



MANUAL



WIRELESS 2 CHANNELS / 2 WAY MODULE RECEIVER MCMR-3000

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1. Overview and features

2 channels 2-way operation module.

Transform electric device(s) to wireless control with the On/Off module receiver. Module receiver is designed to be installed in standard wall boxes or anywhere else where it is necessary to control an electric device drawing up to 3000W.

Two channels

1500 Watts per channel for ON/OFF controlling 2 individual wall switches.

Main features of 2 channel module receiver;

- Compatible to L and M series.
- 2 channels, 1500W each channel resistive load control.
- Adaptive mains zero crossing switching.
- Total 32 memories, 16 memories per channel, first in first out storage maintain.
- Scene status memory, create your desired atmosphere.

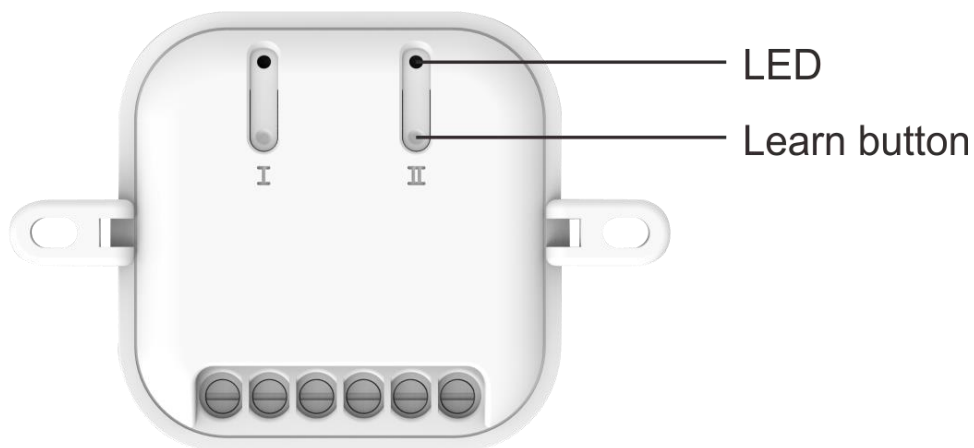


Not compatible to:

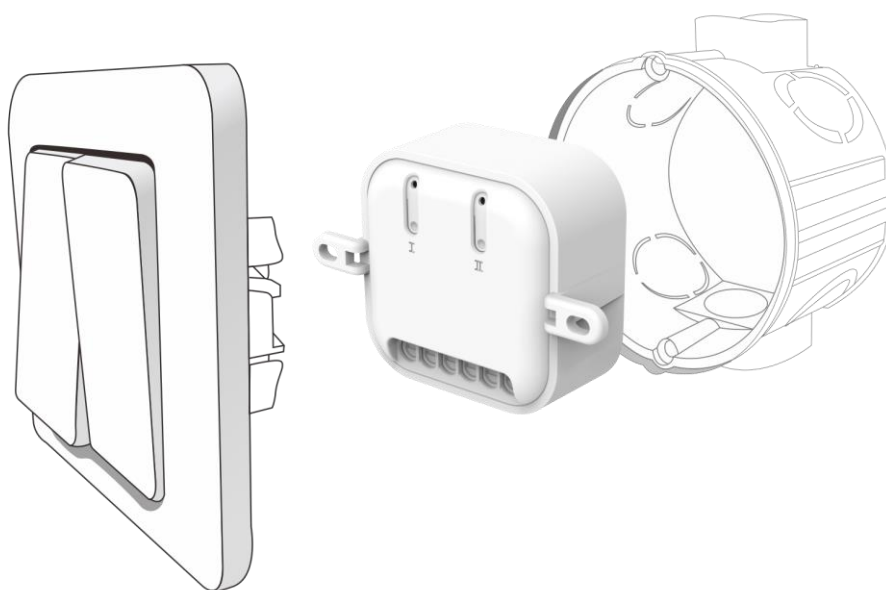
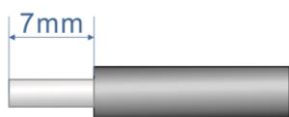
ARC Code switch system product range

2. Diagrams

Notes for the diagrams:

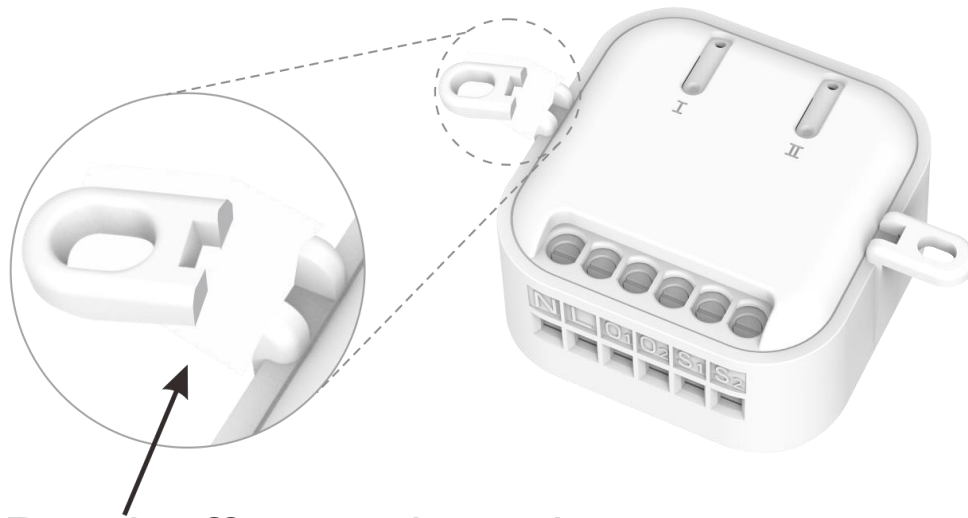


- Strip wires at least 7mm then connect the wires as per diagrams below, ensure terminals are properly tightened and no bare wire is visible.
- Suitable wire size for terminal is 1.6mm² to 2mm²



3. Installation – Wiring

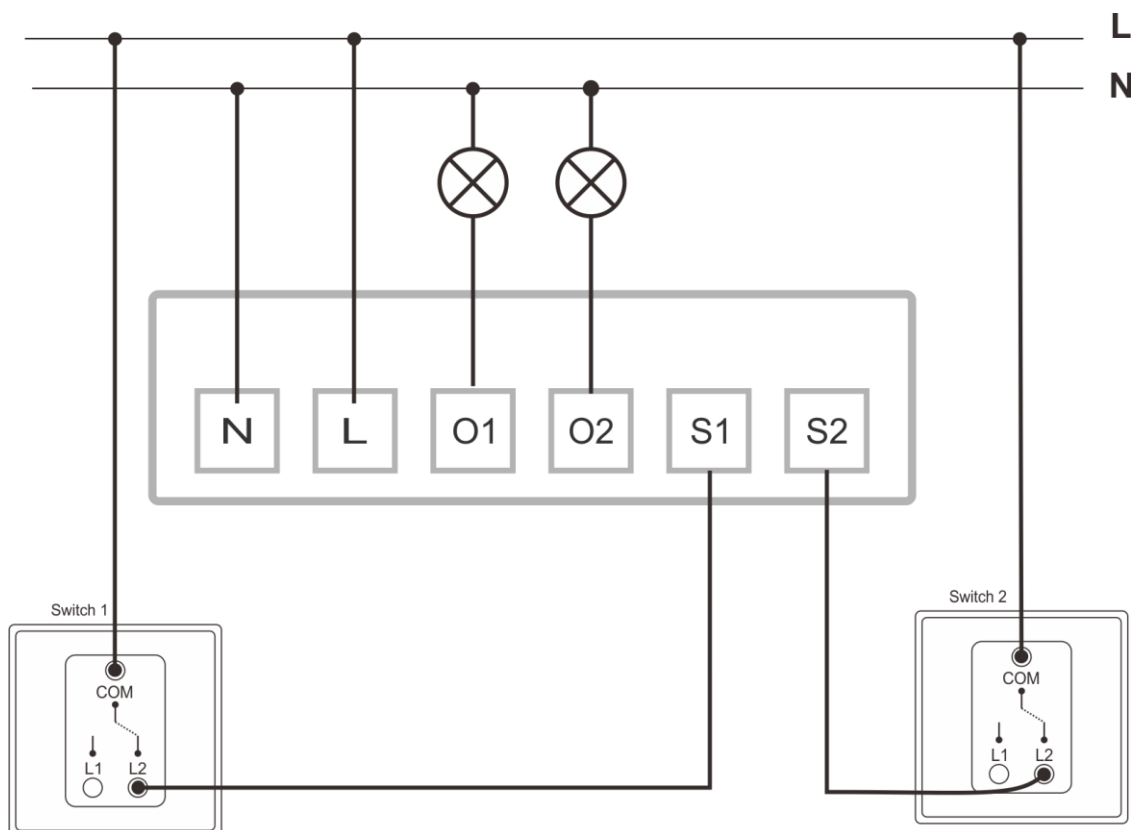
To install module into wall box, break off the mounting tabs.



Break off mounting tabs

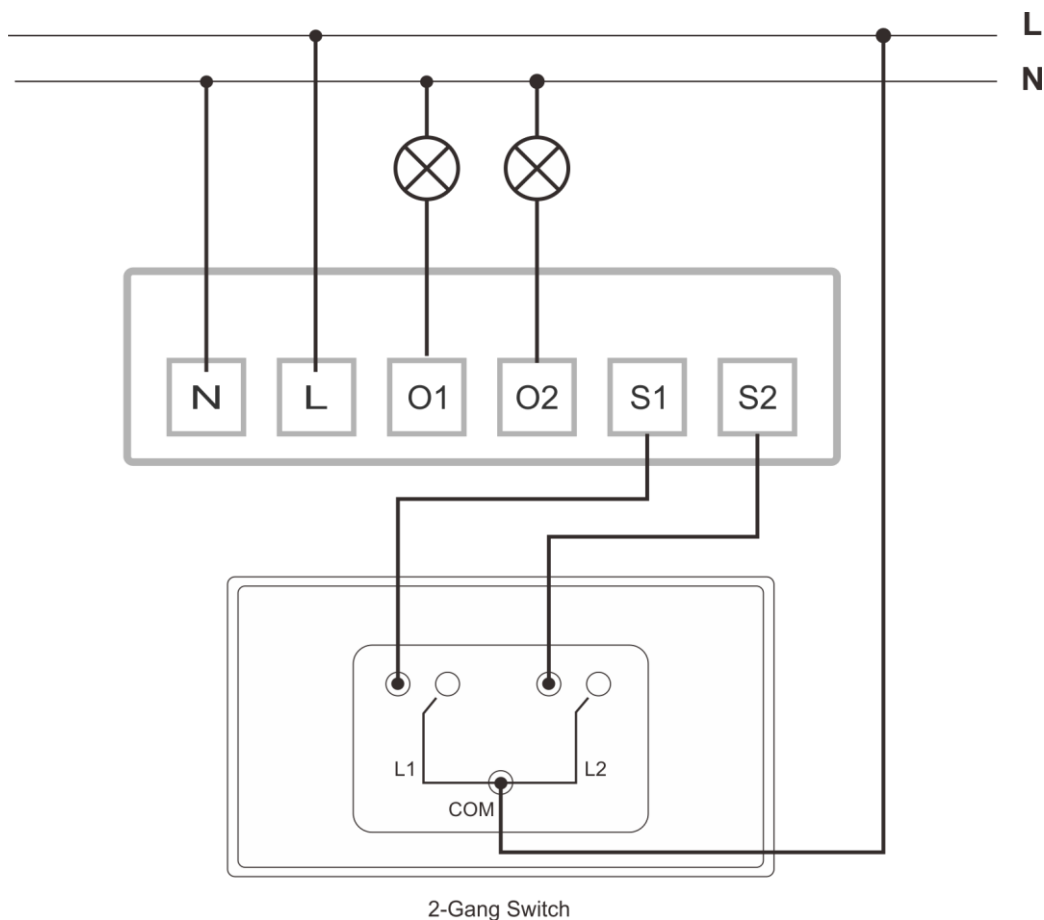
⚠ Cut off main power before installing and wiring.

2 Switch – 1 Way Operation



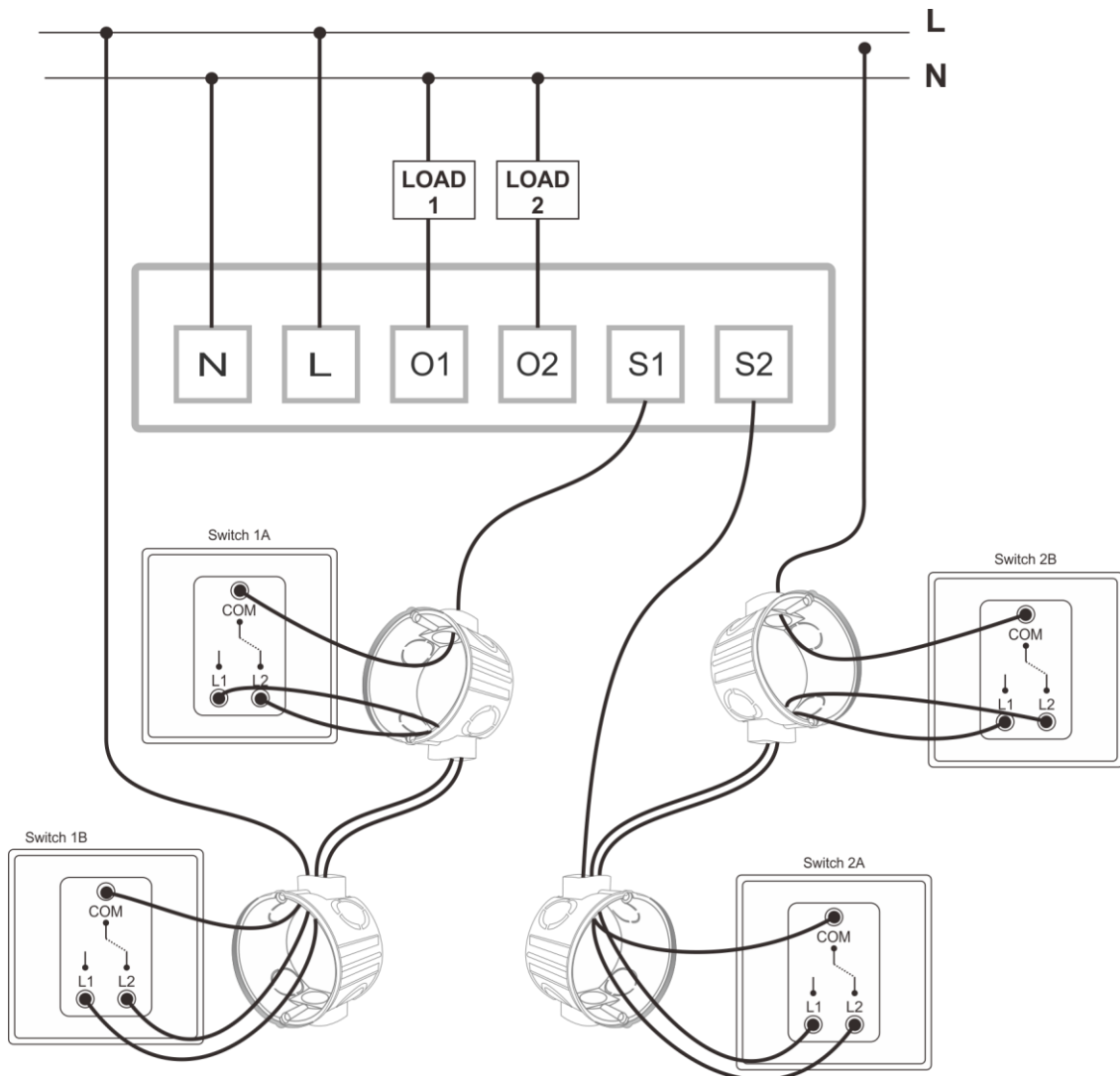
1. Remove current Live-in AC 230V wire & Neutral-in AC 230V wires from the existing wall switch.
2. Connect Live-in AC 230V wire & Neutral-in AC 230V wires into module terminal 'L & N'.
3. Connect wire from module terminal 'S1' into mechanical switch 1 'L2' terminal.
4. Connect Live-in AC 230V wire into mechanical switch 1 'Com' terminal.
5. Connect wire from module terminal 'S2' into mechanical switch 2 'L2' terminal.
6. Connect Live-in AC 230V wire into mechanical switch 2 'Com' terminal.
7. Connect output load into 'O1 & O2' terminal.
8. Tighten terminal screw, tidy wires then install module into wall box making sure no bare wires are in front of the module.
9. Connect back mains power supply.
10. Before installing the mechanical switch back onto the wall, please proceed to "Pairing Section" below to set up wireless function with a remote control or wall switch.

Alternate way for installing 2 gangs switch



2 Switch – 2 Way Operation

Note, current machnical switch must be compatible for 2 way operations.



1. Remove current Live-in AC 230V wire & Neutral-in AC 230V wires from the existing wall
2. Mechanical Switch 1A / 1B and 2A / 2B must already be connected into 'L1 & L2' terminal.
3. Connect Live-in AC 230V wire & Neutral-in AC 230V wires into module terminal 'L & N'.
4. Connect wire from module terminal 'S1' into mechanical switch 1A 'Com' terminal.
5. Connect Live-in AC 230V wire into mechanical switch 1B 'Com' terminal.
6. Connect wire from module terminal 'S2' into mechanical switch 2A 'Com' terminal.
7. Connect Live-in AC 230V wire into mechanical switch 2B 'Com' terminal.
8. Connect output load into 'O1 & O2' terminal.

9. Tighten terminal screw, tidy wires then install module into wall box making sure no bare wires are in front of the module.
10. Before installing the mechanical switch back onto the wall, please proceed to "Pairing Section" below to set up wireless function with a remote control or wall switch.

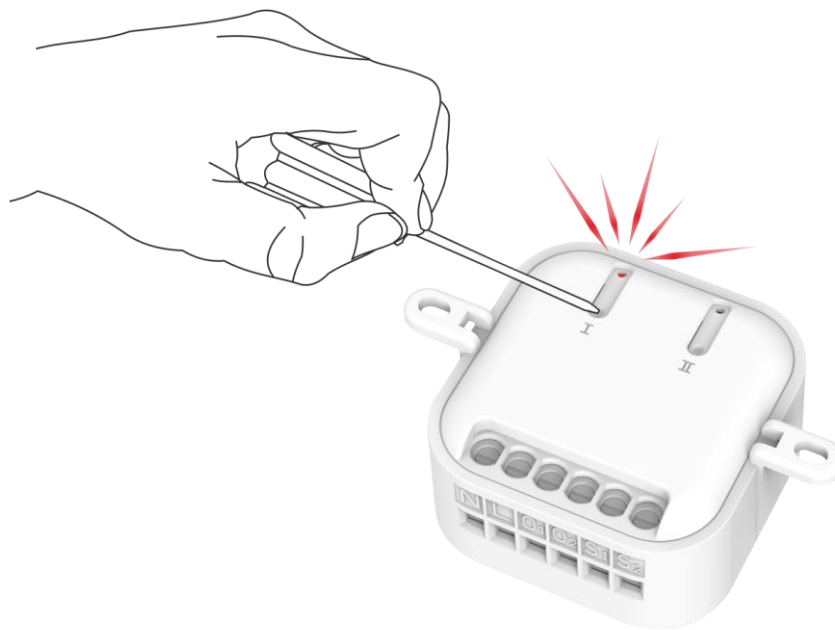
4. Pairing / Un-pairing Device

PAIRING

Each channel can pair up to 16 memories, first in first out storage maintain.

Pairing using **LEARNING MODE**:

1. Press '**Learn**' button once (LED on module will flash), this will enter learning mode.



2. With a remote control press the '**ON**' button; LED on module will flash to confirm that the remote control is now paired.

NOTE: If no signal is received from a remote control within 12 seconds then the module will automatically exit learning mode without pairing the device.
To exit learning mode manually, simply press the '**Learn**' button again.

UN-PAIRING

Removing single Device:

1. Press '**Learn**' once (LED on module will flash), this will enter learning mode.
2. With a remote control press the '**OFF**' button intended to be un-paired; LED on module will flash to confirm that the remote control is un-paired.

CLEARING ALL MEMORY

Removing all memory stored in the module.

1. On the module hold down the '**Learn**' button for 6 seconds, LED on module will flash.
2. Release button then press again, this will remove all memory stored in the module.

5. Operation

Operation via remote control.

ON/OFF Function:

Press the 'ON' button on remote control, the load(s) will illuminate.

LED on module will light ON for 1 second to indicate a signal is received from a remote-control transmitter.

Press the 'OFF' button on remote control, the load(s) will turn OFF.

LED on module will light ON for 1 second to indicate a signal is received from a remote-control transmitter.

! During standby mode, LED on module will not illuminate.

Operation via mechanical switch

Soft start ON/OFF Function:

Toggle switch once, the load(s) will illuminate.

Toggle switch again the load(s) will switch OFF (latching action)

Example using in conjunction with remote control and mechanical switch.

If load is switched ON from the mechanical switch then switch OFF via the remote control.

The next time turning ON the load can either be:

(i) on the remote press the ON button

OR

(ii) on mechanical switch toggle switch **once**.

Two-way operations

Toggle switch once to turn ON or OFF the load(s)

Example:

Switch 1 is located downstairs / Switch 2 is located upstairs.

While going up the stairs, toggle "Switch 1" once to turn ON the load(s), once reach upstairs toggle "Switch 2" once to turn OFF the load(s).

6. Specifications

Input Rating:	230V~50Hz
Output Rating:	Total 3000W Max. Resistive Load 1500W Max. 6.522A per channel
Radio Frequency:	433.92MHz
Power consumption:	<1W
Environment Temperature:	0-40 °C
Range:	up to 50 m indoors (Depends on building materials)
In accordance with:	Low Voltage Directive 2014/35/EU RED Directive 2014/53/EU
CE Certification:	The CE marked affixed to this product confirms its compliance with the European Directives Which apply to the product and in particular its compliance with the harmonized standards and specifications.



Dimension (L x W x H)	48 x 48 x 25mm
Weight:	20 g

NOTE

- When inserting module into back box make sure excess wires do not cover module's back side. This may reduce the performance of radio transmission.
- During standby mode, LED on module will not illuminate.