

ebode

EM



Transmitter
Wall-Mounted Remote Control

General Security Note

For carefree and safe use of this product, please read this manual and safety information carefully and follow the instructions. Technical manipulation of the product or any changes to the product are forbidden, due to security and approval issues.

Please take care to set up the device correctly - consult your user guide. **WARNING: Do Not Open! Risk of Electrical Shock.** Voltages in this equipment are hazardous to life. No user-serviceable parts inside. Refer all servicing to qualified service personnel.

Important: the product must be used according the instructions in this manual and is not suitable for other purposes.

Please avoid the following: strong mechanical wear and tear, high temperature, strong vibrations, and high humidity.

Please also respect the additional security notes in the various user guide chapters. To ensure correct set up please read the manual and security notes carefully.

Important: When fitting the switch, always make sure the ebode logo is situated at the right bottom.



1 Set the address, if necessary

The X10 address consists of a House Code and Unit Code. This unique address makes it possible to control one or more receivers (with the same address) with commands from EM switch.

General Information:

1. The factory default address is set to A1. This means you can remotely control the X10 compatible receivers which is set to address A1:

- (a) Like e.g. the ebode receivers RMA, RMV, RPT, RPA, RPL (RPA and RPL require a RF transceiver in order to convert the RF signals to X10 powerline commands, e.g the RPT).
- (b) Or Classic X10 Receivers with rotary address selectors, e.g TM13 or SC28 security console, when set to the same House code, A.

2. The front LED of the EM module indicates the following state:

- Green: ON
- Red: OFF

2 Programming the EM switch

Information:

The front LED indicates the 3 following states:

- Red LED: House code (A to P)
- Green LED: Unit code (1 to 16)
- Yellow LED: status of the program mode.



A. Simultaneously press the On and Off button during 1 second (the LED turns Yellow) then release.

The LED will blink Red for House Code then Green for Unit Code (the factory setting is A1: One Red blink and one Green blink), then go to Yellow (program mode).

Go to the next step to configure the House Code and Unit Code. After 6 seconds the modules will return to normal operation and leave the program mode.

Start



B. Configuring the House Code

Press and release the ON key the appropriate number of times for the House Code you want to set. Once for A, twice for B, etc.

The factory setting will be "A = 1 Red Blink"

After setting the House Code, the Yellow LED will blink 3 times, which means the House Code is set and the module has left the program mode.

To now set the Unit Code, start from step A but skip step B and go directly to step C.

Stop



C. Configuring the Unit Code

Press and release the ON key the appropriate number of times for the Unit Code you want to set. Once for 1, twice for 2 etc.

The factory setting will be "1 = 1 Green Blink"

After setting the UNIT Code, the yellow LED blink 3 times, which means the Unit Code is set and the module has leave the program mode.

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Mounting the EM switch to the wall

1. Use a screwdriver to remove the mounting plate from the switch cover. Be careful not to damage the electronic circuit.



2. Attach the mounting plate to the wall using e.g. double sided tape or 2 screws (2 mm) etc.

3. Reattach the cover to the mounting plate. Make sure the ebode logo is on the right bottom.



When changing the battery, the address will be retained.

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Operating the EM module

Check the address.

Simultaneously press the On and Off button shortly to check the address.

e.g.: for B3 the red led will blink 2 times for the house code and the green led will blink 3 times for the unit code. Wait until the yellow led blinks 3 times to indicate the module has left the program mode.

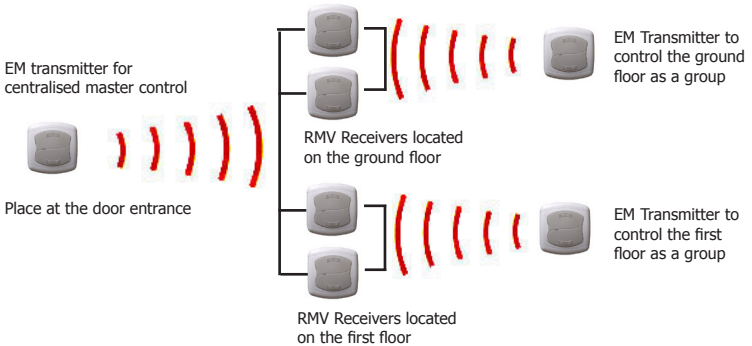
Short press on the ON button, receivers with the same address will power on or open (when used with shutter).

Short press on the OFF button, receivers with the same address will power off or close (when used with shutter).

Dimmer/Position function:

1. Hold the ON or OFF button pressed to dim or bright.
2. Press the UP or DOWN button shortly to place in position the shutter.

Zone function: Installation diagram for centralized shutter control. (RMV receiver)



Tips - Knowledge base available on www.ebodeelectronics.eu.

Receivers do not respond to wall switch command?

- Check and/or change the battery if necessary.
- Check the radio signals transceiver RPT, RMA, RMV, TM13 or SC28 security console is powered on.

CE DECLARATION OF CONFORMITY

We, BMB Electronics BV, Kortakker 10 – 4264 AE Veen – The Netherlands, herewith declare that the following designated product EM, is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

Product category : general consumer (category 3).

Date: March 2009

Peter Schoon - Product Manager BMB

Device: The use of the symbol indicates that this product may not be treated as household waste. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

Batteries: Do not dispose of used batteries in the household rubbish!
They should be deposited at a collection point for used batteries.



Also available from ebode electronics:

On-Wall Modules

Product	Description
EM	2-position RF wall switch, ideal for retro fit installations to e.g. control blinds, shutter, home cinema screens but also lighting or appliances.
IMRF	Single position RF wall switch, ideal for retro fit installations to e.g. control applications or an inside or outside light.
RMV	Control your shutter, blind or e.g. cinema screen via the front panel keys, or remotely via any ebode / X10 compatible controller.
RMA	Control your appliance, light or e.g. pump via the front panel keys, or remotely via any ebode/X10 compatible controller.
RPA, RPL, RPT	Ideal for retro fit installations, the classic X10 plugin module in a new and stylish jacket. Control your appliance or lamps etc, via any ebode or X10 compatible controller via PLC AND RF!
TPC/ TMML	New stylish RF remote to control any ebode or X10 compatible RF receiver.

In-Wall Modules

Product	Description
EMML	2-position RF in-wall module to install behind any mechanical wall switch. The EMML is battery operated.
RMML	In-wall RF receiver, ideal for any switches lights and appliances up to 300W.
PMML	A package containing both the EMML and the RMML.

Under development

Product	Description
RMP	Update on existing RMV with dry contact output. Ideal to control e.g a motorized gate.
RMSN	In-wall RF receiver without Neutral for light applications including incandescent, halogen, fluorescent, LED (even 0.5W charge).

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www.ebodeelectronics.eu