# Instruction Manual

# RCM

## Wireless single-room keypad




2025
Version 2.0.2

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# 1.0 What is the RCM?

- The RCM is a wireless battery-powered keypad for transmitting Rako commands to wireless receivers such as the RMT-500 or RDA-800.
- Available in a wide range of button configurations to control lights, blinds, and audio, the RCM provides a versatile solution to suit the needs of all room sizes.
- The RCM is programmed using dip switches on the back of the unit.
- Advanced programming features are available to customise the functionality of the RCM.




# 2.0 Programming the RCM

The RCM is programmed using the DIP switches on the back of the unit, there is a row for the House Number and a row for the Room Number.

| Dipswitch | Value |
|---|---|
| 1 | 1 |
| 2 | 2 |
| 3 | 4 |
| 4 | 8 |
| 5 | 16 |
| 6 | 32 |
| 7 | 64 |
| 8 | 128 |




For further information on how the RCM is programmed in the context of a complete system, see the Wireless System Setup Guide.

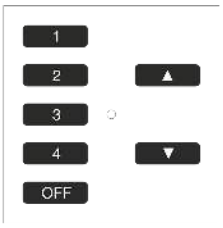
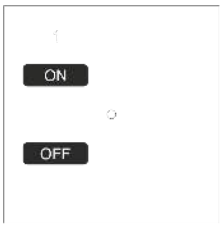
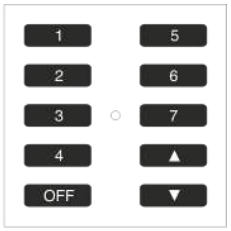
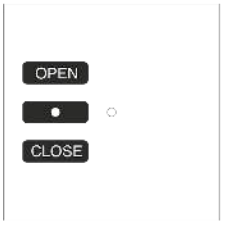
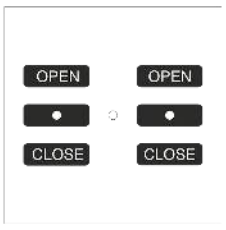
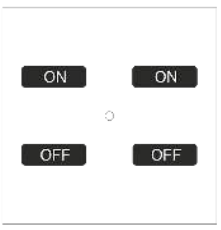
NB
If the modules look like an RCM but there are no dip-switches fitted, then this module is an RNC module and cannot be addressed without Rasoft Pro and an NFC programming tool. See the Wireless System Setup Guide for more details.

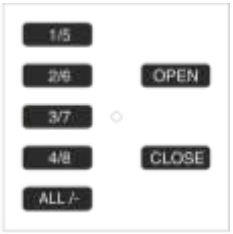
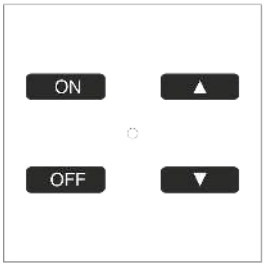
# 3.0 Button Configurations

The RCM is available in a wide range of button layouts to suit each application. Below are the standard button layouts available.

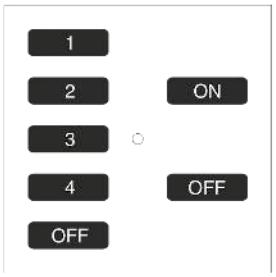
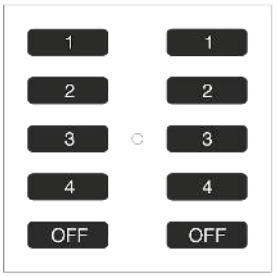
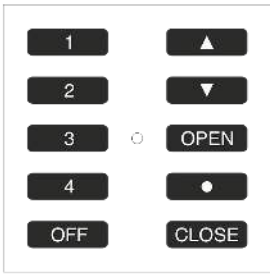
NB
Some keypad layouts require setting up via the Advanced Control Panel Features.

Standard layouts which require no additional setup:

| Layout | Description | Layout | Description |
|---|---|---|---|
| <br>RCM-070 | 4 Scenes/Off/Fade Up and Down. | <br>RCM-020 | Scene 1 and Off |
| <br>RCM-100 | 7 Scenes/Off/Fade Up and Down. | <br>RCM-030 | Open, stop, and close.<br><br>Used for blind control. |
| <br>RCM-060 | Dual blind control, open, stop, and close.<br><br>Used for blind control.<br><br>The right column will be the set Room Number + 1. | <br>RCM-041 | Dual room Scene 1 and Off.<br><br>The right column will be the set Room Number + 1. |

| | | | |
|---|---|---|---|
| <br>RCM-071 | 8 blind selector, with open and close.<br><br>Press buttons 1-4 to select a blind channel, open and close will control the last button pressed.<br><br>To control blind channels 5-8, press 'ALL/-' then press the relevant channel button, the open and close will control the last channel pressed. | <br>RCM-040 | Scene 1 and off, with raise and lower. |

Customised layouts that require setup in advanced control panel features:

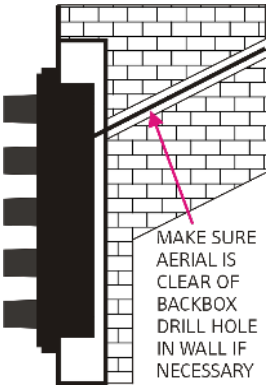
| Layout | Description |
|---|---|
| <br>RCM-072 | 4 Scenes with Scene 1 + Off to control a separate room. |
| <br>RCM-103 | Dual Room 4 Scenes and Off to control two rooms on a single control panel. |
| <br>RCM-101 | 4 Scenes and Off with raise and lower with integrated blind control. |

# 4.0 Installation

**⚠WARNING**

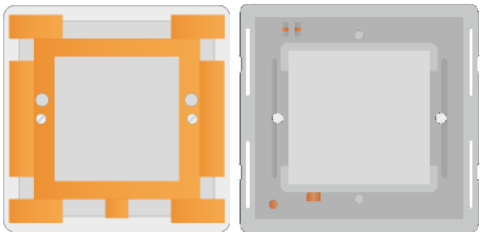
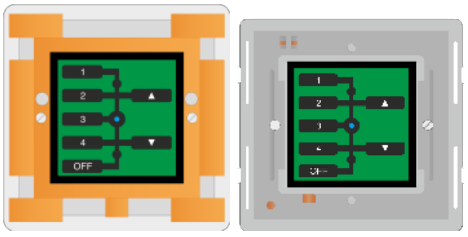
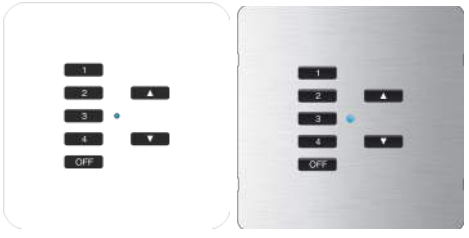
Installation should only be carried out by a competent electrician.

- RCM modules should be mounted in dry areas only.
- Metal backboxes will reduce the transmission distance; to mitigate this, it is recommended to drill out of the backbox and into the wall.
- The RCM is a battery-powered device; it must be accessible for battery replacement.

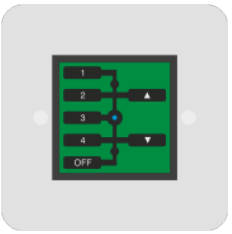



*RCM with the aerial out of the backbox*

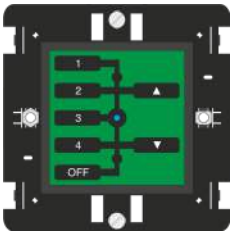
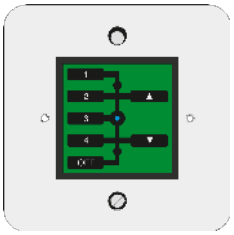
## 4.1 Installation - Screwless finish plates (RLF/RLM)

| | | |
|---|---|---|
| Step 1 |  *RLF* *RLM* | Screw the grid into the backbox, ensure that the fixing holes for the plate are above the screws, not at the bottom. |
| Step 2 |  *RLF* *RLM* | Remove the battery 'pull out' tab on the RCM.<br><br>Push the RCM into the grid, the outer bezel of the RCM should sit flush with the grid. |
| Step 3 |  *RLF* *RLM* | Clip the front cover plate on the grid with a firm push, and ensure that the plate is sitting flush on the wall and is unobstructed. |

## 4.2 Installation - Screwed backbox plates (RVF)

| | | |
|---|---|---|
| Step 1 | <br>*RVF* | Remove the battery 'pull out' tab on the RCM.<br><br>Using the clear plastic mounting grid provided with the RVF, push the RCM through the flat side of the clear plastic mounting grid until the RCM bezel is flush with the front. |
| Step 2 | <br>*RVF* | Place the cover plate on top of the clear plastic mounting grid, and screw the plate and switch into the wall. |

## 4.3 Installation - screwed surface mount plates (RVF)

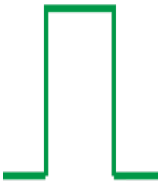
| | | |
|---|---|---|
| Step 1 | <br>*RVF* | Remove the battery 'pull out' tab on the RCM.<br><br>Push the RCM into the pattress and insert the nuts provided into the plate fixing positions of the RCM.<br><br>To mount the pattress on a wall, use two wall screws (not included) and fix them to the top and bottom of the pattress. |
| Step 2 | <br>*RVF* | Clip the white pattress onto the black pattress screwed to the wall.<br><br><u>NB</u><br>A black pattress is also available. |
| Step 3 | <br>*RVF* | Place the cover plate over the white pattress and screw the plate to it using the screws provided.<br><br>Ensure that the plate sits flush in the pattress and nothing is causing obstruction. |

# 5.0 Initial checks

- Press any button on the RCM, and the blue LED in the centre will illuminate momentarily and go off.
- Ensure that every button on the switch can be pressed without obstruction.
- If there is no blue light when a button is pressed, check that the 'pull out' tab has been removed from the battery terminal.

Thank you for choosing Rako Controls; we hope that you are pleased with your system. Should you require further assistance, please contact us via our website, www.rakocontrols.com call our customer support helpline on 01634 226666. The office address is Rako Controls Ltd, Knight Road Rochester, ME2 2AH.

# 6.0 Appendix - LED Diagnostics

| Battery | LED Pulses | Description |
|---|---|---|
| Healthy battery |  One second-long pulse. | When a button is pressed on the RCM, there should be a single pulse on the blue LED. |
| Low battery or the wrong battery. |  Multiple intermittent pulses. | If the RCM has a low battery, the blue LED will flash when a button is pressed, there may also be no LED if the battery is flat. |

For further information on LED diagnostics in a Wireless System, see the Wireless System Diagnostics Guide.