



## ROCK RF METAL

**Wireless keypad 433 Mhz (23105199)**

**Wireless keypad 868 Mhz (23105202)**

## ROCK RF PLUS

**Wireless keypad (23105194)**

Technical Characteristics	
Power supply	2XCR2032 (6V)
Encoding	Rolling code 72 bit
Channels/Codes	2/800
Frequency	433.920 Mhz / 868.350 MHz
Working Temperature	-20°C +60°C
Warehousing Temperature	-30°C +80°C
Dimensions	84x74x37
Humidity	from 5% to 90% no condensation



### QUICK START

Example of Quick programming  
code 4591:

0 < 9999 > 1  
< < 4591 >

Wait until the LEDs are off

4591 code test >

### 1) Product description

The keypads, according to initial settings, can transmit as fixed code or Rolling code multiple SEA protocols (see parag. 2.1).

The estimated transmission range is 80 m in open spaces and 50 m indoor.

The units are designed to ensure battery life equivalent to an estimated of 2 years of operation considering 10 transmissions/day. However, it is recommended to replace it every 12 months to ensure optimal performance, especially in locations subject to high temperature ranges.

### Audible signal

### Status

1 bip	Button pressure
1 bip of 2 sec.	Entry into programming mode
1 bip of 1 sec.	Entry into submenu
5 bip of 0.5 sec.	Error during combination input or combined edit operation
Multitone high	Valide code
Multitone low	Wrong code

### 2) Installation

Before physically installing the keypad in its mounting position, set the keypad in desired transmission mode, fixed code or Rolling Code Plus code. It is good practice to perform a practical test to assess its functionality and effective range. Consider that range may be up to 25 or 30% less when battery is low or in the presence of metal structures. The keypad should be learned by the memory of a receiver compatible like a standard transmitter, pressing the control buttons. For more details refer to the manual of the used receiver.

#### 2.1) Transmission mode setting

When turning on, press and hold the buttons 1 and 3 for Rolling Code Plus setting, or press the buttons 4 and 6 for fixed code setting (HT12).

#### 2.2) Positioning

The unit should not be positioned in contact with metal structures, which could otherwise exert a signal shielding effect.

Thanks to the box protection rating of IP 54, the digital keypads can be installed on the outside if required. However, it is preferable, where possible, to protect them from rain.

### 3) Method of use

The use of the keypad is based on "combinations", i.e. numbers of, from 1 to 5 digits, that the user is required to key in by means of the keys. Once the combination has been entered the user then presses the confirm key < if you need to transmit channel 1, or confirm key > if you need to transmit channel 2:

- Channel 1 if the user presses <
- Channel 2 if the user presses >

The command will be transmitted only when a valid combination has been entered

- if the entered combination is wrong the selector will emit an error warning signal when the confirm key is pressed. The combination entered must be exact, if for example, the combination is 0422, the following attempts will be interpreted as errors: 422, 10422, 04222. Therefore, if the user inadvertently presses the wrong key when entering a combination, combination key < or > should be pressed immediately to generate the error tone, after which the correct combination can be entered starting from the beginning again.

While entering the combination no more than 6 seconds can be allowed to elapse between keystrokes, otherwise the combination must be re-entered starting from the beginning.

The keypad is programmed at the factory with a MASTER code to activate the programming procedure.

- MASTER CODE = 0 < 9999 >

### KEYPAD PROGRAMMING

- To enter into programming mode you must enter the MASTER code: 0 < 9999 >

This code (factory setting) can be changed (see submenu 6).

You will hear a long beep (2 sec.) and the LED will flash to confirm the entry into the programming menu. If you do not select any button within 20 seconds, the keypad will automatically exit this state. At this point, select one of the submenus below to access the various functions.



### 1. Menu program / delete codes (select button 1)

To store a user code (max 800) enter:  $\leftarrow \leftarrow$  code (from 2 to 5 digits), digit right arrow  $\rightarrow$  for channel 2 or digit left arrow for channel 1.  
Example, to set the user code 12345 on the channel 2 digit:  $\leftarrow \leftarrow$  12345  $\rightarrow$

To delete a user code enter:  $\rightarrow \rightarrow$  code  $\rightarrow$

Example to delete the user code 12345:  $\rightarrow \rightarrow$  12345  $\rightarrow$

The user code will be deleted on both channel.

**Note:** Attempting to insert a code which is already present already will be reported as an error (5 beeps)

### 2. Backlight menu (press button 2)

$\leftarrow \leftarrow$  +1+  $\rightarrow$  Set backlight timeout to 10 sec after last button pressure;

$\leftarrow \leftarrow$  +2+  $\rightarrow$  Backlight off (turned on only during programming and flashing with valid code);

### 3. Passepertout Menu (select button 3)

With this function set, just press the  $\leftarrow$  button to turn the radio transmission on channel 1

And press the  $\rightarrow$  button to turn the radio transmission on channel 2, without having to enter the code;

$\leftarrow \leftarrow$  +1+  $\rightarrow$  Function on

$\leftarrow \leftarrow$  +0+  $\rightarrow$  Function off

### 4. Buzzer management Menu (press button 4)

$\leftarrow \leftarrow$  +1+  $\rightarrow$  Buzzer on;

$\leftarrow \leftarrow$  +0+  $\rightarrow$  Buzzer off.

### 5. Reset memory Menu (press button 8)

To confirm enter  $\leftarrow \leftarrow$  8  $\rightarrow$

### 6. MASTER code modification Menu (press button 9)

To modify the MASTER code enter:  $\leftarrow \leftarrow$  Master code (4 digits)  $\rightarrow$

Example to set a MASTER Code 8888:  $\leftarrow \leftarrow$  8888  $\rightarrow$

**Note:** it is possible to exit the programming menu at any time by pressing 0 or waiting for the timeout of 20 seconds from the last use of the button.

### 7. Programming on OPEN

When set as Rolling Code Plus, the keypad can be coded and written with the software SP40-V2, as for a normal Rolling Code Plus transmitter.

(See Fig.1 for programming with SP40-V2 and OPEN PLUS).

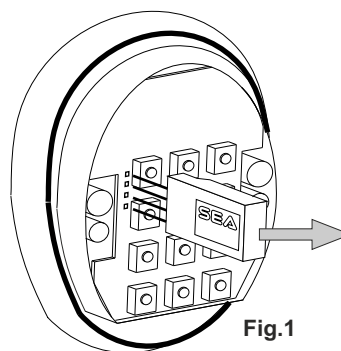


Fig.1

**Programming connector:** For more information refer to the Open manual.

### GENERAL NOTICE FOR THE INSTALLER AND THE USER

1. Read carefully these **Instructions** before beginning to install the product. Store these instructions for future reference

2. Don't waste product packaging materials and /or circuits.

3. This product was designed and built strictly for the use indicated in this documentation. Any other use, not expressly indicated here, could compromise the good condition/operation of the product and/or be a source of danger. SEA S.p.A. declines all liability caused by improper use or different use in respect to the intended one.

4. The mechanical parts must be comply with Directives: Machine Regulation 2006/42/CE and following adjustments), Low Tension (2006/95/CE), electromagnetic Consistency (2004/108/CE) Installation must be done respecting Directives: EN12453 and En12445.

5. Do not install the equipment in an explosive atmosphere.

6. SEA S.p.A. is not responsible for failure to observe Good Techniques in the construction of the locking elements to motorize, or for any deformation that may occur during use.

7. Before attempting any job on the system, cut out electrical power and disconnect the batteries. Be sure that the earthing system is perfectly constructed, and connect it metal parts of the lock.

8. Use of the indicator-light is recommended for every system, as well as a warning sign well-fixed to the frame structure.

9. SEA S.p.A. declines all liability as concerns the automated system's security and efficiency, if components used, are not produced by SEAS.p.A..

10. For maintenance, strictly use original parts by SEA.

11. Do not modify in any way the components of the automated system.

12. The installer shall supply all information concerning system's manual functioning in case of emergency, and shall hand over to the user the warnings handbook supplied with the product.

13. Do not allow children or adults to stay near the product while it is operating. The application cannot be used by children, by people with reduced physical, mental or sensorial capacity, or by people without experience or necessary training. Keep remote controls or other pulse generators away from children, to prevent involuntary activation of the system.

14. Transit through the leaves is allowed only when the gate is fully open.

15. The User must not attempt to repair or to take direct action on the system and must solely contact qualified SEA personnel or SEA service centers. User can apply only the manual function of emergency.

16. The power cables maximum length between the central engine and motors should not be greater than 10 m. Use cables with 2,5 mm<sup>2</sup> section. Use double insulation cable (cable sheath) to the immediate vicinity of the terminals, in particular for the 230V cable. Keep an adequate distance (at least 2.5 mm in air), between the conductors in low voltage (230V) and the conductors in low voltage safety (SELV) or use an appropriate sheath that provides extra insulation having a thickness of 1 mm.