User Guide

Access Controller Pro 2

ring

Included installation hardware.

- (1) Ring Access Controller Pro 2
- (1) 8-pin, 3.5 mm Pitch Terminal Block Connector
- (1) Puck Antenna
- (4) Cable Labels
- (2) Adhesive Strips
- (1) USB Adapter

You'll also need...

- Wires (18-22 AWG)/Cables for Connector Terminals
- Precision Flathead Screwdriver
- Wire Strippers
- **Optional:** RJ45 Ethernet Cable (≤ 3 meters)
- **Optional:** PVC Junction Box (if installed outside of the call box or existing junction box)

Download the Ring app.

The Ring app walks you through setting up and managing your Ring Access Controller Pro 2.

Search for “Ring” in one of the app stores below, or visit **ring.com/app**

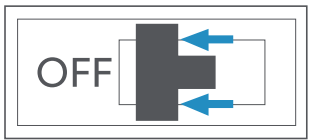
Note: You will need to link an Amazon account in which you are the primary user and complete a two factor authentication during the set up.

Connect the wires to the terminal block.

Using a precision flathead screwdriver, loosen the terminal block connector screws. Strip about 0.25" of the insulation to expose the wire (18-22 AWG), then place the wire in the desired opening.

Tighten the screw to hold the wire in place. Give it a gentle tug to make sure it’s secure. Repeat for the rest of your wires.

Note: The positive and negative terminals are interchangeable.

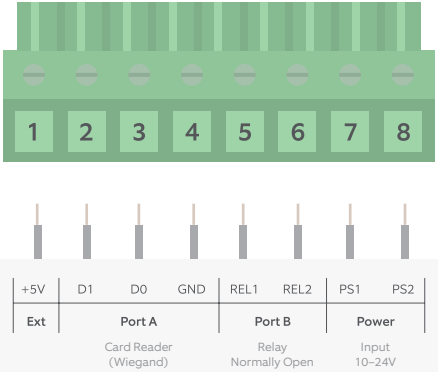


Turn off power at the breaker.

This is essential to keeping you and your Ring Access Controller Pro 2 safe.

If you're not sure which breaker controls your access point, turn off the master breaker for your home, or contact an electrician.

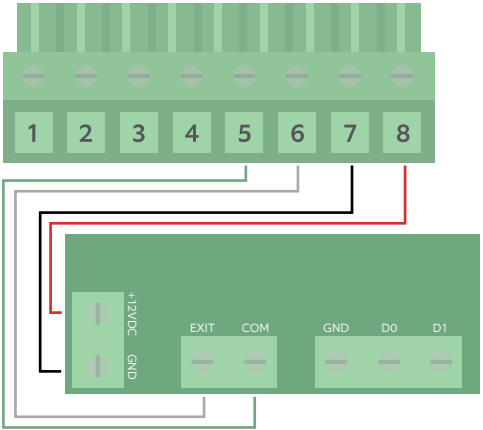
CAUTION! You'll be working with electrical wires during the install process. If you are uncomfortable or inexperienced with doing so, consult with a licensed electrician.



Relay connection.

Wire terminals 5 & 6 to a normally open relay connection on your systems control board. These wires are often added in parallel to an existing activation button. The relay wires between terminals 5 & 6 are interchangeable and you can use either terminal as the common/ground.

The Port B relay internal to Ring Access Controller Pro 2 is rated at 2 Amps and 34V (AC Peak/DC). The connection to the systems control board or the door strike plate/motor/or other device(s) should not exceed this rating requirement. Look for ratings on the device connected to the Port B relay. If ratings are higher an external relay will need to be used.



Do not integrate to any Emergency Terminals

Low-voltage power option.

Ring Access Controller Pro 2 can accept low-voltage power (10-24V AC/DC) from your systems control board if available. This will replace the need to use the micro USB power cord with wall adapter. Connect wires from your control board's low-voltage output terminal and ground to terminals 7 & 8 (it doesn't matter which wire connects to which terminal).

Mounting location.

Ring Access Controller Pro 2 is not weather resistant and should be installed indoors or in a weatherproof enclosure (sold separately) with internal dimensions large enough to fit the device.

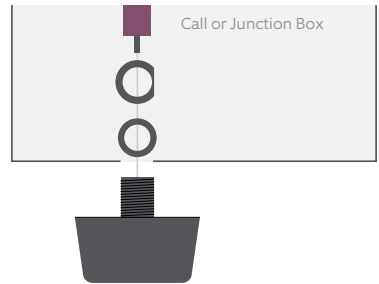
If using a knockout confirm there is at least 1/2" clearance from the closest surface before removing the knockout.

If you are using a separate weatherproof PVC junction box you will need a 7/8" (22 mm) hole to mount the puck antenna as well as a ~3/8" (9 mm) hole for the wiring. Mount the Ring Access Controller Pro 2 inside the enclosure using the provided mounting strips.

For external junction box installations, mount the junction box in a location that minimizes moisture intrusion.

Install the puck antenna.

Unscrew the nut and remove the washer from the puck antenna. Insert the cable through the knockout hole, ensuring the puck antenna is outside the call box or junction box. Place the washer on the antenna mounting post and screw the nut to fix the puck antenna in place. Make sure it's secure, but do not overtighten.



Place your Access Controller.

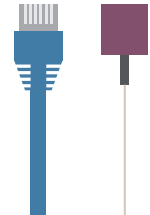
Remove the liner from one side of the adhesive strips and place the strips in the recesses on the back of your access controller. Clean the surface where the Access Controller will be placed. Peel the liner off of the other side and place the Access Controller against the clean and dry mounting surface. Hold for 30 seconds.

Connect the antenna.

Attach the puck antenna connector to the antenna port on your Access Controller until it locks into place.

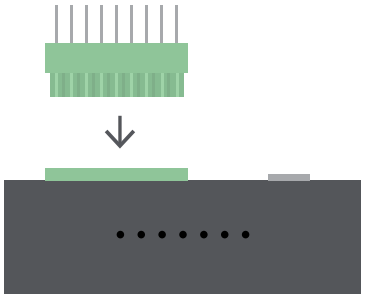
Ethernet connection.

If you have an Ethernet connection in your call box or junction box, plug the cable into the Ethernet port on your Access Controller along with the antenna.



Connect the terminal block to your Access Controller.

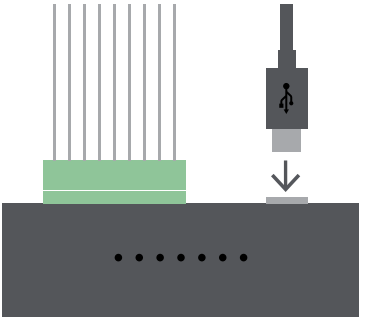
Plug the terminal block connector into the mating connector on your Access Controller.



Power it up.

If you mounted your device outside the call box, plug it into an outlet using the included micro USB cable and DC power brick.

In the Ring app, select **Set Up a Device → Locks and Access Control → Ring Access Controller Pro 2** and follow the in-app instructions.



LED and Connector Terminal Indicators.

PWR: Solid light indicates the device is powered

CELL:
- Solid Red indicates no cellular coverage.
- Solid Yellow indicates low cellular coverage.
- Solid Green indicates good cellular coverage.
- Solid White indicates the device is using Ethernet.
- Flashing Blue indicates attempting to get cellular strength.
- Solid blue indicates error in getting cellular strength.

LED and Connector Terminal Indicators (cont).

CON: Flashing light indicates device has Internet connectivity

RUN: Flashing light indicates device is running as programmed

REC: Solid light indicates device is in record mode and scanning for access credential (only occurs while provisioning a fob credential)

DR1 and DR2: Solid light for 2 seconds indicates respective door is opening at that time

IMPORTANT PRODUCT INFORMATION

This device should only be installed by a professional installer or licensed electrician.

SAFETY INFORMATION: FAILURE TO FOLLOW THESE SAFETY INSTRUCTIONS COULD RESULT IN FIRE, ELECTRIC SHOCK, OR OTHER INJURY OR DAMAGE.

Users are required to use a power supply that complies with PS2 or L.P.S. certification and approval. Use only accessories supplied with your device, or specifically marketed for use with your device, to power your device. Use of third-party accessories may impact your device's performance. In limited circumstances, use of third-party accessories may void your device's limited warranty. In addition, use of incompatible third party accessories may cause damage to your device or the third-party accessory. Read all safety instructions for any accessories before using with your device.

Protect the device from direct sunlight. Install the device at dry locations and protect it against rain and humidity. The device may not get contact to salt water or other conductive liquids. The device must be charged only within a building in a dry state.

SAFETY INFORMATION: FAILURE TO FOLLOW THESE SAFETY INSTRUCTIONS COULD RESULT IN INJURY.

Small parts contained in the Access Controller Pro 2 may present a choking hazard to small children. Keep small parts away from children. Your Ring Access Controller Pro 2 should only be used in accordance with the instructions and intended purpose. Using this accessory in any way other than its intended purpose could cause injury to yourself, others or damage to the device. Your Ring Ring Access Controller Pro 2 is not waterproof and as such should not be submerged in water, doing so could cause injury to yourself, others or damage to the device.

DANGER – TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, FOLLOW THESE INSTRUCTIONS CAREFULLY.

- Do not force the adapter into a power outlet.
- Do not expose your device or adapter to liquids. If your device or adapter gets wet, carefully unplug all cables without getting your hands wet and wait for the device and adapter to dry completely before plugging them in again. Do not attempt to dry your device or adapter with an external heat source, such as a microwave oven or a hair dryer. If the device or adapter appear damaged, discontinue use immediately. Use only accessories supplied with the device to power your device. To avoid risk of electric shock, do not touch your device or any wires connected to your device during a lightning storm.
- If the adapter or cable appears damaged, discontinue use immediately.

Install your power adapter into an easily accessible socket-outlet located near the equipment that will be plugged into or powered by the adapter.

Product Specifications
Model No.: 5F58E9
Temperature Rating: -20°C to 65°C
Power Input: 100–240V ~0.3A 50/60Hz
Power Output: 5.2V, 1.8A (9 watts)

RECYCLING YOUR DEVICE PROPERLY
In some areas, the disposal of certain electronic devices is regulated. Make sure you dispose of, or recycle, your device in accordance with your local laws and regulations. For information about recycling your device, go to **amazon.com/devicesupport**.

TERMS OF SERVICE AND WARRANTY
By purchasing or using the product, you agree to the Terms of Service found at **ring.com/terms**.

For information on our warranty, visit **ring.com/legal**.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reason-

able protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Pursuant to Section 15.21 of the FCC rules, changes or modifications to a Product by the user that are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

The device meets the FCC Radio Frequency Emission Guidelines. Information on the product is on file with the FCC and can be found by inputting such Product's FCC ID (which can be found on the device) into the FCC ID Search form available at **fcc.gov/oet/ea/fccid**.

The party responsible for FCC compliance is: Ring LLC, 1523 26th St, Santa Monica, CA USA, 90404

FCC Radiation Exposure Statement
This device complies with FCC radiation exposure limits set forth for an uncontrolled environment and it also complies with Part 15 of the FCC RF Rules. This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provided with antenna installation instructions and consider removing the no-collocation statement.

Additional info

Manufactured by: Ring LLC

Website: Ring.com

Contact Name: RACP Tech Support

Contact Number: 1-888-255-1041

Email: ring-acp-device-support@amazon.com

For information on our warranty, visit ring.com/legal
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