

RoomMate room controller (RMT/x)



Figure 1 RoomMate

1. Product description

RoomMate is a fully customizable control panel for the Qbus system available in various color finishes. This user-friendly room control features a built-in temperature sensor and can be used as a room thermostat. The screen is automatically activated by approaching it. Common actions such as switching or dimming lights, controlling ambiance, motor control, and thermostat adjustments are easily done. The screen is simply connected to the Qbus two-wire bus system. No separate power supply is required to use this screen within a Qbus system. In addition to the standard Qbus functions, you can also use the screen to control compatible audio systems connected via the Ubiebox. You can configure up to 20 different controls on the RoomMate. The display includes a built-in speaker for displaying small and short notifications such as doorbell usage or warning signals for other alarms. Proximity detection can be used to control a Qbus I/O.

With the Qbus Control app, you not only choose which controls are displayed or where they are located on the screen, but also how you navigate through your control screens. You can download the Qbus Control app for free from the App Store or Play Store.

The screen can be easily mounted in any standard flush-mounted box with the usual claw or screw attachment and is powered via the bus. An in-wall box with screws for switch mounting is preferred. For claw attachment, you need to add a set of claws yourself. The RoomMate communicates for audio applications via your Wi-Fi network with the Ubiebox. You need an active internet connection to activate the RoomMate. This internet connection ensures that the RoomMate is always up-to-date and has the latest features available. Like any Qbus module, the RoomMate has a unique serial number that is entered during configuration in the System Manager III configuration software. This screen can also be found via the search function in System Manager. All programmed data remains stored internally in non-volatile memory.

2. Safety instructions



Read the full manual before installing and activating the module.

ATTENTION

- The module must be installed, started up, and maintained in accordance with the applicable legal regulations of the country.
- Before working on the RoomMate, the power must be turned off.
- Never connect external voltages (e.g., 230Vac) to the connection for the Qbus bus. This will cause irreparable damage to the module and/or connected devices.
- The module must not be opened. The warranty will be void if the module is opened!

3. Installation and wiring

Placement: Screw the mounting frame onto the flush-mounted box. After connecting the bus connector to the display, click the display onto the mounting frame.

Power supply: The display is powered via the Qbus two-wire bus but can also be powered via an external power supply. An external 24V DC power supply is preferred when more than 8 RoomMates are connected to one bus. Figure 3 shows the connection of an external power supply.

CAUTION: INTERRUPT THE POWER SUPPLY TO THE MODULE BEFORE WORKING ON THE MODULE.

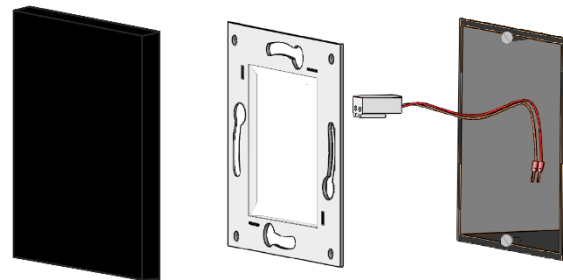


Figure 2 RoomMate placement in flush-mounted box

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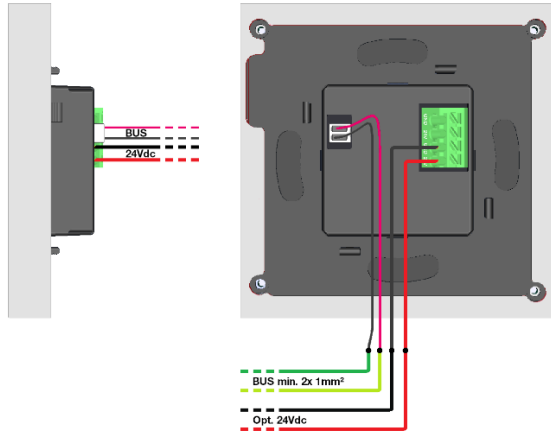


Figure 3 Connection of external 24V DC power supply

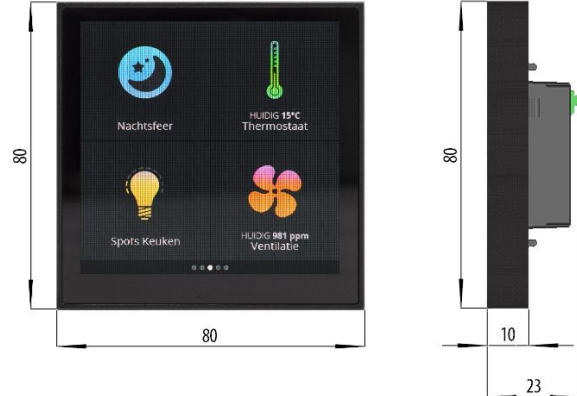


Figure 4 RoomMate Measurements

Qbus-bus wiring:

Any shielded cable with conductors of at least $2 \times 1 \text{ mm}^2$ can be used as a bus cable. The green shielded EIB cable is the recommended cable when the conductors are twisted in pairs to obtain a section of at least $2 \times 1 \text{ mm}^2$. The shielding of the bus cable must, and may only, be connected at one end to the general grounding of the building.

4. Technical Specifications

General specifications RoomMate

- Operating temperature:
 - Operating temperature: 10°C to 45°C
 - Storage temperature: -10°C to 60°C
- Maximum humidity: 93%, no moisture condensation
- Qbus Bus: 13.8Vdc - 18Vdc very low safety voltage
- Peak load Qbus bus: 70mA
- Max. installation height: 2,000 meters above sea level

Electrical protection:

- Qbus Bus: 13.8Vdc - 18Vdc very low safety voltage
- Non-toxic, compliant with WEEE/RoHS
- Overvoltage CAT. III (CAT.3)

CE:

- Qbus declares that this product complies with all applicable European directives and regulations.
- The EU Declaration of Conformity is available upon request.

Physical specifications:

- Housing: plastic, self-extinguishing according to UL94-V0
- Brass or Aluminum finish
- Degree of protection: IP20, EN 60529
- Installation using supplied mounting frame
- Dimensions (h x w x l): 80mm x 80mm x 10mm
- Weight: approximately 150g.

5. Declaration of symbols



Equipment where protection against the risk of electric shock is not only based on basic insulation, but also on additional protection such as double insulation or reinforced insulation. There is no possibility of grounding.



Before connecting the device, it is mandatory to read the manual of the respective product. ISO7000-0434



Mains connection (230V) to the power connector. IEC 60417-5036



CE conformity. All declarations of conformity are available upon request.

6. Warranty Terms

Warranty period: 2 years from the date of delivery. The warranty is no longer valid if the module has been opened! The warranty period is extended by 2 years if installed by an authorized Qbus installer. In case of defects, Qbus support must be contacted first. In case of defects, modules will be sent free of seal to our service department:

Qbus NV
 Joseph Cardijnstraat 19
 B-9420 Erpe-Mere
 Tel: +32 (0)53 60 72 10
 Fax: +32 (0)53 60 72 19
 Email: support@qbus.be