UV66-ECO-4/7/10-RES-W

2555660000, 2555780000, 2555790000

Firmware Update Guide

Instructions for the firmware update of the u-view series ECO

Weidmüller

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Revision history

Version	Date	Change log
01	12.01.2021	First version
01.00	15.01.2021	First release
01.01	30.03.2021	Minor changes
01.02	12.04.2021	Clarifications about the update procedure

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Content

1. Warning and disclaimer

Warning
Please follow the instructions in this document and do not restart the device during the procedure, restarting the device will corrupt the image and will make the device unusable.

System requirements
The updates requires a PC with Windows 10. Older operating Systems are not supported.

Security notes
In order to protect equipment, systems, machines and networks against cyber threats, it is necessary to implement (and maintain) a complete state-of-the-art industrial security concept. The customer is responsible for preventing unauthorized access to his equipment, systems, machines and networks. Systems, machines and components should only be connected to the corporate network or the Internet if necessary and appropriate safeguards (such as firewalls and network segmentation) have been taken.

2. Abstract

These instructions and the corresponding files will allow you to update devices of the u-view ECO series shown in the table below to the newest firmware.

Material Number	Product name
2555660000	UV66-ECO-4-RES-W
2555780000	UV66-ECO-7-RES-W
2555790000	UV66-ECO-10-RES-W

The update is done via the firmware update tool called "Weidmueller test utility". The firmware update performs the remote reset to the factory settings including a password reset, a recalibration of the touch screen and a reset to the default status of all configurable parameters, including network configurations.

For latest information in regards to u-view product series visit our service area on our homepage Weidmüller - Home (weidmueller.com) or the related section in the product catalogue.

3. Preparations

The device is updated via a small easy to use software tool which contains the files required for the firmware update to the desired version and supports the update of the u-view ECO series devices either via a micro-USB 2.0 or ethernet connection similar to other u-mation devices.

Advantage of the update via micro-USB 2.0 connection is that the device does not need to have a configured IP address and can be updated right out of the box or after a firmware reset.
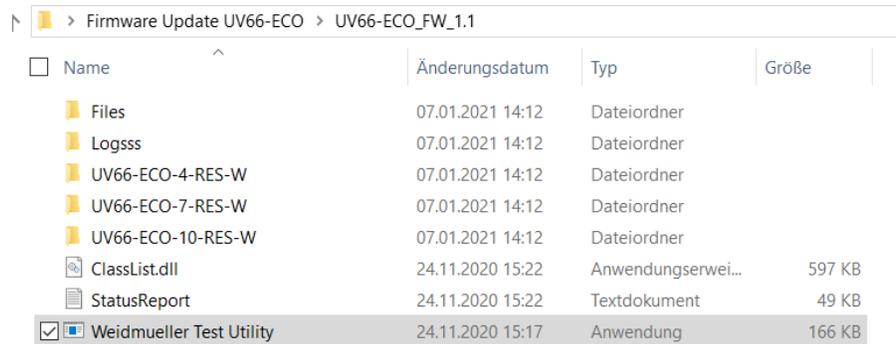
Warning:
As the update resets the device back to factory settings, we highly advice to document all available information about how the device is set up in your application, this includes, but is not limited to:
- Network, gateway and DNS settings
- URL settings
- Time settings
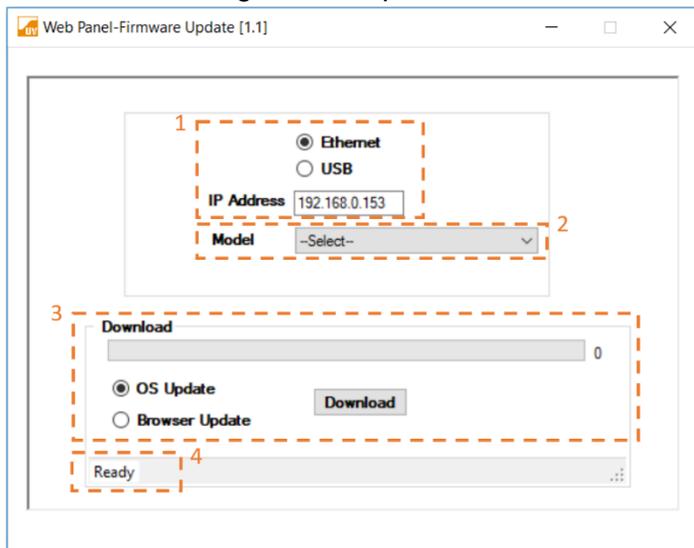- set passwords
- other settings

4. Update procedure

4.1   Download and unzip the latest or desired firmware version from the homepage or the online catalogue. The firmware files will be available on the corresponding u-view support page or directly in the download section of the online catalogue.

4.2   Open the "Weidmueller Test Utility" from the unzipped directory as shown below. Directory names and descriptions may vary depending on the version used.

Picture 1 – Folder structure of the firmware update tool

4.3   The following window opens:

1. Choose between Ethernet or micro USB 2.0 connection for the update procedure. If you want to use the Ethernet connection, input the IP-Adress of the device in the box.
2. Choose the correct model of the u-view series you want to update. When a wrong model is selected, the update will not start.
3. Choose between either OS-Updates or browser updates, the progress of the different update steps are visualized in the bar. To start the update press the download button.
4. This box gives information about the status of the update tool.

Picture 2 – Explanation of the Interface of the firmware update tool

4.4   Follow the steps described in the picture. Make sure that the physical connection to the device is working properly and if you use the ethernet connection for the update, ensure that the network is configured correctly.

- If the device is not connected properly the update will not start after pressing "Download" and the information box will show "communication timeout" for

the ethernet connection or "device not connected" when using the Micro USB 2.0 connection.

- If you are sure, that the connection to the device is setup correctly, but the device is still not recognized by the update tool, please restart the device.

4.5 If connection type, the model and the update type (**Firmware 1.2 is classified as an OS Update**) are set up in the desired way, click the "Download" button to connect to the device and start the update procedure. The procedure needs about 10 minutes, performs an intermediate restart but requires <u>no interaction</u> with the device until the second reboot.

4.6 If the device already has the firmware or browser version installed you want to update to, an info message will pop up. You can continue the download anyway, which allows the remote reset to the factory settings of the device, e.g. in case of a miss calibrated touch screen.

4.7 **Do not disconnect the device from your pc or from the power supply**. Else the update will fail, and the device firmware can stay corrupted.

4.8 During the update the required files are transferred to the device in the beginning and then installed automatically. The device informs you about the ongoing update with a black screen with the label "Updating…" in the center and the information "Please do not turn off the device …" "Update in progress …" in the bottom left of the screen.

4.9 The device will restart once and boot up to the touchscreen calibration interface. The reboot is necessary, and the update will continue automatically showing the same screen as before. No interaction with the device is required at this stage

4.10 After about 2 minutes the device is rebooted a second time and you are asked to recalibrate the touchscreen. To do so simply follow the instructions shown on the screen. If you miss the timing of the device, the screen turns black, then simply restart the device by disconnecting the power supply shortly.

4.11 After the successful calibration of the touchscreen the screen turns black. The update is finished and after you restart the device again, you are directed to the password change screen. The default password is "Detmold".