclose that the alleged defect or malfunction in the product does not exist or results from:

- Failure to follow Spectralink's installation, operation, or maintenance instructions.
- 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.

WARRANTY EXCLUSIVE. IF A SPECTRALINK PRODUCT DOES NOT OPERATE AS WARRANTED ABOVE, CUSTOMER'S SOLE REMEDY FOR BREACH OF THAT WARRANTY SHALL BE REPAIR, REPLACEMENT, OR REFUND OF THE PURCHASE PRICE PAID, AT SPECTRALINK'S OPTION. TO THE FULL EXTENT ALLOWED BY LAW, THE FOREGOING WARRANTIES AND REMEDIES ARE EXCLUSIVE AND ARE IN LIEU OF ALL OTHER WARRANTIES, TERMS, OR CONDITIONS,

EXPRESS OR IMPLIED, EITHER IN FACT OR BY OPERATION OF LAW, STATUTORY OR OTHERWISE, INCLUDING WARRANTIES, TERMS, OR CONDITIONS OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, SATISFACTORY QUALITY, CORRESPONDENCE WITH DESCRIPTION, AND NON-INFRINGEMENT, ALL OF WHICH ARE EXPRESSLY DISCLAIMED. SPECTRALINK NEITHER ASSUMES NOR AUTHORIZES ANY OTHER PERSON TO ASSUME FOR IT ANY OTHER LIABILITY IN CONNECTION WITH THE SALE, INSTALLATION, MAINTENANCE OR USE OF ITS PRODUCTS.

SUPPORT & SERVICE AGREEMENTS. If you purchased your product from a Spectralink Authorized Reseller, contact the Authorized Reseller for information about support and service agreements applicable to your product. For information on Spectralink service, go to the Spectralink web site www.spectralink.com or contact your local Spectralink Office, as listed on the Spectralink Web site.

LIMITATION OF LIABILITY. TO THE FULL EXTENT ALLOWED BY LAW, SPECTRALINK EXCLUDES FOR ITSELF AND ITS SUPPLIERS ANY LIABILITY, WHETHER BASED IN CONTRACT OR TORT (INCLUDING NEGLIGENCE), FOR INCIDENTAL, CONSEQUENTIAL, INDIRECT, SPECIAL, OR PUNITIVE DAMAGES OF ANY KIND, OR FOR LOSS OF REVENUE OR PROFITS, LOSS OF BUSINESS, LOSS OF INFORMATION OR DATA, OR OTHER FINANCIAL LOSS ARISING OUT OF OR IN CONNECTION WITH THE SALE, INSTALLATION, MAINTENANCE, USE, PERFORMANCE, FAILURE, OR INTERRUPTION OF ITS PRODUCTS, EVEN IF SPECTRALINK OR ITS AUTHORIZED RESELLER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, AND LIMITS ITS LIABILITY TO REPAIR, REPLACEMENT, OR REFUND OF THE PURCHASE PRICE PAID, AT SPECTRALINK'S OPTION. THIS DISCLAIMER OF LIABILITY FOR DAMAGES WILL NOT BE AFFECTED IF ANY REMEDY PROVIDED HEREIN SHALL FAIL OF ITS ESSENTIAL PURPOSE.

DISCLAIMER. Some countries, states, or provinces do not allow the exclusion or limitation of implied warranties or the limitation of incidental or consequential damages for certain products supplied to consumers, or the limitation of liability for personal injury, so the above limitations and exclusions may be limited in their application to you. When the implied warranties are not allowed to be excluded in their entirety, they will be limited to the duration of the applicable written warranty. This warranty gives you specific legal rights which may vary depending on local law.

GOVERNING LAW. This Limited Warranty and Limitation of Liability shall be governed by the laws of the State of California, U.S.A., and by the laws of the United States, excluding their conflicts of laws principles. The United Nations Convention on Contracts for the International Sale of Goods is hereby excluded in its entirety from application to this Limited Warranty and Limitation of Liability.

END-USER LICENSE AGREEMENT FOR SPECTRALINK SOFTWARE

IMPORTANT - READ CAREFULLY BEFORE USING THE SOFTWARE PRODUCT:

This End-User License Agreement ("Agreement") is a legal agreement between you (either an individual or a single entity) and Spectralink, B.V for the SPECTRALINK® SOFTWARE PRODUCT licensed by Spectralink, B.V in Europe, the Middle East, Africa, and Asia Pacific, or the SPECTRALINK SOFTWARE PRODUCT licensed by Spectralink, Inc. in the rest of the world

(collectively referred to herein as "SPECTRALINK"). The SOFTWARE PRODUCT includes computer software as attached hereto and may include associated media, printed materials, and "online" or electronic documentation ("SOFTWARE PRODUCT"). By clicking "I agree" or by installing, copying, or otherwise using the SOFTWARE

PRODUCT, you agree to be bound by the terms of this Agreement. If you do not agree to the terms of this Agreement, do not install or use the SOFTWARE PRODUCT, and return it to your place of purchase for a full refund. The SOFTWARE PRODUCT is protected by copyright laws and international copyright treaties, as well as other intellectual property laws and treaties. The SOFTWARE PRODUCT is licensed (not sold) to you, and its use is subject to the terms of this Agreement.

1. GRANT OF LICENSE.

Subject to the terms of this Agreement, SPECTRALINK grants to you a non-exclusive license to install and use the SOFTWARE PRODUCT on the SPECTRALINK product with which this SOFTWARE PRODUCT is supplied (the "PRODUCT"). You may use the SOFTWARE PRODUCT only in connection with the use of the PRODUCT. You are not permitted to lease, rent, distribute or sublicense the SOFTWARE PRODUCT or to use the SOFTWARE PRODUCT in a time-sharing arrangement or in any other unauthorized manner. Further, no license is granted to you in the human readable code of the SOFTWARE PRODUCT (source code). Except as provided below, this License Agreement does not grant you any rights to patents, copyrights, trade secrets, trademarks, or any other rights in respect to the SOFTWARE PRODUCT.

2. DESCRIPTION OF OTHER RIGHTS AND LIMITATIONS.

2.1 Limitations on Reverse Engineering, Decompilation, and Disassembly. You may not reverse engineer, decompile, or disassemble the SOFTWARE PRODUCT, except and only to the extent that such activity is expressly permitted by applicable law notwithstanding this limitation. The SOFTWARE PRODUCT is licensed as a single product. Its component parts may not be separated for use on more than one PRODUCT.

2.2 Back-up. Except as expressly provided for under this Agreement you may not copy the SOFTWARE PRODUCT; except, however, you may keep one copy of the SOFTWARE PRODUCT and, if applicable, one copy of any previous version, for back-up purposes, only to be used in the event of failure of the original. All copies of the SOFTWARE PRODUCT must be marked with the proprietary notices provided on the original SOFTWARE PRODUCT. You may not reproduce the supporting documentation accompanying the SOFTWARE PRODUCT.

2.3 Modifications. You may not modify, translate or create derivative works of the SOFTWARE PRODUCT.

2.4 Proprietary Notices. You may not remove or obscure any proprietary notices on or in the SOFTWARE PRODUCT or the supporting documentation.

2.5 Software Transfer. You may permanently transfer all of your rights under this Agreement, provided you retain no copies, you transfer all of the SOFTWARE PRODUCT (including all component parts, the media and printed materials, any upgrades, this Agreement, and, if applicable, the Certificate of Authenticity), and the recipient agrees to the terms of this Agreement.

If the SOFTWARE PRODUCT is an upgrade, any transfer must include all prior versions of the SOFTWARE PRODUCT. However, if the SOFTWARE PRODUCT is marked "Not for Resale" or "NFR", you may not resell it or otherwise transfer it for value.

2.6 Copyright. All title and copyrights in and to the SOFTWARE PRODUCT (including but not limited to any images, photographs, animations, video, audio, music, text, and "applets" incorporated into the SOFTWARE PRODUCT), the accompanying printed materials, and any copies of the SOFTWARE PRODUCT are owned by SPECTRALINK or its suppliers. The SOFTWARE PRODUCT is protected by copyright laws and international treaty provisions. Title, ownership rights, and intellectual property rights in the SOFTWARE PRODUCT shall remain in SPECTRALINK or its suppliers. Title and related rights in the content accessed through the SOFTWARE PRODUCT is the property of such content owner and may be protected by applicable law. This Agreement gives you no rights in such content.

2.7 Confidentiality. The SOFTWARE PRODUCT contains valuable proprietary information and trade secrets of SPECTRALINK and its suppliers and you shall protect the confidentiality of, and avoid disclosure and unauthorized use of, the SOFTWARE PRODUCT.

2.8 Dual-Media Software. You may receive the SOFTWARE PRODUCT in more than one medium. Regardless of the type or size of medium you receive, you may use only one medium that is appropriate for your single PRODUCT. You may not use or install the other medium on another PRODUCT.

2.9 Reservation. SPECTRALINK reserves all rights in the SOFTWARE PRODUCT not expressly granted to you in this Agreement.

3. SUPPORT SERVICES.

SPECTRALINK may provide you with support services related to the SOFTWARE PRODUCT ("SUPPORT SERVICES"). Use of SUPPORT SERVICES is governed

by the SPECTRALINK policies and programs described in the SPECTRALINK - provided materials. Any supplemental software code provided to you as part of the SUPPORT SERVICES is considered part of the SOFTWARE PRODUCT and is subject to the terms and conditions of this Agreement. With respect to technical information you provide to SPECTRALINK as part of the SUPPORT SERVICES, SPECTRALINK may use such information for its business purposes, including for product support and development. SPECTRALINK will not utilize such technical information in a form that personally identifies you.

4. TERMINATION.

Without prejudice to any other rights, SPECTRALINK may terminate this Agreement if you fail to comply with any of the terms and conditions of this Agreement. In such event, you must destroy all copies of the SOFTWARE PRODUCT and all of its component parts. You may terminate this Agreement at any time by destroying the SOFTWARE PRODUCT and all of its component parts.

5. UPGRADES.

If the SOFTWARE PRODUCT is labeled as an upgrade, you must be properly licensed to use the software identified by SPECTRALINK as being eligible for the upgrade in order to use the SOFTWARE PRODUCT. A SOFTWARE PRODUCT labeled as an upgrade replaces and/or

supplements the software that formed the basis for your eligibility for the upgrade. You may use the resulting upgraded SOFTWARE PRODUCT only in accordance with the terms of this Agreement. If the SOFTWARE PRODUCT is an upgrade of a component of a package of software programs that you licensed as a single product, the SOFTWARE PRODUCT may be used and transferred only as part of that single SOFTWARE PRODUCT package and may not be separated for use on more than one PRODUCT.

6. WARRANTY AND WARRANTY EXCLUSIONS.

6.1 Limited Warranty. SPECTRALINK warrants that (a) the SOFTWARE PRODUCT will perform substantially in accordance with the accompanying documentation for a period of ninety (90) days from the date of receipt by you, and (b) any SUPPORT SERVICES provided by SPECTRALINK shall be substantially as described in applicable written materials provided to you by SPECTRALINK, and SPECTRALINK support engineers will make commercially reasonable efforts to solve any problem issues. SPECTRALINK does not warrant that your use of the SOFTWARE PRODUCT will be uninterrupted or error free, or that all defects in the SOFTWARE PRODUCT will be corrected. SPECTRALINK's sole obligation under this express warranty shall be, at SPECTRALINK's option and expense, to refund the purchase price paid by you for any defective software product which is returned to SPECTRALINK with a copy or your receipt, or to replace any defective media with software which substantially conforms to applicable SPECTRALINK published specifications. Any replacement SOFTWARE PRODUCT will be warranted for the remainder of the original warranty period or thirty (30) days, whichever is longer.

6.2 Warranties Exclusive. IF THIS SOFTWARE PRODUCT DOES NOT OPERATE AS WARRANTED ABOVE, YOUR SOLE REMEDY FOR BREACH OF THAT WARRANTY SHALL BE REPAIR, REPLACEMENT, OR REFUND OF THE PURCHASE PRICE PAID, AT SPECTRALINK'S OPTION. TO THE FULL EXTENT ALLOWED BY LAW, THE FOREGOING WARRANTIES AND REMEDIES ARE EXCLUSIVE AND ARE IN LIEU OF ALL OTHER WARRANTIES, TERMS, OR CONDITIONS, EXPRESS OR IMPLIED, EITHER IN FACT OR BY OPERATION OF LAW, STATUTORY OR OTHERWISE, INCLUDING WARRANTIES, TERMS, OR CONDITIONS OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, SATISFACTORY QUALITY, CORRESPONDENCE WITH DESCRIPTION, AND NON-INFRINGEMENT, ALL OF WHICH ARE EXPRESSLY DISCLAIMED. SPECTRALINK NEITHER ASSUMES NOR AUTHORIZES ANY OTHER PERSON TO ASSUME FOR IT ANY OTHER LIABILITY IN CONNECTION WITH THE SALE, INSTALLATION, MAINTENANCE OR USE OF THIS SOFTWARE PRODUCT. SPECTRALINK SHALL NOT BE LIABLE UNDER THIS WARRANTY IF ITS TESTING AND EXAMINATION DISCLOSE THAT THE ALLEGED DEFECT OR MALFUNCTION IN THE SOFTWARE PRODUCT DOES NOT EXIST OR WAS CAUSED BY YOUR OR ANY THIRD PERSON'S MISUSE, NEGLIGENCE, IMPROPER INSTALLATION OR TESTING, UNAUTHORIZED ATTEMPTS TO MODIFY THE PRODUCT, OR ANY OTHER CAUSE BEYOND THE RANGE OF THE INTENDED USE, OR BY ACCIDENT, FIRE, LIGHTNING, POWER CUTS OR OUTAGES, OTHER HAZARDS, OR ACTS OF GOD.

7. LIMITATION OF LIABILITY.

TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, IN NO EVENT SHALL SPECTRALINK OR ITS SUPPLIERS BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT, OR CONSEQUENTIAL DAMAGES WHATSOEVER (INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF BUSINESS PROFITS, BUSINESS INTERRUPTION, LOSS OF

BUSINESS INFORMATION, OR ANY OTHER PECUNIARY LOSS) ARISING OUT OF THE USE OF OR INABILITY TO USE THE SOFTWARE PRODUCT OR THE PROVISION OF OR FAILURE TO PROVIDE SUPPORT SERVICES, EVEN IF SPECTRALINK HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. IN ANY CASE, SPECTRALINK'S ENTIRE LIABILITY SHALL BE LIMITED TO THE GREATER OF THE AMOUNT ACTUALLY PAID BY YOU FOR THE SOFTWARE PRODUCT OR U.S. \$5.00. PROVIDED, HOWEVER, IF YOU HAVE ENTERED INTO A SPECTRALINK SUPPORT SERVICES AGREEMENT, SPECTRALINK'S ENTIRE LIABILITY REGARDING SUPPORT SERVICES SHALL BE GOVERNED BY THE TERMS OF THAT AGREEMENT.

8. DISCLAIMER.

Some countries, states, or provinces do not allow the exclusion or limitation of implied warranties or the limitation of incidental or consequential damages for certain products supplied to consumers, or the limitation of liability for personal injury, so the above limitations and exclusions may be limited in their application to you. When the implied warranties are not allowed to be excluded in their entirety, they will be limited to the duration of the applicable written warranty. This warranty gives you specific legal rights which may vary depending on local law.

9. EXPORT CONTROLS.

The SOFTWARE PRODUCT may not be downloaded or otherwise exported or re-exported (i) into (or to a national or resident of) Cuba, Iraq, Libya, North Korea, Yugoslavia, Iran, Syria, Republic of Serbia, or any other country to which the U.S. has embargoed goods; or (ii) to anyone on the U.S. Treasury Department's list of Specially Designated Nationals or the U.S. Commerce Department's Table of Denial Orders. By downloading or using the SOFTWARE PRODUCT, you are agreeing to the foregoing and you are representing and warranting that you are not located in, under the control of, or a national or resident of any such country or on any such list. If you obtained this SOFTWARE PRODUCT outside of the United States, you are also agreeing that you will not export or re-export it in violation of the laws of the country in which it was obtained.

10. MISCELLANEOUS.

10.1 Governing Law. This Agreement shall be governed by the laws of the State of California as such laws are applied to agreements entered into and to be performed entirely within California between California residents, and by the laws of the United States. The United Nations Convention on Contracts for the International Sale of Goods (1980) is hereby excluded in its entirety from application to this Agreement.

10.2 General. This Agreement represents the complete agreement concerning this license and may amended only by a writing executed by both parties. If any provision of this Agreement is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable.

10.3 Contact. If you have any questions concerning this Agreement, or if you desire to contact SPECTRALINK for any reason, please contact the SPECTRALINK office serving your country.

10.4 U.S. Government Restricted Rights. The SOFTWARE PRODUCT and documentation are provided with RESTRICTED RIGHTS. The SOFTWARE PRODUCT programs and documentation are deemed to be "commercial computer software" and "commercial computer

software documentation", respectively, pursuant to DFAR Section 227.7202 and FAR 12.212(b), as applicable. Any use, modification, reproduction, release, performance, display or disclosure of the SOFTWARE PRODUCT programs and/or documentation by the U.S. Government or any of its agencies shall be governed solely by the terms of this Agreement and shall be prohibited except to the extent expressly permitted by the terms of this Agreement. Any technical data provided that is not covered by the above provisions is deemed to be "technical data-commercial items" pursuant to DFAR Section 227.7015(a). Any use, modification, reproduction, release, performance, display or disclosure of such technical data shall be governed by the terms of DFAR Section 227.7015(b).

©2013 Spectralink Corporation. All rights reserved.

Specifications subject to change without notice.

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
www.Spectralink.com