



Release Notes

ePMP

System Release 4.4.1



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General Information

Version Information

The following table shows the issue status of this document since it was first released:

Issue	Date of issue	System Release
001v000	September 2019	System release 4.4.1

ePMP Release 4.4.1 Information

Introduction

This document provides information about the newly added features, additional enhancements, bug fixes, and known issues in system release 4.4.1.

Features Description

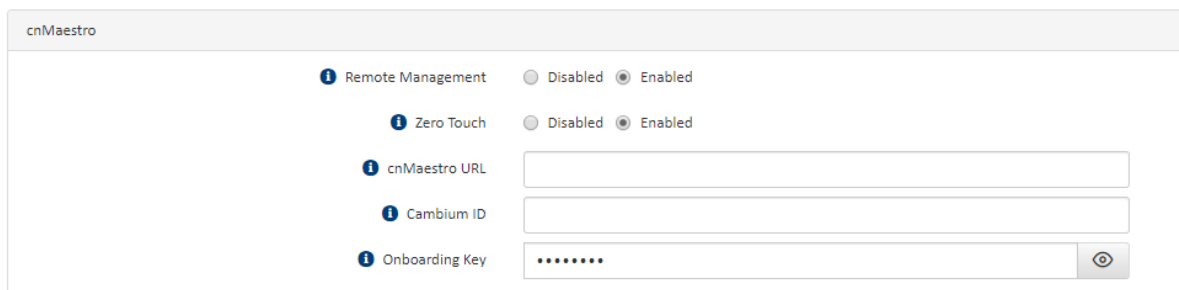
The features introduced in System Release 4.4.1 are as follows:

cnMaestro Zero-Touch

With Release 4.4.1 on ePMP, it has never been easier to get a subscriber module configured on your network. Using this feature, SMs can be automatically onboarded to cnMaestro Monitoring and Management System and then upgraded and configured through.

cnMaestro URL can be configured manually or obtained from DHCP Server both on APs and SMs. DHCP options 43, 15, 52, 17 can be used for cnMaestro URL configuration via DHCP. SMs can use URL configured on AP they are connected to as well. Otherwise APs and SMs automatically are trying to connect to default cnMaestro Cloud URL.

Zero-Touch feature is enabled by default and is available for configuration on AP.



The screenshot displays the cnMaestro configuration window. It features a title bar with the text 'cnMaestro'. Below the title bar, there are five configuration items, each with an information icon (i) to its left:

- Remote Management:** Includes radio buttons for 'Disabled' and 'Enabled'. The 'Enabled' option is selected.
- Zero Touch:** Includes radio buttons for 'Disabled' and 'Enabled'. The 'Enabled' option is selected.
- cnMaestro URL:** A text input field.
- Cambium ID:** A text input field.
- Onboarding Key:** A text input field containing seven dots, with a toggle icon (an eye) to its right.

Release 4.4.1 System Documentation

Provided with this release are several documents for your reference:

- User Guide (to be available at official release)
- Release Note (to be available at official release)

Problems and Limitations Corrected in 4.4.1

Table 2: System Release 4.4.1 problems and limitations corrected

Products Affected	Tracking	Description
	CAMBIUM-16494	SMs disconnects from AP with GPFs MISS reason when configuration has been changed on AP
	ACG-6698	Software Upgrade fails with "Error. Firmware Digital Signature check failed"
	ACG-6823	[E3K, E3KL] No GPS Firmware version displayed on UI after device upgrade
	ACG-6764	DNS requests are not being forwarded
	CAMBIUM-16576	E2K drops all SMs and SMs are not able to associate back to AP (COMMUNICATION LOST, INA RETRIES EXHAUSTED)
	CAMBIUM-16567	[cnMaestro] Not able to upgrade or downgrade ePMP Elevate devices from 4.3.2 or 4.3.2.1 to 4.4 as well as 4.4 to 4.3.2.1 or 4.3.2
	CAMBIUM-16496	[GUI] Unable to remove DNS configuration from device GUI
	ACG-6779	SNMP OID for cnMAESTRO password does not exist
	ACG-5118	[Elevate 2.4,XW] On GUI show error message during SW upgrade
	ACG-6569	CLONE - [Force300] SM can not to associate with AP after restart wifi driver [Lost AID, Lost INAR]
	ACG-6038	SMs are disconnected from AP with Reason: 48 (COMMUNICATION LOST) when traffic is transmitted
	ACG-5929	Add option to disable Auto-negotiation for SFP for PTP550 and E3K
	ACG-7013	Incorrect source IP in MNDP packets
	ACG-6877	[GUI] blank page after login to the device & switch the tab
	ACG-6839	[PTP550] Radio 2 Link Established Before Sync Achieved
	ACG-6735	SM is not able to associate back to AP after disconnect (COMMUNICATION LOST, INA RETRIES EXHAUSTED)
	ACG-6612	SMs are disconnected from AP with Reason: 32 (NO ALLOCATION ON AP) when UL traffic is transmitted
	ACG-5485	GUI pages randomly flapping
	ACG-5596	[e3K] Session disconnects during Preferred Period

Products Affected	Tracking	Description
	CAMBIUM-16564	[Elevate] Elevates radios upgrade issue through cnMaestro
	ACG-6879	DHCP Option60 incorrect value for separate management interface
	ACG-6884	Spectral daemon crashes
	CAMBIUM-16683	Automatic Channel Selection causes cyclic reboot
	CAMBIUM-16675	Watchdog doesn't reboot STA in case of ping check fail
	CAMBIUM-16668	SMs disconnects - (AP: COMMUNICATION LOST, SM: GPFs MISS or STA INITIATED DISCONNECT)
	CAMBIUM-16635	Huge amount of disconnects on ePMP1000 2.4GHz after update to 4.4
	CAMBIUM-16537	Should be reduced memory consumption for SW Upgrade on ePMP boards
	CAMBIUM-16501	[cnMaestro] Zero touch credentials are used by SMs even after AP is moved to different server and Zero Touch option is disabled
	CAMBIUM-16378	[MT Elevate] Call Trace: athr_find_phy+0xda0/0x2230 detected on SM after associated with AP
	ACG-7105	[e3k][BC] Multiple disconnects (GPFs MISS, NO ALLOCATION ON AP, INVALID SECURITY KEY)
	ACG-7064	[e3k] Target assert _tx_send_post_user_data_ppdu + 0x328
	ACG-7032	[SNMP] Undefined sysRebootCounter
	ACG-7015	[MU-MIMO] DL TPUT degradation for each SM under good RF conditions
	ACG-6972	[e3k] TARGET ASSERTED: tx_tdd_get_tx_cfg_ap + 0xD7
	ACG-6525	[e3K] All SMs disassociate from e3K followed by - WAL_DBGID_DEV_TX_TIMEOUT , WAL_DBGID_DEV_RESET

Known Problems or Limitations in Release 4.4.1

Known open issues in Release 4.4.1 are listed below:

Table 3: System Release 4.4.1 known problems

Products Affected	Tracking	Description
	ACG-6045	[QoS] Prioritization doesn't work for traffic ordering between two SMs
	ACG-5936	[F300] Configuration failed during switch to SM mode if use <3 dBm for Tx power in AP mode
	ACG-5949	Device name is 'None' if 'Try Config' button is used with settings where reboot is required
	ACG-6028	[F130] Reset via power sequence should be disabled by default and grayed out
	ACG-6115	[PTP550] ath2 interface doesn't start and it causes to fail of Spectrum Analyzer.
	ACG-6119	SMs disconnects from AP with GPFs MISS reason when the configuration has been changed on AP
	CAMBIUM-16347	[F130] F130 STA disassociates from AP after 10-15 sec under multicast flood
	ACG-6174	[FC] SMs are disconnected from AP with Reason: IEEE80211_REASON_AUTH_EXPIRE, BUT KEY IS VALID
	CAMBIUM-16374	PPPoE MTU size limits should depend from Ethernet MTU
	ACG-5965	IP Aliases are not added in the Router mode
	ACG-5239	[E3K] Subscriber Module Statistics table shows incorrect Downlink Power when more than 1 STA is connected

Specifications

Feedback

We appreciate feedback from the users of our documents. This includes feedback on the structure, content, accuracy, or completeness of our documents. To provide feedback, visit our support website.

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Sales enquiries	solutions@cambiumnetworks.com
Support enquiries	https://support.cambiumnetworks.com/
Repair enquiries	https://support.cambiumnetworks.com/
Telephone number list	https://www.cambiumnetworks.com/contact-us/
Address	Cambium Networks Limited, Unit B2, Linhay Business Park, Eastern Road Ashburton, United Kingdom, TQ13 7UP.