

EN RX MINICOM

INSTALLATION AND OPERATION MANUAL

INTRODUCTION

The RX MINICOM is able to program original remote controls generated by the **MULTI 4** and **MULTI 2**.

TECHNICAL DATA

Power supply: from 12 VAC (volts alternating current) to 24 VAC; from 12 VDC (volts of direct current)
 Relay contacts: 5A-25VAC/5A30VDC
 Maximum storable code: 80

Nb: Each button of a transmitter is the same as a code. For this reason it is good to consider that a radio transmitter with 4 buttons will be memorized in four different positions.

PROGRAMMING

The receiver planning allows to associate a remote control to an output of receiver. The receiver accepts only original **MULTI 4** or **MULTI 2** codes. These codes are available in the buttons of the remote controls when they are produced or when a reactivation of original data has been produced on them, see the paragraph "REACTIVATION OF AN ORIGINAL CODE OF A **MULTI 4** or **MULTI 2**."

In order to proceed to the programming, press on P button. The LED linked to an output will flash. Pushing time after time the P button you can select the desired exit, before to proceed to the memorization. After selecting the desired output, push the remote control button that you want associate and hold down it till to the complete storage (all the LEDs remain switched on as fixed during 3 seconds).

The warnings of the LEDs that can appear in the memorization stage are:

FLASHING RELAY LED

Memorization stage. The remote control pressed button is linked to the flashing relay. During this stage please hold down and fixed manner the remote control that you are trying to memorize.

ALL SWITCHED ON LEDs FOR THREE SECONDS

Temporary stage. It shows the end of storage with successful, you can release the remote control button. Then you will visualize the type of memorized remote control.

CANCELLATION

The remote controls cancellation takes place with an analog procedure to the planning. To delete a remote control proceed holding down the P button. While the relative LED flashes to the relay (we are in the planning stage) push the S button. In this way the receiver have all LEDs switched on: we are in the cancellation modality. In this modality push the relative button at the remote control that you want to delete and keep pressed it as long as all the LEDs will not switch off. Now the remote control has been deleted.

OPERATION OUTPUT MODALITIES

The outputs receiver are programmable to work on the basis of four modalities: on/off, impulsive, seconds timer, minutes timer. The modalities are selectable and programmable in each moment.

Push the S button to entry in the configuration of operation modalities. The relative LED at the output will flash according to the modality that has been programmed. Push the P button to change the modality. To select the following output push the S button as far as to exit from the outputs configuration. Exit from the configuration modality pushing S to save the selected settings.

The default receiver has all selected outputs in impulsive modality. The pressure of the P button to modify the modalities flows according to the following order: ON/OFF → IMPULSIVE → SECONDS TIMER → MINUTES TIMER → ON/OFF. The pressure time after time of the P button will be recurrent in the modalities.

1 flashes: modality ON/OFF	☀					☀			
2 flashes: modality IMPULSIV	☀	☀				☀	☀		
3 flashes: modality SECONDS TIMER	☀	☀	☀			☀	☀	☀	
4 flashes: modality MINUTES TIMER	☀	☀	☀	☀		☀	☀	☀	☀

ON/OFF MODALITY

In this modality the output is bi-stable. At a pressure of the remote control, the output will be closed, at the following pressure will be opened. The output state is maintained until it reaches another pressure of an any associated remote controls. Pay attention: the absence power supply brings back the output at his break state that is open.

IMPULSIVE MODALITY

In this modality the pressure of the associate remote control will maintain the output operative relay until the remote control button is not released. Pay attention: possible reception interferences can deactivate the output even if the remote control button is still held down.

SECONDS TIMER MODALITY

In this modality you can set a time, in seconds, after which the output is deactivated. If not set up otherwise, the timer has a basic planning of 30 seconds. Pay attention: the timer is reloaded every time that an associated remote control at those output is pressed.

MINUTES TIMER MODALITY

In this modality, it is possible to set the time, the minutes, after whom the output is deactivated.

MINUTES TIMER MODALITY

When one of two timer modalities is selected, follow this procedure to set up the duration:

1. While you are in timer modality (seconds or minutes) push the S button for about 2 seconds, the flash will start to be regular (one flash to second).
2. Maintain the button pressed and count the flashes number that you want to set up as seconds or minutes (Ex. I count 3 regular flashes to set up 3 seconds/minutes).
3. As soon as the flashes have been counted for the planning, release the S button.

Error warnings

The warning error identify with others flashes because the relative LEDs to 1 and 2 relay are fixed switched on. When this happens, compare the behavior of other two LEDs with the chart underlying to understand the error type in progress.

LED 1	LED 2	Description
FLASHING	SWITCHED ON	NOT FOUND CODE
SWITCHED ON	FLASHING	FULL COURIER CODE

NOT FOUND CODE:

You are proceeding to the cancellation of a remote control. But, in this case, the remote control that you want to delete it is not available in the receiver or it has been wrongly understood. Please, try again if need be the procedure.

FULL COURIER CODE:

The receiver memory is full and you are trying to memorize an other remote control. Delete a not used remote control and try again.

RECEIVER RESET

To do a general Reset of the receiver follow this procedure:

1. Press and maintain hold down the P button and the S button for 10 seconds
2. Release the buttons when all the LEDs will start to flash quickly.

The LEDs can present the following configurations:

ALL LEDs FLASH QUICKLY: Reset in progress. It is possible to release the P and S buttons. When the Reset will be finished all the LEDs will switch off.

Programming of generical codes in a MULTI 4 or MULTI 2

The **MULTI 4** or **MULTI 2** are compatible with a large quantity of fixed and rolling codes. If some buttons of the transmitters are not used in the receiver, it is possible to program on them these codes. The functioning of the associated buttons to the receiver will remain the same.

SELF-PROGRAMMING OF A MULTI 4 ORIGINAL TRANSMITTER STARTING FROM ONE PROGRAMMED YET

It is possible to program in the receiver a **MULTI 4** or **MULTI 2** transmitter (slave) starting from a programmed transmitter yet, without working on the receiver.

In order to proceed, keep the **MULTI 4** or **MULTI 2** remote control to be added and press the 1 button and at the same time 4 times the 2 button. The white LED will start to flash slowly.

Place the back of this remote controls near to the back of the other remote control programmed in the receiver yet at 1 cm of distance and press whatever button programmed yet. The blue LED of the new transmitter will start to flash quickly.

Press whatever button of the new remote control to confirm the correct programming.

The blue LED will switch on as fixed light to confirm the correct programming. **ATTENTION:** all codes of new transmitter will be overwritten with codes depending on the old transmitter.

The new transmitter will work immediately in the receiver with the same association of buttons of the old remote control. At this point, if in the new transmitter there are some not used buttons in the receiver, it is possible also to use them for other necessities, overwriting other codes that deriving from fixed or rolling-code transmitters compatible with the **MULTI 4** or **RX MINICOM**.

REACTIVATION OF AN ORIGINAL CODE OF A MULTI 4 or MULTI 2

If a button of the **MULTI 4** or **MULTI 2** has been overwritten with a code of another **MULTI 4** or **MULTI 2r**, or with a code of a generic transmitter, it is possible to reactivate the manufacturing original code.

ATTENTION: if the **MULTI 4** or **MULTI 2** has been programmed in a receiver starting from another transmitter with an original **MULTI 4** or **MULTI 2**, after the following operation, it will be not more associated to the receiver, having back to its original state. If you want to run it again on the receiver, it will be brought necessary to follow again the procedure of "SELF-PROGRAMMING OF A **MULTI 4** or **MULTI 2** ORIGINAL TRANSMITTER STARTING FROM ONE PROGRAMMED YET". To bring again a button of the **MULTI 4** or **MULTI 2** at the manufacturing state, pressing on the 1 button, press on 4 times the 2 button. The white led will start to flash slowly. At this point press on the button to be reactivated. The blue led will switch on as a fixed light to confirm the correct reactivation. Only the pressed button will be reactivated, instead the others will keep the same code.