

## easyE RTD Firmware up to V1.1.0.0



Brands and products are trademarks or registered trademarks of their owners.

### **Service**

For service and support, please contact your local sales organisation.

Contact details: [Eaton.com/contacts](https://www.eaton.com/contacts)

Service page: [Eaton.com/aftersales](https://www.eaton.com/aftersales)

### **Original Release Notes**

is this document.

### **Translation of the original Release Notes**

All editions of this document other than those in English language are translations of the original Release Notes.

2nd edition 2022, publication date 02/2022

Copyright

© 2021 by Eaton Industries GmbH, 53115 Bonn

All rights reserved, also for the translation.

No part of this manual may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, micro-filming, recording or otherwise, without the prior written permission of Eaton Industries GmbH, Bonn.

Subject to alteration.

# Contents

<b>1</b>	<b>easyE RTD Firmware V1.1.0.0</b> .....	<b>2</b>
1.1	Supported devices .....	2
1.2	Updating the firmware .....	3
1.3	Legal disclaimer .....	5
1.4	New features in easyE RTD Firmware V1.1.0.0 .....	6
1.4.1	Support for indication of easyE4's background lighting colours .....	6
1.4.2	Log page enhancements.....	6
1.4.3	Performance enhancement.....	6
1.4.4	DHCP improvement.....	6
1.4.5	User wizard.....	6
1.4.6	Configuration export and import.....	6
1.4.7	Update file selection.....	7
1.5	Important changes in easyE RTD Firmware V1.1.0.0.....	8
1.5.1	Auto IP support .....	8
<b>2</b>	<b>Release notes of previous firmware versions</b> .....	<b>9</b>
2.1	V1.0.1.1 .....	9

# 1 easyE RTD Firmware V1.1.0.0

## 1.1 Supported devices

These release notes refer to the firmware update V1.1.0.0 for the following devices of the easyE4 product range:

- EASY-RTD-DC-43-03B1-00



This firmware update offers several new features and bugfixes. We recommend to all users of easyE RTD devices with firmware version V1.0.1.1 to migrate to the new version.

## 1.2 Updating the firmware

Update the firmware with a USB-Stick.

Updates for the easyE RTD are made available by Eaton Industries GmbH, Bonn in the Download Center - Software under Firmware Updates as \*.zip files.

[http://www.eaton.eu/software/OS Updates/easy](http://www.eaton.eu/software/OS_Updates/easy)

In addition to the `easyrtd-update-xxxxxxx-xxxxxxx.raucb` file, which contains the firmware update, the bootloader update files "`easyrtd-bl-update-eaton-easy-rtd.raucb`" and "`easyrtd-bl-update-ES-eaton-easy-rtd.raucb`" are also available.

Observe the documents belonging to the update in the download center.

### Check the integrity of the firmware update ZIP file

The integrity of the firmware update ZIP file can be checked using a separate hash file which can be found on the Download Center in the column "`txt`".

For instance the respective hash file for V1.1.0.0 of the base unit firmware is named „`easyERTD_V1_1_0_0_ZIP_sha256_hash.txt`“. This file contains the original hash for the ZIP-file. To calculate the hash value of the ZIP-file on your system you can utilize a standard tool to calculate SHA256 hashes. On a Windows 10 system the tool „`certutil.exe`“ can be used:

```
certutil.exe -hashfile <ZIP-file> SHA256 > my_hash.txt
```

or for the V1.1.0.0 firmware update:

```
certutil.exe -hashfile easyERTD_UPDATE_V1100.zip SHA256 > my_hash.txt
```

The file `my_hash.txt` now contains the hash value of the ZIP file on your system. This value can be compared to the hash file from the Eaton Download Center, e.g. `easyERTD_V1100_ZIP_sha256_hash.txt`. The ZIP file on your system is identical to the ZIP file from the Eaton Download Center if the two hash values are identical.

### Perform the firmware update

To perform the firmware update please follow these steps:

1. Unpack the `easyERTD_UPDATE_V1100.zip` file.
2. Place the file `easyrtd-bl-update-eaton-easy-rtd.raucb` in the root directory of a USB-Stick.
3. Attach the USB-Stick to your easyE RTD.
4. Log in as Admin, go to the update page and perform the update.
5. Remove `easyrtd-bl-update-eaton-easy-rtd.raucb` from the USB-Stick.
6. Copy the file `easyrtd-update-v3.1.0.3-v1.1.0.0.raucb` to the root directory of the USB-Stick.
7. Log in as Admin, go to the update page and perform the update.
8. If you have forgotten to install the bootloader first, you can install it using the file `easyrtd-bl-update-ES-eaton-easy-rtd.raucb`

## 1 easyE RTD Firmware V1.1.0.0

Important notice: Installing the bootloader is mandatory to be able to use all new features and bugfixes!

### **1.3 Legal disclaimer**

All the information in this release notes has been prepared to the best of our knowledge and in accordance with the state of the art. However, this does not exclude the possibility of there being errors or inaccuracies. We assume no liability for the correctness and completeness of this information. In particular, this information does not guarantee any particular properties.

It is assumed that the user of this manual is thoroughly familiar with the information found in the manuals for incorporating the control relay into automation processes. Hazards posed by the control relay cannot be ruled out if the safety instructions are not observed – especially if the control relay is installed and commissioned by inadequately qualified personnel or if it is used improperly. Eaton assumes no liability for any damages resulting from cases such as these.

## 1 easyE RTD Firmware V1.1.0.0

### 1.4 New features in easyE RTD Firmware V1.1.0.0

This new firmware version offers new features which are listed here.

The easyE4 V1.31 firmware update supports the new firmware update v1.1.0.0 of the easy Remote Touch Display. If you want to use the full feature set of this firmware update of easyE RTD, please update easyE4 to V1.31.

#### 1.4.1 Support for indication of easyE4's background lighting colours

The easyE4 LED background lighting can now be indicated on easyE RTD using the new monochrome mode.

The support of sending to information of the LCD backlight color of the easyE4 was added in easyE4 FW version V1.31.

#### 1.4.2 Log page enhancements

On the log page an unmount button for external storage devices has been added for safe removal.

Additionally, on export, for each different log file it shown, if the copy was successful.

When easyE RTD successfully connects to an easyE4, it gets date and time information from that easyE4. This information is used for timestamps in easyE RTD's log files.

#### 1.4.3 Performance enhancement

Performance has been increased using multiprocessing for tasks like connect/disconnect. This prevents screen freezes and also speeds up the connection process.

#### 1.4.4 DHCP improvement

DHCP can now be used to automatically retrieve an IP address even when a DHCP server comes into the network later than easyE RTD.

#### 1.4.5 User wizard

On the first commissioning or after factory reset of the easyE RTD, a wizard guides the user through the configuration of the easyE RTD.

#### 1.4.6 Configuration export and import

It is now possible to export the configuration of the easyE RTD to an external USB-Stick

Configuration files can be imported using the new configuration wizard, so that the user does not need to complete the wizard and can just copy the configuration which was set up on another easyE RTD.



### **1.4.7 Update file selection**

In the update dialog the firmware update file can now be selected from the USB-Stick.

## 1 easyE RTD Firmware V1.1.0.0

### 1.5 Important changes in easyE RTD Firmware V1.1.0.0

This firmware version features the following important changes and improvements compared to the previous version V1.0.1.1.

#### 1.5.1 Auto IP support

Sometimes after factory reset or firmware update easyE RTD was in DHCP mode instead of Auto IP. This is now fixed.

In addition to this list the new version includes several minor improvements.

## 2 Release notes of previous firmware versions

### 2.1 V1.0.1.1

This firmware version is the first one to be released to the customer. For a detailed description refer to the easyE RTD manual.

Eaton is dedicated to ensuring that reliable, efficient and safe power supply is available when it is needed most. With vast of energy management across different industries, experts at Eaton deliver customized, integrated solutions to solve our customer' most critical challenges.

Our focus is on delivering the right solution for the Application. But decision makers demand more than just Innovative products. They turn to Eaton for an unwavering Commitment to personal support that makes customer Success a top priority.

For more information, visit [Eaton.com](https://www.eaton.com)

**Eaton addresses worldwide:**

**[Eaton.com/contacts](https://www.eaton.com/contacts)**

Eaton Industries GmbH  
Hein-Moeller-Str. 7- 11  
D-53115 Bonn

© 2021 Eaton Corporation  
All rights reserved.  
02/2022 MZ048003EN



*Powering Business Worldwide*