Room Controller Touch 3.0 Release Notes

Contents

Software update

The Room Controller Touch software 3.0 is included in MRF release 2.73 or higher.

The software update process for the Room Controller Touch is described in the MRF 2.56 or higher.

Important! Remove the batteries or disconnect the external power supply from the Room Controller Touch before connecting the device to your PC/Laptop.

General

In order to easily support the growing capabilities of the xComfort wireless system, two application-software versions are the introduction with the 3.0 release. Which version should be installed depends on the configuration in which the Room Controller Touch is used.

Application software versions

Universal (U) <factory default>

The Universal version supports both the common **Temperature**-based and the new **Effect regulation**-based (explained later in this document)
g control. It works with:
- xComfort Bridge (CBCA)
- xComfort Heating actuators (CHAP, CHAP)
- xComfort Multi Channel Heating actuator (CHAZ-01/12)
- for ventilation only (not heating) xComfort Switching and Dimming actuator (CSAU, CSAP, CDAU, CDAP)

Important! The Universal application software version is required if the Room Controller is:
- connected with the xComfort Bridge (CBCA) or
- used in Effect regulation (on time percentage-based heating control) mode connected with the xComfort Heating Actuators (CHAU-01/xx, CHAP-01/xx).

Legacy (L)

The Legacy version supports the common **Temperature**-based **climate** (heating and cooling) control and works with:
- xComfort Smart Home Controller (CHCA)
- xComfort Switching actuators and Dimming actuators (CSAU, CSAP, CDAU, CDAP)
- xComfort Heating actuators (CHAU, CHAP)
- xComfort Multi Channel Heating actuator (CHAZ-01/12)
- xComfort Room Manager (CRMA)

Important! The Legacy application software version is required if the Room Controller is:
- connected with the xComfort Smart Home Controller (CHCA) or
- used for climate control (heating and cooling) in combination with xComfort Switching or Dimming actuators (CSAU, CSAP, CDAU, CDAP) or
- used with the Room Manager (CRMA)

Which software is installed?

During power up the Room Controller Touch will short display the installed software version as follow:

The software version in this example is 1.23.U. The first 3 digits are the release version and the last digit, after the dot (.), indicates one of the above described application versions. Where U=Universal and L=Legacy
The Room Controller Touch can be updated with the required application version either using the 'RCT_Update_Tool' or the 'MRF'. The 'RCT_change_software' document describes the steps how to install the new version.

What is new? - Legacy release 3.0
The Legacy release 3.0.L is functional identical to the 2.0 release and there is no need to update the Room Controller Touch to this version if it is running the 2.0 release. More information about the release 2.0 can be found in the 'Room Controller Touch 2.0 Release note'.
Important! The Legacy version is not supported by the xComfort Bridge.

What is new? - Universal release 3.0
The Universal version is functional mainly the same as release 2.0 functions. In the next paragraphs the differences are described.

Support xComfort Bridge
The Universal version is supported by the xComfort Bridge.

Not supported xComfort devices
The Universal version doesn't support or is not supported by:
•	xComfort Smart Home Controller (SHC)
•	xComfort Switching and Dimming actuators for heating control (ON/OFF climate control),
•	xComfort Room Manager
Important! To use the Room Controller Touch with one of these xComfort devices the 'Legacy' application version needs to be installed.

Heating modes
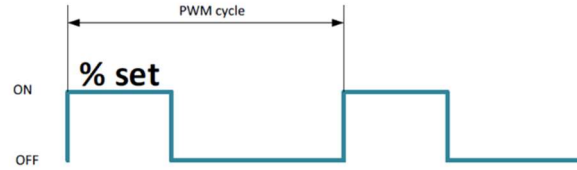The Universal version only supports heating mode. Cooling mode is not supported.

Changing setpoints
Each change in of the setpoint either made via the main menu or edit menu are stored permanently (till next change).
This is different compared with the older and the Legacy releases where a temporary change, till the next operation mode change, of the setpoint value via the main menu is possible.

Supports - Effect Regulation

The commonly used Temperature regulation uses the measured actual temperature to control the heating. Different to that, Effect Regulation uses a set percentage of a time period (PWM cycle) during which the heating should be active to control the heating.

When used?

Effect regulation is typically used in situation where no reliable measurement of the actual temperature is possible or not preferred.

Typical applications:
- Bathroom where the Room Controller Touch is installed outside bathroom
- Large spaces like a garage with local heating (e.g. IR) at a workplace
- Terrace heating

What is needed?

Effect regulation requires a Room Controller Touch with the Universal application software version installed and a Heating Actuator with software that supports effect regulation.
Heating actuator which supports Effect regulation are marked with the following symbol:

Pre-programmed

Effect regulation solution is also be available as preprogrammed 'Wireless Effect Regulation' package.
This package includes:
- Heating actuator CHAU-01/01-10E
- Complete Room Controller Touch, pure white gloss

More information

More information about the Room Controller Touch including the User Manuals for Temperature-based control and Effect regulation-based control are available on www.eaton.com/rct or use the QR-code.