CDVI

Security to Access

INSTALLERCUBE

USERCUBE

CUBE POWER

Bluetooth Stand-Alone 1-Relay Wireless Receiver

RoHS

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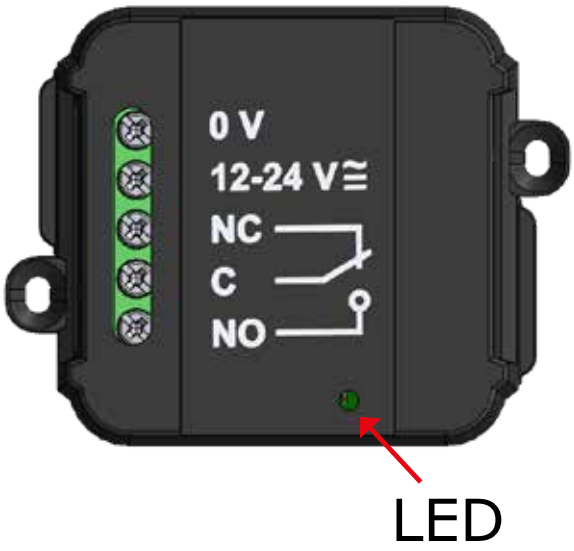
2] PRODUCT PRESENTATION

Technical Features

	CUBEPOWER
Receiver Type	Superheterodyne
Memory Capacity	250 transmitter buttons, 100 smartphones
Security Protocol	KeeLoq® Hopping Code
Technology	Bluetooth
Security Level	AES128-bit encryption (with smartphone)
Operating Modes	Pulse, latch, timed
Time Delay	from 1sec to 23h 59min 59sec
Code Combinations	2^{64}
Dimensions	1.7 x 2.3 x 1 inches
Relays	1 x C/NO/NC
Power Supply	12/24V AC/DC (autodetect)
Consumption	120mA @ 12V AC (max)
Contact Rating	1A @ 30V DC (NO), 6A @ 30V DC (NC)

Wiring



LED Indication

- Steady GREEN = Power ON
- Blinking GREEN & ORANGE = Bluetooth communication in progress
- Steady ORANGE = Relay triggered

3] CONFIGURATION (INSTALLERCUBE AND USER CUBE APP)

You can activate a CUBE POWER relay in two different ways:

Transmitter Buttons
(Up to 250 can be added)

and/or

Smartphone
(Up to 100 can be added)

The entire line of Radium and Erone transmitters are compatible with the CUBE POWER receiver.

For both methods, you will need the ***"INSTALLER CUBE"*** app to configure the relay and add standard transmitters or smartphones into the CUBE POWER receiver.

Download INSTALLER CUBE Application

INSTALLERCUBE

Once downloaded, authorize the app to use Bluetooth communication and the GPS localization. This is necessary for the full operation of the Bluetooth function.

Download InstallerCUBE

Download on the App Store — *iOS 13 and above*

GET IT ON Google Play — *Android 6.0 and above*

INSTALLERCUBE Account Creation

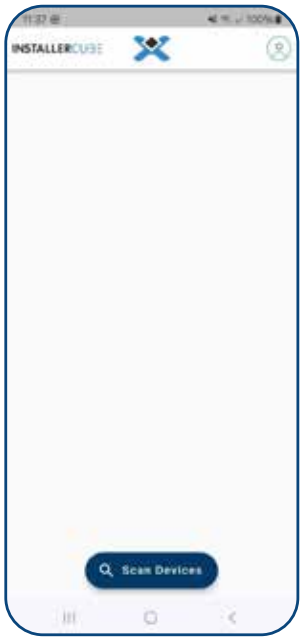
Once ***"INSTALLER CUBE"*** is installed, start the application by pressing its icon.

The first step is to create your account:

Click on ***"Create an account"***.

Complete the form then click ***"Sign up"***.
A verification email will be sent to you.
Click on the link to validate your account.

Once verified,
you can start using the app.

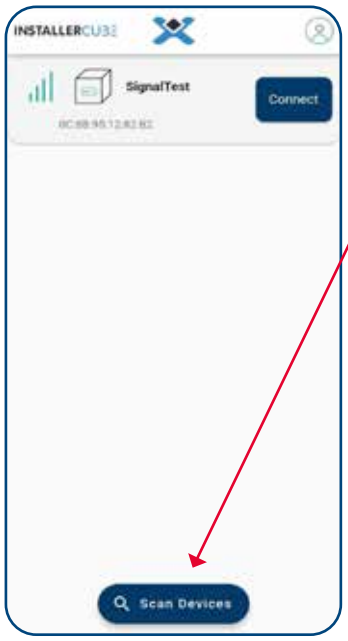


INSTALLER CUBE app passwords are saved locally on your phone. In the event of a phone replacement, the installer will have to re-enter the password into the app once the device is configured.

The INSTALLER CUBE app saves backups, user invitations, and mobile credentials for ALL your CUBE receivers on the cloud.

INSTALLERCUBE

Connecting to the CUBE POWER



Tap ***"Scan Devices"*** to find CUBE receivers within your Bluetooth range, up to 100 feet (30 meters) between your smartphone and CUBE receiver.

In the list of CUBE receivers that is displayed, tap ***"Connect"*** on the CUBE receiver you want to connect to.

Bluetooth communication is "One-to-One". If someone else is already connected to a receiver, it will not appear in the list for you to connect to it.

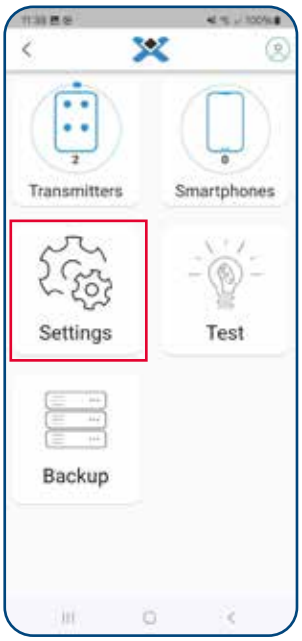
The receiver name is "CUBE" by default. Once connected, you will be able to change the receiver name (up to 12 characters) in the "Settings" section.

Default Passwords

User rights	Default passwords
Administrators (Full rights)	11111
Installers (cannot set password)	00000

It is highly recomended to change the passwords after the first access to the device.

To change passwords, go to the main menu and click on ***"Settings"***.



Scroll down to ***"Password"*** and click the little green arrow on the side.

Only the "Administrator" has the right to set and modify passwords.

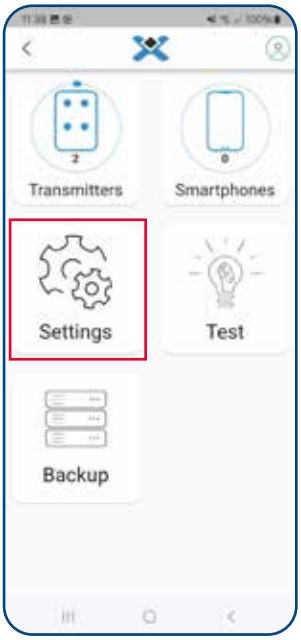
Passwords can be up to 10 alphanumeric characters.

Also, you can change the name of each password type as needed.

INSTALLERCUBE

Relay Settings

Go to the main menu and click on ***"Settings"***.



Click the little green arrow on the side of ***"Device"***.

Device name: Set the name of the CUBEPOWER receiver. up to 12 alphanumeric characters maximum (spaces not allowed).

Relay: Set the operational mode of the relay:

- **Pulse:** A pulse activation will activate the relay "On" and "Off" rapidly (300 ms).
- **Latch:** A latch activation will toggle the relay "On" and "Off" each time a button a pressed.
- **Timed:** A timed activation will activate the relay according to the time set in Hours, Minutes and Seconds (from 1s to 23h 59m 59s max). If you press the button during the relay activation time, it will deactivate the relay.
- **Radio range:** You can adjust the radio range of the receiver from 1% to 100%. This distance only applies to standard transmitters. See table below for distance.

*Radio Range Table **

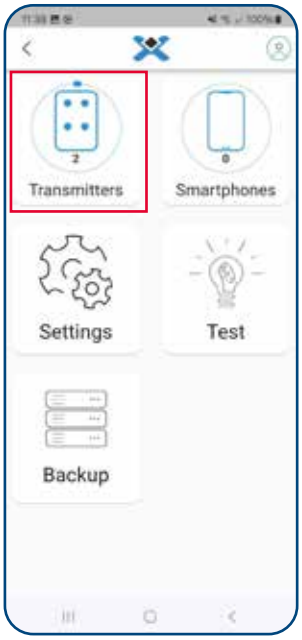
%	1	30	40	50	70	80	90	100
Approx. distance* (m)	5 ft (1.5)	16 ft (5)	26 ft (8)	65 ft (20)	115 ft (35)	230 ft (70)	492 ft (150)	656 ft (200)

* The range of the radio signal depends on the location of the receiver and whether the signal is in line of sight or passes through walls. Therefore, it is possible that two receivers with the same radio range percentage value may have a slight difference in actual radio range.

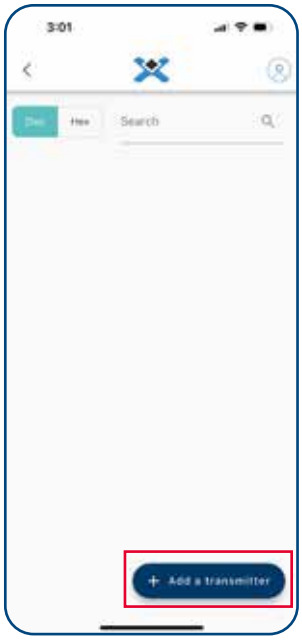
INSTALLERCUBE

Add Transmitter in "Fast Pairing" Mode

From the main menu, click on ***"Transmitters"***.

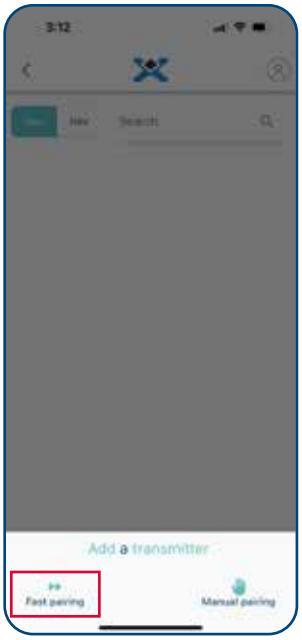


Click on ***"Add a transmitter"*** which is located in the lower right corner of the screen.

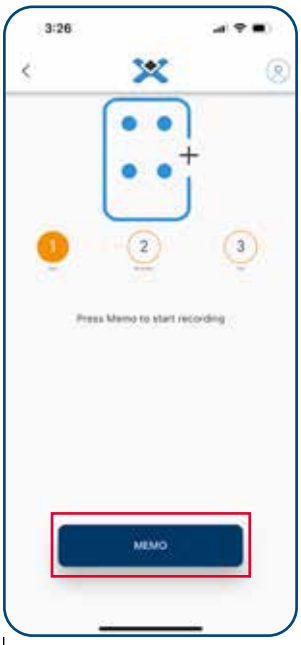


"Fast Pairing" is the quickest way to register a transmitter.

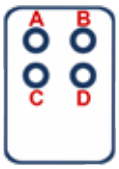
Click on ***"Fast pairing"***



Click on ***"MEMO"*** to start adding transmitter buttons.

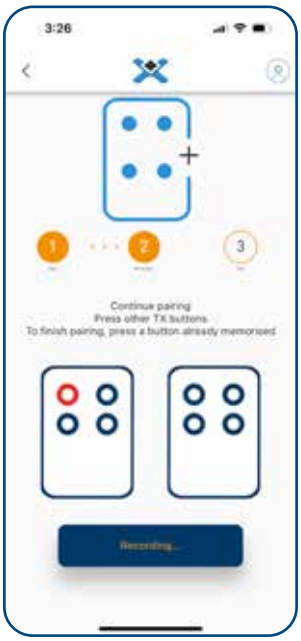


Click on the transmitter button you wish to add.



At this stage you can continue to add more transmitters by clicking on their button.

To stop adding, press the button of a transmitter that has already been paired or wait 30 sec.

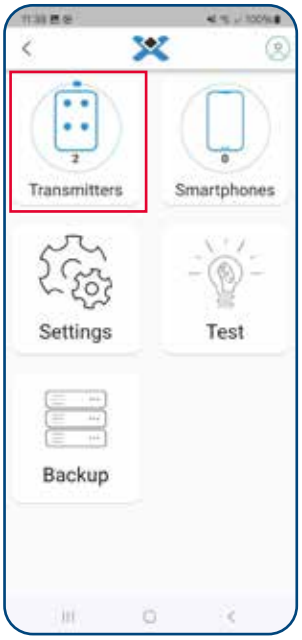


Click on ***"End"*** to complete registration and exit pairing mode.

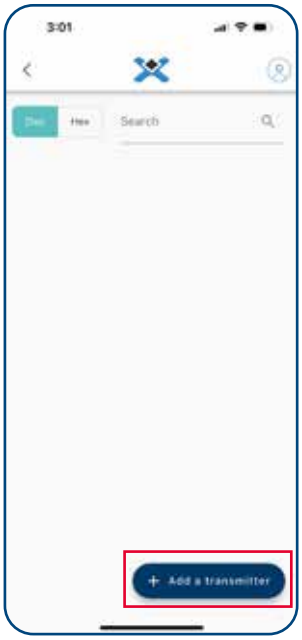
INSTALLERCUBE

Add Transmitters by Batch

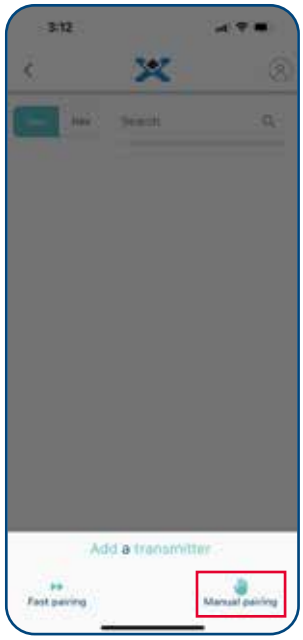
From the main menu, click on ***"Transmitters"***.

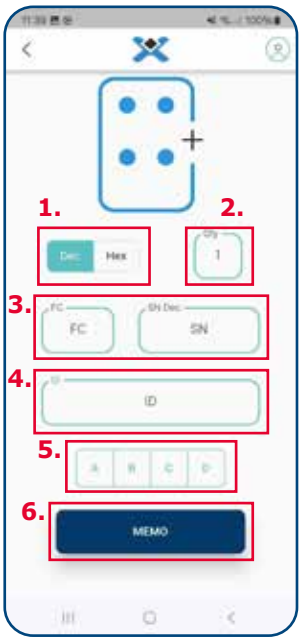


Click on ***"Add a transmitter"*** which is located in the lower right corner of the screen.

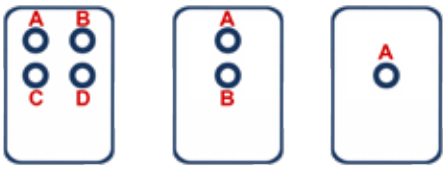


Click on ***"Manual pairing"***





1. Select you batch's number type (Decimal or Hexadecimal).
2. Enter the quantity of transmitters to be added.
3. Enter the number of the first transmitter in the batch.
4. Label the batch (optional).
5. Select which transmitter button will be added to the receiver.



6. Click on ***"MEMO"*** to save your selections.

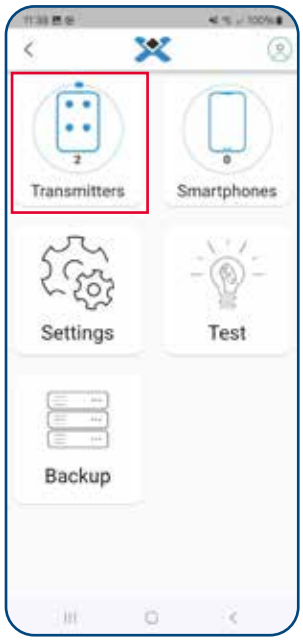
INSTALLERCUBE

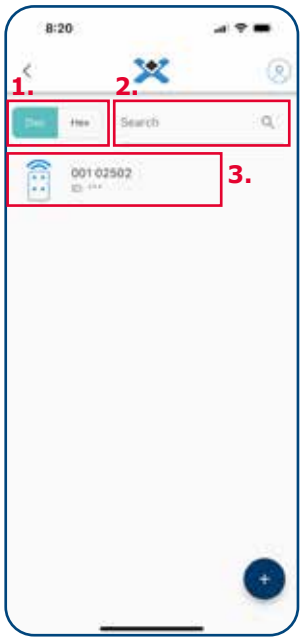
Edit Transmitter User ID

In Transmitters menu, the full list of all transmitters stored on the device appears (up to 250 transmitters can be stored).

Each transmitter is characterized by a facility code and a serial number (printed on the back of the transmitter), the number of active buttons, and an ID. The ID is visible only through the app and it is set by the installer.

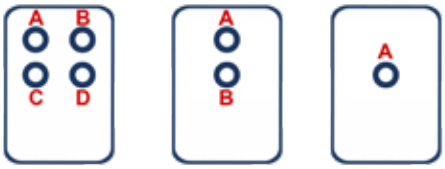
From the main menu, click on ***"Transmitters"***.





1. Select how to view the transmitters, Decimal or Hexadecimal formats.
2. Use the search bar to find transmitters by serial number (printed on the back of the transmitter) or user ID.
3. Press and hold a transmitter from the list to open transmitter properties. If you swipe to the left or right, you will delete the transmitter from the receiver.

1. Enter the transmitter user ID.
   Up to 14 alphanumeric characters (spaces not allowed).
2. Displays which button of the transmitter is active in the CUBEPOWER.



3. Click **"Save"** icon when done.

INSTALLERCUBE

Add Mobile Credentials

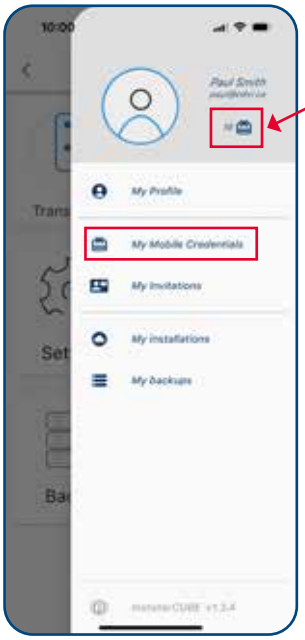
There are 3 mobile credentials included with the ***"INSTALLER CUBE"*** application. Additional mobile credentials can be added by purchasing the CMC10 card, it contains 10 mobile credentials.

Here are the steps on how to add mobile credentials:

From the main menu,
click on ***"Profile Menu"***.
Top right corner of main menu.

The profile menu is accessible only with an internet connection.

To add more mobile credentials,
click on ***"My Mobile Credential"***.



Displays the number of mobile credentials available to issue.

The mobile credentials are stored on the cloud account (not in the Cube Power receiver).

Click on
"+ Add Mobile Credentials".

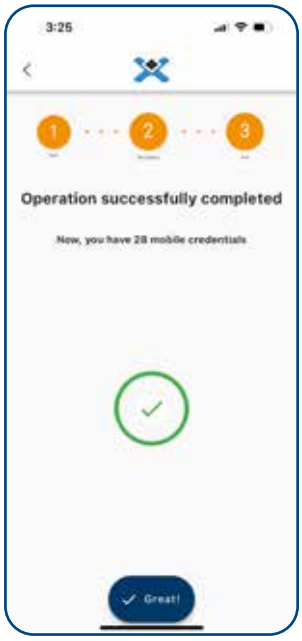
Present the CMC10 card
where the NFC antenna is located
on your smartphone.

Remove the CMC10 card and
click the ***"Insert PIN"*** button
when it appears.

INSTALLERCUBE Add Mobile Credentials (continued)

Type the PIN number located on the back of the CMC10 card. Then click ***"Confirm"***.

A message confirms that you have successfully added 10 mobile credentials to the ***"INSTALLER CUBE"*** application.



USERCUBE Downloading USER CUBE App

USERCUBE

Download UserCUBE

Once downloaded, authorize the app to use Bluetooth communication and the GPS localization. This is necessary for the full operation of the Bluetooth function.

Download on the App Store — *iOS 13 and above*

GET IT ON Google Play — *Android 6.0 and above*

The app is available in the following languages: English, French, Italian, German, Spanish, Portuguese, Swedish, Danish, Norwegian, Finnish and Polish.

Activate your "USER CUBE" App

A smartphone can be used to activate the CUBE POWER receiver relay. To do this, the user must download the ***"USER CUBE"*** app on their smartphone and activate their UserCode.

To activate, send UserCode to the administrator of the CUBE POWER receiver. Using this number, the administrator will create an invitation that will be sent back to the user. To be registered, the user must enter this invitation code in their ***"USER CUBE"*** app.

Once a **"USER CUBE"** is activated, its UserCode can be added to other CUBE POWER receivers without going through the invitation process. The invitation code is only necessary the *first time*.

At app startup, click on ***"Create your account"***.

1. Enter a username. Up to 14 alphanumeric characters (no spaces allowed)
2. This is your unique UserCode.
3. Click on ***"Let's Start!"***

Click on ***"Forward"*** to share your UserCode with the administrator of a CUBE POWER.

Once received from the administrator, enter the invitation code here.

(see pg 14 for how to create and send an invitiation)

There are several ways to share your UserCode:

1. The administrator can scan the QR code with his ***"INSTALLER CUBE"*** app
2. Copy your UserCode to your smartphone's clipboard to be sent as per your preference.
3. Click "Share" to see all options to send UserCode.

INSTALLERCUBE

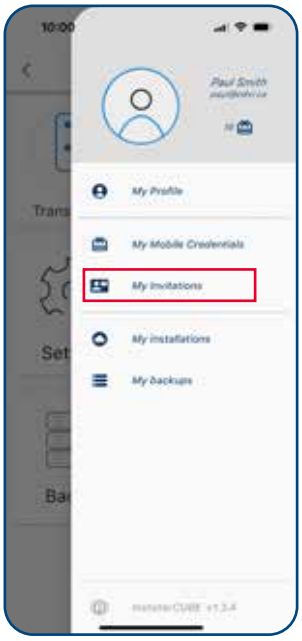
Create an Invitation Code

The invitation code is required to finalize the activation of the ***"USER CUBE"*** app.

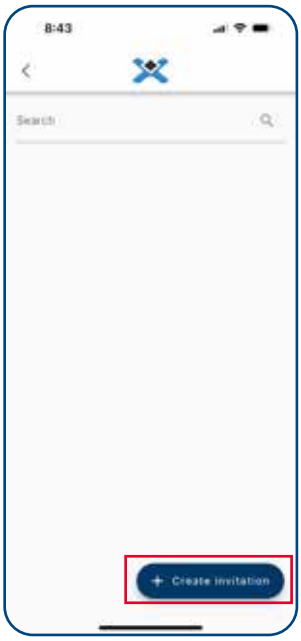
Activation codes can be created locally or remotely from the CUBE POWER receiver. The smartphone needs an internet connection to perform the remote setup.

From the main menu, click on ***"Profile Menu"***. Top right corner of main menu.

Click on ***"My Invitations"***.



Click on ***"Create invitation"***.



Type, paste or scan the UserCode into the field below.

Click on ***"Confirm"*** to validate it will use up one mobile credential.

Click on ***"Forward"*** to share the invitation code with the user

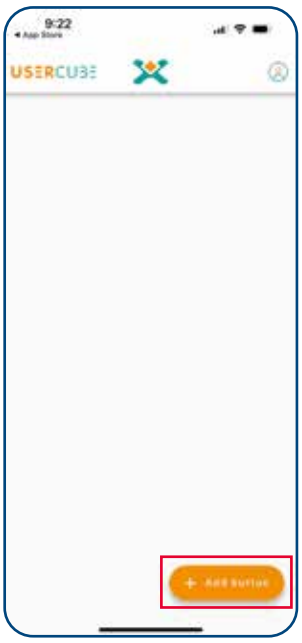
Activate your "USER CUBE" App (cont.)

Once you have received the invitation code from the administrator, open the ***"USER CUBE"*** app and follow the next steps to complete the activation process.

Before continuing to this step, make sure you are within Bluetooth range of the CUBE POWER receiver, up to 100 feet (30 meters).

1. Enter the invitation code here.

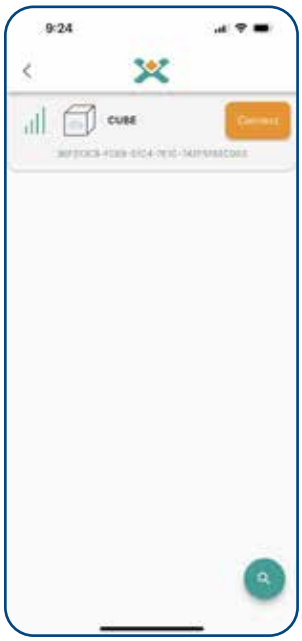
2. Click on ***"Activate my UserCube!"***



Click on ***"Add button"***

All CUBE POWER receivers that are within Bluetooth range will be displayed in the list.

Find the one you are being added to and click on ***"Connect"***.



Click on ***"Confirm"*** to finalize activation.

The button is ready to use!

The default icon can be modified. (see the next steps)

Button Configuration

Click on the icon at the bottom right of the screen and select ***"Button Settings"***.

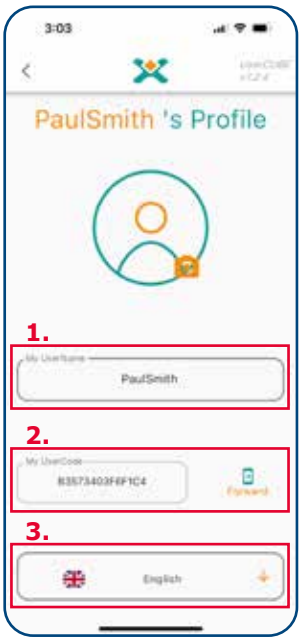
Then, click on the ***"Pen"*** icon of the button you wish to edit.

From here you can select one of the predefined avatars or add your own picture. You can rename the button according to your needs.

Save once completed.

Profile Settings

Click on the profile icon in the top right corner of the screen.



If a user changes phones, they will need to be issued a new invitation code. All buttons will be lost and have to be reconfigured.

From here you can change your:

1. Username (up to 14 alphanumeric characters, no spaces allowed)
2. Share your user code
3. Select the app display language.

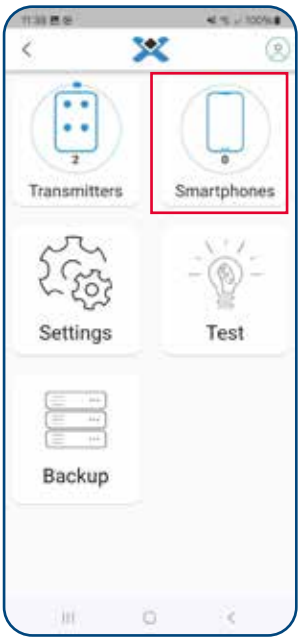
INSTALLERCUBE

Add a Smartphone to Another CUBE POWER Receiver

(USER CUBE already activated)

Using the Installer Cube app, an administrator can easily add an existing (activated) smartphone to another Cube Power receiver simply by entering the smartphone's UserCode, without sending another invitation.

After selecting the new receiver you will be adding user to, click on ***"Smartphones"***.



Click on ***"+"***.

You can activate or deactivate a smartphone by toggling this button.

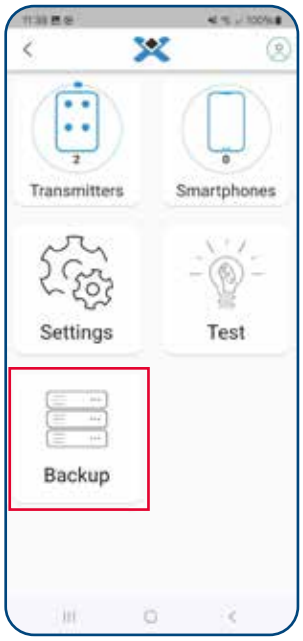
Click on ***"User Code"***.

1. Enter the smartphone UserCode or scan its QR code.
2. Enter a Username (up to 14 alphanumeric characters, no spaces allowed).
3. Click the "add smartphone" icon to save.

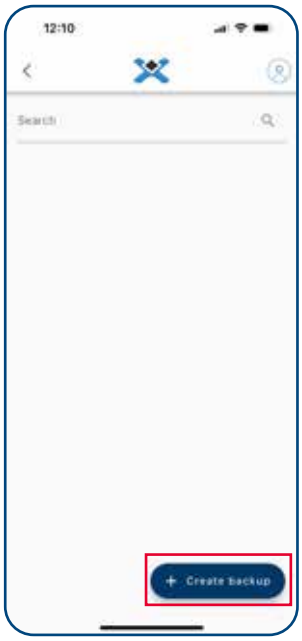
INSTALLERCUBE

Backup your CUBE POWER Receiver

From the main menu, click on ***"Backup"***.



Click on ***"Create backup"***.



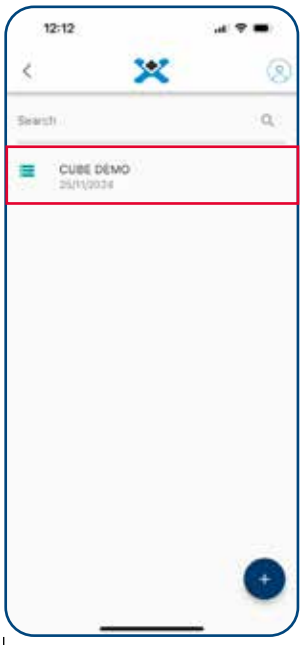
Validate the information then, click on ***"Save"***.

Name your backup then click on ***"Save"***. Your backup will now appear in the list.

INSTALLERCUBE

Restore your CUBE POWER Receiver

Click on the backup you want to restore from the list.



Validate this is the correct backup you want to restore, then click ***"Upload to device"***.

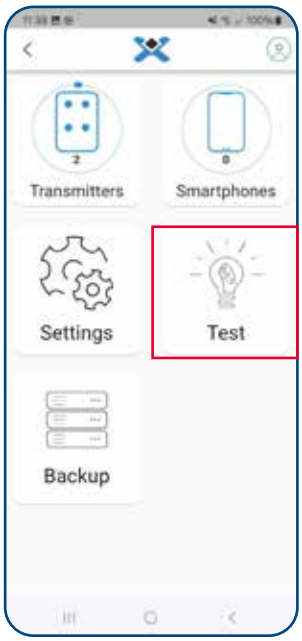
To overwrite existing data, click on ***"Confirm"***.

Click on "✓" icon to complete restore.

INSTALLERCUBE

Test Relay and Button

From the main menu, click on ***"Test"***.



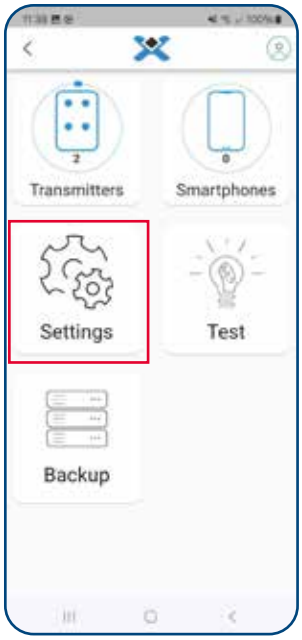
With ***"Test relay"*** selected, press the red button and it will turn green to confirm relay was triggered.

With ***"Read TX"*** selected, press and hold the transmitter button. Transmitter information will appear, as well as confirmation if it paired with the receiver.

INSTALLERCUBE

Factory Default CUBE POWER Receiver

From the main menu, click on ***"Settings"***.



Scroll down to ***"Advanced functions"*** then, click on green arrow beside it.

1. Will factory default CUBE POWER receiver name, configuration and password.
2. Will erase ALL smartphones from CUBE POWER receiver.
3. Will erase ALL transmitters from CUBE POWER receiver.

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All the information contained within this document (pictures, drawings, features, specifications and dimensions) could be perceptibly different and can be changed without prior notice. - Dec 2024