CDVI SEL2641R433-RC Bluetooth Controlled Radio Receiver Instruction Manual

Instruction Manual

Contents

Introduction

Fig.1

RX CUBE – Bluetooth-controlled radio receiver

The receiver ERONE “Cube” is a superheterodyne radio receiver operating at 433,92 MHz in AM/ASK demodulation.

It is compatible with the full range of remote controls Erone that use the Keeloq® Hopping code security protocol.

This receiver can be programmed only via Bluetooth using the set-up and control that can be done only using the app: “RX Cube” on a Smartphone (iOS or Android).

Power supply 12-24 Vac/dc autodetect.

The equipment is manufactured in compliance with the provisions of European Directive 2014/30/EU, 2014/35/EU, 2014/53/EU, and the provisions of the standard EN 62368-1.

Part-name	**F-code**	**Description**
SEL2641R433-RC	F1001000105	RECEIVER CUBE BT 12/24V

Technical Specifications

Receiver type…….. Superheterodyne
Operating frequency …….. 433,92 MHz – AM/ASK
Input sensitivity ……. -103 dBm
Input load: …… 50 Ohm
Power supply: …… 12 – 24 Vac/dc (autodetect)
Consumption max:…… 78 mA @12Vac
Peak consumption …… 500 mA at power up
Max switching power: …… 1 A @ 24V (max 60 V)
Relay number: …….. 1
Operating modes: …… Pulse / Latch / Timed
Release time (Timed mode): ……. from 1 sec. to 23h.59m:59s
Contacts: ……. C-NO-NC
Memory capacity: …… 250 user codes
TX security code: …….. KeeLoq® Hopping code
Max code combination number: ….. 264
Operating temperature: …… -20°/+65°C
Housing protection: ……. IP2X
Overall dimensions: …… 50 x 32 x 20 mm
Communication with w/mobile phone: … Bluetooth
Standard: …….. BLE 4.2
IO : Compatibility: ……. Android, iOS
Release Android: ……. 5.1 and next

Release iOS: …….. 10 and next

Bluetooth®

Download on the App Store

GET IT ON Google play

Dimensions

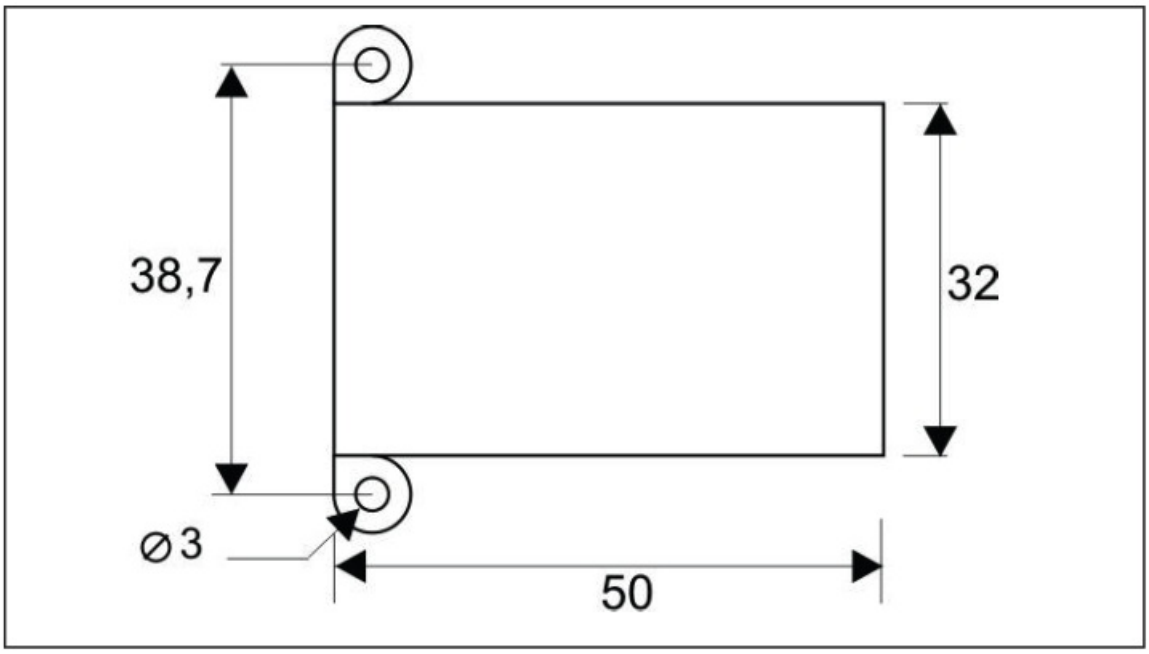


Fig.2

Warnings

The receiver allocation is very important for the best operation of the system. Place the receiver far from interference sources such as big magnetic fields or radio emissions. The distance between the 2 receivers must be at least 1,5 m.
– The equipment must be powered from a device that provides a safe extra low voltage (SELV) type LPS (Low Power Source);

– There must be a suitable disconnecting device to the current drawn by the receiver (90 mA max @ 12Vdc).

Wiring

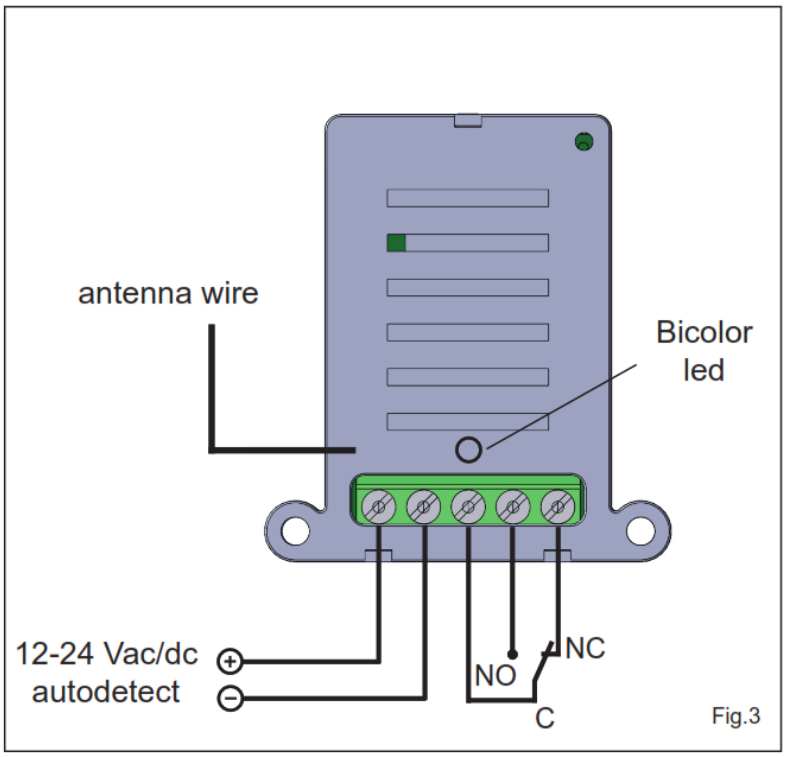


Fig.3

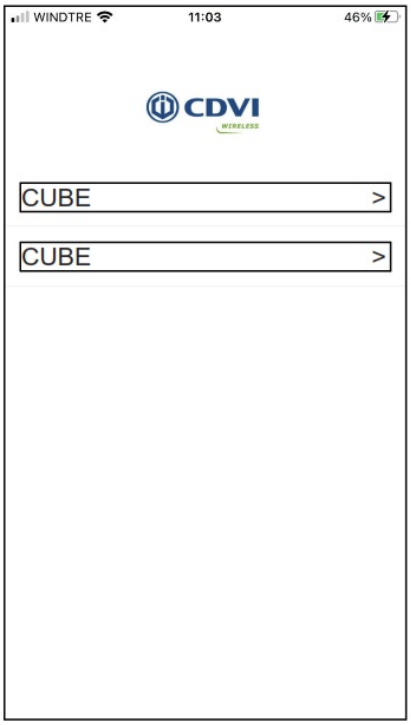
Compatible transmitters

Erone – S2TR2641E2-E4-E2M
Erone – SETR2641AM1, SETR2641AM2
Erone – S3TR2641T1-T2-T4
Erone – S4TR2641E1-E2-E4
Erone – SETR2641TM
Erone – S7TR2641E4
Erone – FKT2641E1 – FKTHS2641E1- TTH2641E1
Erone – S4TR2641E1-E2-E4
CDVI – GALEOR

Color LED	**Description**
Green	Power ON NO Bluetooth communication
Green-Orange blinking	Bluetooth communication in progress
Orange	Relay excited

The App “RX CUBE”

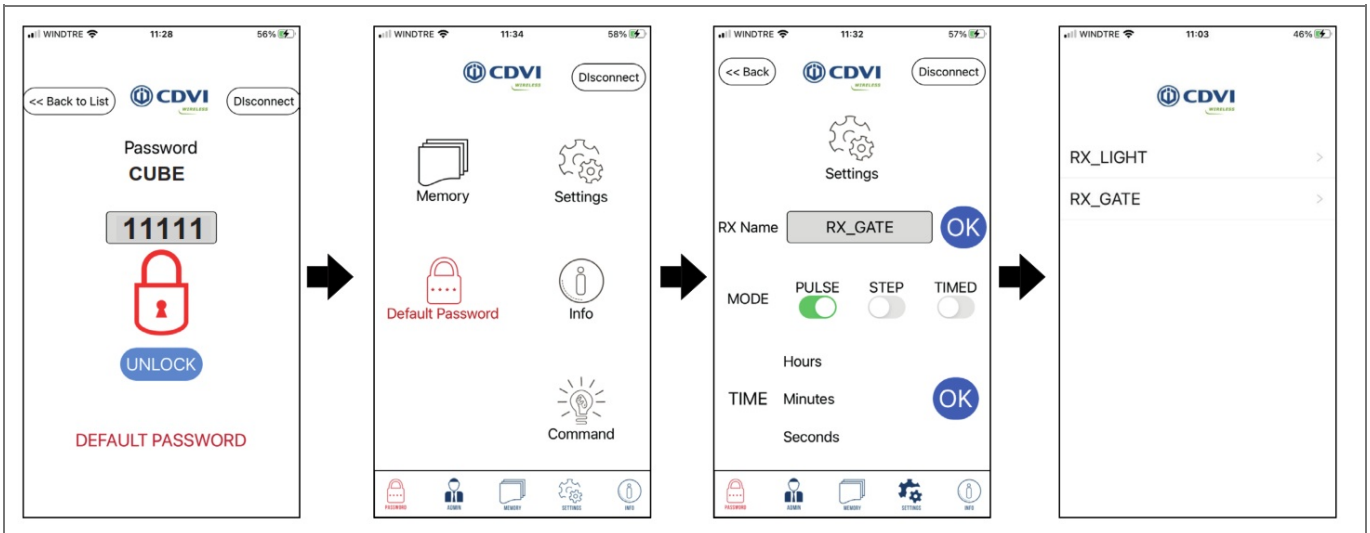
The setup of the receiver can be done only through the App “Rx Cube”. So, first of all, download the App from “Apple Store” or “Google Play”. You can find it both by typing the name of the App, “RX Cube”, or searching simply CDVI and then selecting Rx Cube. Once downloaded, authorize the App to use Bluetooth communication. The App will ask even the GPS localization: please authorize it for the full operating of the Bluetooth BLE.



Start the App and press the scan button: the App begins scanning the surroundings searching for any Rx Cube running in the range of the Bluetooth signal (10 — 30 m). much depends on the fixing position of the receiver and whether the communication is direct or passes through walls. At the end of the scanning, the screen will show all the receiver's Rx Cube found.

The receiver, by the factory, comes with the name "CUBE". If you power two or more receivers simultaneously, the scanning will list many receivers all identical: it is advisable to power one device at a time and possibly renames it individually. The name of the device can have up to 12 characters.

7.0 Changing the factory name of the receiver



Type the default password 11111 (for administrator), Click UNLOCK, and enter into the main menu	Select Settings	Type the new name, give OK, then discon- next and make a new scanning.	The App will display the n ew name of the receivers

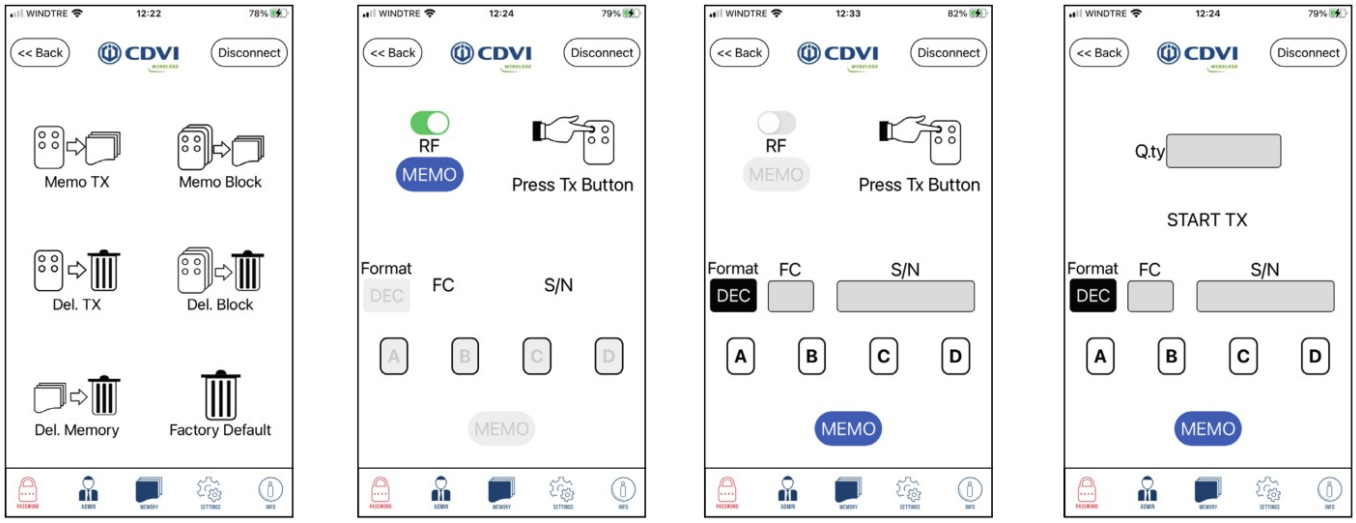
7.1 Password

The access to the receiver has 2 different security levels: ADMINISTRATOR and INSTALLER.
Factory password for **ADMINISTRATOR = 11111.**

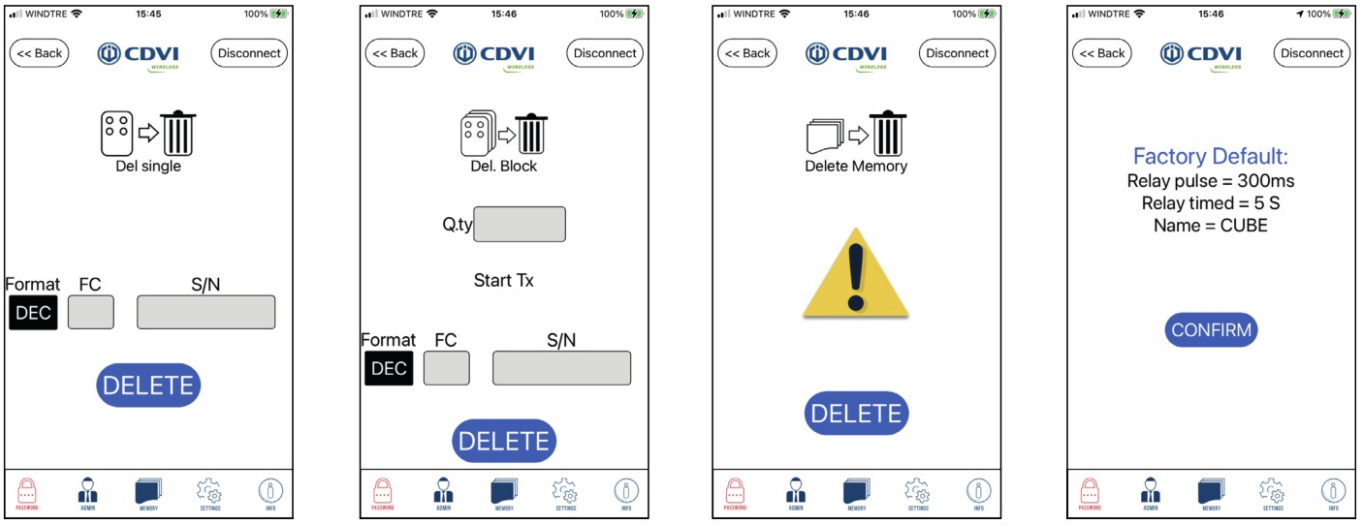
Factory password for **INSTALLER = 00000**
Both can make all the settings. Only the Administrator can change the passwords, the Installer is not authorized

Memory

Enter the submenu Memory to manage the receiver memory: add or delete transmitters individually, add or delete a batch of transmitters, delete all the transmitters, and restore the memory to factory settings

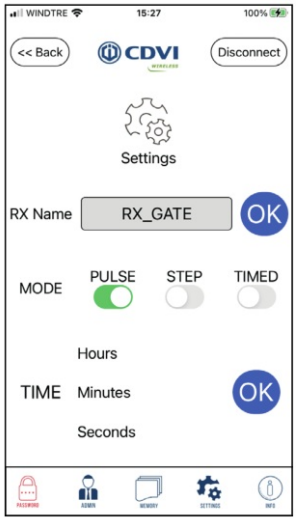


8.1 Memorizing transmitters
8.1.1 Individually (fig. 3)
The memorization can be done directly, pressing the button of the transmitter to store or specifying its S/N and Facility code. In this case, you must specify the button/s authorized (you can store up to 4 buttons).
8.1.2 In one block (fig. 4)
Specify the number of transmitters of the block, the detail of the first transmitter (S/N and Facility code), and the buttons to enable (A, B, C, or D).
NOTE: The button Format allows to display of the numbers in **DECIMAL or HEXADECIMAL** format

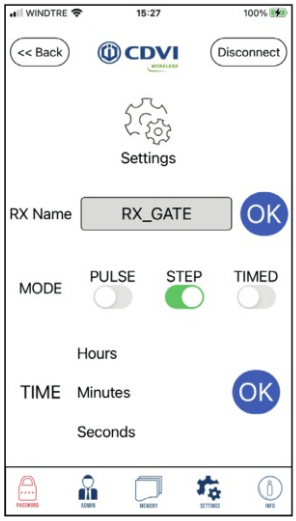


8.2 Delete transmitters
8.2.1 Individually
Enter the S/N and Facility code of the transmitter to delete and press DELETE
8.2.2 In one block
Specify the number of transmitters of the block, enter the S/N and Facility code of the first TX and press DELETE
8.2.3 Delete memory
Press DELETE to delete all the transmitters memorized
8.2.4 Factory Default
This option allows for the deletion of all the transmitters and resets the settings to the factory defaults: pulse mode, time of the timed mode (5 sec.), and name of the receiver (CUBE).
Settings

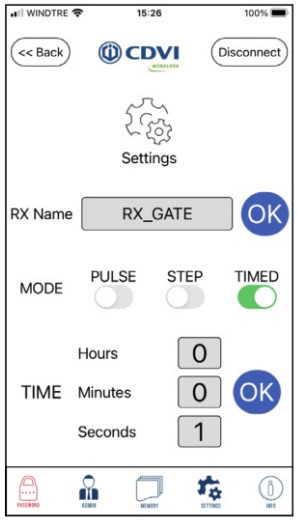
Clicking on Settings it is possible to set the relay operating mode: PULSE, STEP, TIMED. In pulse mode, the relay remains activated for the entire duration of the radio transmission with a min. time of 300 mS. For the Timed mode, it is possible to set the release time of the relay from 1 sec. to 23h : 59m : 59s



Pulse mode



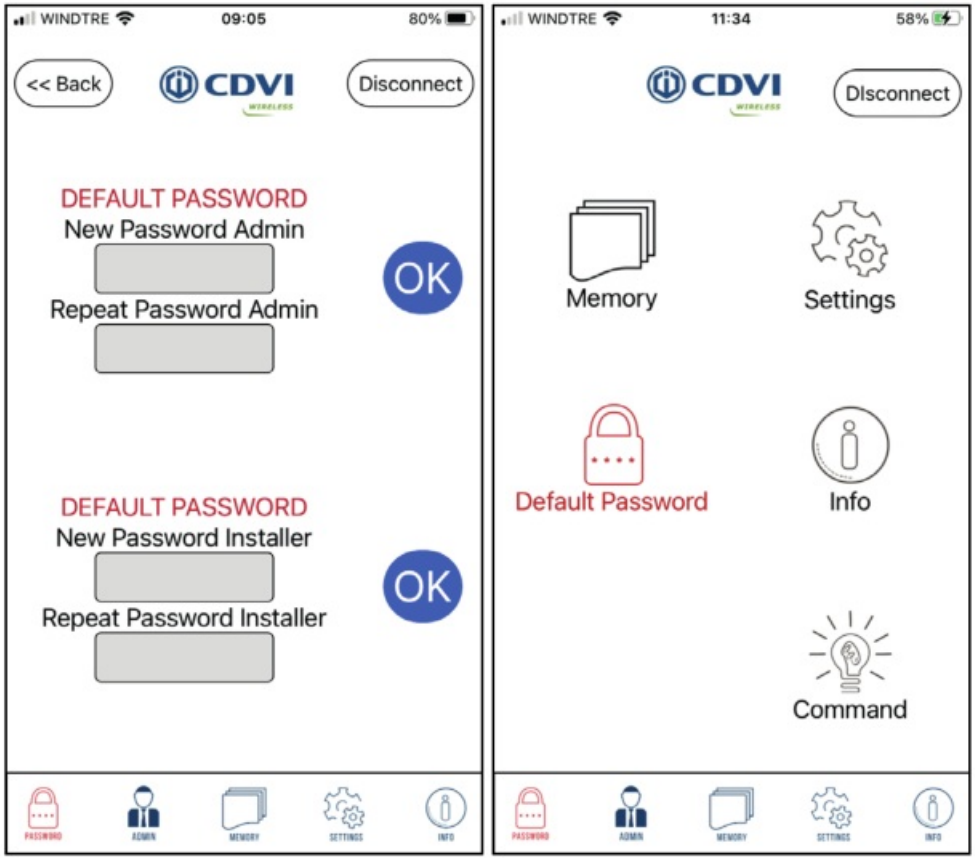
Step mode



Timed mode

Password

The password can be changed by selecting the icon Password on the mail screen.
Only the ADMINISTRATOR is authorized to change the password.
The password set-in-factory are:
• Administrator: 11111
• Installer: 00000
The password is composed of max 5 numeric digits (min 1)
A red message appears if the password is still the factory password.
NOTE: The icon PASSWORD, in the main menu, is RED when at least one of the two passwords is still at the factory value



Info

The icon INFO of the main screen allows displaying the features of the receiver: number of TX memorized, revision of the Firmware, and release of the App.

It is possible to list the transmitters memorized: press

List.> The screen displays only 5-6 lines of the list. Scroll the list by tapping the center of the screen.

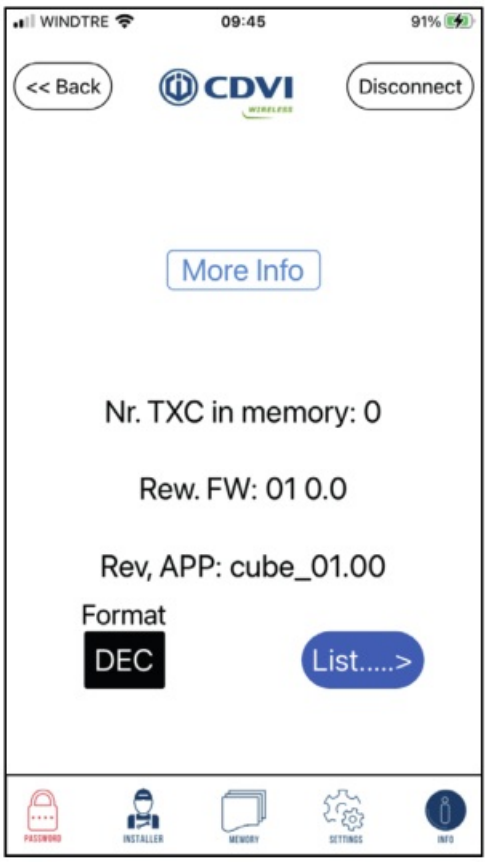
The Serial number of the transmitters can be displayed in Decimal or Hexadecimal format.

If you select one line, you display the information of a specific transmitter.

For each transmitter, it is displayed the FC + S/N and the button active (A, B, C, or D).

For changing this setting, press one of the 4 buttons and push CHANGE.

From this screen is also possible to DELETE the TX from the memory.

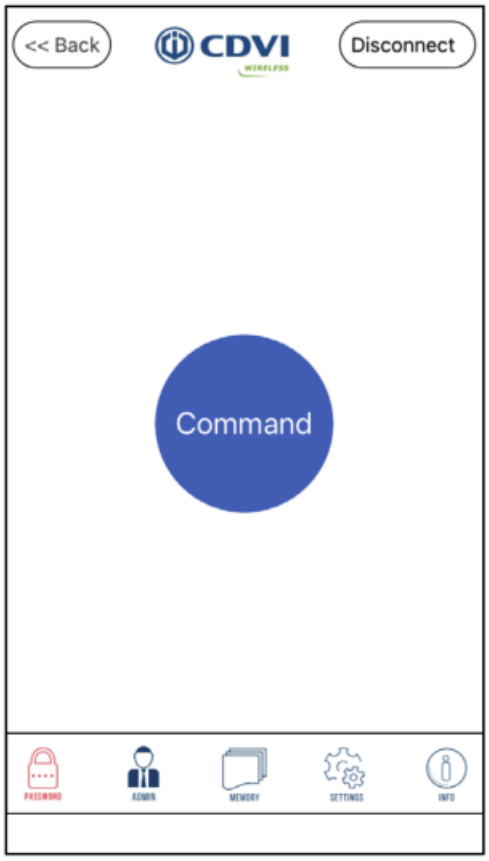


Command

It is possible to activate directly the relay from the App.

Enter the icon “Command” and press the button.

The symbol becomes RED confirming the relay activation.



ERONE
THE SMART LIVING

CDVI
Security to Access

CDVI AMERICAS
[CANADA – USA – LATIN AMERICA]
www.cdvi.ca
CDVI BENELUX
[BELGIUM – NETHERLAND – LUXEMBOURG]
www.cdvibenelux.com
CDVI FRANCE
www.cdvi.com

CDVI UK
[UNITED KINGDOM – IRELAND – SOUTH AFRICA]
www.cdvi.co.uk
CDVI WIRELESS
www.erone.com

 Reference manual:
CDVI_CUBE_IM_01_EN_A4_CMYK.pdf – Printed in Italy – Apr 2021
www.erone.com

Manufactured by: CDVI Wireless SPA
Via Piave, 23 – 31020 S.Pietro di Feletto (TV) – Italy
Tel: +39-0438-450860 – mail: info@erone.com – web:www.erone.com

Documents / Resources

	CDVI SEL2641R433-RC Bluetooth Controlled Radio Receiver [pdf] Instruction Manual SEL2641R433-RC Bluetooth Controlled Radio Receiver, SEL2641R433-RC, Bluetooth Controlled Radio Receiver, Radio Receiver, Receiver

References

- CDVI Group
- CDVI Americas – access control system manufacturer
- CDVI | Security to Access
- Access Control Solutions Manufacturer - CDVI UK
- CDVI | Security to Access
- CDVI Polska - Systemy Kontroli Dostępu, Elektrozaczepy, Czytniki | Security To Access
- Controllo Accessi e Sistemi di Sicurezza | CDVI Italia
- cdvi.ma
- CDVI | Security to Access
- Fabrikant van toegangscontrole oplossingen - CDVI Benelux
- CDVI Ibérica | Security to access
- Erone |