

Spectralink DECT Base Station

Release Notes Q3 2016

Firmware Version PCS16E_

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Revision History

<i>Date</i>	<i>Description</i>
2016-05-17	Release notes for PCS16E_
2016-04-20	Release notes for PCS16D_
2016-04-01	Release notes for PCS16C_
2015-12-02	Release notes for PCS16A_
2015-09-23	Release notes for PCS15L_
2015-03-10	Release notes for PCS15C_
2014-09-24	Release notes for PCS14H_ (Initial Release)

Introduction

Release

The products in the Spectralink DECT Base Station portfolio are based on the same software. These release notes includes information about software updates and corrections for the DECT Base Stations featuring:

- Spectralink DECT Base Station 4CH – 4 voice channels available.
- Spectralink DECT Base Station 8CH – 8 voice channels available.
- 12 radio channels with selection between 120 DECT channels.
- External Antenna connector for extended coverage.
- Agnostic mounting.

The Spectralink DECT Base Station controls the traffic channels in the air and functions as the link between Spectralink 7000 Series handsets and the Spectralink DECT Server 2500 or 8000.

With larger and larger DECT systems and an increasing usage of messaging the need for radio channels is growing. The new and updated Spectralink DECT Base Station has been designed to meet this market need, and is available with either four or eight radio channels, each with the option of external antenna connection.

The eight channel model will be especially beneficial in large installations and for customers who use messaging.

The new DECT Base Station is compatible (and backwards compatible) with the entire Spectralink 7000 portfolio and can be deployed into existing installations without any issues.

These release notes apply to the released firmware versions for the Spectralink DECT Base Station. This version specifically applies to version PCS16E_ of the firmware.

Important Notes

Some features require specific versions of the firmware loaded into the Spectralink DECT Servers.

Feature License and Platform Limitations

No License is resident in the DECT Base Station.

The following table summarizes features that require a particular hardware platform.

<i>Feature</i>	<i>Comment</i>
External Antenna	Spectralink External Antenna required. Part number 0231 9507
8 channels option	DECT Server 2500/8000 required

System Requirements

Hardware

<i>Hardware Platform</i>	<i>Description</i>
DECT Base RFP6 HW PCS11 or newer	Spectralink DECT Base Station

Distribution Files

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

Changes

Version PCS16E_ - May, 2016

Added or Changed Features

None

Known limitations

None

Corrections

- Improved selection of channel for dummy bearer in DECT 6.0 (1G9) systems..

Version PCS16D_ - Q2, 2016

Added or Changed Features

None

Known limitations

None

Corrections

- Improved detection of other systems and own bases, thereby enhancing the handsets ability to discover the base station in handover situations.

Version PCS16C_ - Q2, 2016

Added or Changed Features

None

Known limitations

None

Corrections

- When requesting several handsets to establish a call at the same time, the base station could enter a state where some of the call requests would get dropped, resulting in handsets not ringing. This has been fixed.
- When sending consecutive text messages the base station could in some situations cause handsets listening to the base station to lose the radio signal. This forces the handsets to enter search mode to find the base station again. This has been fixed.

Version PCS16A_ - Q1, 2016

Added or Changed Features

None

Known limitations

None

Corrections

- When detecting other bases to be used in the service report, the base could report wrong bases if the scanning routine was disturbed by asynchronous systems, or other radio noise. This has been fixed.
- A batch of bases had during the production been programmed to always use the external antenna. This causes a drop of 10 dB on the signal strength on bases where the external antenna is not connected. This release will program the base back to the default state where the internal antennas are used if no external antenna has been connected.

Version PCS15L_ - Q4, 2015

Added or Changed Features

- Added additional functionality to the use of external antennas. It is now possible to select three modes. Supported modes are:
 - Only use internal antennas.
 - Use both internal and external antennas.
 - Only use external antenna.

These modes can be set through the DECT server Web GUI.

- Normally the base supports a maximum of three repeaters with RPN offset 64, 128 and 192. It is now possible to change this, so the base station supports 0,1 or 3 repeaters. Performing the change is not yet implemented in the DECT server.

Removed Features

None

Known limitations

- When detecting other bases to be used in the service report, the base can report wrong bases if the scanning routine is disturbed by asynchronous systems, or other radio noise.

Corrections

- When using the digital base in a LAN sync setup with IP bases, the digital base could broadcast a wrong multiframe number, causing the LAN sync IP bases to resynchronize. This has been fixed.
- DECTESC-623: When used at deployments where the base station could see many other bases belonging to its own system, the base station could reset. This has been fixed.

Version PCS15C_ - Q2, 2015

Added or Changed Features

None

Removed Features

None

Known limitations

- When detecting other bases to be used in the service report, the base can report wrong bases if the scanning routine is disturbed by asynchronous systems, or other radio noise.

Corrections

- Power consumption reduced in idle dummy bearer transmission and when having more than 2 calls to optimize operation on long lines.

Configuration File Parameter Changes

None

Version PCS14H_ - Q4, 2014

Initial Spectralink DECT Base Station version.

Known limitations

- When detecting other bases to be used in the service report, the base can report wrong bases if the scanning routine is disturbed by asynchronous systems, or other radio noise.