

KRADIO 800

INSTALLER MANUAL

K & X PANEL KEYPAD RECEIVER WITH 32 BIDIRECTIONAL WIRELESS DEVICES

DESCRIPTION

Kradio800 is a keypad with 2 wired terminal that be configured like input end/or output, and 32 device wireless receiver that be used in K series and X series panels. In this way will be possible have a hybrid alarm system. The connection with panel is the same for all peripheric (keypad, input module, output module etc.)

Characteristics:

- Blu LCD 16x2 characters keypad
- 2 wired terminal the be programmed like input and/or output
- Wireless Digital Transmission FSK
- Transmission on 124 bits AES rolling code
- 32 programmable wireless device (sensors, contact, keyfob etc.)
- Antipening/Antiremoval TAMPER and line bus tamper

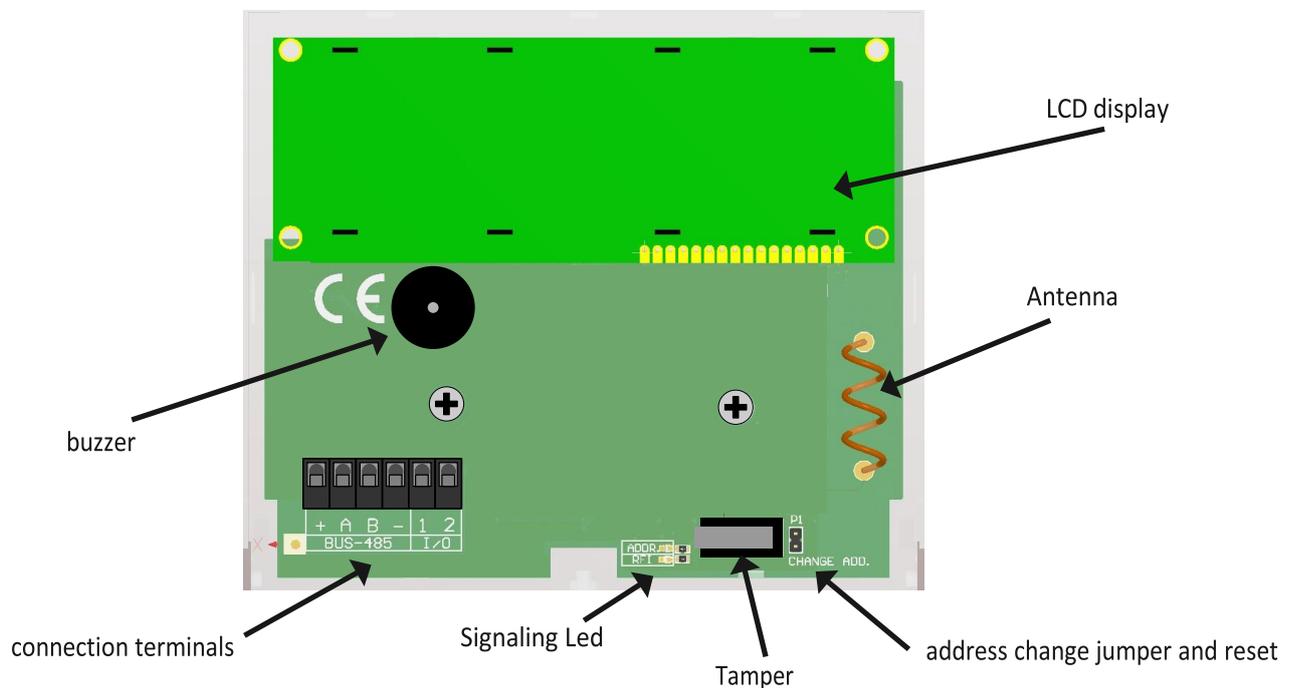
DESCRIPTION OF THE BOARD / LINKS

TERMINALS = + - power supply 13.8V from Panel, A B, teminal of bus RS 485 from Panel

SIGNALING LED: RFI indication of transmission and reception, ADDR Address on bus.

JP1: jumper for change the address bus of wireless receiver

TAMPER: protection for opening and removing



EXPR800 must be connected in to the + - A B terminals in panel, for enabling the board go in peripheral menu from panel. Address setting:

- Section addressing "keyboard". Takes place automatically, if you want to assign a specific address, enter the keyboard (by pressing the keys "canc X" and "V sending menu") and move with the UP or DOWN and change the address in the menu keyboard ID.
- Section addressing of "Radio Receiver"

By connecting a single kradio, the address automatically assigned (factory address, first address) and when enabled (menu Devices / Espans. Radio) the first receiver, the system is active.

In case of using 2 kradio 800, is necessary to set the second address, as follows.

- Before activating the ESP.Radio in the control panel menu, power the keyboard leaving JUMPER (address change / reset) CLOSED - Enable the device in the control panel menu (Esp.Radio). The keyboard will automatically pick the secondo address, being the first is already "busy" by the first expansion Radio.

To verify the address pay attention to the LED **ADDR** (1= short flash address 1, 2 short flash address 2.....)

Reset hardware procedure: it's possible reset the board directly from panel menu, but is possible reset direct on board:

- Turn OFF power and disconnect A & B terminals
- re power with JUMPER (address change / reset) CLOSED, the LED ADDR and RFI start to slow blink alternately
- **close and open jumper**, the led combination start to increase the alternately blink, when they stop and remain on, only led ADDR. The board is reset.

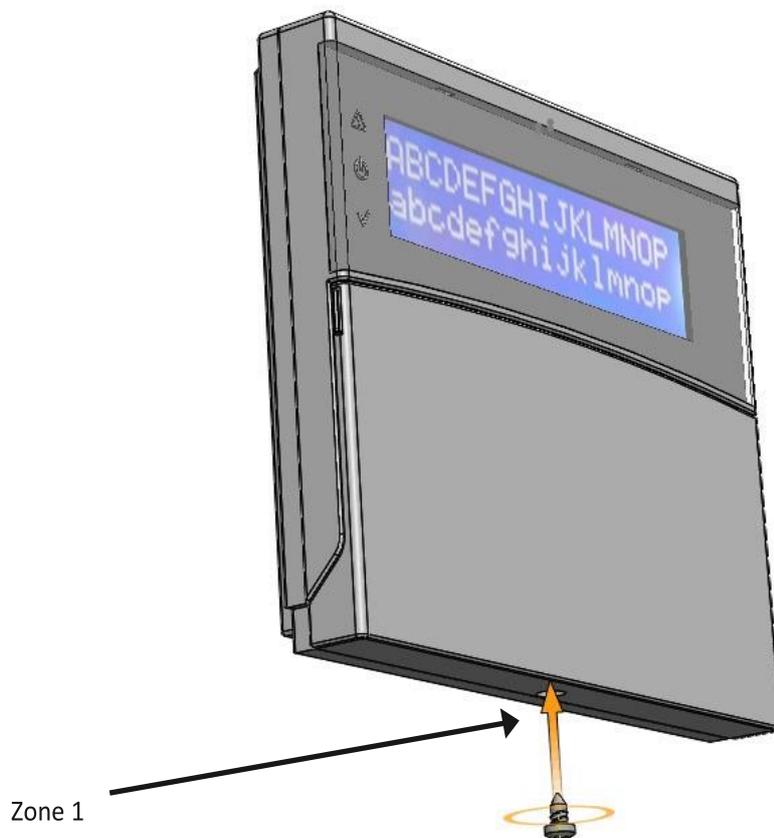
Keyboard adjustments.

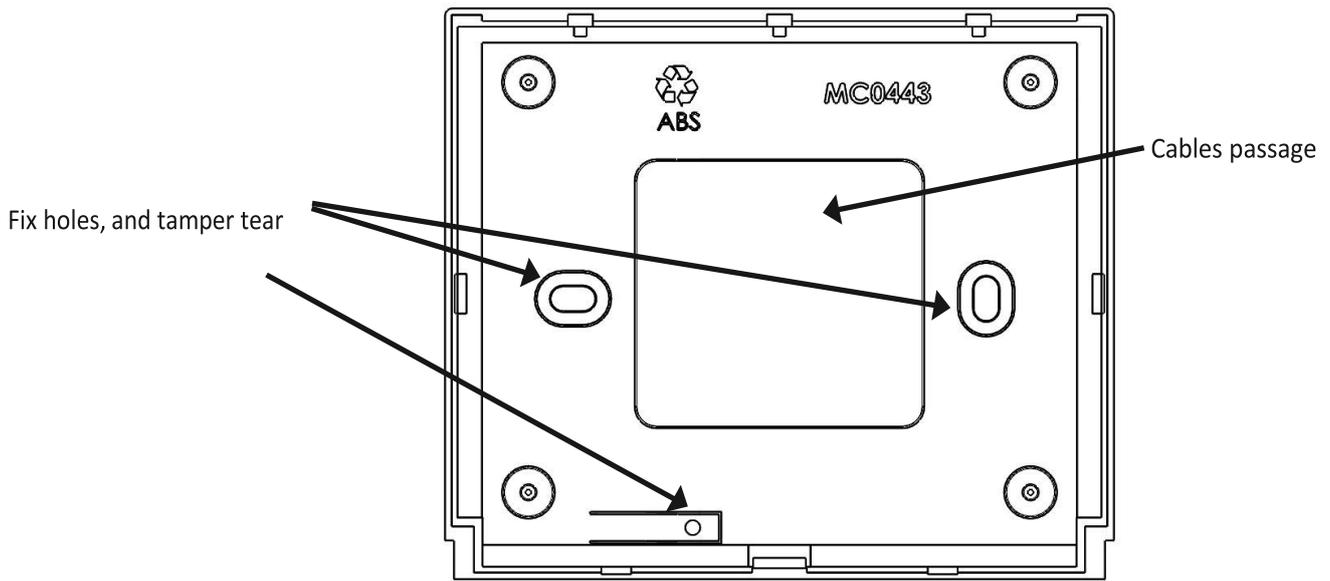
To access the menu of the parameter settings of the Keyboard, simultaneously touch the "X" and "V": Use the UP and DOWN arrow keys to scroll through the:

- Keyboard ID: With the Right and Left arrow keys, set a value and confirm with enter V.
- Display Brightness duration : With the Right and Left arrow keys, set a value and confirm with enter V.
- Language selection: With the Right and Left arrow keys, select language and confirm with enter V. (available: ENGLISH – ITALIAN) - Tamper protection enable/disable : With the Right and Left arrow keys, set a value and confirm with enter V.

Fix the bottom of the plastic box to the desired position, with 5mm. fisher. Route the cables into the bore, fix the board, close the plastic box and check if is the TAMPER blade is closed.

To open the plastic box, remove the screw on the underside and with the flip closed, a slight pressure with a screwdriver (zone 1) to open the cover.





Measures	L135 H115 P25 mm
Power volatge	13.8 Vcc
Consumption	43mA
Maximum consumption	112mA
Antiremoval/Antiopening	SI - YES
Working Frequency	868.3 MHz
Environmental Conditions	da +0°C a +40°C

The installation must be done from specialized people.

The manufacturer declines each responsibility if the product is tampered from not authorized people.

It's suggested to verify the correct operations of the system at least one time for month. However a reliable alarm system doesn't avoid intrusions, robbery, fire or other, but it reduces the possibility that these situations happen.