

Spectralink 75x0-Series

Release Notes Q1, 2016

Firmware Version PCS 16A

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Introduction

Terms and Definitions

AEC	Acoustic Echo Cancellor
CISS	Connection Independent Supplementary Services
CPT	Call Progress Tones
CWI	Call Waiting Indication
GUI	Graphical User Interface
HAC	Hearing Aid Compliance
HMP	Handset Management Program for Spectralink 75-, 76-Series and 77-Series
KWS	KIRK Wireless Server
MSF	Message Service Format. Contact compliance@spectralink.com for detailed information
PBX	Private Branch Exchange (IP/Lync/Analog)
PCS	Product Change Status
P-ID	Production Identification
PPM	Parts Per Million

Release

These combined release notes apply to the released versions of firmware for the Spectralink 75x0-Series. This version specifically applies to version PCS 16A of the firmware. The release is a main release that replaces the PCS 15K release 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 basic functionality of the handsets is the same. KIRK 7520 supports a wired headset and KIRK 7540 supports a wireless Bluetooth headset connection.



KIRK 7540

Firmware:

1414 1251

KIRK 7520

Firmware:

1414 1201



NB: Handsets that are upgraded manually with incorrect firmware will malfunction!

Driver for the Handset Management Cradle

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

Upgrading the Handset

Download the latest software for (product name) from the [Spectralink Support Portal](#). Sign up for Spectralink's technical newsletter [Tech Point](#) to get updated on new software releases and technical information.

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

Changes

Version PCS 16A - Q1, 2016

Added or Changed Features

- Removed not-implemented conference join from call menu.

Version PCS 15K - Q4, 2015 (Battery Type)

Added or Changed Features

- Service code *99956* allows to choose between battery types 84743424 (Old) and 84743428 (New), for optimal utilization of the battery capacity.

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

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 15A - Q1, 2015

Corrections

- Bluetooth will in some cases restart. If a call is being set up while it restarts, the phone can get in a state where making calls or turning it off isn't possible. This is now fixed.
- Bluetooth now replies error to new commands from BT headsets. This leads to faster connection.

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.
- 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 14H - Q3, 2014

Added or Changed Features

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

Corrections

- Improved handover in connected state.
- 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.
- 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.
- 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 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

- 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 13L - 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 match the new Spectralink 7000-Series product branding.
 - KIRK 5020 is changed to Spectralink 7520
 - KIRK 5040 is changed to Spectralink 7540
- The Bluetooth identification name has been changed to Spectralink 7540.
- 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

- Fixed an issue where answering a call using certain Bluetooth headset models could take up to 10 seconds.

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

Corrections

- An error introduced in PCS 13J could cause unpredictable behavior during an incoming call on a KWS1500 and on a KWS 2500/8000 configured in “DECT to DECT” or Analogue mode. The 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, which would prevent 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

- 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 the Handset Management Program to ensure that the modified features are supported.

Added or Changed Features

- 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). It is therefore now possible to search for, for example, Müller in the local phonebook.
- Spectralink branding.

Removed Features

- “Any key answer” has been removed.

Corrections

- Fixed an issue 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 the R-key, 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

- When displaying Messages/Templates the template number has been removed to present more of the template content.
- On a KIRK Wireless Server 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.

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 previous version 1.02 of the Handset Management Program could not delete Broadcast groups. This has been corrected in the latest Handset Management Program version.
- Initiating a second call by entering the phonebook and pressing the hook key failed. This feature has now been fixed.
- When *dect.ng_call_control* was enabled in the KIRK Wireless Server, the handset did not respond to the KIRK Wireless Server setting *Play on-hold tone*. This has now been corrected.
- The battery status was not updated if the handset was out of range. Now the status is updated regardless of the state of the handset. This applies to the KIRK 5020 and 5040 handsets only
- If the last call was in Loudspeaker mode, the next answered call would have audio in the rear speaker instead of the earpiece. This applied to the KIRK 5040 only and has been corrected.

Version PCS 12V - Q4, 2012

Added or Changed Features

- The search for names in the local phonebook has been improved. As an 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

- If an incoming call was rejected, the Bluetooth headset would continue to signal an incoming call. This has now been corrected.
- During call waiting the soft keys would show Reject/OK. This has now been changed to Reject/Accept.
- In PCS 12T it was not possible to transfer a call to a number in the phonebook. This has now been corrected.
- When using a wired headset, an item “Audio to headset/handset” appeared in the Options menu. This item applies to Bluetooth headsets only and has been removed.
- 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 resumes, 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

- GUI Enhancements:
 - Improved viewing angle of call icons.
 - The font used for digits has been modified to match the keypad font.
 - Check box graphics modified.
 - Charging icon modified.
 - Presentation of call waiting¹ with soft key options to accept/reject.
 - Status for call on hold¹.
- *endpoint_call_menu* string length has been increased from 11 to 15 characters per item.
- The handset will turn itself off after five minutes if it has not been subscribed to a system.
- If a message is received during an active voice call, discrete beeps are mixed into the received audio stream. The far end is unaffected.
- In the status menu, "Firmware version" has been changed to "General information".
- The Bluetooth MAC address has been added to General information.

Removed Features

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.
- 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.
- The Bluetooth identification name has been changed to KIRK 5040.

Version PCS 12P - Q2, 2012

Added or Changed Features

- A *User ID* field has been added to the handset subscription procedure. This allows an easy subscription to a KIRK Wireless Server supporting this feature; otherwise leave this field blank.

Removed Features

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

¹ Must be supported by KWS

Corrections

- Immunity to other DECT systems has been improved. The result is:
 - Better handover performance.
 - Less incidents where hook off results in the handset going back to idle instead of making/answering a call.
- Entering an asterisk by long pressing the * key would not automatically advance the cursor position. This has now been corrected.

Version PCS 12B - Q1, 2012

Added or Changed Features

- The display of a received message has been changed.
 - The call back number (if any) is shown in the info bar next to a hook icon.
 - If the message exceeds the display, the user can scroll up/down to view the entire message.
 - The message text is left aligned.

Removed Features

None

Corrections

- When Auto key lock was changed from on to off, the keypad would auto lock after leaving the menu. This has now been corrected.
- When backlight was set to Off and the handset restarted, the handset could appear “dead” until the battery was flat or reinserted. This has now been corrected.
- The auto answer feature “When headset” did not detect the headset on a KIRK 5020. This has now been corrected.
- Start date in *Menu/Settings/Advanced/Time & date*, has been changed to 1/1-2012.

Version PCS 09H - Q4, 2011

Added or Changed Features

- Hourglass, exclamation and OK icons have been added to the login procedures.
- When selecting MSF function or External services from the Menu, the handset will show an hourglass with the caption “Connecting...” If a CISS connection is not established within 3 seconds, an exclamation icon with the caption “Connecting...Failed” will appear for 3 seconds.
- When a message is received, pressing OK will mark this message as read in the inbox.

Removed Features

- The “System Busy” notification has been suppressed. However the red RF icon in the info bar will show up if the DECT base station is busy.
- The “Low Signal” notification has been suppressed.

Corrections

- Erasing messages could cause the handset to reset or hang. This has now been corrected.
- The selection bar in *Menu/Status* could be uninitialized until up/down keys were pressed. This has now been corrected.
- The selection bar in *Menu/Settings/Advanced.../Language* could be uninitialized. Now the currently selected language is highlighted.
- Writing the Phonebook using the HMP could fail for certain names/numbers. This has now been corrected.
- The Bluetooth connection to a Plantronics® Voyager™ PRO+ was unstable. This has now been corrected.

Version PCS 09A - Q3, 2011

Please note that performing this upgrade will delete any customer logo loaded via the HMP.

Added or Changed Features

- Russian language has been added. Please note that when selecting Russian language the code page of the handset changes to CP1251 (Cyrillic).
- MSF signal *PPVersionReq* has been added.

Removed Features

None

Corrections

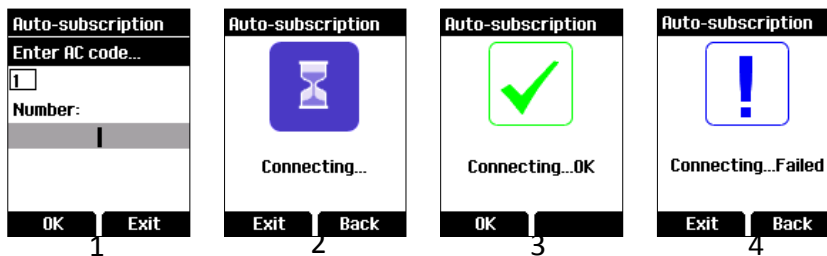
- Hooking off while viewing a message in the inbox without a callback number could cause the handset to place a call using the callback number from a previous selected message. This has now been corrected.

Version PCS 08P - Q2, 2011

Added or Changed Features

- The AEC is enabled by default. It may be disabled using the HMP if needed.
- While making an outgoing call, the handset can display additional calling party information, received from the KWS.

- The backlight will turn on if information, such as CWI, is received during an active call.
- Auto-subscription:



1. When the handset is turned on and has not yet been subscribed to one or more DECT systems, it will prompt the user for an access code.
 - a) Enter access code 'AC code' and press OK to start Auto-subscription or,
 - b) Press Exit to return to the main screen. (The original method for subscribing is unchanged).
2. Using the entered access code, the handset will now try to subscribe to ANY DECT system that allows subscription.
3. The result is one of the following:
 - c) The handset was successfully subscribed. Press OK to return to idle screen.
 - d) Auto-subscription failed. Press Back to try again or Exit to return to the main screen.

Removed Features

None

Corrections

- Hooking off during an MSF containing a call-back number would sometimes cause the handset to start the call in Push-to-talk mode. This has now been corrected.

Version PCS 08N - Q1, 2011

Added or Changed Features

- A new managed feature "Absent mode" has been added to the handset. In this mode the handset will reject calls and ignore messages while placed in the charger. The icon next to this text will appear in the display when this mode is active. The feature can only be enabled/disabled via HMP or MSF.
- Readout of handset model has been added to *Menu/Status/Firmware version*.
- Readout of P-ID has been added to *Menu/Status/Firmware version*.
- Individual Long Key settings have been added.



- A Push to talk-attribute may be added to an existing speed dial entry. In this mode the handset starts the call with the microphone muted. To un-mute, press and hold the “Mic on” soft key.
- If an incoming call setup contains a Calling Party Name, this is shown in the Call list instead of the number unless an associated name exists in the phone book.
- The handset can handle an incoming call setup containing a SIP-URI of up to 128 characters. This number can be redialed from the Call list by pressing the On/Off Hook key.
- **NB:** A number containing a SIP-URI cannot be stored in the phone book or entered via the keypad.
- A phone number containing a ‘+’ can be entered from the keypad by pressing the ‘#’ key three times.
- The phone book can handle numbers containing ‘+’.
- The display of missed calls can be suppressed by the KWS.
- Support of Virtual SIM has been added.

Removed Features

- In previous versions the phone book allowed for multiple entries to have the same name. This feature has been removed to avoid that duplicate names are created using the GUI or HMP.

Corrections

- Start date in *Menu/Settings/Advanced/Time & date*, has been changed to 1/1-2011.
- In previous versions changing the setting Headset Alert using HMP did not take effect until the handset was power cycled. This has now been corrected.
- During low radio coverage or in reflective environments, the user would sometimes experience long silent periods in the received audio. This has been corrected by reducing the fading period considerably.
- An incoming call starting with ‘+’ would appear correctly in the incoming call list, but redialing this number by pressing On/Off Hook key, failed. This has now been corrected.
- On rare occasions, pressing the ‘#’ key in idle mode would be misinterpreted as a long press of the ‘0’ key. This has now been corrected.
- Searching for an entry in the phone book, when adding a name to a speed dial key was malfunctioning. This has now been corrected.
- Long pressing the power key ‘Left soft key’ during an active call would terminate the call and enter the Turn off menu. This has now been corrected.

Version PCS 08K - Q4, 2010

Added or Changed Features

- Portuguese language added.

Removed Features

None

Corrections

- In some menus, depending on the selected language, the trailing three dots could be shown as a question mark by mistake. This has now been corrected.

Version PCS 08J - Q3, 2010

Added or Changed Features

- Added Intercom Call.
- Added support for XML-RPC *endpoint_base_stations*.

Removed Features

None

Corrections

- The Bluetooth error handling has been improved in cases where the headset loses its connection to the handset.
- The ringtone accompanying a received message was played back using the Ringing Volume setting. This has now been changed to use the Alerting Volume setting. See description of Alerting Volume setting in the User guide.

Version PCS 08F - Q2, 2010

Added or Changed Features

None

Removed Features

None

Corrections

- When using the handset to add new numbers to a phone book entry, names and phone numbers could get mixed up. This has now been fixed.

Version PCS 08E - Q1, 2010

Added or Changed Features

None

Removed Features

None

Corrections

- On a KWS8000, crossing signaling could occur if the handset was hooked off, just as the KW8000 sends an alerting. This caused the handset to keep ringing in off-hook state. Hooking on and off resulted in distorted audio. This has now been fixed.
- Start date in *Menu/Settings/Advanced/Time & date*, has been changed to 1/1-2010.
- In rare situations, when an incoming call was answered on the handset at the same time as the calling party hung up, the Bluetooth audio connection could hang. The only way to make the Bluetooth connection work again was to power cycle the handset. This problem has now been fixed.
- As a precaution, extra acknowledgement has been added to the signaling between the Bluetooth and DECT chipset, to guarantee that the Bluetooth communication will not fail.
- Added arrow in internal/external incoming call icons according to user guide.
- Answering a call in silent mode and pressing R-key and hooking on, would cause the audio of the next received call to fail. A dial tone would be heard instead of the calling party. This has now been fixed.
- The display driver has been optimized for speed. This change does not apply to handsets produced before 2008.

Version PCS 08C - Q4, 2009

Added or Changed Features

- Pressing the left navigation key in a call, will reject call waiting.
- Made full implementation of these messaging features:
 - AsciiStrReq
 - MenuSelectSetupReq

Removed Features

None

Corrections

- When hooking off, pressing Mute and calling an extension on a KWS300/6000, TX audio was not muted. This has been corrected.
- Receiving a call waiting indication from the system would mute both RX/TX audio as long as the call waiting tone was active. This has been corrected by mixing call waiting tone with the RX audio.

Version PCS 08A - Q3, 2009

Added or Changed Features

- HAC Compliance.
 - When HAC is enabled:
 - » The three lower steps of the volume control are disabled.
 - » More bass is added to the received audio.
 - KIRK 50- Handsets sold in the US has HAC enabled from the factory.
 - HAC can be disabled/enabled using the HMP.
- Acoustic Echo Canceller.
 - The microphone can pick up audio from the earpiece. This echo can be heard by the calling party. It becomes more noticeable with higher volume and longer phone system latency.
 - The AEC is not enabled by default, but can be enabled using the HMP.
- The missed call(s) notification in the display can be disabled via the HMP. However, missed calls are still registered in the call register list.
- The maximum number of subscriptions has been raised from 10 to 15 systems.
- During an MSF text call, the up/down key on the 4-way navigation key can be sent to the messaging application.
- The internal organization of the phone book has been optimized for speed and memory usage.

Removed Features

- If an MSF with timestamp was received, the handset time and date would be set. This feature has been removed, to avoid that a delayed message sets back the handset clock.

Corrections

- Grammatical changes to Danish language.
- The service code *99950* that deletes all phone book entries, messages, and subscriptions, now also clears the call register list. The default standby text is restored if changed by the system.

Version PCS 07H - Q2, 2009

Added or Changed Features

- The handset will automatically upgrade the Bluetooth firmware.

Removed Features

None

Corrections

- Excessive messaging could cause the handset to restart or turn off. Problem fixed by optimizing heap usage.
- Time when returning from out of range back into range, improved from 10 to 3 seconds.

Version PCS 07A - Q1, 2009

Initial release for KIRK 5040

Added or Changed Features

- Added locally generated CPT for Australia and United Kingdom (relevant for the KWS300 and KWS6000 solutions). From the HMP the following country specific CPT can be selected:
 - Denmark
 - United States
 - United Kingdom
 - Australia
 - Germany
- When the keyboard is locked, a small lock icon is shown in the info bar at the top of the display instead of a big lock icon at the screen center.
- Via the HMP it is possible to personalize the standby logo of the handset.
- Ringer tone 5 has been replaced by the sound of an analog phone
- Ringer tone 6 has been replaced by ringer tone 6 from the KIRK 40-Handsets (high volume with high frequency tones).

Removed Features

None

Corrections

- Pressing the R-key when receiving a message during conversation would terminate the call. The message is now exited and the phone returns to the call display.

- Subscribed to a KWS600v3 system, the handset did not distinguish between internal and external incoming calls. This has now been corrected.
- Subscribed to a KWS300 or KWS6000 system, the volume of the dial tone could not be changed. This has now been corrected.
- Subscribed to a residential system, entering a number and pressing the R-key would make an internal handset to call. Now only a one digit number can be called. If entering more than one digit and pressing the R-key, the phone returns to idle.
- Subscribed to a KWS300 or KWS6000 system, CPT could not be heard in the Bluetooth headset. This has now been corrected.

Version PCS 06M - Q4, 2008

Added or Changed Features

- If handset time and date is not set either manually or by the system, the time and date will not be visible in the info bar of the display, in the call history list or in the message inbox of the handset.

Removed Features

None

Corrections

- When accessing the phone book off-hook, dialing was malfunctioning in PCS 06L. This problem has now been resolved.
- Unnecessary mute period after off-hook MSF alerting has now been removed.
- In rare occasions, the display skewed like the display of a television with poor signal. This problem has now been fixed.
- Start and stop of ringer and vibrator will now follow the ringer cadence of an analogue PBX.
- Automatic line breaks in long strings, received via MSF in e.g. corporate directory, have been improved.

Version PCS 06L - Q2, 2008

Added or Changed Features

- Finnish language added.
- A more accurate internal timer has been used to feed the “real time clock” with an accuracy of a few PPM. To improve clock accuracy, when the handset is out of radio coverage.
- The volume of alert tones caused by reception of Broadcast or MSF is attenuated to 9dB below lowest volume step if a voice call is active on the handset.

Removed Features

- Standby text received in SS_FACILITY was stored in EEPROM. Now, only the display is updated, not the EEPROM.

Corrections

- In the German language the soft key “Shortcut” is renamed from “Kurzwahl” to “Shortcut”.
- Menu/Settings/Advanced/Time & Date/Change date starts on 1/1/2008 instead of 1/1/2007.
- Reception of MWI did not update the display. Now the display lights up when the MWI is turned on/off.
- On some systems the CPN was not shown in the display when the call was transferred. It is now displayed on all systems.
- Headset alert settings did not work when called from “Shortcut” menu. Now, it works when called from the “Shortcut” menu.

Version PCS 06F - Q1, 2008

Initial release for KIRK 5020