



**BOSCH**

# **PAVIRO**

IRIS-Net firmware for EN 54 and ISO 7240 devices

**en**

Software manual



---

## Table of contents

|          |   |          |
|----------|---|----------|
| <b>1</b> | <b>About this document</b>                                  | <b>4</b> |
| 1.1      | Document history  | 4        |
| <b>2</b> | <b>EN 54 and ISO 7240 devices supported by IRIS-Net 4.0</b> | <b>5</b> |
| <b>3</b> | <b>History</b>  | <b>6</b> |
| 3.1      | IRIS-Net V3.2.3   | 6        |
| 3.2      | IRIS-Net V3.2.1 and V3.2.2                                  | 7        |
| 3.3      | IRIS-Net V3.2.0   | 8        |
| 3.4      | IRIS-Net V3.1.4   | 9        |
| 3.5      | IRIS-Net V3.1.0.1   | 10       |
| 3.6      | IRIS-Net V3.0.1   | 11       |

# 1 About this document

This document lists the PAVIRO Voice Alarm System devices that IRIS-Net supports. It shows the relationship between IRIS-Net and the corresponding firmware versions that can be used for EN 54 and ISO 7240 compliant voice evacuation systems. IRIS-Net versions which are not listed cannot be used for:

- Voice alarm purposes, including EN 54 and ISO 7240
- Other voice evacuation applications.

We recommend that you use the most recent firmware and configuration software versions when setting up a new evacuation system. These versions include the latest bug fixes and optimizations. Previous firmware versions will only be updated if critical firmware issues have to be corrected.

## 1.1 Document history

| Release date | Documentation version | Reason                             |
|--------------|-----------------------|------------------------------------|
| 2018-02      | V1.0                  | 1 <sup>st</sup> edition            |
| 2018-08      | V1.1                  | New firmware version for PVA-4CR12 |
| 2019-04      | V1.2                  | ISO 7240 and new firmware versions |
| 2019-10      | V1.3                  | Added V1.6.168 for the OM-1        |

## 2 EN 54 and ISO 7240 devices supported by IRIS-Net 4.0

This section lists:

- IRIS-Net related firmware for PAVIRO that is delivered with IRIS-Net V4.0.0, and
- the changes compared to previous versions.

The certified devices and supported firmware are listed in the below mentioned documents:

- Declaration of Performance EN 54-16 EN 54-4 PAVIRO V15
- ISO 7240 certificate

### IRIS-Net supported devices/modules

- PVA-4CR12
- PVA-4R24
- PVA-2P500
- PVA-15CST
- PVA-15ECS
- OM-1

### Devices with firmware

| Product                  | Firmware version      | Comments              |
|--------------------------|-----------------------|-----------------------|
| PVA-4CR12                | V1.20.0               | - Support of HW 02/00 |
| PVA-4R24                 | V1.6.10               | - Support of HW 02/00 |
| PVA-2P500                | V1.1.0                |                       |
| PVA-15CST /<br>PVA-15ECS | V2.4.0                |                       |
| OM-1                     | V1.15.118<br>V1.6.168 |                       |

### Note

IRIS-Net V4.0.0 is a full package that can be downloaded from the BOSCH website.

For EN 54 system: use EN 54 checklist V2.3.

For ISO 7240 system: use EN 54 checklist V2.3 and the ISO 7240 checklist V1.2.

## 3 History

### 3.1 IRIS-Net V3.2.3

This section lists:

- all new IRIS-Net related firmware for PAVIRO that is delivered with IRIS-Net V3.2.3, and
- the changes compared to previous versions.

The certified devices and supported firmware are listed in the below mentioned documents:

- DECL DoP EN54-16 EN54-4 PAVIRO V12

#### IRIS-Net supported devices/modules

No additional devices added.

#### Devices with firmware

| Product                  | Firmware version | Comments  |
|--------------------------|------------------|---|
| PVA-4CR12                | V1.19.3          | – Bug fix where spare amplifiers are not correctly routed in networked systems. |
| PVA-4R24                 | V1.5.0           |   |
| PVA-2P500                | V1.1.0           |   |
| PVA-15CST /<br>PVA-15ECS | V2.3.0           |   |
| OM-1                     | V1.15.118        |   |

#### Note

IRIS-Net V3.2.3 is a patch update that requires IRIS-Net V3.2.0 to be installed up front.

## 3.2 IRIS-Net V3.2.1 and V3.2.2

This section lists:

- all new IRIS-Net related firmware for PAVIRO that is delivered with IRIS-Net V3.2.1 and V3.2.2, and
- the changes compared to previous versions.

The certified devices and supported options are listed in the corresponding DoP:

- DECL DoP EN54-16 EN54-4 PAVIRO V11

### IRIS-Net supported devices/modules

No additional devices added.

### Devices with firmware

| Product                  | Firmware version | Comments  |
|--------------------------|------------------|---|
| PVA-4CR12                | V1.19.1          | <ul style="list-style-type: none"> <li>– Bug fix where a gain change in the configuration software could lead to a watchdog reset.</li> <li>– Bug fix where EOL (End Of Line) stays deactivated when an EOL module gets lost during a running EVAC signal.</li> </ul> |
| PVA-4R24                 | V1.5.0           |   |
| PVA-2P500                | V1.1.0           |   |
| PVA-15CST /<br>PVA-15ECS | V2.3.0           |   |
| OM-1                     | V1.15.118        |   |

### Note

IRIS-Net V3.2.2 and V3.2.1 are identical for PAVIRO.

IRIS-Net V3.2.1 and V3.2.2 are patch updates which require IRIS-Net V3.2.0 to be installed up front.

### 3.3 IRIS-Net V3.2.0

This section lists:

- all new IRIS-Net related firmware for PAVIRO that is delivered with IRIS-Net V3.2.0, and
- the changes compared to previous versions.

The certified devices and supported options are listed in the corresponding DoP:

- DECL DoP EN54-16 EN54-4 PAVIRO V10

#### IRIS-Net supported devices/modules

- OM-1
- PVA-15ECS

#### Devices with firmware

| Product                  | Firmware version | Comments  |
|--------------------------|------------------|---|
| PVA-4CR12                | V1.19.0          | <ul style="list-style-type: none"> <li>– TCP/IP Network support added for up to 4 controllers.</li> <li>– OM-1 module support for IP audio transport.</li> <li>– PAVIRO can be networked by up to 4 controllers.</li> <li>– Improved password protection.</li> <li>– Smart safety link configurable from wizard.</li> </ul> |
| PVA-4R24                 | V1.5.0           | <ul style="list-style-type: none"> <li>– Functions added with respect to network functionality.</li> </ul>  |
| PVA-15CST /<br>PVA-15ECS | V2.3.0           | <ul style="list-style-type: none"> <li>– One touch LED test added.</li> <li>– Talk over Alarm added.</li> </ul>   |
| OM-1                     | V1.15.118        |   |

#### Note

IRIS-Net V3.2.0 is a full package that can be downloaded from the BOSCH website.



## 3.4 IRIS-Net V3.1.4

This section lists:

- all new IRIS-Net related firmware for PAVIRO that is delivered with IRIS-Net V3.1.4, and
- the changes compared to previous versions.

The certified devices and supported options are listed in the corresponding DoP:

- DECL DoP EN54-16 EN54-4 PAVIRO V9

### IRIS-Net supported devices/modules

No additional devices added.

### Devices with firmware

| Product   | Firmware version | Comments  |
|-----------|------------------|---|
| PVA-4CR12 | V1.17.4          | <ul style="list-style-type: none"> <li>- Non EN 54-16 features added.</li> <li>- Fixes a critical bug solved for FW versions 1.17.11, 1.17.2, and 1.17.3.</li> <li>- Bug fix that limited the number of EOL (End Of Line) to 254.</li> <li>- Busy condition block bug fixed.</li> <li>- Low bandwidth connection improved.</li> </ul> |
| PVA-4R24  | V1.4.4           | <ul style="list-style-type: none"> <li>- Bug fixing with respect to temperature control.</li> </ul>   |
| PVA-15CST | V2.2.7           | <ul style="list-style-type: none"> <li>- Supervision bug fixed.</li> </ul>  |

### Note

IRIS-Net V3.1.4 is a patch update which requires IRIS-Net V3.1.0.1 to be installed up front. IRIS-Net versions 3.1.0 to 3.1.3 are withdrawn and shall not be used anymore.

## 3.5 IRIS-Net V3.1.0.1

This section lists:

- all new IRIS-Net related firmware for PAVIRO that is delivered with IRIS-Net V3.1.0.1, and
- the changes compared to previous versions.

The certified devices and supported options are listed in the corresponding DoP:

- DECL DoP EN54-16 EN54-4 PAVIRO V9

### IRIS-Net supported devices/modules

No additional devices added.

### Devices with firmware

| Product   | Firmware version | Comments   |
|-----------|------------------|--|
| PVA-4CR12 | V1.17.02         | <ul style="list-style-type: none"> <li>– Bug fixes and critical bug solved.</li> <li>– PAVIRO wizard bug update.</li> <li>– Separate Stop signal for messages / alarms option added in wizard.</li> <li>– Voice Evacuation recording.</li> <li>– Busy Condition block added to Task Engine.</li> </ul> |
| PVA-4R24  | V1.4.0           | <ul style="list-style-type: none"> <li>– Bug fixing.</li> </ul>  |
| PVA-15CST | V2.2.0           | <ul style="list-style-type: none"> <li>– Audio monitoring added.</li> <li>– Languages added: French, Spanish, Italian, Portuguese, Polish, Finnish, Russian, Turkish, Czech, Korean and Chinese.</li> <li>– PTT talk priority change programmable for EVAC purposes.</li> </ul>                        |

### Note

IRIS-Net V3.1.0.1 is a full package that can be downloaded from the BOSCH website.

IRIS-Net versions 3.1.0 to 3.1.3 are withdrawn and shall not be used anymore.

## 3.6 IRIS-Net V3.0.1

This section lists:

- all new IRIS-Net related firmware for PAVIRO that is delivered with IRIS-Net V3.0.1, and
- the changes compared to previous versions.

The certified devices and supported options are listed in the corresponding DoP:

- DECL DoP EN54-16 EN54-4 PAVIRO V5

### IRIS-Net supported devices/modules

- PVA-4CR12
- PVA-4R24
- PVA-2P500
- PVA-15CST

### Devices with firmware

| Product   | Firmware version | Comments |
|-----------|------------------|----------|
| PVA-4CR12 | V1.16.2          |          |
| PVA-4R24  | V1.3.0           |          |
| PVA-2P500 | V1.1.0           |          |
| PVA-15CST | V2.1.2           |          |

### Note

IRIS-Net V3.0.1 is a patch update which requires IRIS-Net V3.0.0 to be installed up front.







**Bosch Security Systems B.V.**

Torenallee 49  
5617 BA Eindhoven  
Netherlands

**[www.boschsecurity.com](http://www.boschsecurity.com)**

© Bosch Security Systems B.V., 2019