



Release Notes

Release Notes Version: V2.0

Product Name: *HiPath Cordless IP Base Station*

Product Version: V1

Software Release is identified by Version: V1R6.0.0

Major Release Minor Release Fix Release Hotfix Release

Production Version: V4.2.1 / V0.37.0

System:		
File type	Product Item Number / File name	Size
	P30152-P1439-P1-39 / BSIP1_UI_V1-R6.0.0.tar	19 MB

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DELIVERABLES: Full Release: Delta Release:

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1 History of change

1.1 Release notes history

Version	Date	Changes
1.0	2015-10-08	Initial Version for Minor Release
2.0	2015-10-15	Corrected version

1.2 Product version history

List of all released Software Versions since Major Software Release (M3), i.e. all Software Releases in PRISMA/SWS having been released within this Product version:

Software version (e.g. Vx[.y] Rm.f.h)	Production version (e.g. APS)	Date	Remarks
V1R0.2.0		2008-12-03	Including: Platform V1R0.1.20 Application V3.24.5
V1R0.3.0		2009-02-02	Including: Platform V1R0.1.20 Application V3.25.5
V1R0.4.0	CIP-BS-10.10	2009-03-03	Including: Platform V0.11.0 Application V3.25.7
V1R1.0.1	CIP-BS-10.11	2009-03-14	Including: Platform V0.14.0 Application V3.25.9
V1R1.2.0	CIP-BS-10.13	2009-05-05	Including: Platform V0.14.0 Application V3.25.11
V1R1.3.0	CIP-BS-10.14	2009-06-26	Including: Platform V0.16.0 Application V3.27.03
V1R1.4.0 <i>withdrawed</i>	CIP-BS-10.15	2009-08-24	Including: Platform V0.16.0 Application V3.27.04
V1R1.5.0	CIP-BS-10.16	2009-10-07	Including: Platform V0.16.0 Application V3.27.05
V1R1.6.0	CIP-BS-10.17	2010-02-01	Including: Platform V0.16.0 Application V3.27.06

Software version (e.g. Vx[.y] Rm.f.h)	Production version (e.g. APS)	Date	Remarks
V1R1.9.0	CIP-BS-10.18	2010-03-09	Including: Platform V0.21.0 Application V3.29.07
V1R1.10.0	CIP-BS-10.19	2010-03-29	Including: Platform V0.21.0 Application V3.29.09
V1R1.11.0	CIP-BS-10.20	2010-08-17	Fix Release Including: Platform V0.21.0 Application V3.29.11
V1R1.12.0	CIP-BS-10.21	2010-10-21	Fix Release Including: Platform V0.21.0 Application V3.29.12
V1R2.0.0	CIP-BS-10.206	2011-01-20	Fix Release Including: Platform V0.26.0 Application V3.32.14
V1R2.1.0	CIP-BS-10.207	2011-03-28	Fix Release Including: Platform V0.28.0 Application V3.32.15
V1R2.2.0	CIP-BS-10.208	2011-05-31	Fix Release Including: Platform V0.29.0 Application V3.32.16
V1R2.3.0	CIP-BS-10.209	2011-06-24	Fix Release Including: Platform V0.29.0 Application V3.32.18
V1R3.0.0	CIP-BS-10.303	2011-07-15	Minor/Fix Release Including: Platform V0.29.0 Application V3.32.34
V1R3.1.0	CIP-BS-10.304	2011-08-25	Fix Release Including: Platform V0.29.0 Application V3.32.35
V1R3.2.0	CIP-BS-10.306	2011-11-23	Fix Release Including: Platform V0.29.0 Application V3.32.37
V1R4.0.0	CIP-BS-10.401	2012-01-23	Minor/Fix Release Including: Platform V0.30.0 Application V3.34.3

Software version (e.g. Vx[.y] Rm.f.h)	Production version (e.g. APS)	Date	Remarks
V1R4.1.0	CIP-BS-10.402	2012-03-21	Fix Release Including: Platform V0.30.0 Application V3.34.6
V1R4.2.0	CIP-BS-10.403	2012-04-12	Fix Release Including: Platform V0.30.0 Application V3.34.7
V1R4.3.0	CIP-BS-10.404	2012-07-18	Fix Release Including: Platform V0.32.0 Application V3.34.10
V1R4.4.0	CIP-BS-10.406	2012-10-12	Fix Release Including: Platform V0.32.0 Application V3.34.14
V1R4.5.0	CIP-BS-10.407	2013-01-15	Fix Release Including: Platform V0.32.0 Application V3.34.15
V1R4.6.0	CIP-BS-10.409	2013-04-02	Fix Release Including: Platform V0.32.0 Application V3.34.17
V1R4.6.1	CIP-BS-10.410	2013-05-02	Hotfix Release Including: Platform V0.32.0 Application V3.34.18
V1R4.7.0	CIP-BS-10.411	2013-07-15	Fix Release Including: Platform V0.32.0 Application V3.34.20
V1R4.8.0	CIP-BS-10.413	2013-10-15	Fix Release Including: Platform V0.32.0 Application V3.34.22
V1R4.9.0	CIP-BS-10.414	2013-11-2	Fix Release Including: Platform V0.32.0 Application V3.34.23
V1R4.10.0	CIP-BS-10.415	2014-02-03	Fix Release Including: Platform V0.32.0 Application V3.34.25
V1R5.0.0	CIP-BS-15.503	2013-11-21	Minor Release Including: Platform V0.32.0 Application V4.0.10

Software version (e.g. Vx[.y] Rm.f.h)	Production version (e.g. APS)	Date	Remarks
V1R5.1.0	CIP-BS-15.505	2014-04-25	Fix Release (Rebranding) Including: Platform V0.34.0 Application V4.0.14
V1R5.3.0	Platform V0.35.0 Application V4.0.16	2014-07-11	Fix Release for FT, GA
V1R5.4.0	Platform V0.35.0 Application V4.0.17	2014-08-06	Fix Release
V1R5.4.1	Platform V0.35.0 Application V4.0.17rc1	2014-09-16	Hotfix Release
V1R6.0.0	Platform V0.37.0 Application V4.2.1	2015-10-06	New Minor Release with new features and bug fixes

2 Important Information

2.1 Installation

Recommended steps to install a new HiPath Cordless IP System (small Solution):

- Install one (the first) base station via POE (BSIP1 with factory default IP-Address: 192.168.1.1)
- Login with your browser at URL [http:// 192.168.1.1](http://192.168.1.1) on the Web Based Management (WBM)
- Status: Partition 2 is active.
Update the system to the release this Release Note deals with - (button [System Update])
- After successful update (update complete) switch the Boot Partition to Partition (System) 1 and reboot (button [Reboot])
- Important: Clear the cash of your used browser and login again at URL [http:// 192.168.1.1](http://192.168.1.1)
- Status: Partition 1 is active
Update the system to the release this Release Note deals with (button [System Update])
- After successful update (update complete) reboot again (button [Reboot]), confirm reboot on partition (System) 2.
- After reboot login again at URL [http:// 192.168.1.1](http://192.168.1.1)
- In WBM switch the BSIP1 from BSIP1-only to BSIP1-IWU (button [Switch Applic Mode])
- After reboot login at URL [http:// 192.168.2.1](http://192.168.2.1) (Attention: BSIP1 got a new IP-Address!)
- Now install further (max. 9) base stations via POE (BSIP1 with factory default IP-Address: 192.168.1.1)
- Start a synchronization process (button [Scan]) to visualize the new base stations in WBM
- Status: all BSIP1 got individual IP-Adresses
Now you can configure the necessary BSIP parameters
- Start a new synchronization process (button [Sync]) to provide the base stations with this parameters
- Status: all configured BSIP-Only are
 - running version V1 R1.0.1 V3.25.9
 - are using the same system partition 2
 - are in state Online
- Initiate the update via the [System Update] button and select the new loadware file (this Release Note deals with). The update also will be applied to the NON-ACTIVE Partition of all BSIPs.
- Attention: When rebooting the BSIP-IWU, ALL BSIP-Only (which are in state Online) will boot into the same partition -> This may lead to other versions and other IP's at the BISP-Only's if the versions are different between the BSIPs.

For more details see Service Manual.

2.2 Upgrade / Update

This chapter describes the update of existing HiPath Cordless IP installations (small Solution) running with a previous loadware version.

2.2.1 Update compatibility - HPCIP-BSIP

Supported updateable versions: **V1 R4.7.0 and higher**

Important hints:

- Configuration files created with the Backup functionality of a **HPCIP-Server** ("BSIP") version are **not compatible**.

2.2.2 Backup of configuration of old version

- Please create a backup of the old configuration (Page Registration - [Backup Config]).
- Ensure that you have a loadware file of the old version available (in case of a necessary downgrade).

2.2.3 Updating from V1R1 to V1R5

Direct update is not ensured. Please update to the latest Fix Release of V1R4 at first.

2.2.4 Updating from V1R2 to V1R5

Direct update is not ensured. Please update to the latest Fix Release of V1R4 at first.

2.2.5 Updating from V1R3 to V1R5

Direct update is not ensured. Please update to the latest Fix Release of V1R4 at first.

2.2.6 Updating from V1R4 to V1R5

Please update to the latest Fix Release of V1R4 at first at least V1R4.7.0
 Due to memory constraints, it is necessary to stop the system services before an update.
 Navigate inside the WBM to the System Tab and press the button "Stop System".
 Now start the Update.

2.2.7 Updating from V1R5 to V1R6

For existing installations the following update rule applies:

- Before updating to V1R6, the running installation has to be updated to V1-R5.4.0 or newer.

For new installations the following rule applies:

- Before updating to V1R6, the designated IWU (BSIP1 as BSIP-IWU) have to be updated to V1-R5.4.0 or newer. This is necessary since data structure in the SCAN information of BSIP1 have changed in V1R5. Otherwise, BSIP1 which are already running V1R5 may not be scannable.
- There is no need to update BSIP1, which are running as BSIP-Only.

Other hints

- Since there are enhancements in LDAP and System phonebook handling it is suggested to adapt the LDAP configuration file to get a meaningful display output like "mobile" or "home" for LDAP phone numbers. For details refer to the LDAP configuration section of HCIP.

2.2.8 Access the Login page

Connect to the IP address of the BSIP1.

Hint: Take attention at the different http method. <http://> or <https://>.

2.2.9 Log in to WBM

Enter username (Unify or UnifyAdmin) and the default password (1q21q2) at the login screen. Don't forget to change your password later.

2.3 Fallback

Boot from the last active partition.

A downgrade is not fully supported. In need of a downgrade, a factory reset is applied automatically.

2.4 Security Considerations

Use of security checklist is mandatory.

2.5 Special settings and instructions

2.5.1 Network Requirements

Note the following requirements to integrate your HiPath Cordless IP system into a customer network:

- Server (IWU) and BSIP have to be part of the same Ethernet segment, a layer-3 routing via an IP router is not supported
- Don't use devices using Network Address Translation (NAT)
- Minimum 2 priority classes acc. to IEEE 802.1 p/q in the IP Network possible

Otherwise you will get delays in your IP network, producing synchronization problems and bad speech quality.

2.5.2 Base Configuration OpenScape Office

1. Please configure the HiPath OpenOffice ME for the usage with SIP Users and configure the needed number of SIP Users in the Installation Assistant.
2. Configure the DSP Settings (primarily the Echo Cancellation) via "WBM - Expert mode - Explorer - Payload - HW Modules - Edit DSP Settings".

2.5.3 Base Configuration OpenScape Business

1. Please configure the OpenScape Business for the usage with SIP Users and configure the needed number of SIP Users in the Installation Assistant.
2. Configure the DSP Settings (primarily the Echo Cancellation) via "WBM - Expert mode - Explorer - Payload - HW Modules - Edit DSP Settings".

2.5.4 Base Configuration OpenScape 4000 (Softgate)

1. Please configure the HiPath 4000 Softgate for the usage with SIP Users (vHG3500) and configure the needed number of SIP Users in the Installation Assistant.

2. Configuration of DSP Settings (primarily the Echo Cancellation) is not possible. DSP does not exist.
3. For SIP-Users you have to set the parameter MBCHL (Multi BCHANNEL) in AMO-SDAT.
4. Default value of Session Timer should be decreased from default value 1800s in order to allow Cordless devices to call each other earlier than 1800s after Base station power off/on,

e.g.

Explorers ->Voice Gateway->SIP Parameters->SIP-> Session Timer

SIP Session Timer

Session Expires (sec): 300

2.5.5 Base Configuration OpenScape Voice

HiPath Cordless IP - endpoints have to be configured in the same way in OSCV-configuration as other SIP-users do. OSCV does not know anything about the DECT-base-station. All HiPath Cordless IP - users will register at OSCV with the same HiPath Cordless IP - address.

HiPath Cordless IP devices should be administered with "SRTP Disabled".

Usage with OpenScape Webclient:

If HiPath Cordless IP - users are used with OpenScape Webclient the HiPath Cordless IP - users feature-profile should be set to CSTA Type = Normal.

Only limited feature-set using Webclient is supported, see Restrictions.

3 Reported Problems / Symptoms under Analysis

GSI-flow Ticket	MR / CQ / JIRA key	Summary	Work-around
		failure in FPGA design block IEEE1588 time stamp unit	
		MGW-iwu restore in Server-iwu	
		SSH connection to slave BSIPs is not working	
		no display line by handset menü telefonie.....callforward number and empty entry	
		redundant, inoperable softkey "ok" inside "System-Info" and "Handset-Info" menu	
		preselected line in info menu / waste menu navigation in info menu	
		indistinct wording "Number1" in a phone book entry for the internal phone book	
		indistinct wording "Nummer1" in a phone book entry for a LDAP phone book	
		non identifiable separation between two call list entries at S5/SL5	
		alert message without content	
		incompletely callnumber in display for dial numbers bigger than 14 numbers via LDAP	
		useless implementation of HCIP-82	
		NA14366196 - In a IP DECT group with 10 handsets not all handsets are ringing when the group is called	
		new UI: no handset volume setting in connection status by SL5 prof.	

4 Restrictions, Workarounds and Hints

4.1 Restrictions

4.1.1 General Restrictions

- The following special characters are not allowed inside the configuration objects for WBM. “[“, “[”, “%”, ASC(0) - ASC(0x1F).
- Adding or removing of some configuration objects only supported if services are stopped
- Configuration and firmware files MUST NOT include spaces in their filenames

4.1.2 Restrictions according configuration pages

4.1.2.1 Page Status

Sometimes the Refresh Button has to be applied twice.

4.1.3 Restrictions at OpenScape Voice

- Limited UC-functionality when Cordless-IP-User is used as associated device. Controlling via Web-Client supports only Make Call and Clear Call (Connection).
- VAD (Voice Activity Detection) is currently not supported by HiPath Cordless IP. **Especially at HP3K-gateways VAD has to be disabled.**
- OSCV system based conference (Large conference) is not supported with HiPath Cordless-IP-User as conference master. Only local conference is possible.
- Large Conference: HiPath Cordless IP devices involved in a large conference do not display “Conference”.
- In case of geo-separated OSV you have to use UDP as SIP transport protocol. TCP does not work for incoming calls.
- **Behavior of HiPath Cordless IP in at OpenScape Branch-office:**

Survivability:

If OSCV or WAN is not available the OpenBranch-Proxy is working in **Limited-Mode**.

In addition to the known feature limitations there are some more restrictions with HiPath Cordless IP.

- Cordless-phone calls may get disconnected in transfer scenarios
 - if the cordless phone is the transferred party
 - cordless phone user hangs up during a consultation call while the consulted party is still ringing (transfer-ring).
- Cordless-phone does not support local music on hold. Also OSB currently does not provide music on hold in survivability. As a result the Cordless-Phone user will hear silence when being held.

4.1.4 Restrictions at OpenScape 4000

Configure TCP as Transport Protocoll in WBM configuration via Network / Gateway, SIP-Settings. Using UDP as Transport Protocoll requires to activate the option Direct Signaling via WBM.

- Limited functionality if Cordless-IP-User is used as 3rd party Call Control device. Controlling via application (e.g. Web-Client) supports only Make Call and Clear Call (Connection).

4.1.5 Restrictions at OpenScape Office

- Limited functionality if Cordless-IP-User is used as 3rd party Call Control device. Controlling via application (e.g. MyPortal) supports only Make Call and Clear Call (Connection).

4.1.6 Restrictions at OpenScape Business

- Limited functionality if Cordless-IP-User is used as 3rd party Call Control device. Controlling via application (e.g. UC Smart) supports only Make Call and Clear Call (Connection).

4.2 Workarounds / Hints

Attention:

For using the feature Synchronization via Ethernet (IEEE 1588) a Project Specific Release (PSR) will be needed!

4.3 System Limits

The following table summarizes the system limits which apply to HiPath Cordless IP Base Station.

Feature	Limit in HiPath Cordless IP Base Station
Max. no. of BSIP	10
Max. no. of parallel calls	10
Max. no. of registered handsets	50
Max. no. of configured handsets	100

5 Changes

5.1 New in this release

New features since Minor Release **V1 R6.0.0**:

- LDAP: Configuration option for mapping „+“ to an International Exit Code (IEC)
- Changed LDAP config file
- Support of SIP reason header field (RFC 3326)
- New SIP response code 480 for voice prompt “number is temporarily unavailable” instead of “number is unknown”
- Support of DECT Phones S5 and SL5 with new user interface
- Changed Call Control Limits for G729

List of features since Fix Release **V1 R5.3.0**:

- EULA
- Microsoft Internet Explorer V11

List of features since Fix Release **V1 R5.1.0**:

- Rebranding
- New username for WBM
- Microsoft Internet Explorer V10

List of features since Minor Release **V1 R5.0.0**:

- Modified WBM with respect to new deployment Large Solution
- Option to change Location Area Level (LAL)

List of features since Fix Release **V1 R4.6.0**:

- option to resolve hostnames to IP v4 addresses

List of features since Fix Release **V1 R4.4.0**:

- Support of RTP Packet sizes 10, 20 and 30ms
- Support of G.729a SDP
- Support of Assigned TPUI instead of Default TPUI

List of new features since Minor Release **V1 R4.0.0**:

- Message Waiting Indication (MWI)
- Calling Name Presentation
- Distinctive Ringing
- 3 Party Call Control (3PCC)
- Call Forwarding (CF)
 - Call Forward Unconditional (CFU)
 - Call Forward Busy (CFB)
 - Call Forward No Reply (CFNRy)
 - Call Forward Not Reachable (CFNRc)
- Call Completion (CC)
 - Call Completion to Busy Subscriber (CCBS)
 - Call Forward on No Reply (CCNR)
- Support of up to 300 Handsets (server solution only)
- LDAP phonebook
- M5T SIP stack
- Call Pickup Group (CPU)
- 2nd Line / Call Waiting (CW)
- System phonebook

- RTP packet Size negotiations
- Dynamic BSIP changes
- Download via WAN
- SIP over TCP

List of new features since Minor Release **V1 R3.0.0**:

- Support of outbound-proxy
- Support of DNS SRV
- Early Media (RTP connection in ringing state)
- SIP OPTION Message
- Penalty-Box

5.2 Implemented change requests

CR Number	MR / CQ / FRN	Summary

5.3 Resolved Reported Problems / Symptoms

GSI-flow Ticket	MR / CQ	Summary
		Online Help of HCIP contains three times hints to the user IkonAdmin
NA13342167		NA13342167 : module number 0 with faulty update scan
		menu enhancement for consultation function by S5 prof.
NA13537013		NA13537013 Table of Call Control Limits (G711/G729) is too high
NA13963123		NA13963123 / NA14069420 - Change of SIP reason messages for detached/not reachable handsets
		Chapter "5.18 System Phonebook" of the help is wrong
		the mapping from a leading "+" to "00" must be configurable
		no support for dial numbers bigger than 15 numbers via LDAP
		do not show LDAP entries with empty callnumbers
		futile warning concerning IP address conflict for internal phone book
		blurred field LDAP Server during try to change the LDAP server
		wrong warning W0224 concernig syslog configuration
		mismatch between SNMP documentation and deliverd MIB file
NA13888958		NA13888958 - Daylight saving does not work correct in Brazilia
		HCIP should support Polish language
		SOL_V8R1_HCIP V1 R5_FRN8330_Deletion of a row fails, because the Index column is not updated correctly.
		HCIP V1R6 package: UNIFY LE-Split ReNaming

GSI-flow Ticket	MR / CQ	Summary
		Sporadic coredump in iwu process in V1-R6.0.0
		no function at navi key in consultation menu by pressing up and down
		coredump after navi up and down and select in empty list
		Display text "Gespräch" is not translated to other languages
		wrong warning concerning edit a syslog server
		restarts/coredumps by MGW at "large solution"
		Wrong system version in "System-Info" menu
		different separator character in german menu "Telefonbuch"
		wrong, doubled display output to SL5 during LDAP search in MS Active Directory
		nonreadable, unnecessary special characters in new help file
		illegible, unacceptable quality of screen shots in new help
		system restart during navigate inside the call menu of a SL5
		coredump after navi up and down in directory list
		Hanging sub menu of the call list of a SL5 and system restart
		unclear description of feature "dynamic LDAP mapping"
		new UI: incorrect display in the consult menu german
		HCIP V1R6.0: Correct MIB.txt file
		failure in polish info menu

6 Hardware and software compatibility

6.1 Hardware revisions

6.1.1 Server

6.1.2 Base Stations

Product Name	Revision
Base Station IP V1 (BSIP1)	S30807-u5494-x
One-Port PoE Injector	S30122-X8009-X20

6.2 Firmware releases

6.3 Loadware releases

6.4 Software releases

Product	Software Version	Release Date ¹	G-DMS Note
Microsoft Internet Explorer	Version 11		

6.5 Operating systems (including security alerts)

OpenWRT distribution for BSIP	
Linux Kernel 2.6.21.1	

6.6 Compliant products (compatibility matrix)

Product Family	Product	Preferred Software Versions ¹		
		Version	Status	G-DMS Note
OpenScape Office				
	OpenScape Office MX / LX V3	R3.12.1	GA	
OpenScape Business	OpenScape Business V1	R2.2.1325	GA	
	OpenScape Business V2	R0.3.0_115	eeQS	
OpenScape 4000	OpenScape 4000 V7 (Softgate)	R2.15.0	GA	
OpenScape Voice	OpenScape Voice V8	R1.39.1	GA	
DECT Phones	Gigaset M2 professional		M4	
	Gigaset SL3 professional		M4	
	Gigaset S4 professional V1	R5.1.0	GA	
	OpenStage SL4 professional V1	R2.2.0	GA	
	OpenStage M3 OpenStage M3 Ex OpenStage M3 Plus OpenStage M3 Ex Plus	R1.7.0	GA	
	OpenScape DECT Phone S5	R0.2.0	GA	
OpenScape DECT Phone SL5	R0.2.0	GA		

Notes:

¹ We recommend customers use the “Preferred Software Version” for the given products. The preferred software versions offer higher levels of functionality..

7 Service information

7.1 Management information base

Product forwards SNMP traps according to a MIB:

7.2 License management

This product is certified for the following:

CLS: CSC: Other Licensing: If you are using others, please describe below:

CSC = Customer Site Components

8 Attachment

8.1 Overview of Small Solution

