



POLYCOM<sup>®</sup>

*KIRK<sup>®</sup> Release Notes*

KIRK<sup>®</sup> 6020, KIRK<sup>®</sup> 6040

KIRK<sup>®</sup> 7010, KIRK<sup>®</sup> 7020 and KIRK<sup>®</sup> 7040

**Firmware Version** PCS 09Ha  
Q4, 2011

## Table of Contents

|   |          |
|---|----------|
| <b>1. INTRODUCTION.....</b>                               | <b>2</b> |
| 1.1 TERMS AND DEFINITIONS .....                           | 2        |
| 1.2 RELEASE .....   | 2        |
| 1.3 IMPORTANT NOTES.....                                  | 2        |
| 1.4 UPDATING THE DRIVER FOR THE USB ENABLED CHARGER ..... | 2        |
| 1.5 UPGRADING THE HANDSET.....                            | 2        |
| <b>2. DISTRIBUTION FILES.....</b>                         | <b>3</b> |
| <b>3. CHANGES .....</b>                                   | <b>3</b> |
| 3.1 VERSION PCS 09HA – Q4, 2011 .....                     | 3        |
| 3.1.1 <i>Added or Changed Features</i> .....              | 3        |
| 3.1.2 <i>Removed Features</i> .....                       | 3        |
| 3.1.3 <i>Corrections</i> .....                            | 3        |
| 3.2 VERSION PCS 09AA – Q3, 2011 .....                     | 4        |
| 3.2.1 <i>Added or Changed Features</i> .....              | 4        |
| 3.2.2 <i>Removed Features</i> .....                       | 4        |
| 3.2.3 <i>Corrections</i> .....                            | 4        |
| 3.3 VERSION PCS 07PA – Q2, 2011 .....                     | 4        |
| 3.3.1 <i>Added or Changed Features</i> .....              | 4        |
| 3.3.2 <i>Removed Features</i> .....                       | 5        |
| 3.3.3 <i>Corrections</i> .....                            | 5        |
| 3.4 VERSION PCS 07EA – Q1, 2011 .....                     | 5        |
| 3.4.1 <i>Added or Changed Features</i> .....              | 5        |
| 3.4.2 <i>Removed Features</i> .....                       | 6        |
| 3.4.3 <i>Corrections</i> .....                            | 6        |
| 3.5 VERSION PCS 07AA – Q4, 2010 .....                     | 6        |
| 3.5.1 <i>Added or Changed Features</i> .....              | 6        |
| 3.5.2 <i>Removed Features</i> .....                       | 8        |
| 3.5.3 <i>Corrections</i> .....                            | 8        |
| 3.6 VERSION PCS 06DA – Q3, 2010 .....                     | 8        |
| 3.6.1 <i>Added or Changed Features</i> .....              | 8        |
| 3.6.2 <i>Removed Features</i> .....                       | 8        |
| 3.6.3 <i>Corrections</i> .....                            | 8        |
| 3.7 VERSION PCS 05DA – Q2, 2010 .....                     | 9        |
| 3.7.1 <i>Added or Changed Features</i> .....              | 9        |
| 3.7.2 <i>Removed Features</i> .....                       | 9        |
| 3.7.3 <i>Corrections</i> .....                            | 9        |

## 1. Introduction

### 1.1 Terms and Definitions

AEC Acoustic Echo Canceller

CISS Connection Independent Supplementary Services

CWI Call Waiting Indication

GUI Graphical User Interface

HMP Handset Management Program KIRK 50-, 60-, and 70-Handset Series, v. 1.02

KWS KIRK Wireless Server

MSF Message Service Format. Contact [KIRK.Certified@Polycom.Com](mailto:KIRK.Certified@Polycom.Com) for detailed information

P-ID Production Identification

### 1.2 Release

These combined release notes apply to the released versions of firmware for the KIRK 60- and 70-Handset series. This version specifically applies to version PCS 09Ha of the firmware. The release is a main release that replaces the PCS 09Aa release as the latest generally available (GA) release.

### 1.3 Important Notes

The basic functionality of these handsets is the same; however minor differences in features as well as hardware exist. Please note that each handset type must be updated with the appropriate firmware image.

### 1.4 Updating the driver for the USB enabled charger

The Device Manager/USB Serial Port/Driver/Driver version should be 2.8.14.0 or later.

If needed, download and install the latest driver from this location:

<http://www.ftdichip.com/Drivers/VCP.htm>

### 1.5 Upgrading the Handset

Use the HMP to back up the phone book and/or settings prior to the upgrade.

From PCS 07Aa and higher it is no longer necessary to execute the “Reset to Factory Settings”.

The handset might reboot after the update to apply changes and updates to the non-volatile memory.

## 2. Distribution Files

Please click [here](#)>> to find firmware image of the KIRK 6020 handset.

Please click [here](#)>> to find firmware image of the KIRK 6040 handset.

Please click [here](#)>> to find firmware image of the KIRK 7010 handset.

Please click [here](#)>> to find firmware image of the KIRK 7020 handset.

Please click [here](#)>> to find firmware image of the KIRK 7040 handset.

## 3. Changes

### 3.1 Version PCS 09Ha – Q4, 2011

#### 3.1.1 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.
- A 4 digit power off password can be activated in the handset via MSF.
- For *endpoint\_sms\_advanced* messages, the delete option is now controlled from the response enable mask.

#### 3.1.2 Removed Features

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

#### 3.1.3 Corrections

- When being on the edge of radio coverage, the user could experience “cracks” in the audio. This has been solved by improving the muting algorithm.
- 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.

- When *endpoint\_sms\_advanced* messages were opened from the Task list they always displayed the following state: “Allow Alarm Accepted”. Now the message is opened correctly according to its state.
- The handset could restart when having too many *endpoint\_sms\_advanced* messages. This has been solved by implementing a FIFO of 50 messages.
- The text strings shown when handling *endpoint\_sms\_advanced* messages were in English. They have now been translated into the languages selectable in the handset.

## **3.2 Version PCS 09Aa – Q3, 2011**

### **3.2.1 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* and *PPSetCradleRelReq* has been added.

### **3.2.2 Removed Features**

None

### **3.2.3 Corrections**

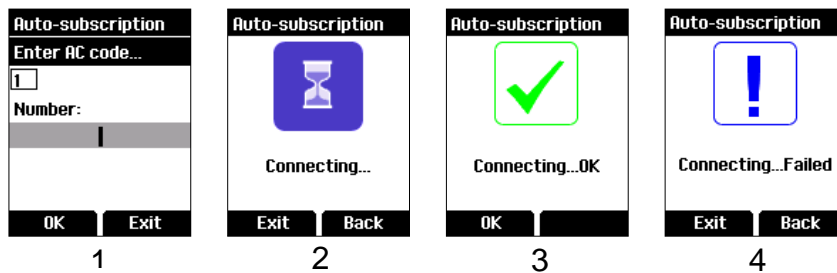
- Hooking off while viewing a message in the inbox without a callback number could cause the handset to place a call using the callback number from a previous selected message. This has now been corrected.
- When the capacity of the MSF3 messages was exceeded, the handset could restart. This has been corrected by making a message FIFO with a capacity of 50 messages.
- The air interface mechanism scanning for free DECT channels was too sensitive, causing the handset to see other DECT channels as “busy”. This resulted in the following issues, which have now been corrected:
  - A connection was not always established when the handset was hooked off.
  - The handover performance was not as robust as in the KIRK 40- and KIRK 50- handset series.
- Improved power management has increased the talk time on:
  - KIRK 6020, KIRK 7010 and KIRK 7020 from 17 hours up to 23 hours.
  - KIRK 6040 and KIRK 7040 from 15 hours up to 22 hours.

## **3.3 Version PCS 07Pa – Q2, 2011**

### **3.3.1 Added or Changed Features**

- The AEC is enabled by default.
- 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:
  - a. The handset was successfully subscribed. Press OK to return to idle screen.
  - b. Auto-subscription failed. Press Back to try again or Exit to return to the main screen.

### 3.3.2 Removed Features

- The AEC cannot be disabled via the HMP.

### 3.3.3 Corrections

- The AEC routine handled weak signals poorly. This problem has been solved by implementing the same AEC method as used in the KIRK 50-Handsets.
- While moving around, the microphone would sometimes pick up low frequency wind noise. This has been eliminated by enabling a high-pass microphone filter.
- 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.

## 3.4 Version PCS 07Ea – Q1, 2011

### 3.4.1 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 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.

### 3.4.2 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.

### 3.4.3 Corrections

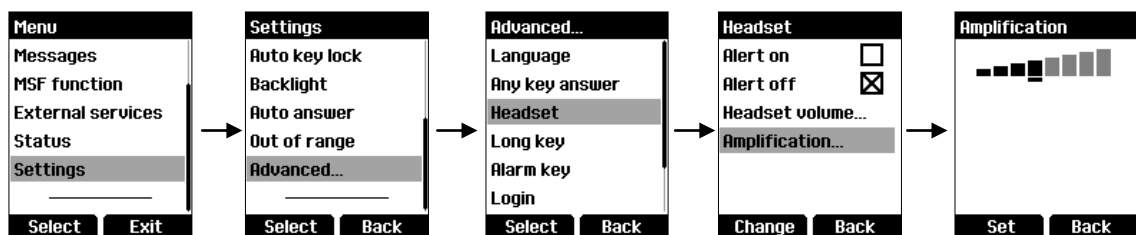
- Start date in *Menu/Settings/Advanced/Time & date*, has been changed to 1/1-2011.
- In previous versions changing the setting Headset Alert using HMP did not take effect until the handset was power cycled. This has now been corrected.
- When receiving a message alert during an active call, the far end would sometimes experience a scratching noise. This has now been corrected.
- An incoming call starting with '+' would appear correctly in the incoming call list, but re-dialing 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.

## 3.5 Version PCS 07Aa – Q4, 2010

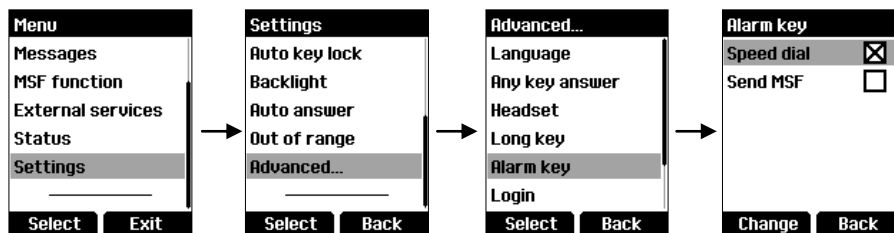
### 3.5.1 Added or Changed Features

- Portuguese language added.

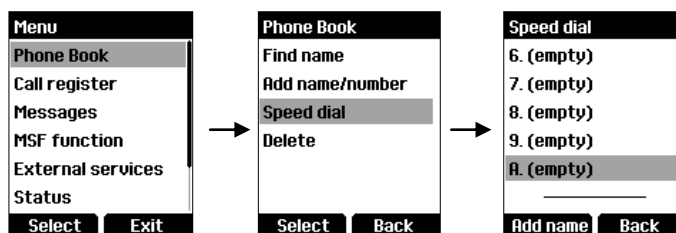
- Added support for broadcast messaging. The messaging format now includes icons.
- During an active voice call, the alert tones of received messages are attenuated by 30dB.
- The speaker gain, when in loudspeaking mode, has been raised by 12dB.
- Ringer tone 2 has been replaced by a low-frequency higher volume “digital” ringer tone.
- Ringer tone 3 has been replaced by a high-frequency higher volume “digital” ringer tone.
- The built-in wired headset amplifier<sup>1</sup> can be configured using the handset menu, see screen dumps below. The selectable amplification range spans from -12dB to +18dB.



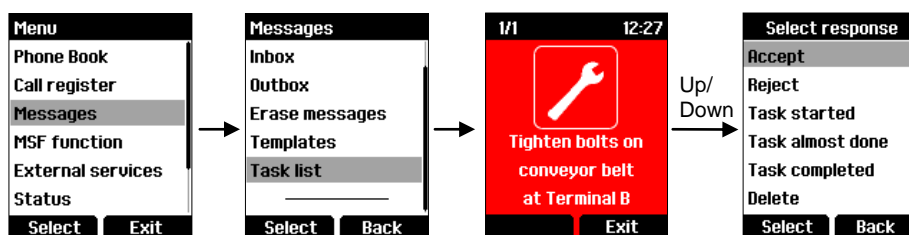
- An entry in the phone book can be assigned to a long key press on the alarm key. First the alarm key must be configured to use speed dial, see below.



Then speed dial entry “A” must be assigned by selecting Add name:



- A menu has been added to access the XML-RPC *endpoint\_sms\_advanced* Task list.



<sup>1</sup> Supported in KIRK 60- Handset series only.

In this example, the Task list has been populated by a messaging application. Pushing up/down on the navigation key will enable the user to select a response. For easy access to the Task list, this entry has been added to the Shortcut list.

### 3.5.2 Removed Features

None

### 3.5.3 Corrections

- On KIRK 6040/7040 the Auto answer feature “When headset” did not detect presence of a wired headset. This has now been corrected.
- On KIRK 6040/7040 the Headset menu for configuring wired headset was missing. It has now been added.
- KIRK 6040/7040 would identify themselves as “Polycom 5040” to other Bluetooth devices. They now identify themselves correctly.
- In some menus, depending on the selected language, the trailing three dots would be shown as a question mark. This has now been corrected.
- Ringer tone 6 sounded slightly distorted. This has now been corrected.

## 3.6 Version PCS 06Da – Q3, 2010

### 3.6.1 Added or Changed Features

- Added Intercom Call.
- Added support for XML-RPC *endpoint\_base\_stations*.
- The audio processing in handsfree mode has been changed from half duplex to full duplex<sup>2</sup>.
- Acoustic echo cancellation has been implemented to reduce the ear to mic. overhearing, noticeable for the calling party in systems with long latencies (>10ms).

**Note:** The two features right above do not apply to handsets shipped before May 2010 as they have an older CPU revision. The CPU revision must be “C” or higher. See \*99984\* HOOK for current CPU Revision.

### 3.6.2 Removed Features

None

### 3.6.3 Corrections

- The Bluetooth error handling has been improved in cases where the headset loses its connection to the handset.
- The ringer tone accompanying a received message was played back using the Ringing Volume setting. This has now been changed so that it uses the Alerting Volume setting. See description of Alerting Volume setting in the User guide.
- If CWI was received during an active call, the audio was sometimes distorted. This has now been corrected.

---

<sup>2</sup> Not supported by KIRK 7010.

- Using register recall during an active call sometimes caused a short glitch in the audio path. This has now been corrected.
- On rare occasions, the audio sometimes would be missing in both directions due to an internal bus lock-up. The only work around was to power cycle the handset. This has now been corrected.

### **3.7 Version PCS 05Da – Q2, 2010**

#### **3.7.1 Added or Changed Features**

The handset will turn itself off after five minutes, if it has not been subscribed to a system. This feature is added to avoid battery discharge, if the handset is accidentally turned on during transportation.

#### **3.7.2 Removed Features**

#### **3.7.3 Corrections**

To avoid unpredictable behavior of the handset, it will not turn on if battery level is low. The LED<sup>3</sup> at top will light red while the power key is pressed.

---

<sup>3</sup> Not supported by KIRK 7010