

# WCM-D Instruction Manual

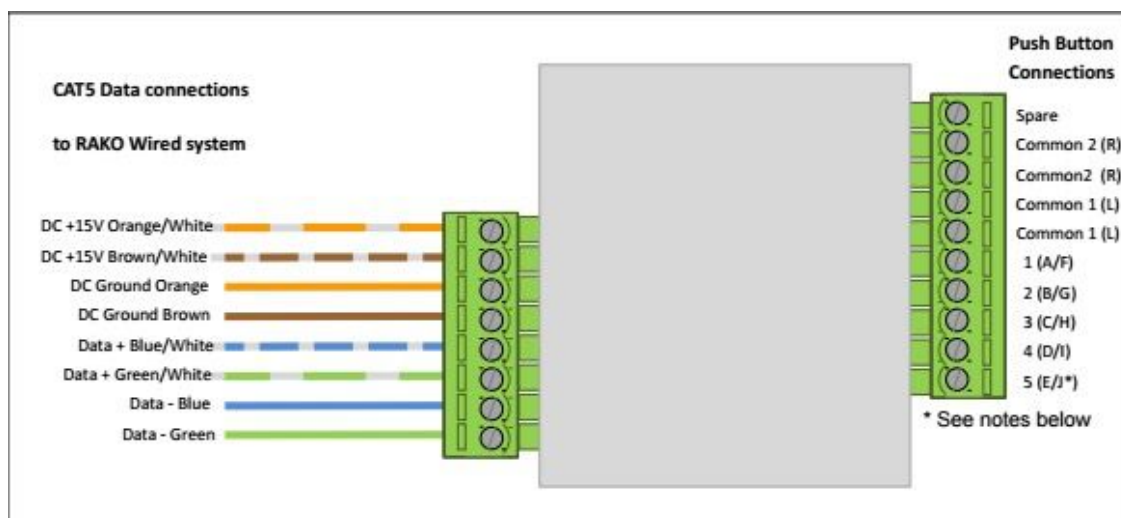
For programming information: [“Wired programming guide”](#)



For further installation information: [“Wired Application Sheet”](#)

The WCM-D allows Custom & Third Party Switch Plates to be used in place of a standard Rako wired wall panels (WCM). The WCM-D will fit inside a single gang back box. Up to nine switch inputs can be taken per WCM-D. The switch plate can be formed of Latching or Momentary Action switches which have short wires to terminals on the WCM-D.

## [Wiring Switches to the WCM](#)



The WCM-D is wired into 2 pluggable sets of terminals. The 8 way terminal block connects to the Rako wired network formed of cat5/cat6 cable with cable allocations as set out above.

The 10 way terminal block is used to wire up to nine 3rd party switch panels into the WCM-D. Inputs “A-E” are used by pairing with either of the “Common 1” terminals and “F-J” with the “Common 2” terminals.

### **NB**

*Input J cannot be wired to a switch it is used for set-up purposes only.*

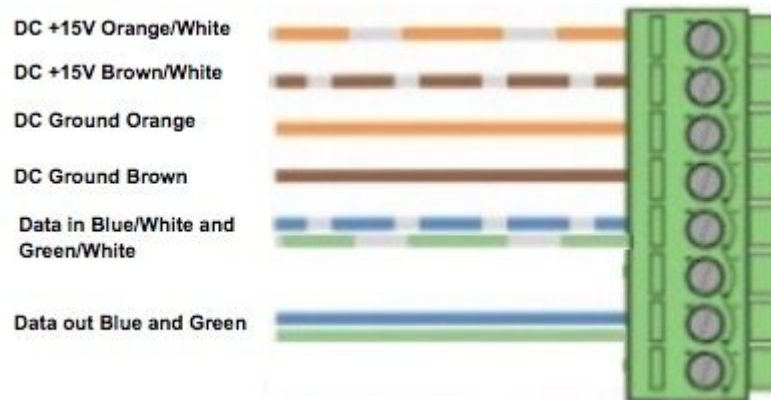
## [Terminating the WCM-D](#)

### **End of line termination**

When the WCM-D is at the “end of line” position a resistor termination is required. This is provided with the WCM-D. The resistor is placed between the Blue and the Blue/White.

## Star termination

When used in conjunction with a RAK-Star a star termination is required. It should be wired as follows:



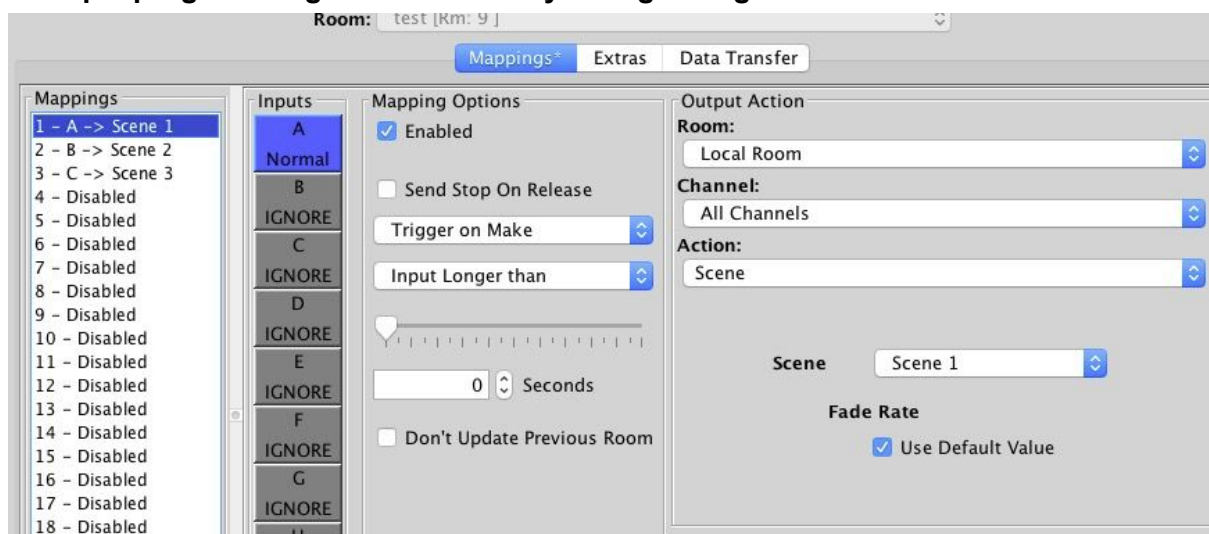
See RAK-STAR user manual for when to use star termination.

## Setting up the WCM-D

- First open Rasoft Pro and ensure an WA/WTC - Bridge is successfully connected (see wired programming guide for details).
- Short either of the two “Common 2” inputs with E/J to give a continuous J input for 3 or 4 seconds (when the WCM-D successfully enters set-up mode the LED will begin to blink).
- If the installation is correct a pop up box will appear in Rasoft Pro. If no pop up box appears there is most likely an error in the wiring of the Rako Wired Network.
- Enter a suitable name and assign the local room.

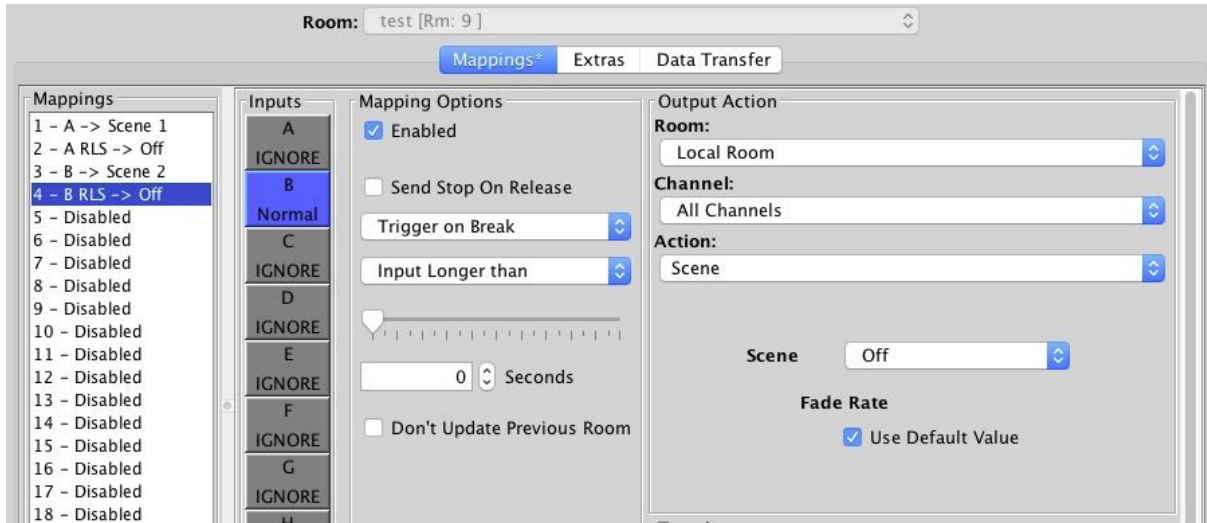
## Programming the WCM-D inputs

Example programming for a momentary wiring configuration:



Above is an example of how a three way momentary switch would be programmed when wired in to inputs A,B and C of a WCM-D.

**Example programming for a latching wiring configuration:**



Above is an example of how a two way latching switch would be programmed when wired in to inputs A and B of a WCM-D.

Rako thanks you for having purchased a Rako product and hopes that you are pleased with your system. Should for any reason you need to contact us please contact us via our website [www.rakocontrols.com](http://www.rakocontrols.com) or by phoning our customer help line on 01634 226666.

