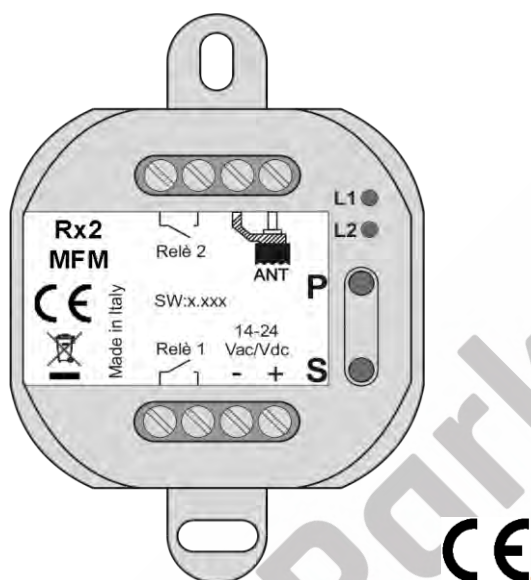


Instructions manual universal receiver

RX2 MFM

1- TECHNICAL CHARACTERISTICS



Powersupply	14-24 Vac/Vdc
Consumption	20mA in rest, max. 50mA
N° of relay	2
Max relay load	Potential free 5A 30Vdc / 5A 250Vac
Relay functions	Bistable, impuls, timed relay seconds & minutes
Frequency	433.92-868 MHz
Max. number of memorizable codes	40
Dimensions	53x76x24 mm
Operating temperatures	- 20° C / +70° C

2-WARNING



Dear customer, thank you for purchasing one of our products. Please read and retain this instruction manual carefully as it provides important information on the operation and safety of the device.

- The descriptions and diagrams in this brochure are not binding. Manufacturer will keep the main characteristics of the equipment unchanged, but reserves the right at any time and without obligation to update this brochure due to technical improvements or for any other commercial reason.
- The equipment must be intended exclusively for the use for which it was designed. Any other use should be considered improper and, therefore, dangerous.

3-WARRANTY CONDITIONS

The product is guaranteed for a period of 24 months from the date of construction or from the documented date of installation. This warranty is void in case of lack of appropriate labeling, in case of improper handling or use, in case of damage caused by atmospheric events and in any case that does not depend on the construction and quality of the product. The warranty is also void if original manufacturer parts are not used for repair or maintenance.

4- RECORDING OF TRANSMITTERS

Up to 40 codes can be registered in the receiver.

NOTE: each key on the remote control corresponds to a code. Example: if all channels of a 4-button radio control are recorded, 4 codes are entered into the receiver.

- Press P key on the receiver to select relay 1, LED L1 starts flashing. To switch to relay 2, press P key again, LED L2 starts flashing.
- Once the desired relay has been selected, press the key on the radio control that you want to record and keep it pressed until the L1 and L2 LEDs remain on. A few seconds may pass before the receiver decodes the new code.
- Repeat the operation for all the codes you want to enter into the receiver.

4.1 - Remotes with HCS registration procedure

- Press P key on the receiver to select relay 1, LED L1 starts flashing. To switch to relay 2, press P key again, LED L2 starts flashing.
- After selecting the desired relay, press the key on the radio control that you want to record and keep it pressed until the relay LED (L1 or L2) starts emitting 2 slow flashes.
- Transmit the SEED through the hidden key or key combination. If you do not know the procedure or do not have the possibility to transmit the SEED code, continue pressing the key of the radio control you are trying to register, this will be stored as a fixed code.

5- REMOVAL OF TRANSMITTERS

This feature allows you to individually erase remote controls within the receiver:

- Press the P key on the receiver, the L1 LED starts flashing, then press the S key.
- LEDs L1 and L2 light constantly.
- Press and hold the button on the radio control that you want to delete until the L1 and L2 LEDs turn off. The remote control has been removed successfully.
- Repeat the operation for all the codes you want to delete.

6- RELAY CONFIGURATION

The relays can be configured in four different ways:

- Bistable:** the state of the relay is maintained until another pressure is received from the associated command. When you press the remote control, the relay contact closes, the next time you press it, it opens.

ATTENTION: the absence of power returns the output to its rest state, that is, open contact.

- **Impulsive (factory setting):** the relay contact remains closed for as long as the associated remote control is pressed; once released it opens. **ATTENTION:** any disturbance can open the contact even if the radio control button is still pressed.
- **Seconds timer:** in this mode it is possible to set a time in seconds after which the relay contact opens. The timer has a factory setting of 30 seconds. **ATTENTION:** the stopwatch is recharged every time an associated control is pressed.
- **Minute timer:** in this mode it is possible to set a time in minutes after which the relay contact opens. By default, the timer has a setting of 30 minutes. **ATTENTION:** the stopwatch is recharged every time an associated control is pressed.

- **Frequency memory full:** you are trying to register a new remote control with a transmission frequency different from the previous ones. The number of frequencies that can be memorized in the receiver is limited but other radio controls with the same frequencies as the previous ones can still be memorized.

9- PRODUCT DISPOSAL DISPOSAL

Disposal of the device must be carried out in accordance with current regulations on electrical equipment and it is recommended to separate it from household waste by contacting local waste collection centres.



6.1-Configuration of relay 1 & 2

- Press and hold the S button on the receiver for about 5 seconds.
- The L1 led relative to relay 1 begins to flash, to go to relay 2 press the S key, then the L2 led begins to flash.
- The LED (L1 or L2) of the selected relay flashes according to the configured mode:

1 Flash	☼	BISTABLE
2 Flashes	☼ - ☼	IMPULS
3 Flashes	☼ - ☼ - ☼	TIMER (Sec)
4 Flashes	☼ - ☼ - ☼ - ☼	TIMER (Min)

- Press the P key to change the desired operating mode. Each time the P key is pressed again, the setting cycles to the next mode.
- Exit the configuration by repeatedly pressing the S key until the LEDs turn off.

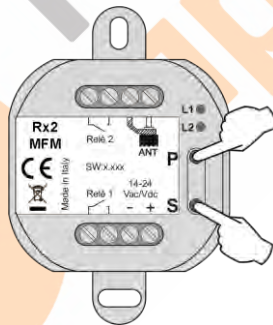
6.2- Timer settings

- While in timer mode (seconds or minutes), press and hold the S key for approximately 2 seconds and wait for the LED (L1 or L2) to flash regularly (one flash per second).
- Hold down the S key and count the number of LED flashes you want to set as seconds or minutes. Example: I count 5 LED flashes to set 5 seconds/minutes depending on the previously selected mode.
- Once you have counted the flashes you want to program, release the S key.

7- FACTORY RESET

This function allows you to delete all remote controls inside the receiver.

Press and hold the P and S keys for about 10 seconds, wait until the L1 and L2 LEDs flash quickly, and then release the keys.



8- ERROR CODES

Error codes are identified by LEDs L1 and L2:

L1	L2	Description
Flashing	☼	Code not found
☼	Flashing	Code memory full
•	Flashing	Frequency memory full

- **Code not found:** While erasing a remote control, this is not recognized correctly. Verify that it was previously stored and retry the delete operation.
- **Code memory full:** the receiver memory is full and you want to memorize a new radio control. Delete a remote control that is not in use and try again.