

Spectralink Butterfly Series

# Release Notes Q4, 2016

Firmware Version PCS 16D

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# Introduction

## *Terms and Definitions*

HMP	Handset Management Program for Spectralink Butterfly Series
HMT	Handset Management Tool for Spectralink Butterfly and 7xx2 Series handsets.
MSF	Message Service Format. Contact <a href="mailto:compliance@spectralink.com">compliance@spectralink.com</a> for detailed information
PCS	Product Change Status
P-ID	Production Identification
KWS	KIRK Wireless Server
SUOTA	Software Update Over The Air

## *Release*

These release notes apply to the released version of firmware for the Spectralink Butterfly Series. This version specifically applies to version PCS 16D of the firmware. This is a main release that replaces the previous releases as the latest generally available (GA) release.

The current handset firmware PCS information can be found in Menu/Status/General information under Firmware. The version consists of two digits and two letters. The digits and first letter forms the major version. The last letter, which can be either small or capital, is the minor version.

Minor versions are irrelevant for these release notes and are therefore left out.

## *Important Notes*

The Spectralink Butterfly Series comes in a variety of different colors; however, the firmware is identical.

## *Driver for the USB Programming Kit*

Ensure that you have the latest driver installed. You can download it [here>>](#)

## *Upgrading the Handset*

Download the latest software for the Spectralink Butterfly from the [Spectralink Support Portal](#). Use the HMT (or Handset Loader and HMP) to update and configure individual handsets, or use SUOTA from the Spectralink KWS to wirelessly update the handsets.

Also, you can quickly and easily update your handset(s) with the [Spectralink Handset Software Updater](#).

# Changes

## *Version PCS 16D - Q4, 2016*

### **Added or Changed Features**

- DECTESC-720: Sorting special characters correctly. Phonebook contact names sorting is lexicographically improved for diacritic marks and special characters.

### **Corrections**

- When adding a contact to the phonebook, that already exists, a new contact duplicate would in some cases be added, instead of just adding the new numbers to the existing contact. This has been fixed.

## *Version PCS 16A - Q1, 2016*

### **Added or Changed Features**

- Removed not-implemented conference join from call menu.

## *Version PCS 15J - Q4, 2015*

### **Added or Changed Features**

- Changed “battery low” and “out-of-range” tones to inband busy tone if in call.
- Shortcuts will only be reset if updating from PCS older than 13Fa.
- Inband tone could hang and start on new call. (DECTESC-624)
- Call Control: Fixed idle display. External, Internal, Knock-knock and silent alerting will play correctly.

## *Version PCS 15H - Q3, 2015*

### **Added or Changed Features**

- If an active call ended while having a call waiting, the phone could end up in a hold state, now it will start ringing.

- Alert timeout is now used when a “Text Call” message is received. DECTESC-572
- Service code \*99945\* now also enables a feature for use on some alien DECT infrastructures: Ring request is sometimes received after hook off. This will now be ignored (on all systems). Display request with a clear page command and a text with a single space is sometimes received. This will now be ignored when CS1K compatibility is enabled. DECTESC-600
- Handset will not power on when connected to the power supply. This behavior has been changed due to the SIP de-registered function. DECTESC-587
- If the handset is alerting because a “Text Call” message has been received and it is connected to the power the alerting stops. DECTESC-585

## **Version PCS 15E - Q2, 2015**

### **Added or Changed Features**

- Service code \*99973\* now makes it possible to show message text or callback number in the message inbox list.
- Service code \*99945\* now also enables a feature for use on some alien DECT infrastructures: If the ringer cadence is short, the ringer tone is not shortened.

## **Version PCS 14M - Nov., 2014**

### **Added or Changed Features**

- Service code \*99945\* enables a feature for use on some alien DECT infrastructures: If the feature is enabled and the incoming call has a CLIP number and no CLIP name, and a text is received shortly after then this text will be added to the CLIP information (Call list).

## **Version PCS 14L - Q4, 2014**

### **Added or Changed Features**

- Item number (Sales part number) send to DECT Server on location registration.
- Low RSSI level and other quality information are now logged and send to DECT Server.

## Version PCS 14H - Q3, 2014

### Added or Changed Features

- If the keyboard is locked and the phone receive a call which it is not answered, the keyboard will now relock and show the missed call icon. DECTESC-538

### Corrections

- Call from phone into a hunt group on a Shoretel PBX no longer causes wrong call progress tone during call. DECTESC-539.

## Version PCS 14D - Q2, 2014

### Added or Changed Features

- Send MSFKeyPadInfo with info about key used to terminate Text calls. When the system setup a text call to the handset, it is possible to get information about the key the user pressed to exit the text call. The info is send as MSFKeyPadInfo before the connection is closed. The SK bit must be set in SetupSpec3 to enable the feature.

### Corrections

- Fixed screen would be blank for outgoing calls when alerting in some Lync setups.
- Under special circumstances, the phone would make an abnormal release when two connections was made to it in a row. This cause a false abnormal release in the log.

## Version PCS 14A - Q1, 2014

### Added or Changed Features

- The generic alphanumeric input method, which is used in *ASCII String Setup* and for signing in using the Handset Sharing feature, has been improved. Digits could only be entered by long pressing the numeric keys. Now, the user can switch between entering digits or small/capital letters by pressing the star key.
- Messages, call register (incoming/outgoing/missed calls list), the local phonebook and shortcut settings can now be remotely deleted by a signal sent from the DECT Server. This is used, for example, in the Handset Sharing feature.
- If a user hooked off and then started entering digits before the connection was established, (characterized by an audible dial tone) some or all digits would not be

received by the system. Now, the handset vibrates shortly and does not display any entered digits before the connection has been properly established.

- The handset now supports reception of an *endpoint\_status* request while in an active MSF session.
- To improve the usability of central handset administration, the handsets have exchanged P-ID and PCS information during registration since Version PCS 13J. This has unfortunately revealed a fault in old DECT Servers produced *before* 1998. The fault caused subscription to fail. The handset now omits this information during subscription based on the estimated production year extracted from the system ARI code.
- The Start date in *Menu/Settings/Advanced/Time & date* has been changed to 1/1-2014. This initial date is used only if the DECT Server does not support remote setting of time and date in the handset.

### Removed Features

- If *Menu/Settings/Out of range* is enabled, the display background shows a red icon accompanied by the text “No Signal”. It would also display the text “Base busy” in case all channels on the active base station were occupied. The “Base busy” feature has been terminated.

### Corrections

- Fixed an issue potentially causing up to 1% of outgoing call setups to terminate abnormally.
- If voice/data encryption was configured to Always/Enforced, the handset could terminate a call abnormally during handover. This has now been corrected.
- Fixed an issue where calling a busy extension could cause a corrupted entry in the Outgoing call list.
- Entering digits from the key pad did not work on some Phone Banking systems if they used early media and *dect.ng\_call\_control* was enabled on the DECT Server. This has been corrected by letting the handset send the digits also in early media state.

## Version PCS 13M - Q4, 2013

### Added or Changed Features

- A new Spectralink branded startup and power down tune has been introduced.
- The model name in *Menu/Status/General information* has been changed to Butterfly.
- When the handset was put on hold by the remote party and the DECT Server setting “Play on-hold tone” is enabled, a ring back tone would be heard in the handset. This



confused users and has now been replaced by two distinct beeps being repeated every 6 seconds.

- A progress bar has been added during handset power on to indicate when it's ready.

### Removed Features

None

### Corrections

- If the handset was set in Silent mode and was switched off/on, the first outgoing call would not transmit audio. This has been fixed.

## *Version PCS 13K - Q3, 2013 (Hotfix July 9, 2013)*

### Corrections

- An error introduced in PCS 13J prevented the handset from presenting an incoming call on a KWS1500 and on a KWS 2500/8000 configured in "DECT to DECT" or Analogue mode. The critical error is addressed with this Hotfix.

## *Version PCS 13J - Q3, 2013*

### Added or Changed Features

- New "pager like" tones have been added to MSF to allow the handsets to replace or supplement existing pager solutions.
- During an outgoing call the redial stack is designed to store any calling party name and number information received from the PBX. An inappropriately configured PBX could, however, send a number with a missing pre-dial digit, preventing redial from working. Now only the calling party name is updated and only if the calling party number matches what the user has entered.
- MSF text call content can now be stored in the message inbox if the "save in stack" bit is set.

### Removed Features

None

## Corrections

- If a USB charger was being plugged in while the handset was in the process of powering down due to low battery, the handset would turn off. Now the handset performs a power cycle and turns itself back on.
- Fixed an issue where the handset was unable to make or receive calls in a 30-second period after a blind transfer.
- Fixed a rarely occurring issue, where the handset could mistakenly interpret an incoming call as an intercom call and subsequently hook off.
- Fixed a recurring issue where the ring back tone disappeared if a message was received during an outgoing call setup.
- Fixed an issue where the local ring back tone was missing if the active call was being transferred by the far end.

## Version PCS 13F - Q2, 2013

Download the latest version of KIRK Butterfly Handset Management Program to make sure the new and modified features are supported.

## Added or Changed Features

- A new power saving feature, “Economy mode”, has been added and enabled by default. When the handset is in good coverage<sup>1</sup> of the active base station, the handset will lower the transmitted radio power to 50mW. In ideal situations the talk time will increase up to a total of 20 hours.
- The list of alternative base stations and free channels is now updated faster to improve connection handover.
- If the handset receives a “Busy Here” or “Not found” notification during call setup, the called number was by design not stored in the redial stack. Now the called number is always stored in the redial stack.
- A search in the local phonebook now supports special characters (ISO 8859-1 ISO Latin-1). This means that it is now possible to search for, for example, Müller in the local phonebook.
- Spectralink branding.

## Removed Features

- “Any key answer” has been removed.

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<sup>1</sup> The coverage is determined by deployment and the regional regulatory transmitter level.

## Corrections

- If the battery temperature exceeds 40°C during charging, the charging is stopped. However, the charging did not always resume when the temperature fell below this point again which resulted in reduced talk/standby time. This has now been corrected.
- The handset could become unreachable when moving in and out of range frequently because of an inefficient and sometimes erroneous search method. This method has been corrected and the overall search speed has been significantly improved.
- Fixed a rarely occurring issue where the ringtone during an incoming call could be played back at half the sample rate.
- Fixed a problem where assigning speed dial numbers from the phonebook did not always work as expected.
- If the handset displayed a battery low notification during an incoming call and the user pressed on-hook, the handset would continue to ring while the display returned to idle. Now the handset display returns to the screen of the incoming call.
- If a message template was used to reply to a message, the sender's phone number was empty. This has been corrected.
- An intermittent fault that happened when the Handset Management Program was used to update the phonebook has been solved.
- Fixed an issue where a received message could be corrupted when using broadcast with multiple repetitions.
- Minor changes to the wording of the German menu languages.

## Version PCS 13A - Q1, 2013

### Added or Changed Features

- Side tone has been enabled during locally generated call progress tones.
- When displaying Messages/Templates the template number has been removed to present more of the template content.
- On a KWS supporting long SIP-URI's (up to 64 characters), the handset would truncate incoming long SIP-URIs to 36 characters. Long SIP-URI's are now handled by the redial stack.
- The handset has been prepared for Over-the-Air updates.

### Removed Features

None

## Corrections

- If “Mic Mute” was pressed before a call setup was complete, the soft key label would remain unchanged. This has now been corrected.
- If the handset was muted and a second call was placed, the new call would not be muted. This has now been corrected.
- The notification sound for battery low was sometimes played back at double speed. This has now been corrected.
- Initiating a second call by entering the phonebook and pressing the hook key failed. This has now been corrected.
- When *dect.ng\_call\_control* was enabled in the KWS, the handset did not respond to the KWS setting Play on-hold tone. This has now been corrected.
- The battery charging cycle could stop prematurely, resulting in a reduced talk/standby time. This has been corrected by improving the battery voltage and temperature monitoring.
- The battery status was not updated if the handset was out of range. Now the status is updated regardless the state of the handset.

## Version PCS 12V - Q4, 2012

### Added or Changed Features

- The search for names in the local phonebook has been improved. For example, “Kevin Scott” is found by simply entering digits 538(KEV) or 726(SCO). For each entered digit, the list of matching names narrows down until only Kevin is left. To undo a keystroke, press the # key.

### Removed Features

None

## Corrections

- German translation “Akzeptieren” was too long for the soft key label. It has been shortened to “Akzept.”
- If the handset received a message during an outgoing call and the far end had not answered yet, the ring back tone would disappear. Now the ring back tone is resumed, when the message alert stops.
- Early media during call transfer did not work correctly on some PBX’s (Lync® being one of them). This has now been corrected.

## Version PCS 12T - Q3, 2012

### Added or Changed Features

- Check box graphics have been modified.
- Charging icon has been modified.
- *endpoint\_call\_menu* string length has been increased from 11 to 15 characters per item.
- If a message is received during an active voice call, discrete beeps are mixed into the received audio stream. The far end is unaffected.

### Removed Features

- Support for one digit dial plan on residential DECT systems using the Hook on key, has been terminated.

### Corrections

- When the handset displays a message, receives an incoming call, and yet another message, the vibrator could start without stopping again. This has now been corrected.
- When receiving a call in “Absent mode”, the handset would show an incoming call icon while rejecting the incoming call. This has now been corrected.
- Added an arrow to the incoming call icon.
- Added an arrow to the icon used during the 2<sup>nd</sup> outgoing call.
- Entering an asterisk by long pressing the \* key would not automatically move the cursor right. This has been corrected.
- Call control wording in the handset was in English, no matter the selected language. All wording has now been translated.
- The font definition for letter Î (ASCII\_LATIN\_CAPITAL\_LETTER\_I\_WITH\_CIRCUMFLEX) and Ï (ASCII\_LATIN\_CAPITAL\_LETTER\_I\_WITH\_DIAERESIS) has been corrected.

## Version PCS 12P - Q1, 2012

Initial version for first customer shipments March 5, 2012