

Turn your phone into a keypad ...

to unlock your car, house, garage door, office, alarm system, or access control system using  **Bluetooth**

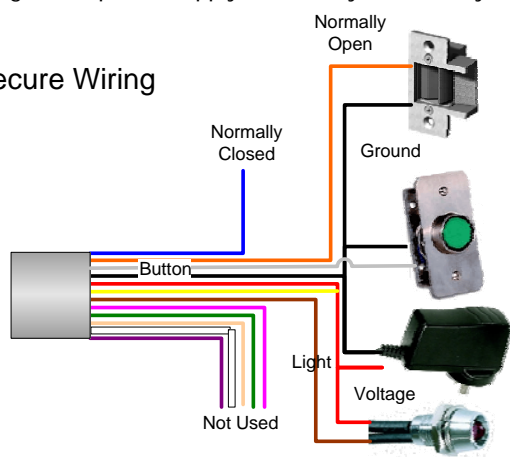


Walk up with any discoverable Bluetooth phone, you will be asked for a PIN. Enter the correct PIN and the door will open.

How do I Install ECKEY?

- 1) You will need a lock or opener, regulated 12 to 24VDC power supply, flat head screw driver, Philips screw driver, connection wire and wire cutters.
- 2) Unscrew the back of ECKEY EK2 to identify the connections in the diagram below.
- 3) Wire the positive power supply to the Voltage (V+) terminal and the negative power supply to Ground (G) terminal.
- 4) Turn the power on and the Status Light should flash four times and then once every 5 seconds after that.
- 5) Unplug the power supply.
- 6) Wire the lock, door opener to ECKEY and optionally an external request to exit button and status light.
- 7) Plug in the power supply and ECKEY is now fully installed.

Fail Secure Wiring



Wire/Application	Fail Secure	Fail Safe	Request to Exit
Black (Ground)	Ground (-) Strike Optional Button	Ground (-) Strike Optional Button	Ground Optional Button
Red (Voltage V+)	12VDC Yellow (Relay) (+) Optional Light	12VDC Yellow (Relay) (+) Optional Light	12VDC (+) Optional Light
Yellow Relay Common	Red (Voltage)	Red (Voltage)	Request to Exit lock input
Brown Normally Open	(+) Strike	None	Request to Exit lock input
Blue Normally Closed	None	(+) Strike	None
Brown Optional Button	Optional Button	Optional Button	Optional Button
Orange Optional Light	(-) Optional Light	(-) Optional Light	(-) Optional Light

EK2 Virtual Keypad

How do I unlock the door?

- 1) Make phone discoverable (visible) by consulting your phone documentation (usually in Setting -> Connectivity-> Bluetooth-> Find Me or Setup). We recommend creating a shortcut to managing Bluetooth on your phone. See your phone documentation on how to do this.
- 2) Wait for the phone to be prompted for the PIN. The default PIN is printed on the label in this user guide.
- 3) Once the PIN is successfully entered, the relay will trigger and the Status Light will turn on for 3 seconds to unlock a door, open a gate or disable an alarm.

Passage mode

In Passage mode ECKEY will not monitor phones and the gate or lock will remain unchanged. To enter Passage mode press and hold the Administration Button for three seconds until the blue Status Light comes on. The ECKEY relay will remain frozen in its current state and stop monitoring for phones.

To leave the relay on (for example to leave a strike unlocked) unlock the door with the PIN on the phone and while the door is unlocked press and hold the Administration Button for 3 seconds until the blue Status Light turns off then on again.

To leave the relay off (for example no pulse on an request to exit button) press and hold the Administration Button for 3 seconds until the blue Status Light comes on.

To exit Passage mode press and release the Administration Button.

Register for Support

- 1) You will need an internet connection, ECKEY Serial Number, email address for registration.
- 2) Go to www.ECKEY.com and register with the ECKEY Serial Number printed on your unit in this form EK2-XX-XXXXXXX.
- 3) Logon into the Support Site and select Knowledge Base-> EK2-Virtual Keypad.

Change the PIN and other settings

- 1) You will need to be registered for support and have a Bluetooth device that supports file transfer all Bluetooth PCs and most phones.
- 2) Logon into the Support Site and select Knowledge Base-> EK2-Virtual Keypad->Configuration.
- 3) Select the configuration settings and download the text file on to your computer.
- 4) Put ECKEY in to Administration Mode by pressing and releasing the Administration Button three times and press and holding for three seconds until the Status Light repeatedly flashes three times.

Frequently asked questions

Is it secure?

Yes - Both the ECKey and your phone are hidden from everyone else behind billions of rolling codes.

Can I still use my phone?

Yes - You can still use your phone as a phone (including Bluetooth Headset) at the same time as locking and unlocking the door.

Can I still use a key?

Yes - You can still use a key or other secure devices as an alternative unlocking mechanism

- 5) Right click on the configuration settings txt file and send to Bluetooth devices.
- 6) Search for ECKey and enter the Master PIN
- 7) The file will be transferred to ECKey and the settings updated.
- 8) ECKey may respond by sending the updated settings back.

Troubleshooting

My ECKey is not working

Check power

- » The Status Light should flash four times when powered on.
- » After power on the Status Light should flash once every 5 seconds.

Check the wiring

- » Press and hold Administration Button to unlock to enter passage mode.
- » Press and release Administration Button to lock and return to normal.

Check the phone

- » Check that Bluetooth is on, on the phone
- » Check that the phone has Bluetooth set to be discoverable.

EK2 – Functions

Feature	Sequence	Confirmation
Power on	Connect	Four flashes and then return to Normal Operation
Normal Operation	None	Slow flashing once every 5 seconds.
Passage Mode	Press and hold Administration Button or external button for 3 seconds.	Status Light on continuously and relay held in current position.
Exit Passage Mode	Press and release Administration Button or external button	Four flashes and then return to Normal Operation
Administration Mode	Unlock door with phone and within three seconds press and release Administration Button three times and press and hold for 3 seconds.	Repeated triple flashing
Exit Administration Mode	Press and release Administration Button	Unit restarts with four flashes before returning to normal operation
Factory Reset	Unlock door with phone and within three seconds press and release Administration Button four times and press and hold for 8 seconds. Press and hold Administration Button for 3 seconds to confirm.	Repeated eight flashing Status Light on for 5 seconds
Exit Factory Reset	Press and release Administration Button	Normal Operation
Factory Reset	Turn the power off to ECKey Connect the Pink, Grey and Black wires together Turn the power on to ECKey Turn the power off and rewire	Status Light on Status Light off Normal Operation

For more information please contact

www.ECKey.com

ECKey Serial Number:

PIN:

Master PIN: