



POLYCOM®

*KIRK® Release Notes*  
**KIRK® 5040**

**Firmware Version** PCS 08Na  
Q1, 2011

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## 1. Introduction

### 1.1 Terms and Definitions

AEC Acoustic Echo Cancellor

HAC Hearing Aid Compliance

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

KWS KIRK Wireless Server

MSF Message Service Format

P-ID Production Identification

PPM Parts Per Million

### 1.2 Release

These release notes apply to released versions for firmware for the KIRK 5040. This version specifically applies to version PSC 08Na of the firmware. The release is a main release that replaces the PCS 08Ka release as the latest generally available (GA) release.

### 1.3 Important Notes

Please note that this release note and its firmware upgrade apply only to the KIRK 5040-Handset Series. For the KIRK 5020-Handset Series, please see KIRK<sup>®</sup> Release Notes KIRK<sup>®</sup> 5020 firmware version PCS 08Na, Q1/2011.

### 1.4 Updating the USB Driver

The Device Manager/USB Serial Port/Driver/Driver version should be 2.8.2.0 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

Back up the phone book and/or settings prior to the upgrade.



If you upgrade a handset prior to version PCS 08Aa, you must activate the default 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 download the firmware image of the KIRK 5040.

## 3. Changes

### 3.1 Version PCS 08Na – Q1, 2011

#### 3.1.1 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 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.



#### 3.1.2 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.

#### 3.1.3 Corrections

- Start date in *Menu/Settings/Advanced/Time & date*, has been changed to 1/1-2011.
- 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 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.

## **3.2 Version PCS 08Ka – Q4, 2010**

### **3.2.1 Added or Changed Features**

- Portuguese language added.

### **3.2.2 Removed Features**

None.

### **3.2.3 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.

## **3.3 Version PCS 08Ja – Q3, 2010**

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

- Added Intercom Call.
- Added support for XML-RPC *endpoint\_base\_stations*.

### **3.3.2 Removed Features**

None.

### **3.3.3 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.

## **3.4 Version PCS 08Fa - Q2, 2010**

### **3.4.1 Added or Changed Features**

None.

### **3.4.2 Removed Features**

None.

### **3.4.3 Corrections**

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

## **3.5 Version PCS 08Ea - Q1, 2010**

### **3.5.1 Added or Changed Features**

None.

### **3.5.2 Removed Features**

None.

### **3.5.3 Corrections**

- On a KWS8000, crossing signaling could occur if the handset was hooked off just as the KW8000 sent an alert. 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 chipsets, 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.

## **3.6 Version PCS 08Ca - Q4, 2009**

### **3.6.1 Added or Changed Features**

- Pressing the left navigation key during a call, will reject call waiting.<sup>1</sup>
- These messaging features have been fully implemented:
  - AsciiStrReq

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<sup>1</sup> Must be supported by the infrastructure.

- MenuSelectSetupReq

### **3.6.2 Removed Features**

None.

### **3.6.3 Corrections**

- 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.

## **3.7 Version PCS 08Aa - Q3, 2009**

### **3.7.1 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 5040 handsets sold in the US are HAC enabled from the factory.
  - HAC can be disabled/enabled using the HMP.
- Acoustic Echo Canceller.
  - The KIRK 5040 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 phonebook has been optimized for speed and memory usage.

### **3.7.2 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 set back the handset clock.

### **3.7.3 Corrections**

- Grammatical corrections to Danish language.

- The service code \*99950\* that deletes all phonebook entries, messages, and subscriptions, now also clears the call register list. The default standby text is restored, if changed by the system.

### **3.8 Version PCS 07Hb - Q2, 2009**

#### **3.8.1 Added or Changed Features**

- The handset will automatically upgrade the Bluetooth firmware.

#### **3.8.2 Removed Features**

- None.

#### **3.8.3 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.

### **3.9 Version PCS 07Aa - Q1, 2009**

#### **3.9.1 Added or Changed Features**

- Added locally generated Call Progress Tones (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 40xx (high volume with high frequency tones).

#### **3.9.2 Removed Features**

None.

### **3.9.3 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 wireless headset. This has now been corrected.