

PRAESENSA

Public Address and Voice Alarm System



Table of contents

1	Introduction	4
1.1	Document history	4
1.2	Release history	4
1.3	Scope	4
1.4	Installation and configuration information	4
2	Supported products	5
2.1	Release 1.00	5
3	Compliance to voice alarm standards	6
3.1	Release 1.00	6
4	Notices	7
4.1	Documentation and software download	7
4.2	Load measurement	7
4.3	Audio equalizer	7
4.4	Minimum message length	7
5	Missing functions	8
5.1	Audio delay	8
5.2	Language support	8
6	Known limitations	9
6.1	Dante connections	9
6.2	Dante multicast	9
6.3	Scheduled calls	9
6.4	Load measurement	9
6.5	Firmware upgrade	9
6.6	Call station reset to factory default	9
6.7	Enable Network Time Protocol (NTP)	9

1 Introduction

1.1 Document history

Release date	Documentation version	Reason
2019.12.19	V1.00	1 st edition

1.2 Release history

Release date	Released version	Reason
2019.12.06	1.00	1 st official release

1.3 Scope

The release notes give an overview of new functionality compared to the previous release. It reports known limitations and possible workarounds.

1.4 Installation and configuration information

PRAESENSA products are delivered with a quick installation guide (QIG) for basic step-by-step installation instructions. Detailed installation and configuration instructions are provided in the installation manual and configuration manual of PRAESENSA. Both manuals can be downloaded in different languages from www.boschsecurity.com in the PRAESENSA product section.

When a PRAESENSA system is installed for voice alarm purposes, take notice of the installation and configuration directions in the checklist for compliance to the EN 54-16 and EN 54-4 standards. The checklist can be found at the end of the installation manual.

2 Supported products

2.1 Release 1.00

The following PRAESENSA products can be installed and configured:

PRA-SCL	System controller, large
PRA-AD608	Amplifier, 600 W 8-channel
PRA-EOL	End-of-line device
PRA-MPS3	Multifunction power supply, large
PRA-CSLD	Desktop LCD call station
PRA-CSLW	Wallmount LCD call station
PRA-CSE	Call station extension
PRA-ES8P2S	Ethernet switch, 8xPoE, 2xSFP
PRA-SFPSX	Fiber transceiver, multimode
PRA-SFPLX	Fiber transceiver, single mode

The following products can be used without need for configuration:

PRA-PSM24	Power supply module 24 V
PRA-PSM48	Power supply module 48 V

The following products are already described in the installation manual and/or the configuration manual, but are not yet available:

PRA-SCM	System controller, medium
PRA-SCS	System controller, small
PRA-AD604	Amplifier, 600 W 4-channel

3 Compliance to voice alarm standards

3.1 Release 1.00

This software release in combination with the following products is certified for compliance to EN 54-16 and EN 54-4. See 0560-CPR-182190000 and Declaration of Performance GO002945v1.

PRA-SCL	System controller, large
PRA-AD608	Amplifier, 600 W 8-channel
PRA-EOL	End-of-line device
PRA-MPS3	Multifunction power supply, large
PRA-CSLD	Desktop LCD call station
PRA-CSLW	Wallmount LCD call station
PRA-CSE	Call station extension
PRA-ES8P2S	Ethernet switch, 8xPoE, 2xSFP
PRA-SFPSX	Fiber transceiver, multimode
PRA-SFPLX	Fiber transceiver, single mode

4 Notices

System characteristics that are normal, or even intended, but possibly not expected.

4.1 Documentation and software download

PRAESENSA product documentation and software is temporarily not available from www.boschsecurity.com > PRAESENSA product section. Until further notice, please visit instead <https://licensing.boschsecurity.com/publicaddress>.

4.2 Load measurement

The amplifier loudspeaker load measurement is part of the configuration (Diagnose > Amplifier loads). It is an essential step in the system configuration to do a load measurement to check whether the amplifier channels and the amplifier are not overloaded. Without this check, the amplifier channel volume is automatically set to -12 dB to protect the amplifier from unexpected overload conditions in case of an alarm situation.

4.3 Audio equalizer

The DSP audio equalizers have an internal headroom of 18 dB. Do not use audio equalizer settings with an accumulated gain of more than 18 dB at any frequency, as this will cause audio clipping for full scale input signals. It is good practice to do most of the frequency response corrections by attenuation of prominent frequency bands.

4.4 Minimum message length

The minimum message length for repeating messages is 500 ms.

5 **Missing functions**

System functions that are mentioned in the documentation, but have been postponed.

5.1 **Audio delay**

The channel delay configuration of the PRA-AD608 amplifier has not yet been implemented in this release.

5.2 **Language support**

The configuration webpages are only available in English and German. Other languages will be added later.

6 Known limitations

System functions that are implemented but with limitations. In some cases workarounds are given.

6.1 Dante connections

Some Dante devices do not automatically re-establish their connection with the system controller after a reboot of the system controller. Re-establish the connection via Dante controller or use a Dante device that supports automatic reconnection.

6.2 Dante multicast

Only use Dante unicast streams between a Dante device and the system controller to prevent multicast addressing conflicts, that can result in audio distortion or not being able to setup a call.

6.3 Scheduled calls

If a scheduled call is activated by a button of a call station extension, the scheduled time intervals are ignored and the call starts immediately. Scheduled calls can only be started from a control input.

6.4 Load measurement

When a load measurement on an amplifier channel is done with a shorted loudspeaker line, the web page will indicate: "Not measured". Remove the short circuit and redo the load measurement.

6.5 Firmware upgrade

Before using the firmware upgrade tool, make sure the released PRAESENSA firmware files have been installed also.

In some rare cases the upgrade of a device will not be successful in the first attempt. If this occurs please retry for the device for which it failed.

6.6 Call station reset to factory default

A new Call station (PRA-CSLD or PRA-CSLW) out of factory first needs a firmware update before it can be reset to the factory default settings.

6.7 Enable Network Time Protocol (NTP)

NTP is configured on the "Time settings" page. Enable "Set time automatically (NTP)" and press submit. Wait for the reboot system page; this will take a few seconds. Press "System reboot" to activate NTP. If you navigate away to another configuration page too early and don't wait for the reboot system page, a non-responsive web page will show "Loading" and NTP will remain disabled.



Bosch Security Systems B.V.

Torenallee 49
5617 BA Eindhoven
Netherlands

www.boschsecurity.com

© Bosch Security Systems B.V., 2019