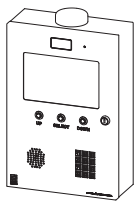
INSTALL GUIDE | ASCENT M8

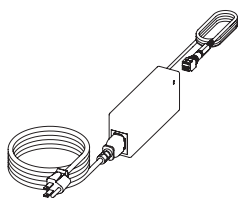
Model **16-M8**

START HERE

1

Unpack box and make sure you have all items shown here.

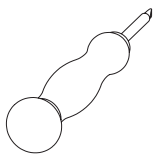

Ascent Unit


24-V AC/DC Adapter

Key

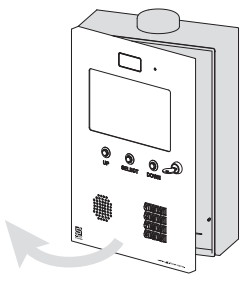
Carriage Bolt
(4x)

Hex Nut
(4x)


Screwdriver

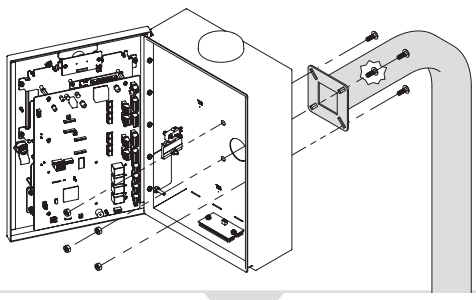
2

Unlock and open unit for mounting, wiring, and setup.



3

Mount unit to pedestal using included mounting hardware.
(This step may be completed later.)



STOP

This is a cellular accessory for a gate or door. An uninterrupted cellular connection **CANNOT BE GUARANTEED**!

An emergency egress or primary entry mechanism **SHOULD ALWAYS BE USED**! (transmitter, fire box, mechanical release)

Consult with your dealer, distributor, and/or system designer for more information.

IMPORTANT

This Ascent unit **WILL NOT WORK** until the activation process is **COMPLETE**!

See the included **Activation Guide** to get this unit activated.

If you need help or have any questions, please contact **Summit Control** at **(972) 474-6422**.

IMPORTANT

We recommend mounting the unit on a gooseneck pedestal using the included mounting hardware.

If using alternate mounting, the **4G LTE Antenna Extension Kit (Model 16-ANTX-1)** should be purchased and installed.

Failure to do so may result in NO SIGNAL!

WARNING

AUTOMATIC GATES CAN CAUSE SERIOUS INJURY OR DEATH!

ALWAYS CHECK THAT THE GATE PATH IS CLEAR BEFORE OPERATING!

REVERSING OR OTHER SAFETY DEVICES SHOULD ALWAYS BE USED!

CAUTION

Use all four carriage bolts when mounting the unit to a pedestal.

Leave the “hockey puck” antenna in place even if using an antenna extension.

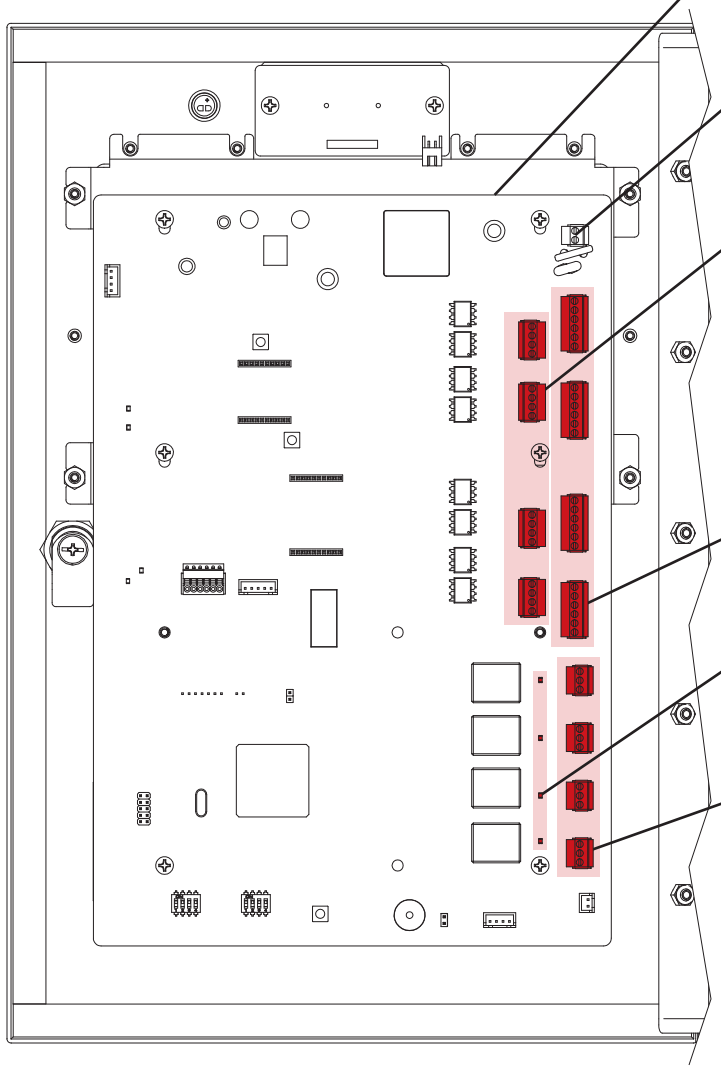
Seal all openings created in the enclosure.

Failure to follow these instructions can damage the unit!

What’s what?

All important components labeled

Unit shown with door fully open.
Internal wiring not shown for clarity.



Cellular Antenna Jacks and SIM Card
Positioned on second circuit board behind main circuit board

Power Terminals
For wiring to included power supply. See **Page 2**.

Digital Input Terminals
For connecting accessory devices. Scan **QR code on next page** for wiring instructions.

Wiegand Terminals
For wiring to Wiegand devices. See **Page 2**.

Relay Status LEDs
Relay is active when lit

Relay Terminals
For wiring to gate operator or door opener. See **Page 2**.

NEED HELP

Call **(972) 474-6422**
Email **support@summitcontrol.com**
We are available **Mon–Fri** / **8am–5pm Central**

Flip page to continue...

4 Connect wires

Feed wires through back of unit, and connect as shown using included screwdriver.

Consult gate/door opener manual for exact connections.

Terminals vary widely across manufacturers and models.

Additional wiring diagrams can be found below and online.

CAUTION

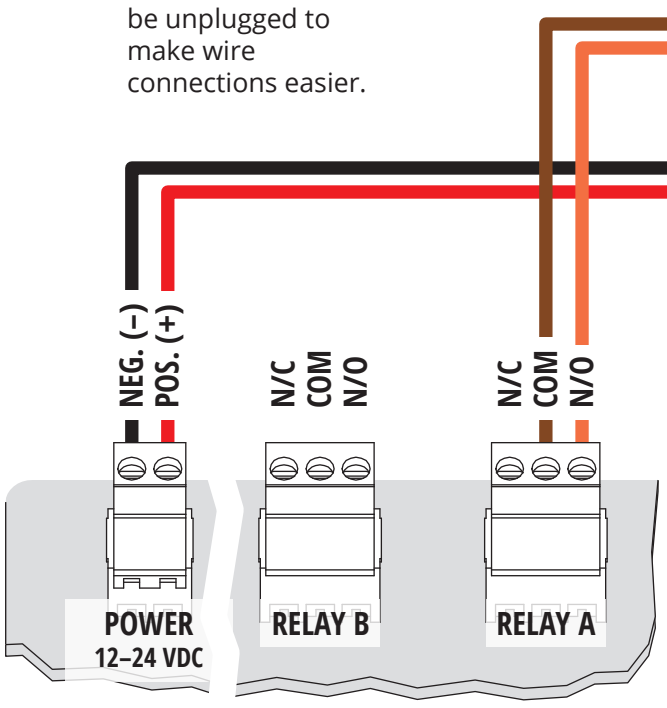
When connecting the power supply, remember to connect positive to positive and negative to negative to avoid damage.

Reversing polarity can damage the unit and void the warranty!

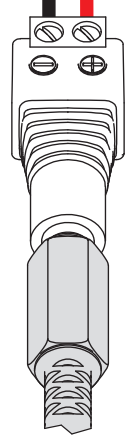
We recommend using 18-gauge stranded wire for all connections.

Ascent terminals can be unplugged to make wire connections easier.

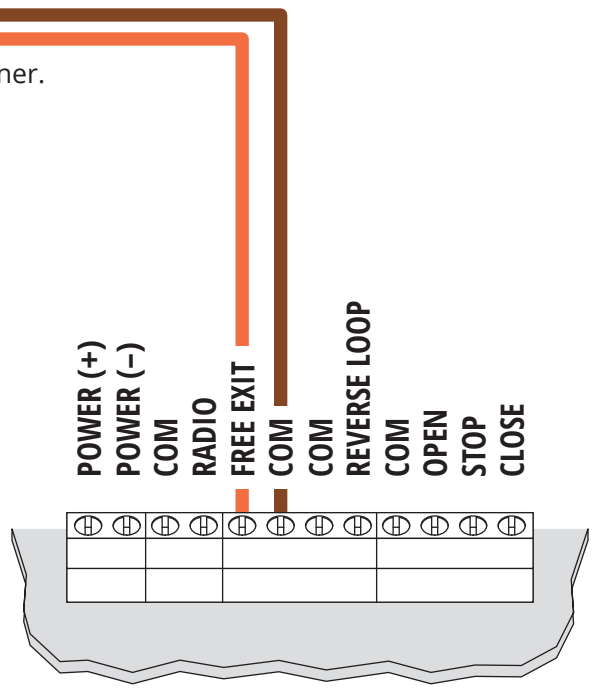
Relay B can be connected in same manner.



Ascent Power and Relay Terminals



24-V AC/DC Adapter
(included)



Gate Operator / Door Opener

STOP

Before going forward, double check all wiring and make sure the unit has power!

A wiring diagram for connecting to Wiegand devices can be found below.

For connecting accessories not mentioned, please scan the QR code on this page.

Make sure the gate path is clear before completing Step 5!

5

Key in temporary code 2012 on keypad and confirm gate opens. If it does, close and lock unit.

2 0 1 2

Adding and deleting codes is done through Summit Control and **NOT** from keypad on unit!

INSTALLATION COMPLETE!

Now follow the **Activation Guide** to create an account and begin using Ascent.

A Wiegand Device

Feed wires through back of unit, and connect as shown using included screwdriver.

These terminals are used to connect a Wiegand device such as a card reader or Wiegand keypad.

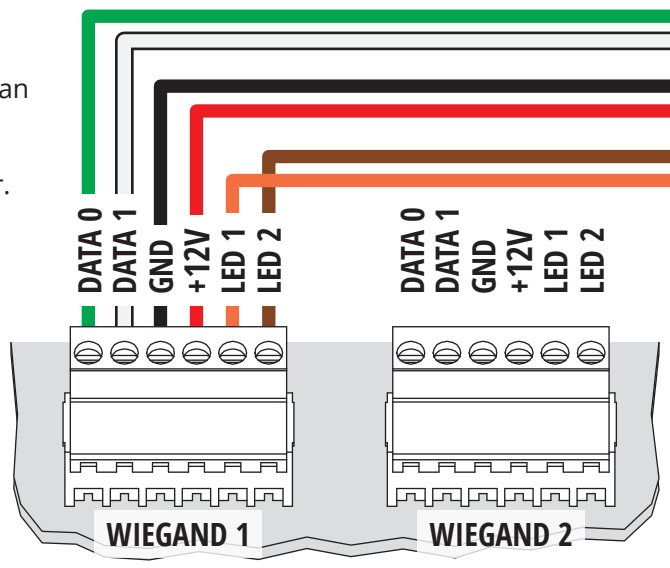
Any set of Wiegand terminals can be used for wiring and then configured in Summit Control.

CAUTION

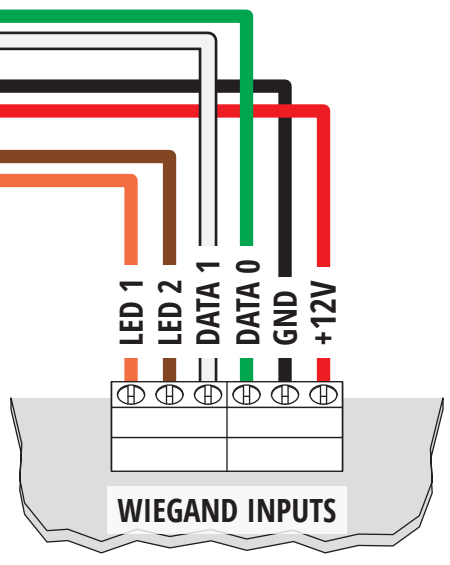
Disconnect power to the Ascent unit before connecting Wiegand devices.

Failure to disconnect power can damage the unit!

Ascent terminals can be unplugged to make wire connections easier.



Ascent Wiegand Terminals



Wiegand Device

Need More?

Use the QR code below to get access to more resources, including how-to videos and additional wiring diagrams for connecting accessory devices.

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