



KIRK[®] Release Notes
KIRK[®] 5040

Firmware Version PCS 08Ka
Q4/2010

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1. Introduction

1.1 Terms and Definitions

AEC Acoustic Echo Canceller.

HAC Hearing Aid Compliance.

HMP Handset Management Program KIRK 50-, 60-, and 70-Handset Series, v. 1.00.

PPM Parts Per Million.

1.2 Release

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

1.3 Important Notes

Please note that this release note and its firmware upgrade only apply to the KIRK 5040-Handset Series. For the KIRK 5020-Handset Series, please see KIRK 5020 Release Notes Q4/2010.

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 latest driver from this location:

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

1.5 Upgrading the Handset

Before upgrading to PCS 08Ka, back up the phone book and/or settings using the HMP.



If you upgrade a handset prior to version PCS 08Aa, you must activate the default factory settings.

2. Distribution Files

Please click [here](#) to download the firmware of the KIRK 5040.

3. Changes

3.1 Version PCS 08Ka – Q4, 2010

3.1.1 Added or Changed Features

- Portuguese language added.

3.1.2 Removed Features

None.

3.1.3 Corrections

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

3.2 Version PCS 08Ja – Q3, 2010

3.2.1 Added or Changed Features

- Added Intercom Call¹
- Added support for XML-RPC *endpoint_base_stations*.

3.2.2 Removed Features

None.

3.2.3 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.

3.3 Version PCS 08Fa - Q2, 2010

3.3.1 Added or Changed Features

None.

3.3.2 Removed Features

None.

¹ Supported by KWS300/6000 from PCS 05C_ and up.

3.3.3 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.

3.4 Version PCS 08Ea - Q1, 2010

3.4.1 Added or Changed Features

None.

3.4.2 Removed Features

None.

3.4.3 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.

3.5 Version PCS 08Ca - Q4, 2009

3.5.1 Added or Changed Features

- Pressing the left navigation key during a call, will reject call waiting.²
- These messaging features have been fully implemented:
 - AsciiStrReq
 - MenuSelectSetupReq

² Must be supported by the infrastructure.

3.5.2 Removed Features

None.

3.5.3 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.

3.6 Version PCS 08Aa - Q3, 2009

3.6.1 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 Cancellor.
 - 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.

3.6.2 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.

3.6.3 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.

3.7 Version PCS 07Hb - Q2, 2009

3.7.1 Added or Changed Features

- The handset will automatically upgrade the Bluetooth firmware.

3.7.2 Removed Features

- None.

3.7.3 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.

3.8 Version PCS 07Aa - Q1, 2009

3.8.1 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).

3.8.2 Removed Features

None.

3.8.3 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.