

Spectralink Handset and Repeater Management Tool

# User Guide

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## Warranty

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## About This Guide

This guide explains how to use the Handset and Repeater Management Tool for handset management and repeater programming.

### Related Documentation

All Spectralink documents are available at <http://support.spectralink.com/>.

Safety and Handling information is available online at <http://support.spectralink.com/products>.

Regulatory information is available online at <http://support.spectralink.com/products>.

Subject	Documentation
Spectralink DECT Handset	For more information about the handset, refer to the user guide available online at <a href="http://support.spectralink.com/products">http://support.spectralink.com/products</a> .
Site Survey Function in Handset	For more information about the site survey function in handset, refer to the guide available online at <a href="http://support.spectralink.com/products">http://support.spectralink.com/products</a> .
Synchronization and Deployment	For more information about synchronization and deployment, refer to the guide available online at <a href="http://support.spectralink.com/products">http://support.spectralink.com/products</a> .
Spectralink IP-DECT/DECT Server	For more information about the server, refer to the guide available online at <a href="http://support.spectralink.com/products">http://support.spectralink.com/products</a> .
Spectralink IP-DECT/DECT Base Station	For more information about the base station, refer to the guide available online at <a href="http://support.spectralink.com/products">http://support.spectralink.com/products</a> .
Spectralink DECT Repeater	For more information about the repeater, refer to the guide available online at <a href="http://support.spectralink.com/products">http://support.spectralink.com/products</a> .
Provisioning	For more information about provisioning, refer to the guide available online at <a href="http://support.spectralink.com/products">http://support.spectralink.com/products</a> .
Spectralink Technical Bulletins	Available online at <a href="http://support.spectralink.com/products">http://support.spectralink.com/products</a> .
Release Notes	Document that describes software changes, bug fixes, outstanding issues, and hardware compatibility considerations for new software releases. Available online at <a href="http://support.spectralink.com/products">http://support.spectralink.com/products</a> .

Subject	Documentation
Spectralink DECT Training material	<p>In order to gain access to the Spectralink training material, you must attend training and become Spectralink Certified Specialist.</p> <p>Please visit <a href="http://partneraccess.spectralink.com/training/classroom-training">http://-partneraccess.spectralink.com/training/classroom-training</a> for more information and registration.</p>

# Handset and Repeater Management Tool

The Handset and Repeater Management Tool is used for:

- Configuration, customization, and firmware update of Spectralink DECT Handset 7202/7212, 7502, 7522/7532, 7622/7642, 7722/7742 and Butterfly.



**Note:**

You cannot use the Handset and Repeater Management Tool for handset registration and some other specialized features (e.g. deployment level, message list content, MSF tones, local tones), these must be configured manually on the Spectralink DECT Handset.

For more information, see also Handset User Guides.

- Repeater programming

For more information, see also DECT Repeater Installation Guide.



**Note:**

If you need to update the repeater software, contact [Technicalsupport@spectralink.com](mailto:Technicalsupport@spectralink.com).

To use all the features of the Handset and Repeater Management Tool, you need the following:

- The appropriate Handset Management Cradle and USB cable for the cradle.

The USB cable shall only be connected when updating the handset's firmware or using the Handset and Repeater Management Tool and must be removed when Handset Management Cradle is used for charging only. For more information, see Handset User Guides.



- The Spectralink Repeater Programming Kit. For more information, see DECT Repeater Installation Guide.



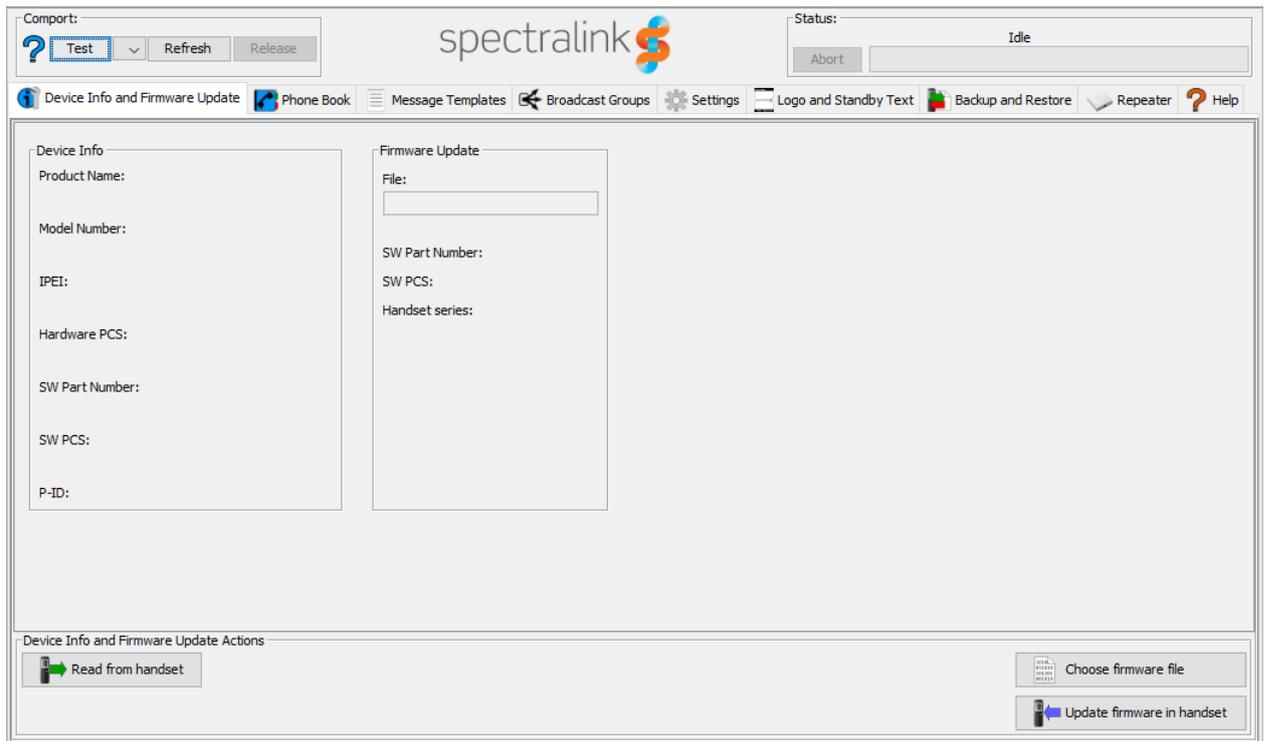
- The Handset and Repeater Management Tool to be downloaded from <http://support.spectralink.com/products> under therelevant handset/repeater.

- The latest USB COM driver to be downloaded from <http://www.ftdichip.com/Drivers/VCP.htm>. You can also download the Installation Guide for the driver from <http://www.ftdichip.com/Documents/InstallGuides.htm>.

## Overview of User Interface

The Handset and Repeater Management Tool main window has four main areas:

Area	Description
Comport panel	Used for handling Spectralink USB devices/chargers.
Status bar	Shows the current status of running actions.
Tabbed pages	Used for management of: <ul style="list-style-type: none"> <li>• Device Info and Firmware Update (only relevant to handset management)</li> <li>• Phone book (only relevant to handset management)</li> <li>• Message Templates (only relevant to handset management)</li> <li>• Broadcast Groups (only relevant to handset management)</li> <li>• Settings (only relevant to handset management)</li> <li>• Advanced Settings (only relevant to handset management)</li> <li>• Logo and Standby Text (only relevant to handset management)</li> <li>• Backup and Restore (only relevant to handset management)</li> <li>• Repeater configuration (only relevant to repeater configuration)</li> </ul>
Actions panel (in the bottom)	Used for applying configurations and load/read from handset/repeater/files.



# Managing Spectralink DECT Handsets

You can manage the Spectralink DECT Handset configuration using the Handset and Repeater Management Tool.



**Note:**

To manage the Spectralink DECT Handset using the Handset and Repeater Management Tool, the following is required:

- Acquisition of a Handset Management Cradle.
- Download and installment of Handset and Repeater Management Tool.
- Physical access to each Spectralink DECT Handset to be updated.
- The Spectralink DECT Handsets must be fully charged, turned on and placed in the Handset Management Cradle and the USB cable connected to the computer's USB port before you start managing the Spectralink DECT Handsets.
- The screen lock feature in the Spectralink DECT Handsets 7522/7532/7622/7642 and 7722/7742 must be disabled before you start managing the Spectralink DECT Handsets.
- A comport must be selected and activated through the user interface of the Handset and Repeater Management Tool (comport panel - upper left corner).

In the following you will find information about how to:

- [Update handset firmware](#)
- [Manage phone book and speed dial list](#)
- [Manage message templates](#)
- [Define broadcast groups](#)
- [Manage settings](#)
- [Manage logo and standby text](#)
- [Make a backup and restore of handset configuration](#)

## Managing Firmware Update

Using the Handset and Repeater Management Tool you can update the Spectralink DECT Handset firmware. You can also read device information for the handset.



**Note:**

The Spectralink DECT Handset firmware can also be updated:

- Over the Air (SUOTA - Software Update Over The Air) through the web based Administration Page of the Spectralink IP-DECT/DECT Server. For more information, see relevant Installation and Configuration Guides.
- Provisioning. For more information, see relevant Provisioning Guide.

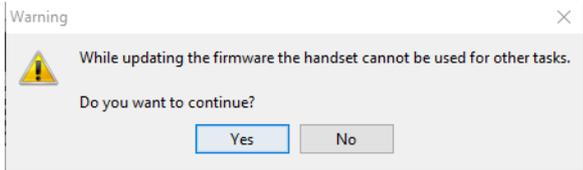
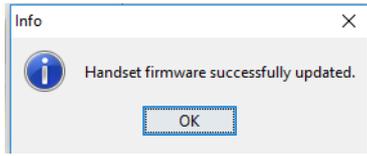


**Note:**

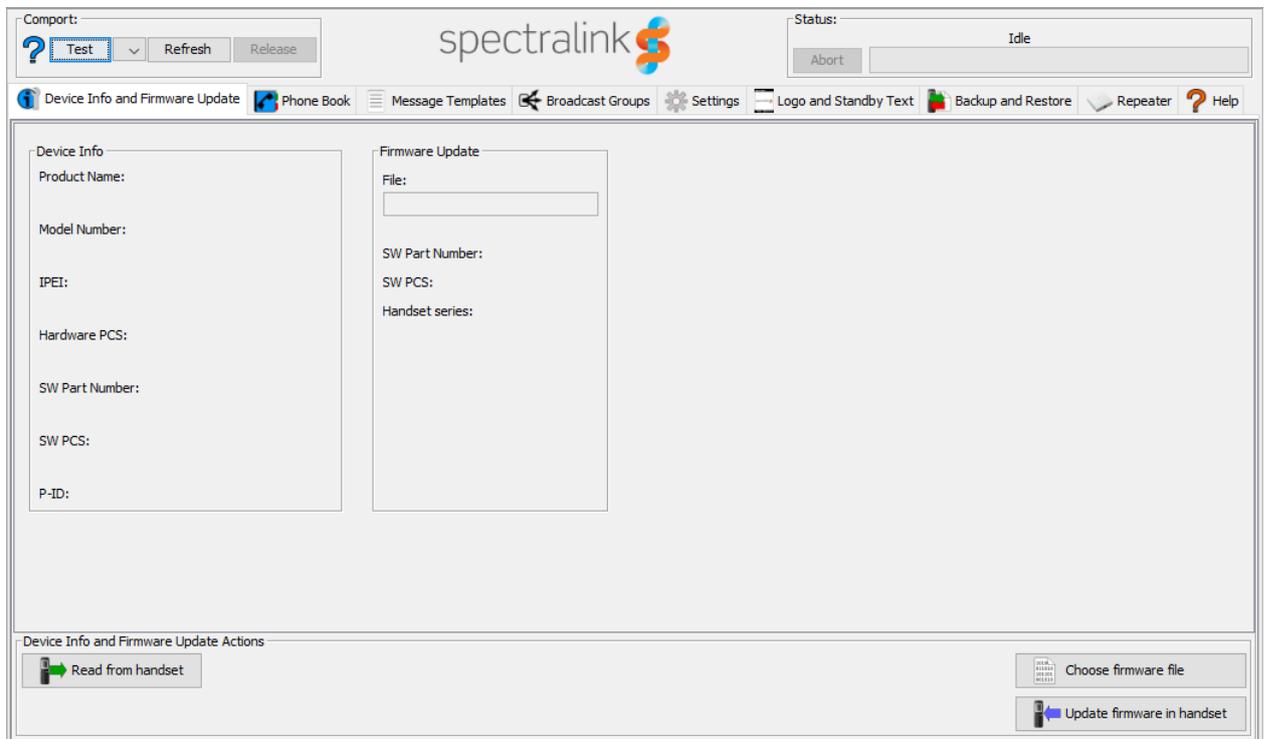
The Spectralink DECT Handset 7502 must run PCS Q2-2018 or newer.

## To Update Spectralink DECT Handset Firmware

1. Place the relevant handset in the Handset Management Cradle.
2. Under **Comport** (upper left corner), select the appropriate comport from the list.
3. Click the **Device Info and Firmware Update** tab.
4. On the **Device Info and Firmware Update** tab, you can do the following:

Field	Setting
<b>Device Info and Firmware Update - Device Info and Firmware Update Actions</b>	
Read from handset	Click <b>Read from handset</b> if you want to read device information.
Choose firmware	<p>Click <b>Choose firmware file</b> if you want to update handset firmware.</p> <p>In the appearing <b>Open</b> dialog box, locate the relevant file, and then click <b>Open</b>.</p> <p>Firmware information is now displayed under <b>Firmware Update</b>. To save the firmware to the handset that is placed in the Handset Management Cradle, click <b>Update firmware in handset</b>.</p>
Update firmware in handset	<p>If a firmware file has been selected, click <b>Update firmware in handset</b> to update the firmware in the handset placed in the Handset Management Cradle.</p> <p>In the appearing <b>Warning</b> dialog box, click <b>Yes</b> to continue updating.</p>  <p>In the appearing <b>Info</b> box, click <b>OK</b>.</p>  <p>If you want to update more handsets, you just replace the handset in the Handset Management Cradle with another handset, and click <b>Update firmware in handset</b> again.</p>

Field	Setting
<b>Device Info and Firmware Update - Device Info</b>	
Product Name	E.g. Spectralink 7622
Model Number	E.g. 7622
IPEI	E.g. 05003 0551549
Hardware PCS	E.g. 6
SW Part Number	E.g. 1422 5100
SW PCS	E.g. 17II
P-ID	E.g. 0021 479F 235B BC38
<b>Device Info and Firmware Update - Firmware Update</b>	
File	E.g. 14225100-PP75-76-77x2-PCS-18AA.hsx
SW Part Number	E.g. 1422 5100
SW PCS	E.g. 18AA (after update)
Handset series	E.g. 75x2, 76x2, 77x2



## Managing Phone Book and Speed Dial List

Using the Handset and Repeater Management Tool you can:

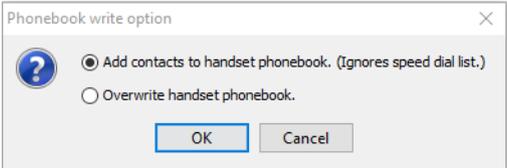
- Store, change and delete numbers/SIP URIs and names in the phone book and speed dial list.
- Save phone book to a file or load a phone book from a file.
- Copy and share phone books and speed dial lists with other handsets.

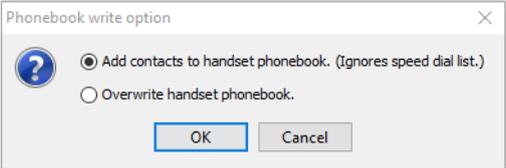
For more information about phone book capacity and storage of numbers/SIP URIs, see the relevant Handset User Guides.

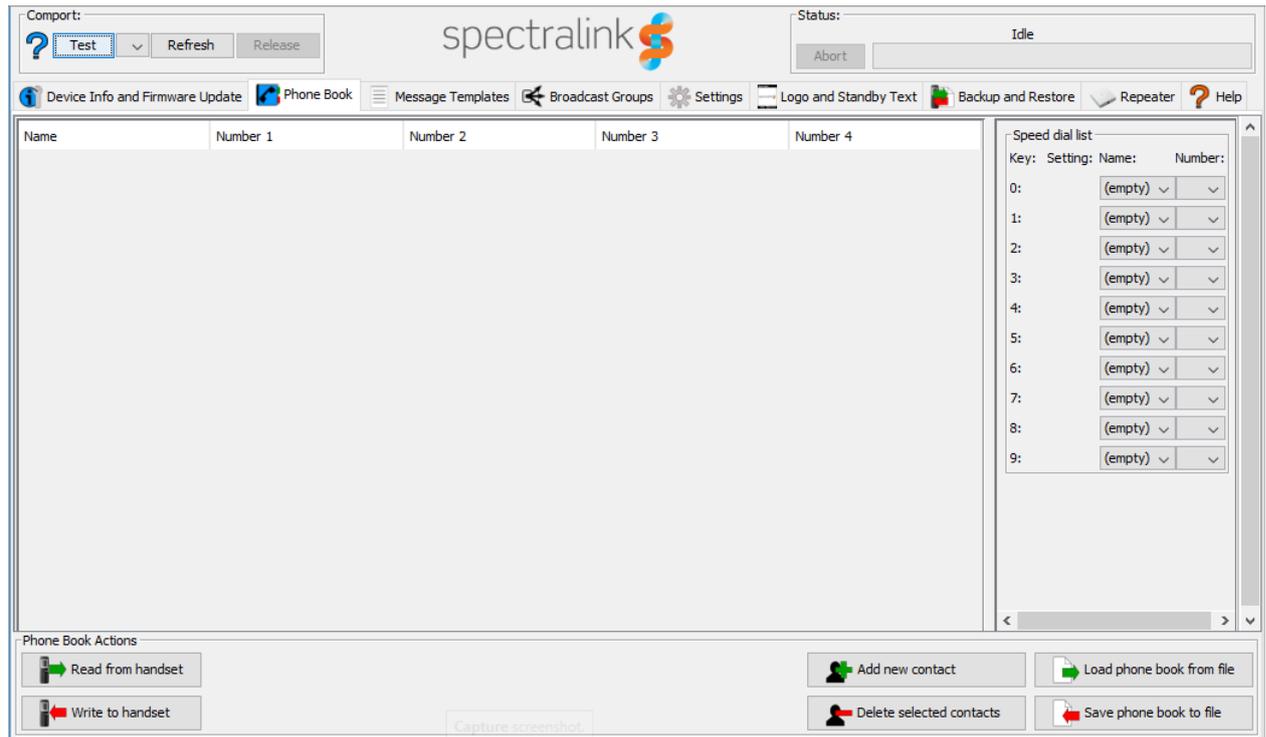
### How to Manage Phone Book and Speed Dial List

1. Under **Comport** (upper left corner), select the appropriate comport from the list.
2. Place the relevant handset in the Handset Management Cradle.
3. Click the **Phone Book** tab.
4. On the **Phone Book** tab, you can do the following:

Field	Setting
<b>Phone Book - Phone Book Actions</b>	
Read from handset	<p>Click <b>Read from handset</b> if you want to read the names and numbers//SIP URIs from the handset (if any).</p> <p>The <b>Status Bar</b> shows read data process.</p> <p>Results will be shown in the area to the left.</p> <p>It is possible to share phone book and speed dial list with other handsets or save the phone book to a file. For more information about sharing phone book and speed dial list, see "<a href="#">Sharing the Phone Book and Speed Dial list with other Handsets</a>" on page 17.</p>

Field	Setting
Write to handset	<p>Click <b>Write to handset</b> if you want to e.g. save numbers/SIP URIs to the phone book in the handset or overwrite existing phone book.</p> <p>In the appearing <b>Phonebook write option</b> dialog box, click either <b>Add contacts to handset phonebook</b> or <b>Overwrite handset phonebook</b>, and then click <b>OK</b>.</p>  <p>It is possible to share phone book and speed dial list with other handsets. For more information about sharing phone book and speed dial list with other handsets, see <a href="#">"Sharing the Phone Book and Speed Dial list with other Handsets"</a> on page 17.</p>
Add new contact	<p>Click <b>Add new contact</b> if you want to add new contact to the list.</p> <p>Enter name and number/SIP URI. Repeat this step as many times as required.</p> <p>When finished, you can click <b>Write to handset</b> to save the numbers/SIP URIs to the phone book in the handset placed in the Handset Management Cradle, or click <b>Save phone book to file</b> to save numbers/SIP URIs in a file.</p>
Delete selected contacts	<p>If you want to delete contacts from the phone book, select the relevant rows from the list (area to the left) and click <b>Delete selected contacts</b>.</p> <p>You can use <b>Ctrl</b> or <b>Shift</b> on the keyboard when selecting (clicking on) the contacts.</p>

Field	Setting
Load phone book from file	<p>If you have a phone book saved to a file, you can load this file into the handset that is placed in the Handset Management Cradle.</p> <p>Click <b>Load phone book from file</b>. In the appearing <b>Open</b> dialog box, locate the relevant file, and then click <b>Open</b>. The phone book data is only displayed in the Handset and Repeater Management Tool.</p> <p>To save the phone book to the handset that is placed in the Handset Management Cradle, click <b>Write to handset</b>.</p> <p>In the appearing <b>Phonebook write option</b> dialog box, click either <b>Add contacts to handset phonebook</b> or <b>Overwrite handset phonebook</b>, and then click <b>OK</b>.</p> 
Save phone book to file	<p>Click <b>Save phone book to file</b> if you want to save a handset's phonebook to a file.</p> <p>In the appearing <b>Save As</b> dialog box, enter a file name, locate relevant folder, and then click <b>Save</b>.</p>
<b>Phone Book - Area to the left</b>	
	<p>List of names and numbers/SIP URIs in the phone book will be shown in this area if clicking <b>Read from handset</b> (if any).</p> <p>It is possible to make changes to contacts or delete contacts by selecting the relevant rows from the list, and clicking <b>Delete selected contacts</b>.</p> <p>Click <b>Write to handset</b> to save the changes.</p>
<b>Phone Book - Speed dial list</b>	
Speed dial 0 - 9	<p>If you want to create a speed dial list, configure the <b>Speed Dial list</b> by selecting names and numbers from the list for each speed dial (0 -9).</p> <p>If you want to delete a speed dial, select <b>(empty)</b> from the lists for the relevant speed dial (0 - 9).</p> <p>Click <b>Write to handset</b> to save the changes.</p>



## Sharing the Phone Book and Speed Dial list with other Handsets

You can make a copy of a phone book and speed dial list or save the phone book to a file (see [Save phone book to file](#)) to share it with other handsets.

### Copy and Share the Phone Book and Speed Dial list

1. Place the handset whose phone book and speed dial list you want to share in the Handset Management Cradle.
2. Click the **Phone Book** tab.
3. Click **Read from handset** to read the names and numbers/SIP URIs in the handset.
4. Remove the handset from the Handset Management Cradle, and then place another handset in the Handset Management Cradle.
5. Click **Write to handset**. The **Phonebook write option** dialog appears.
6. Click **Overwrite handset phonebook**, and then click **OK**. The phone book and speed dials are now copied to the new handset.

## Managing Message Templates

Using the Handset and Repeater Management Tool, you can:

- Store, change and delete message templates.
- Save message template to a file or load a phone book from a file.
- Copy and share message templates with other handsets.



**Note:**

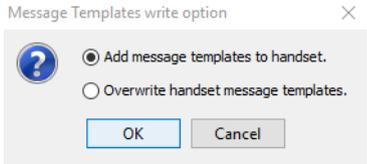
Spectralink DECT Handset 7522/7532, 7622/7642, 7722/7742 can store up to 10 message templates. A maximum of 180 characters, including spaces, are allowed for each message template.

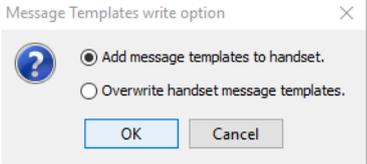
Spectralink DECT Handset 7202/7212 and Butterfly can store up to 8 message templates. A maximum of 72 characters, including spaces, are allowed for each message template.

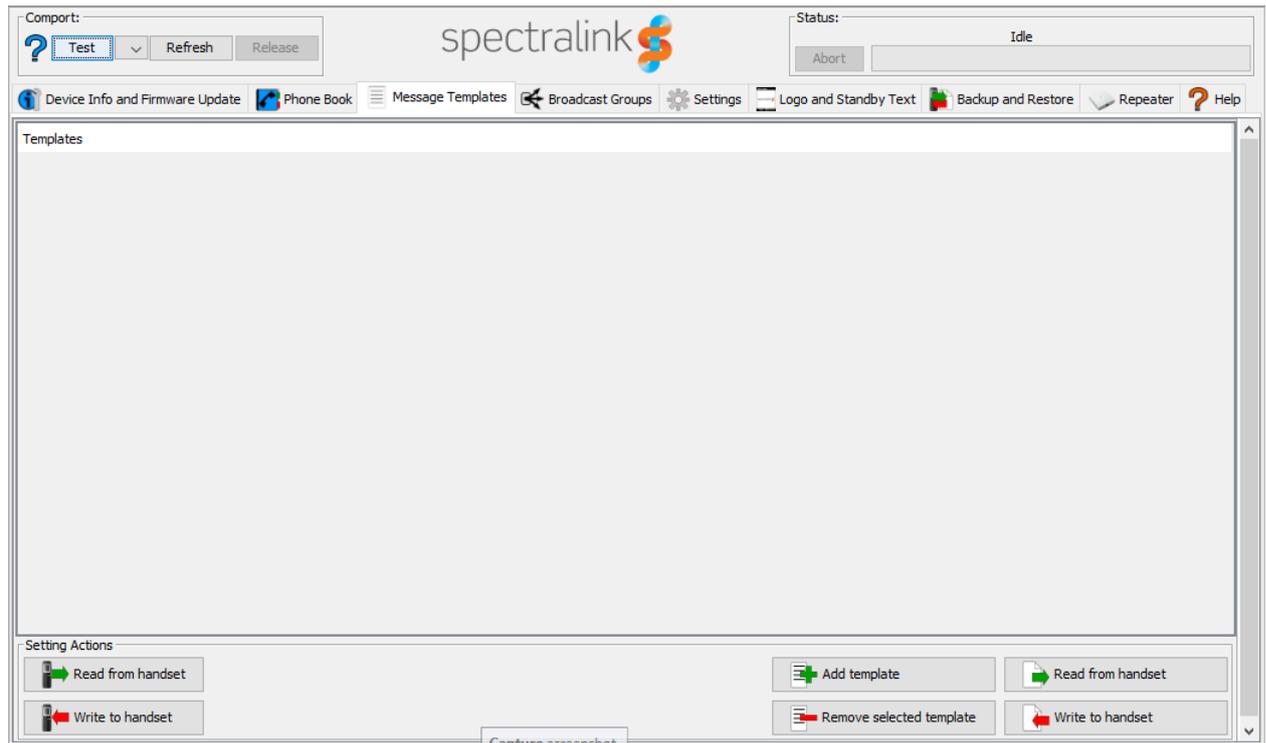
Spectralink DECT Handset 7502 does not support messaging.

## How to Manage Message Templates

1. Under **Comport** (upper left corner), select the appropriate comport from the list.
2. Place the relevant handset in the Handset Management Cradle.
3. Click the **Message Templates** tab.
4. On the **Message Templates** tab, you can do the following:

Field	Setting
<b>Message Templates - Message Templates Actions</b>	
Read from handset	<p>Click <b>Read from handset</b> if you want to read the message templates from the handset (if any).</p> <p>It is possible to make changes to the message templates by selecting the relevant template and make the appropriate change.</p> <p>It is also possible to share the message templates with other handsets or save the message templates to a file. For more information about sharing message templates, see "<a href="#">Sharing the Message Templates with other Handsets</a>" on page 21.</p>
Write to handset	<p>Click <b>Write to handset</b> if you want to e.g. save (changes to) message templates in the handset or overwrite existing message templates.</p> <p>In the appearing <b>Message Templates write option</b> dialog box, click either <b>Add message template to handset</b> or <b>Overwrite handset message templates</b>, and then click <b>OK</b>.</p> 
Add new template	<p>Click <b>Add new template</b> if you want to add new template to the list.</p> <p>Enter the desired message (upper area). Repeat this step as many times as required.</p> <p>When finished, you can click <b>Write to handset</b> to save the message template in the handset placed in the Handset Management Cradle, or click <b>Save template to file</b> to save message templates in a file.</p>

Field	Setting
Delete selected templates	<p>If you want to delete message templates, select the relevant rows from the list (upper area) and click <b>Delete selected templates</b>.</p> <p>You can use <b>Ctrl</b> or <b>Shift</b> on the keyboard when selecting (clicking on) the message templates.</p> <p>It is possible to delete all message templates in a connected handset by deleting them all, and then clicking <b>Write to handset</b> and clicking <b>Overwrite handset message templates</b>.</p>
Load templates from file	<p>If you have a message template saved to a file, you can load this file into the handset that is placed in the Handset Management Cradle.</p> <p>Click <b>Load templates from file</b>. In the appearing <b>Open</b> dialog box, locate the relevant file, and then click <b>Open</b>. The message template is only displayed in the Handset and Repeater Management Tool.</p> <p>To save the message template to the handset that is placed in the Handset Management Cradle, click <b>Write to handset</b>.</p> <p>In the appearing <b>Message Templates write option</b> dialog box, click either <b>Add message template to handset</b> or <b>Overwrite handset message templates</b>, and then click <b>OK</b>.</p> 
Save templates to file	<p>Click <b>Save templates to file</b> if you want to save a handset's message templates to a file.</p> <p>In the appearing <b>Save As</b> dialog box, enter a file name, locate relevant folder, and then click <b>Save</b>.</p>



## Sharing the Message Templates with other Handsets

You can make a copy of a message template or save the message template a file (see [Save templates to file](#)) to share it with other handsets.

### Copy and Share the Message Template

1. Place the handset whose message templates you want to share in the Handset Management Cradle.
2. Click the **Message Templates** tab.
3. Click **Read from handset** to read the message templates from the handset.
4. Remove the handset from the Handset Management Cradle, and then place another handset in the Handset Management Cradle.
5. Click **Write to handset**. The **Message Templates write option** appears.
6. Click **Overwrite handset message templates**, and click **OK**. The message templates are now copied to the new handset.

## Managing Broadcast Groups

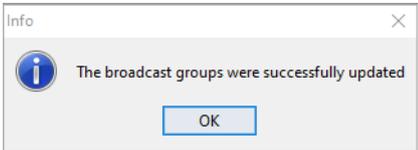
A handset can be member of up to 16 broadcast groups when using messaging.

Using the Handset and Repeater Management Tool you can:

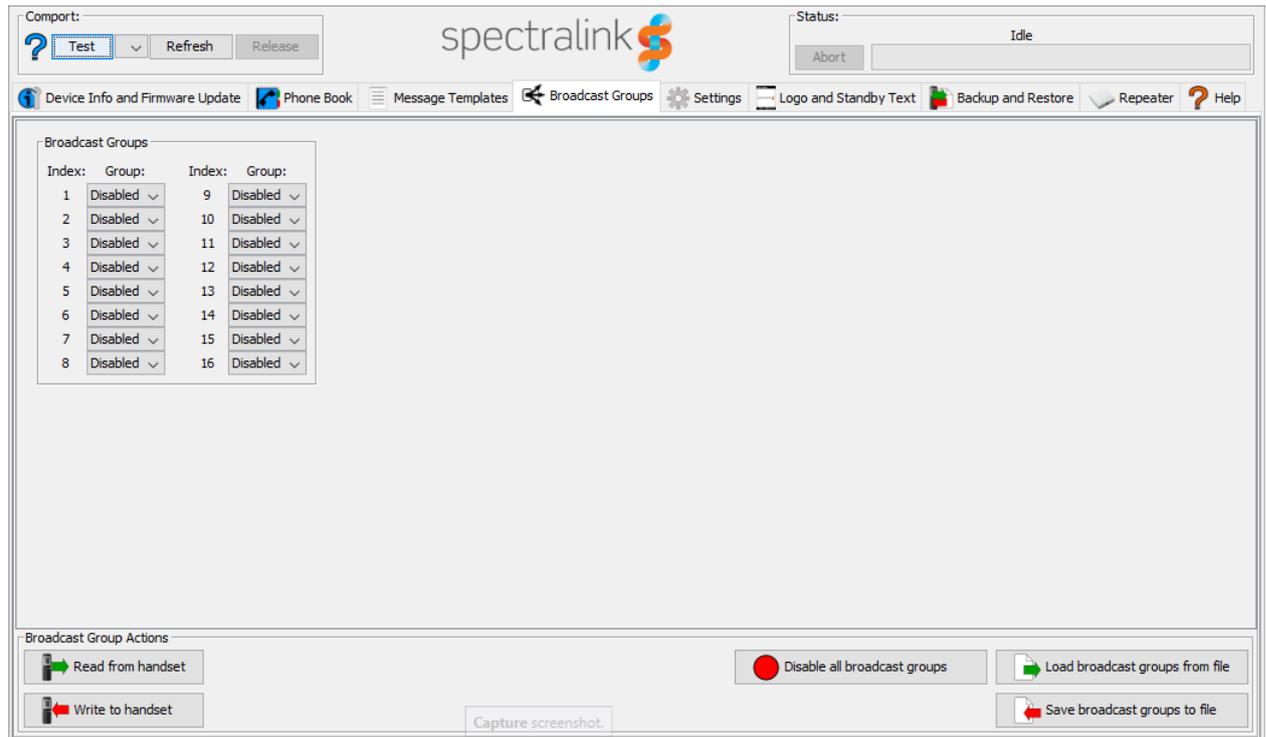
- Manage broadcast groups.
- Save broadcast groups to a file or load broadcast groups from a file.
- Copy and share broadcast groups with other handsets.

### To Manage Broadcast Groups

1. Place the relevant handset in the Handset Management Cradle.
2. Under **Comport** (upper left corner), select the appropriate comport from the list.
3. Click the **Broadcast Groups** tab.
4. On the **Broadcast Groups** tab, you can do the following:

Field	Setting
<b>Broadcast Groups - Broadcast Groups Actions</b>	
Read from handset	<p>Click <b>Read from handset</b> if you want to read the broadcast groups from the handset (if any).</p> <p>It is possible to make changes to the broadcast groups by selecting the relevant group and make the appropriate change in the list.</p> <p>It is also possible to share the broadcast groups with other handsets or save the broadcast groups to a file. For more information about sharing broadcast groups, see <a href="#">"Sharing the Broadcast Groups with other Handsets" on page 24.</a></p>
Write to handset	<p>Click <b>Write to handset</b> if you want to e.g. save (changes to) broadcast groups in the handset or overwrite existing broadcast groups.</p> <p>In the appearing <b>Info</b> box, click <b>OK</b>.</p> 
Disable all broadcast groups	<p>Clicking <b>Disable all broadcast groups</b> will set all broadcast group values to disabled.</p> <p>Click <b>Write to handset</b> to save the changes.</p>

Field	Setting
Load broadcast groups from file	<p>If you have a broadcast group saved to a file, you can load this file into the handset that is placed in the Handset Management Cradle.</p> <p>Click <b>Load broadcast groups from file</b>. In the appearing <b>Open</b> dialog box, locate the relevant file, and then click <b>Open</b>. The broadcast group data is only displayed in the Handset and Repeater Management Tool.</p> <p>To save the broadcast groups to the handset that is placed in the Handset Management Cradle, click <b>Write to handset</b>.</p> <p>In the appearing <b>Broadcast Groups write option</b> dialog box, click either <b>Add broadcast group to handset</b> or <b>Overwrite handset broadcast groups</b>, and then click <b>OK</b>.</p>
Save broadcast groups to file	<p>Click <b>Save broadcast groups to file</b> if you want to save a handset's broadcast groups to a file.</p> <p>In the appearing <b>Save As</b> dialog box, enter a file name, locate relevant folder, and then click <b>Save</b>.</p>
<b>Broadcast Groups - Broadcast Groups</b>	
	<p>Disable or enable the desired broadcast groups (0 - 255).</p> <p>Click <b>Write to handset</b> to save the changes.</p>



## Sharing the Broadcast Groups with other Handsets

You can make a copy of the broadcast group or save the broadcast group to a file (see [Save broadcast groups to file](#)) to share it with other handsets.

### Copy and Share the Broadcast Group

1. Place the handset whose broadcast groups you want to share in the Handset Management Cradle.
2. Click the **Broadcast Groups** tab.
3. Click **Read from handset** to read the broadcast groups from the handset.
4. Remove the handset from the Handset Management Cradle, and then place another handset in the Handset Management Cradle.
5. Click **Write to handset**, and then click **OK** in the appearing Info box.

The broadcast groups are now copied to the new handset.

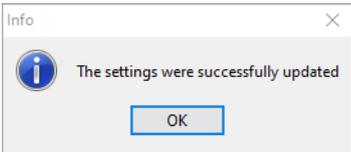
## Managing Settings

Using the Handset and Repeater Management Tool, you can:

- Store and change settings of the Spectralink DECT Handset 7202/7212, 7502, 7522/7532, 7622/7642, 7722/7742 and Butterfly.
- Save settings to a file or load settings from a file.
- Copy and share settings with other handsets.

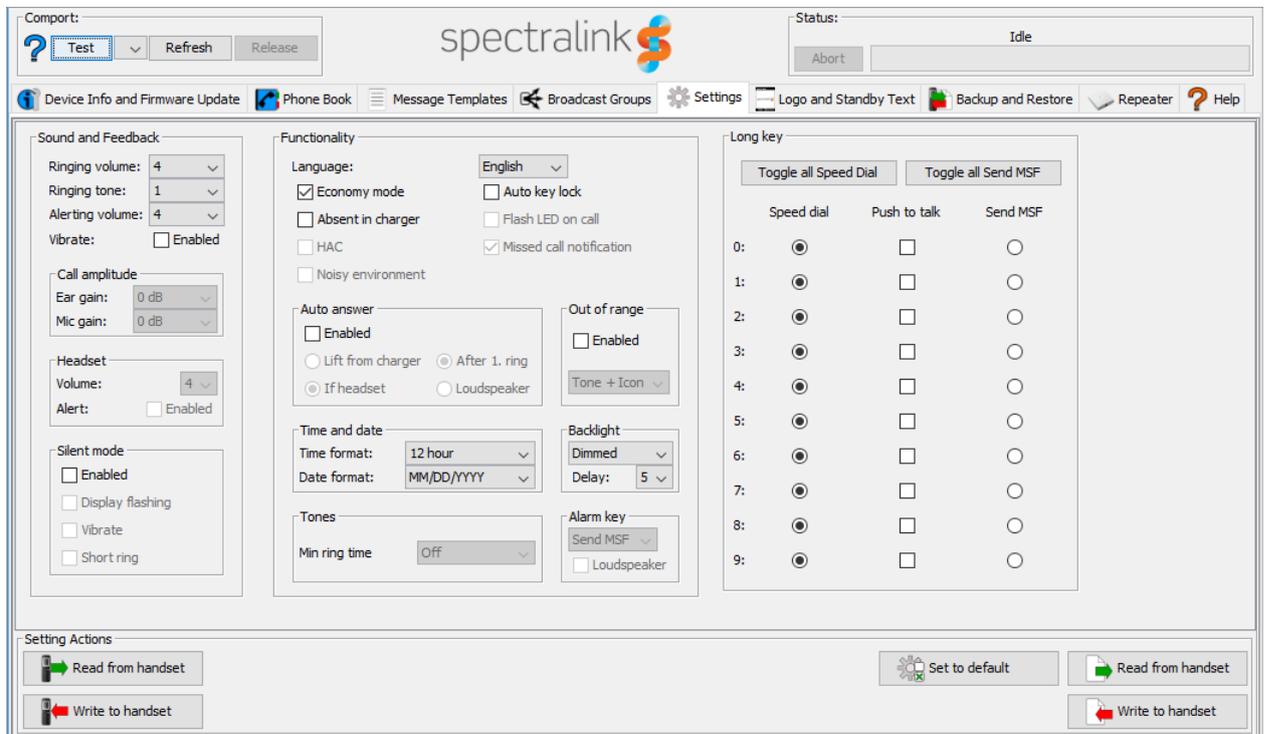
### How to Manage Settings

1. Under **Comport** (upper left corner), select the appropriate comport from the list.
2. Place the relevant handset in the Handset Management Cradle.
3. Click the **Settings** tab.
4. On the **Settings** tab, you can do the following:

Field	Setting
<b>Settings - Settings Actions</b>	
Read from handset	<p>Click <b>Read from handset</b> if you want to read the settings from the handset (if any).</p> <p>It is possible to make changes to the settings.</p> <p>It is also possible to share the settings with other handsets or save the settings to a file. For more information about sharing settings, see "<a href="#">Sharing the Settings with other Handsets</a>" on page 28.</p>
Write to handset	<p>Click <b>Write to handset</b> if you want to save settings to the handset.</p> <p>In the appearing <b>Info</b> box, click <b>OK</b>.</p>  <p>It is possible to share settings with other handsets. For more information about sharing settings with other handsets, see "<a href="#">Sharing the Settings with other Handsets</a>" on page 28.</p>
Default settings	<p>Click <b>Default settings</b> if you want the settings in the handset to be set to default.</p> <p>Click <b>Write to handset</b> to save the changes.</p>

Field	Setting
Load settings from file	<p>If you have settings saved to a file, you can load this file into the handset that is placed in the Handset Management Cradle.</p> <p>Click <b>Load settings from file</b>. In the appearing <b>Open</b> dialog box, locate the relevant file, and then click <b>Open</b>. The settings are only displayed in the Handset and Repeater Management Tool.</p> <p>To save the settings to the handset that is placed in the Handset Management Cradle, click <b>Write to handset</b>.</p>
Save settings to file	<p>Click <b>Save settings to file</b> if you want to save a handset's settings to a file.</p> <p>In the appearing <b>Save As</b> dialog box, enter a file name, locate relevant folder, and then click <b>Save</b>.</p>
<b>Settings - Sound and Feedback</b>	
	<p>Under <b>Sound and Feedback</b> you can define the following settings: Ringing Volume, Ringing Tone, Alerting Volume, Vibrate Enabled.</p> <ul style="list-style-type: none"> <li>• <b>Call amplitude:</b> Ear gain, Mic gain</li> <li>• <b>Headset:</b> Volume, Alert Enabled</li> <li>• <b>Silent mode:</b> Enabled, Display flashing, Vibrate, Short ring</li> </ul> <p>For more information about the handset settings, see the relevant Handset User Guides.</p>

Field	Setting
<b>Settings - Functionality</b>	
	<p>Under <b>Functionality</b> you can define the following settings: Language, Economy mode, Absent in charger, HAC, Noisy environment, Auto key lock, Flash LED on call, Missed call notification.</p> <ul style="list-style-type: none"> <li>• <b>Auto answer:</b> Enabled, Lift from charger, When headset, After 1. ring, Loudspeaker</li> <li>• <b>Time and date:</b> Time format, Date format</li> <li>• <b>Tones:</b> Min ring time, Local tones</li> <li>• <b>Out of range:</b> Enabled, Icon only, Tone + Icon</li> <li>• <b>Alarm Key:</b> Send MSF, Speed dial</li> <li>• <b>Backlight:</b> Off/Dimmed, Delay</li> <li>• <b>Alarm key:</b> Send MSF/Speed dial, Loudspeaker</li> </ul> <p>For more information about the handset settings, see the relevant Handset User Guides.</p>
<b>Settings - Long key</b>	
	<p>Under <b>Long Key</b> you can define the following settings: Speed Dial, Push to talk, Send MSF.</p> <p>For more information about the handset settings, see the relevant Handset User Guides.</p>



## Sharing the Settings with other Handsets

You can make a copy of the settings or save the settings to a file (see [Save settings to file](#)) to share it with other handsets.

### Copy and Share the Settings

1. Place the handset whose settings you want to share in the Handset Management Cradle.
2. Click the **Settings** tab.
3. Click **Read from handset** to read the settings in the handset.
4. Remove the handset from the Handset Management Cradle, and then place another handset in the Handset Management Cradle.
5. Click **Write to handset**. The **Settings write option** dialog appears.
6. Click **Overwrite handset settings**, and then click **OK**. The settings are now copied to the new handset.

## Managing Logos and Standby Text

Using the Handset and Repeater Management Tool, you can:

- Define and store a default or custom standby text for the Spectralink DECT Handset.
- Define and store a default or custom logo for the Spectralink DECT Handset.
- Copy and share a logo and Standby text with other Spectralink DECT Handsets.

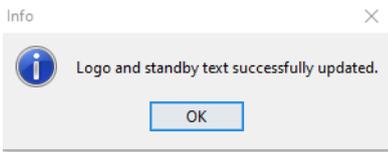
### How to Manage Standby Text and (Custom) Logos



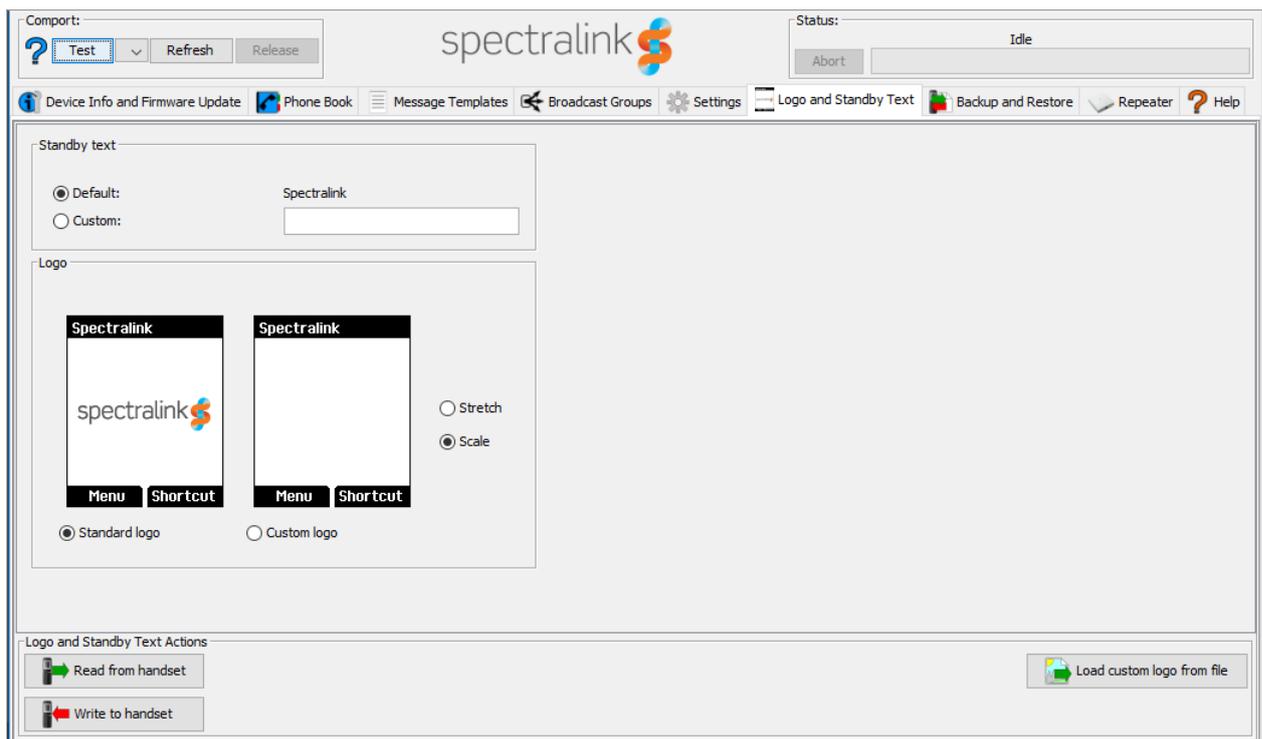
**Note:**

The size of the logo must not exceed 128 x 60 pixel.

1. Under **Comport** (upper left corner), select the appropriate comport from the list.
2. Place the relevant handset in the Handset Management Cradle.
3. Click the **Logo and Standby Text** tab.
4. On the **Logo and Standby Text** tab, do the following:

Field	Setting
<b>Logo and Standby Text - Logo and Standby Text Actions</b>	
Read from handset	<p>Click <b>Read from handset</b> if you want to read the logo and standby text of the handset placed in the Handset Management Cradle.</p> <p>It is possible to make changes to the logo and standby text.</p> <p>It is also possible to share the logo and standby text with other handsets. For more information about sharing broadcast groups, see "<a href="#">Sharing the Logo and Standby Text with other Handsets</a>" on page 31.</p>
Write to handset	<p>Click <b>Write to handset</b> if you want to save logo and standby text to the handset placed in the Handset Management Cradle.</p> <p>In the appearing <b>Info</b> box, click <b>OK</b>.</p> 
Load custom logo from file	<p>Click <b>Load custom logo from file</b> if you want to load a custom logo. Under <b>Logo</b>, select <b>Custom logo</b> and select either <b>Stretch</b> or <b>Scale</b>.</p> <p>In the appearing <b>Info</b> box, click <b>OK</b>.</p>
<b>Logo and Standby Text - Standby text</b>	
Default	If selected, the default standby text (Spectralink) is displayed when handset is idle.
Custom	If selected, enter a custom standby text in the field to be displayed when handset is idle.
<b>Logo and Standby Text - Logo</b>	
Standard logo	If selected, Spectralink standard logo is used.

Field	Setting
Custom logo	<p>If selected, a custom logo will be used - if uploaded.</p> <p>Click <b>Load custom logo from file</b> (lower right corner), select the relevant file and click <b>Open</b> in the appearing dialog box.</p> <p><b>Note:</b> The size of the logo must not exceed 128 x 60 pixel.</p> <p>The tool displays the handset home screen with the logo. You can choose, if the custom logo should be scaled or stretched in order to fit the handset home screen logo area.</p> <p>Click <b>Write to handset</b> to save the changes.</p>
Stretch	If selected, the custom logo will be stretched to fit the handset home screen logo area.
Scale	If selected, the custom logo will be scaled to fit the handset home screen logo area.



## Sharing the Logo and Standby Text with other Handsets

You can copy and share the logo and standby text with other handsets.

### Copy and Share the Logo and Standby Text

1. Place the handset whose logo and standby text you want to share in the Handset Management Cradle.
2. Click the **Logo and Standby Text** tab.
3. Click **Read from handset** to read the logo and standby text from the handset.
4. Remove the handset from the Handset Management Cradle, and then place another handset in the Handset Management Cradle.
5. Click **Write to handset**, and then click **OK** in the appearing Info box.

## Managing Backup and Restore

Using the Handset and Repeater Management Tool, you can:

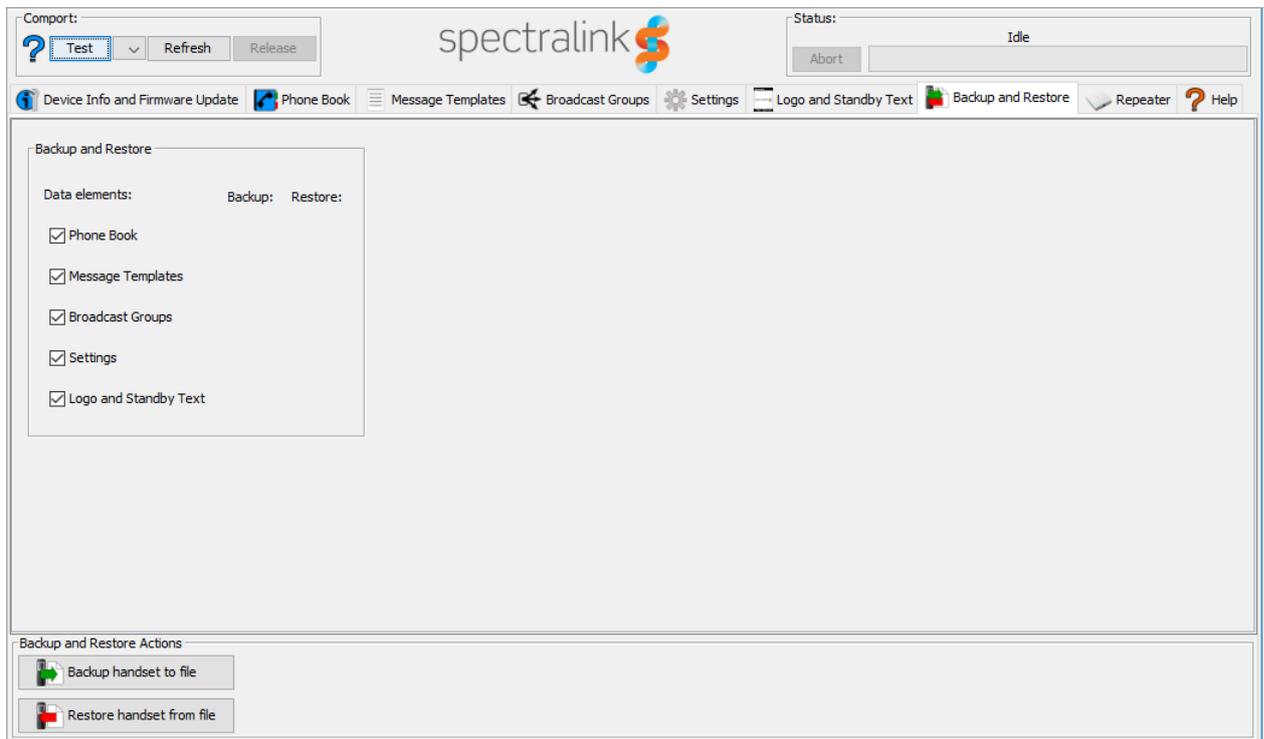
- Make a backup of the handset configuration.
- Restore handset configuration.

### How to Manage Backup and Restore

1. Under **Comport** (upper left corner), select the appropriate comport from the list.
2. Place the relevant handset in the Handset Management Cradle.
3. Click the **Backup and Restore** tab.
4. On the **Backup and Restore** tab, do the following:

Field	Setting
<b>Backup and Restore - Backup and Restore</b>	
Data elements	<p>Select/deselect the relevant data elements depending on which data should be part of the backup/restore.</p> <p>The data elements are:</p> <ul style="list-style-type: none"> <li>• Phone Book</li> <li>• Message Templates</li> <li>• Broadcast Groups</li> <li>• Settings</li> <li>• Logo and Standby Text</li> </ul>
<b>Backup and Restore - Backup and Restore Actions</b>	
Backup handset to file	<p>Click <b>Backup handset to file</b> if you want to make a backup of the handset configuration and save it to a file.</p> <p>In the appearing <b>Save As</b> dialog box, enter a file name, locate relevant folder, and then click <b>Save</b>.</p> <p>Click <b>OK</b> in the appearing <b>Info</b> box when backup is successfully completed.</p>

Field	Setting																		
Restore handset from file	<p>If you have a backup of handset configuration saved to a file, you can restore this file into the handset that is placed in the Handset Management Cradle.</p> <p>Click <b>Restore handset from file</b>. In the appearing <b>Open</b> dialog box, locate the relevant file, and then click <b>Open</b>.</p> <p>For each data element, select the relevant write option in the appearing dialog box (if any), and/or click <b>OK</b>.</p> <div style="border: 1px solid #ccc; padding: 5px; margin: 10px 0;"> <p>Backup and Restore</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Data elements:</th> <th style="text-align: left;">Backup:</th> <th style="text-align: left;">Restore:</th> </tr> </thead> <tbody> <tr> <td><input checked="" type="checkbox"/> Phone Book</td> <td></td> <td style="text-align: center;">✔</td> </tr> <tr> <td><input checked="" type="checkbox"/> Message Templates</td> <td></td> <td style="text-align: center;">✔</td> </tr> <tr> <td><input checked="" type="checkbox"/> Broadcast Groups</td> <td></td> <td style="text-align: center;">✔</td> </tr> <tr> <td><input checked="" type="checkbox"/> Settings</td> <td></td> <td style="text-align: center;">✔</td> </tr> <tr> <td><input checked="" type="checkbox"/> Logo and Standby Text</td> <td></td> <td style="text-align: center;">✔</td> </tr> </tbody> </table> </div>	Data elements:	Backup:	Restore:	<input checked="" type="checkbox"/> Phone Book		✔	<input checked="" type="checkbox"/> Message Templates		✔	<input checked="" type="checkbox"/> Broadcast Groups		✔	<input checked="" type="checkbox"/> Settings		✔	<input checked="" type="checkbox"/> Logo and Standby Text		✔
Data elements:	Backup:	Restore:																	
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<input checked="" type="checkbox"/> Broadcast Groups		✔																	
<input checked="" type="checkbox"/> Settings		✔																	
<input checked="" type="checkbox"/> Logo and Standby Text		✔																	



# Configuring Spectralink DECT Repeaters

You can configure the Spectralink DECT Repeater to the Spectralink IP-DECT/DECT Server solution using the Handset and Repeater Management Tool.

The Handset and Repeater Management Tool identifies the type of repeater, and with this software it is possible to program the Spectralink DECT Repeater to connect to the Spectralink DECT Radio Infrastructure solutions.



**Note:**

To configure the Spectralink DECT Repeater using the Handset and Repeater Management Tool, the following is required:

- Acquisition of the Repeater Programming Kit.
- Download and installment of Handset and Repeater Management Tool.
- Physical access to each Spectralink DECT Repeater to be updated.
- Before you start programming the repeater, ensure that the repeater is connected to the computer and the mains.
- A comport must be selected and activated through the user interface of the Handset and Repeater Management Tool (comport panel - upper left corner).



**Note:**

Repeater and base station/server RPNs must not be the same. Also, in a situation where common overlap is present between the actual units, a repeater cannot have an RPN that is similar to that of a base station/server or another repeater. If this occurs, handover between the different units is not possible.

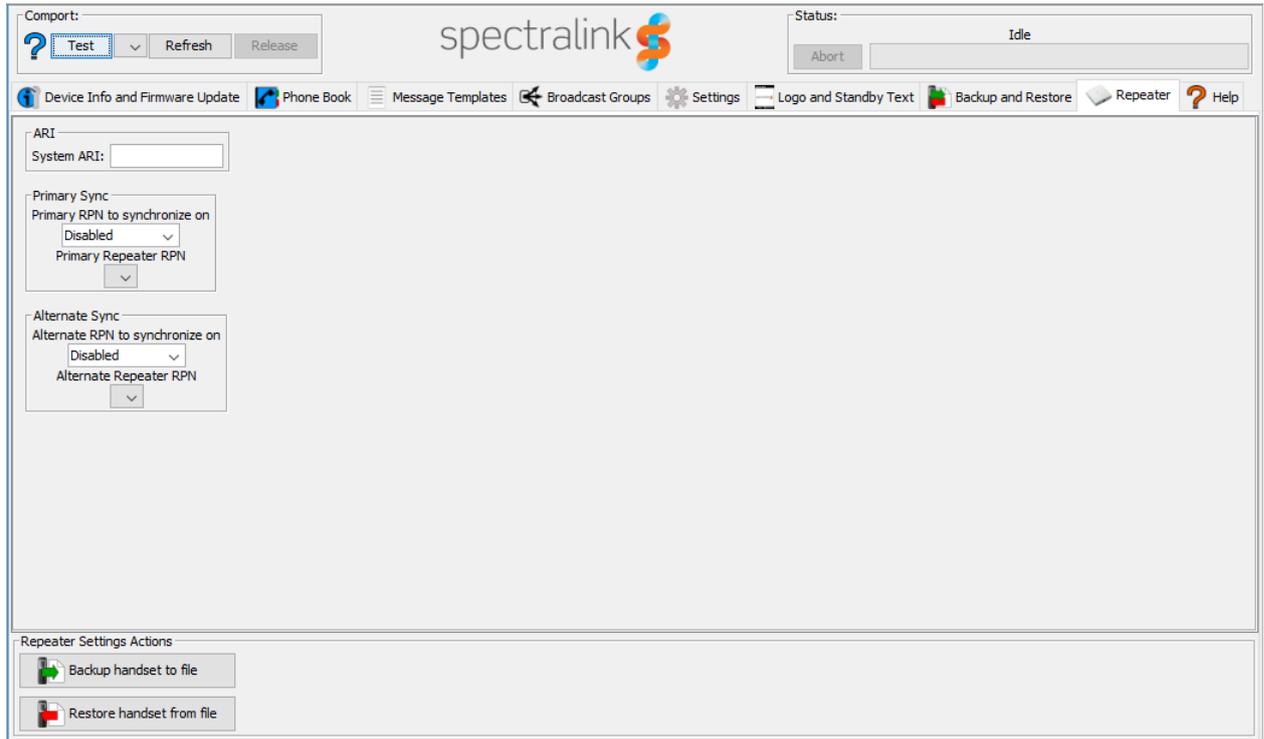
For more information about setting up hardware for repeater programming and numbering of Spectralink IP-DECT/DECT Base Station/Spectralink IP-DECT Server 200/400 and repeaters in a normal configuration or daisy chain configuration, see DECT Repeater Installation Guide.

## How to Configure the Spectralink DECT Repeater

1. Use the Repeater Programming Kit to connect the Spectralink DECT Repeater to the computer.
2. Under **Comport** (upper left corner), select the appropriate comport from the list.
3. Click the **Repeater** tab.
4. On the **Repeater** tab, you can enter the following parameters:

Field	Setting
<b>Repeater - Repeater Actions</b>	
Read from Repeater	<p>Click <b>Read from Repeater</b> if you want to read and verify the actual programming of the repeater or read repeater information.</p> <p>The information will appear in the data fields.</p> <p>It is possible to make changes to the repeater configuration.</p>
Write to Repeater	<p>Click <b>Write to Repeater</b> if you want to program the entered values into the connected repeater.</p> <p>The software verifies the validity of the entered values, and a warning will appear, if any illegal value is entered.</p>
Load repeater settings from file	<p>If you have repeater settings saved to a file, you can load this file into the connected repeater.</p> <p>Click <b>Load repeater settings from file</b>. In the appearing <b>Open</b> dialog box, locate the relevant file, and then click <b>Open</b>. The settings are only displayed in the Handset and Repeater Management Tool.</p> <p>To save the repeater settings to the connected repeater, click <b>Write to repeater</b>.</p>
Save repeater settings to file	<p>Click <b>Save repeater settings to file</b> if you want to save a repeater's settings to a file.</p> <p>In the appearing <b>Save As</b> dialog box, enter a file name, locate relevant folder, and then click <b>Save</b>.</p>
<b>Repeater - ARI</b>	
System ARI	<p>The ARI number of the device (see the label on the rear of the device) must be registered in this field in order to connect to a Spectralink IP-DECT/DECT Base Station or Spectralink IP-DECT Server 200/400.</p>

Field	Setting
<b>Repeater - Primary Sync</b>	
Primary RPN to synchronize on	Enter the RPN of Spectralink IP-DECT/DECT Base Station/Spectralink IP-DECT Server 200/400, that the repeater must synchronize on.
Primary Repeater RPN	The RPN assigned to the repeater. <b>Warning:</b> It is not allowed to assign a RPN to the repeater similar to another repeater in a situation where a common overlap is present between the actual units. If this happens, handover between the different units is not possible.
<b>Repeater - Alternate Sync</b>	
Alternate Sync enabled	f enabled, it is possible to define alternative sync way.
Alternate RPN to synchronize on	Enter the synchronization RPN that the repeater must synchronize on in case of a break down of the primary RPN.  For more information, see " <a href="#">Alternative Synchronization Ways</a> " on the next page.
Alternate Repeater RPN	Enter the RPN assigned to the repeater.
<b>Repeater - Repeater Information</b>	
Software version	E.g. 27A
Hardware version	E.g. 22__



## Alternative Synchronization Ways

The Handset and Repeater Management Tool is able to determine whether or not an actual repeater manages the alternative synchronization ways.

The repeater is able to change the base station/server 200/400 to which it is synchronizing as the primary base station/server 200/400 (appears in the data field **Primary RPN to synchronize on**). The criteria for changing the base station/server 200/400 to synchronize on (in the data field **Alternate RPN to synchronize on**) is that the signal from the primary base station/server to synchronize on must disappear totally, e.g. in case of a break down, no signal transmitted.

As soon as the signal from the primary base station/server 200/400 in the field **Primary RPN to synchronize on** returns, the repeater will change its synchronization back to the primary base station/server 200/400.

If the communication is active on the repeater, the repeater will not change back to the primary base station/server 200/400, before the active call is ended. In that way, a conversation will not be interrupted as a result of changing synchronization ways.

## How to Update Repeater Software

If you need to update the repeater software, contact [Technicalsupport@spectralink.com](mailto:Technicalsupport@spectralink.com).

# Troubleshooting

This section provides you with general troubleshooting information about management problems and error messages that may occur when working with the Handset and Repeater Management Tool.

## General Troubleshooting Information - Handset

If an error occurs, and the error description message is not sufficient for solving the problem, try the following:

1. Verify that the handset is powered on, correctly placed in the Handset Management Cradle and connected to the computer via the USB cable.



**Note:**

During firmware update the handset is not required to be powered on.

2. Click on the **Test** button in the comport panel, to make sure the Handset Management Cradle is working, and can be accessed with the current system permissions, and that the handset can be detected.
3. Make sure the newest driver for the Handset Management Cradle is installed on the system. The latest USB COM driver to be downloaded from <http://www.ftdichip.com/Drivers/VCP.htm>.
4. Make sure that the Handset and Repeater Management Tool have proper system permissions, and is allowed to read from and write to comports and files/folders.
5. Disconnect the USB cable, turn the handset off and on again, and then reconnect the USB cable.
6. Close the Handset and Repeater Management Tool, reboot your PC, and start the tool again.