

QUICK INSTALLATION GUIDE

INTELLE 16Z PLUS

DOOR CONTROLLER 16 ZONE

- * Outdoor- 1 Mile (line-of-sight)
- * Indoor- 1000 ft (Urban)



**RANGE TESTER KIT
REQUIRED**



UNIT A



UNIT B

MAX WRTK

Use the kit to verify that the wireless range is feasible for every Entry Point



Max Cloud App

One-Time App Purchase Required



Available on the
App Store

ANDROID APP ON
Google Play

All Entry Points can
be accessed using
the Max app.

AT&T verizon T-Mobile

900 Mhz

UP TO*
1 Mile Range



**Intelle 16Z PLUS
MAX DC16Z**



**MAX
KEY FOB**

**Wi Card Reader
MAX WCR**



**Cell Hub
Keypad**



**MAX
KEY FOB**

**Wired Card
Reader
MAX CR**



**Wiegand
Converter**



**Wi Access
Point
MAX WAP**



**Wi Door
Controller
Keypad
MAX WDCK**



RESIDENTIAL / COMMERCIAL / INDUSTRIAL APPLICATION

V2.1_ 09-15-26

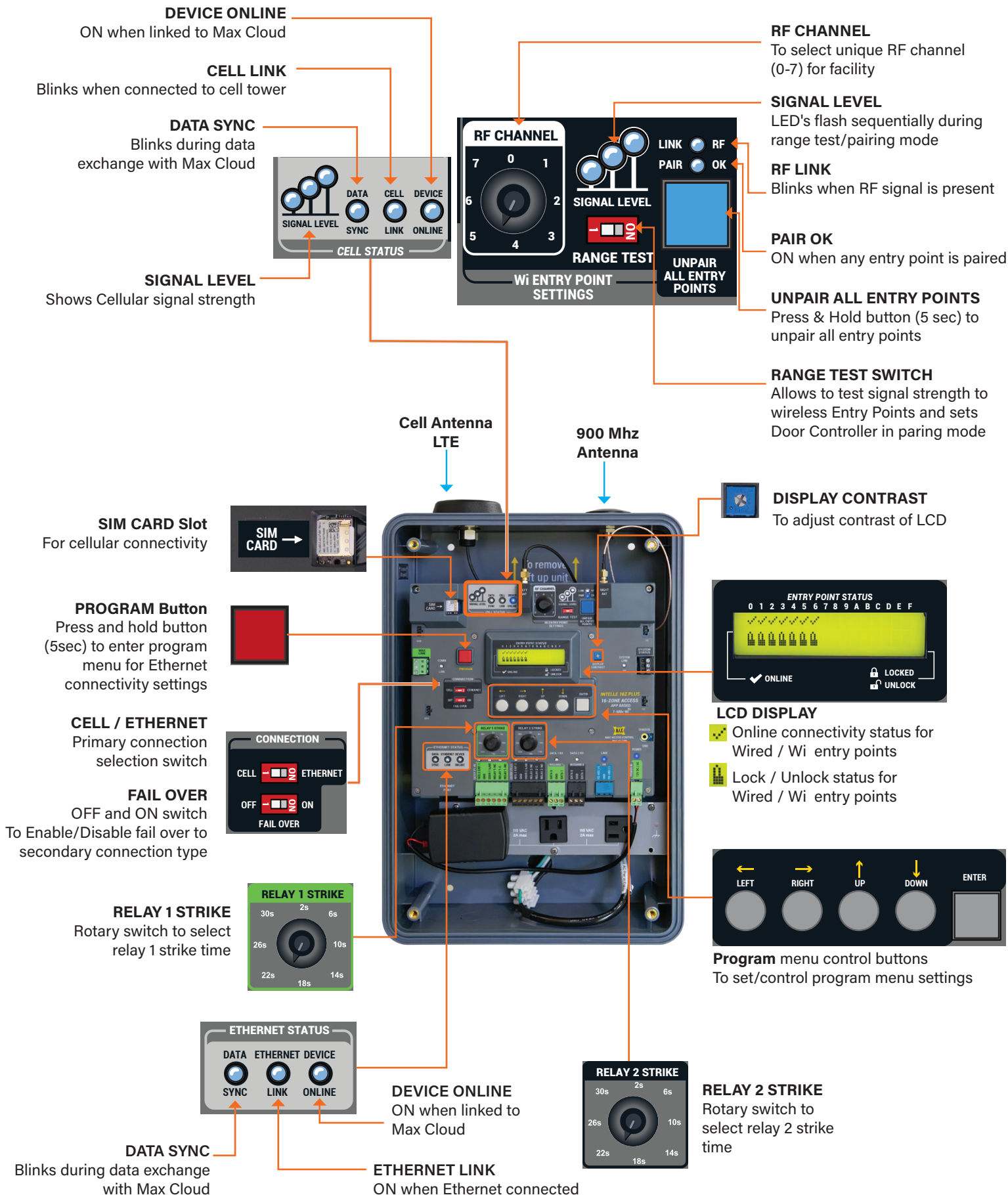
Maximum Controls LLC • 949.699.0220 | www.MAX.US.com

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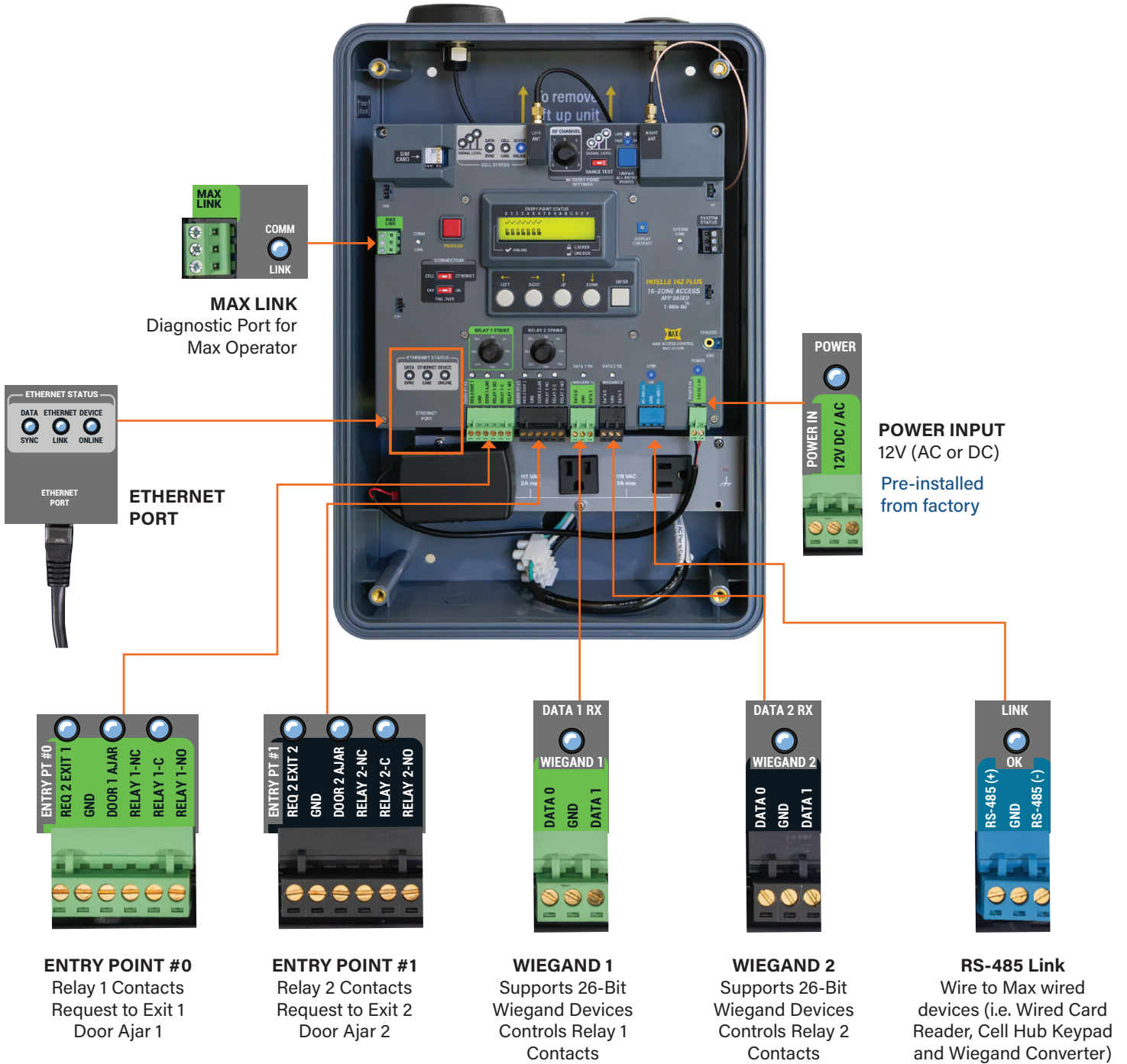


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OVERVIEW



PORTS



MAX WIRELESS ENTRY POINT DEVICES

OVERVIEW



MAX WIRELESS

CARD READER

MAX WCR

BUILT-IN RANGE TESTER
EASY PAIRING PROCESS

MAX WIRELESS CARD READER

WIRELESSLY CONTROL/OPERATE REMOTE ENTRY POINT WITH A CARD READER (AND APP)

BUILT IN HID COMPLIANT CARD READER

- Supports 26-Bit HID compliant keyfobs and Cards
- Max Keyfobs & Cards available

WIEGAND INPUT PORT

- Wiegand port to support 26-bit card readers, radio receivers & RFID transponders

PROGRAMMABLE WIEGAND KEYCODES VIA MAX CLOUD APP/WEB PORTAL

- Program Wiegand cards/keyfob, radio transmitters & transponder tags and assign optional time restrictions for specific entry point
- Track Wiegand keycode entries in event log (App/Web Portal)

RELAY PORT

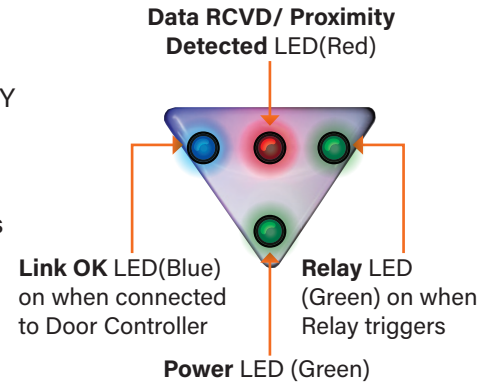
- Control Entry point with dedicated relay
- Supports both Solenoid and Maglock (NO, C, NC)
- Selectable Relay Strike Time

DOOR AJAR

- Monitors entry door or gate status (with a sensor to detect closed position)

PROXIMITY DETECTION FOR ACCESS

- App User proximity detection for entry points (Optional Setting)



REQUEST TO EXIT (RTE) PORT

- Supports exit button request on pedestrian door or gate



MAX WDCK

MAX WIRELESS

DOOR CONTROLLER KEYPAD

BUILT-IN RANGE TESTER
EASY PAIRING PROCESS

MAX WIRELESS DOOR CONTROLLER KEYPAD

WIRELESSLY CONTROL/OPERATE A REMOTE ENTRY POINT WITH A KEYPAD (AND APP)

WIEGAND INPUT PORT

- Wiegand port to support 26-bit card readers, radio receivers & RFID transponders
- Track wiegand device activity in event log (App/Web Portal)

PROGRAMMABLE KEYCODES & WIEGAND KEYCODES VIA MAX CLOUD APP/WEB PORTAL

- Program keypad keycodes and wiegand cards/keyfob, radio transmitters & transponder tags and assign optional time restrictions for specific entry points
- Track keypad keycode and wiegand keycode entries in event log (App/Web Portal)

RELAY PORT

- Control entry point with dedicated relay
- Supports both Solenoid and Maglock (NO, C, NC)
- Selectable Relay Strike Time

PROGRAMMABLE GREETING MESSAGE

- Customize greeting message on keypad display on app/Web Portal
- All Keypad Entry Points share same Greeting Message

REQUEST TO EXIT (RTE) PORT

- Supports exit button request on pedestrian door or gate

PROGRAMMABLE CALL BUTTON MESSAGE:

- Program on the App a display message for the CALL button with a specific instruction for visitors, For example:

When a visitor pushes the CALL button, the display message will instruct the visitor to call a specific phone number (i.e. facility manager or home owner) using their personal cell phone. **EX:** CALL button message: "CALL (949) 000-0000 on your phone"

- All Keypad Entry Points share the same Call Button Message

MAX WIRELESS ENTRY POINT DEVICES

OVERVIEW



MAX WIRELESS ACCESS POINT

BUILT-IN RANGE TESTER
EASY PAIRING PROCESS

MAX WIRELESS ACCESS POINT

WIRELESSLY CONTROL/OPERATE A REMOTE ENTRY POINT WITH WIEGAND DEVICE (AND APP)

WIEGAND INPUT PORT

- Wiegand port to support 26-bit card readers, radio receivers & RFID transponders

PROGRAMMABLE WIEGAND KEYCODES VIA MAX CLOUD APP/WEB PORTAL

- Program Wiegand cards/keyfob, radio transmitters & transponder tags and assign optional time restrictions for specific entry point (App/Web Portal)
- Track wiegand device activity in event log (App/Web Portal)

RELAY PORT

- Control Entry point with dedicated relay
- Supports both Solenoid and Maglock (NO, C, NC)
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REQUEST TO EXIT (RTE) PORT

- Supports exit button request on pedestrian door or gates

DOOR AJAR

- Monitors entry door or gate status (with a sensor to detect closed position)

MAX WIRELESS ACCESSORIES



MAX WIRELESS REPEATER

DOUBLES THE WIRELESS RANGE

MAX WIRELESS REPEATER

- EXTENDS WIRELESS RANGE
- Bridges the gap caused by signal-blocking obstacles—such as trees, metal structures, and/or concrete walls between any entry point and door controller

EXTENDED RANGE:

Outdoor- 2 Mile (line-of-sight)
Indoor/Urban- 2000 ft



Intel 16Z PLUS



Max Wireless Repeater



Max Wireless Repeater



Max Wireless Repeater



Max Access Point



Max Wireless Card Reader



Max Wireless Door Controller Keypad

MAX **WIRED** ENTRY POINT DEVICES

OVERVIEW



MAX WIRED CARD READER

CONTROL/OPERATE LOCAL ENTRY POINT
WITH A WIRED CARD READER (AND APP)

BUILT IN HID COMPLIANT CARD READER

- Supports 26-Bit HID compliant keyfobs and Cards
- Max Keyfobs & Cards available

WIEGAND INPUT PORT

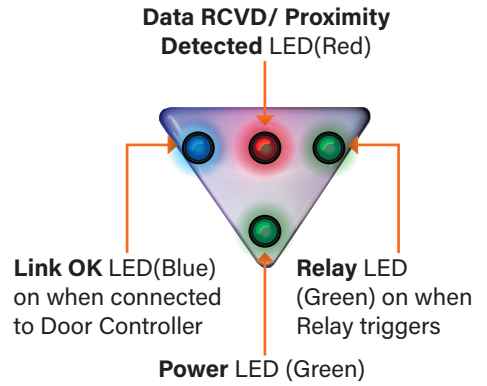
- Wiegand port to support 26-bit card readers, radio receivers & RFID transponders

PROGRAMMABLE WIEGAND KEYCODES VIA MAX CLOUD APP/WEB PORTAL

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DOOR AJAR

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PROXIMITY DETECTION FOR ACCESS

- App User proximity detection for entry points (Optional Setting)

REQUEST TO EXIT (RTE) PORT

- Supports exit button request on pedestrian door or gate



MAX CELL HUB KEYPAD

CONTROL/OPERATE A LOCAL ENTRY POINT WITH A WIRED KEYPAD (AND APP)

WIEGAND INPUT PORT

- Wiegand port to support 26-bit card readers, radio receivers & RFID transponders
- Track wiegand device activity in event log (App/Web Portal)

PROGRAMMABLE KEYCODES & WIEGAND KEYCODES VIA MAX CLOUD APP/WEB PORTAL

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- All Keypad Entry Points share same Greeting Message

PROGRAMMABLE CALL BUTTON MESSAGE:

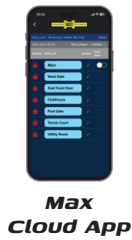
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When a visitor pushes the **CALL** button, the display message will instruct the visitor to call a specific phone number (i.e. facility manager or home owner) using their personal cell phone. **EX:** **CALL** button message: "CALL (949) 000-0000 on your phone".

- All Keypad Entry Points share the same Call Button Message

MAX **WIRED** ENTRY POINT DEVICES

OVERVIEW



MAX WIEGAND CONVERTER

MAX WIEGAND CONVERTER

CONTROL/OPERATE A LOCAL ENTRY POINT
WITH A WIEGAND DEVICE (AND APP)

WIEGAND INPUT PORT

- Wiegand port to support 26-bit card readers, radio receivers & RFID transponders

PROGRAMMABLE WIEGAND KEYCODES VIA MAX CLOUD APP/WEB PORTAL

- Program Wiegand cards/keyfob, radio transmitters & transponder tags and assign optional time restrictions for specific entry point (App/Web Portal)
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RELAY PORT

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- Supports both Solenoid and Maglock (NO, C, NC)

REQUEST TO EXIT (RTE) PORT

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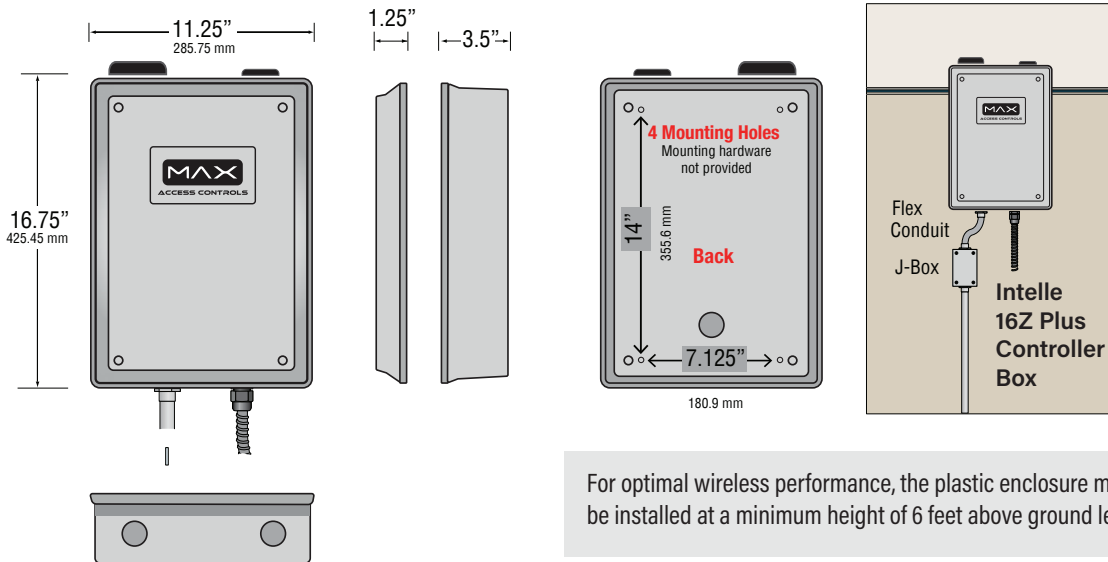
DOOR CONTROLLER INSTALLATION SETUP

INTELLE 16Z PLUS CONTROLLER BOX

1 MOUNT DOOR CONTROLLER

Mount the Intelle 16Z plus Controller Box where you have good cellular signal (if cell connectivity type is used) as well as good wireless signal to all entry points.

Use Max Range Tester Kit to ensure good connectivity between door controller and each wireless entry point (see appendix "Max Range Tester Kit Guide")



1 Unscrew both antennas



2 Push UP to remove Controller Module

3 Mount external plastic box using its mounting holes

4 Run conduit to external plastic box

5 Re-mount controller module back inside the plastic box and screw on both antennas

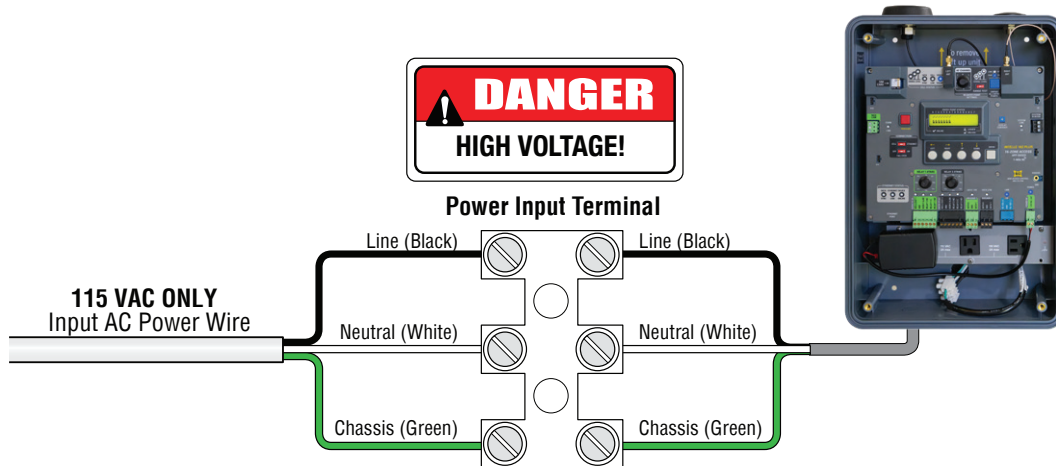
Avoid drilling holes in the side or top of the box. Seal any holes made in box to keep out moisture & insects.

DOOR CONTROLLER INSTALLATION SETUP

INTELLE 16Z PLUS CONTROLLER BOX

2

INPUT POWER WIRING 115VAC



NOTE: There is no AC Power Switch. Outlets are pre-wired to power input terminal.

3

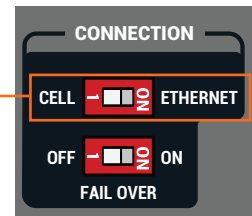
SELECT CONNECTION TYPE

Choose **CELL** or **ETHERNET** by setting switch

- If Cell selected, see step 3a below
- If Ethernet selected, see step 3b below

If both are Active, turn **ON** Fail Over switch, for Door Controller to auto switch between Cell or Ethernet as needed.

Note: The connection type selected (Cell or Ethernet) will be the default service



3a

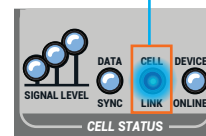
ACTIVATE CELLULAR SIM CARD

To activate Cell SIM Card See appendix, "SIM Card Activation" section

When SIM Card is activated, **CELL LINK** LED will start blinking
If not, refer to "Cell Connectivity Troubleshooting" in appendix



SIM CARD



CELL LINK LED

3b

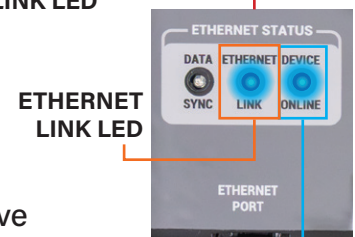
ETHERNET CONNECTION

Plug in live Ethernet cable into Controller's Ethernet port

Note: Most Ethernet connectivity is plug and play (DCHP)

- When Ethernet is connected **ETHERNET LINK** LED will turn on
If Ethernet Link LED does not turn on, confirm Ethernet cable is live

If **ETHERNET LINK** LED is on and **DEVICE ONLINE** LED is blinking (1 sec ON, 1 sec OFF), see appendix "Ethernet Troubleshooting"



ETHERNET LINK LED

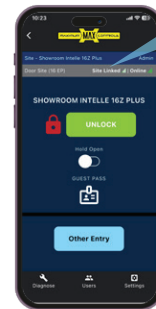
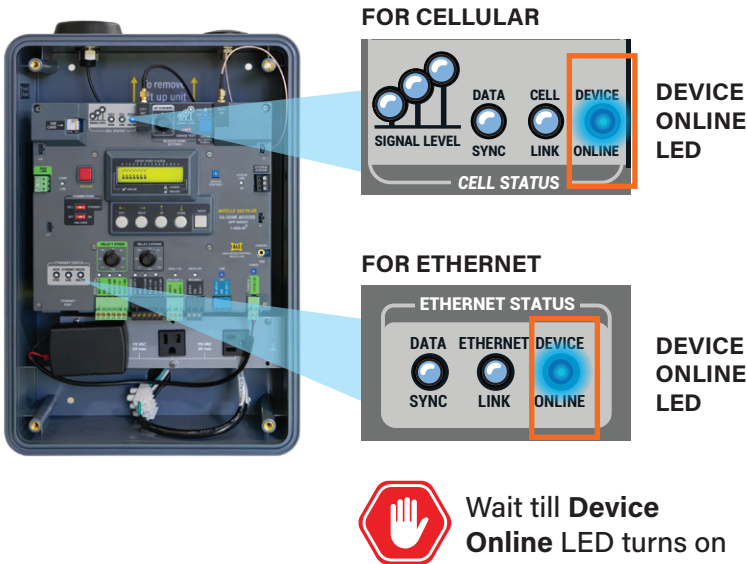
DOOR CONTROLLER INSTALLATION SETUP

INTELLE 16Z PLUS CONTROLLER BOX

4

DOWNLOAD MAX CLOUD APP & SETUP DOOR SITE

- 1 Download Max Cloud App, refer to appendix "App Download (Max Cloud App)" section
- 2 Set up Door Site in App Max Cloud App, refer to appendix "Door Site Setup" section
- 3 Wait for **DEVICE ONLINE** LED to turn on after about 1 minute.



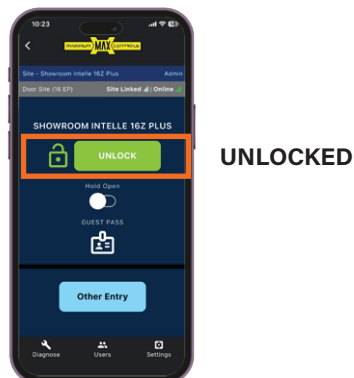
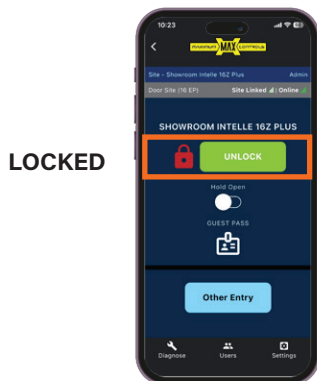
Note: on the Max Cloud App, the "Site Linked" will appear after Controller **DEVICE ONLINE** LED comes on

Max Cloud App

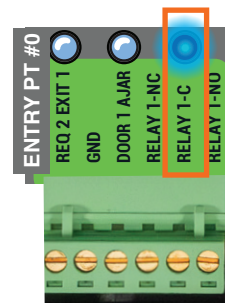
5

TEST DOOR SITE WITH APP

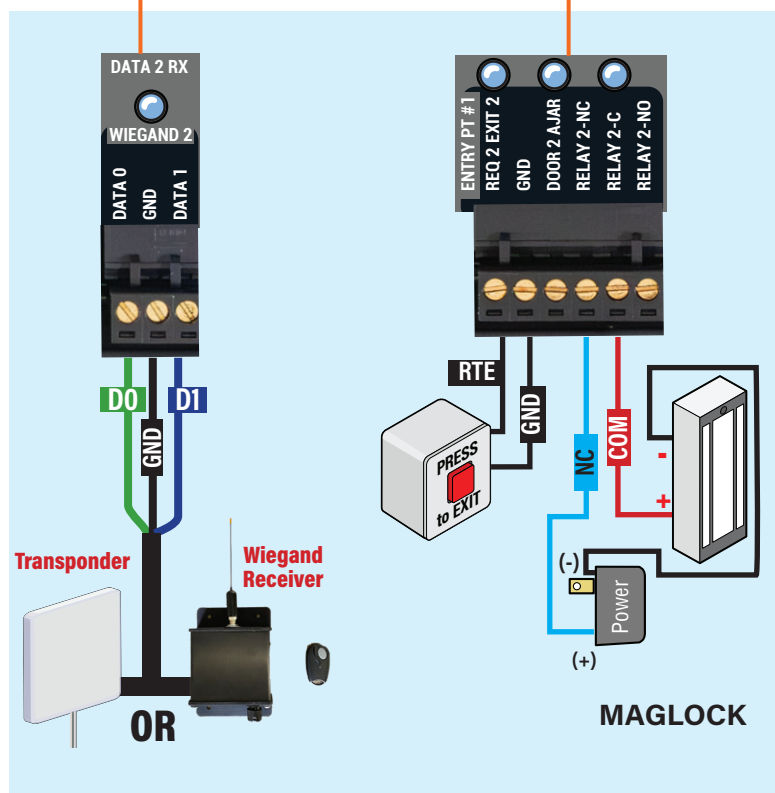
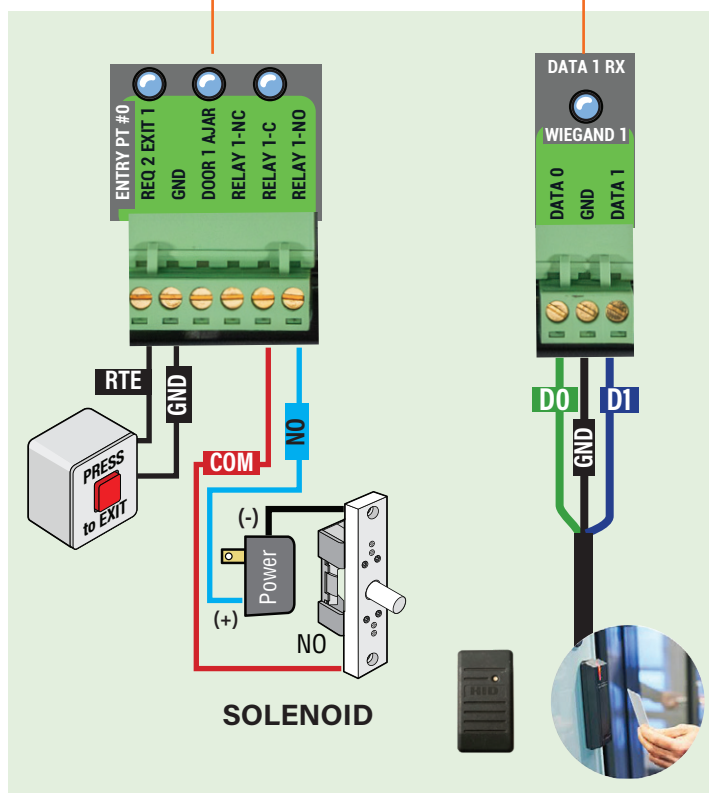
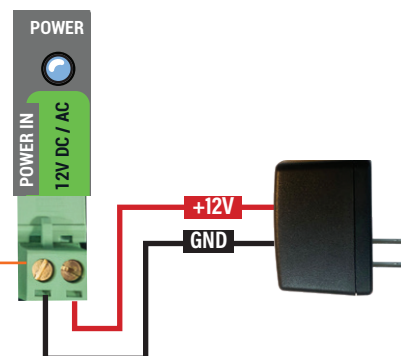
- 1 Press main entry point **UNLOCK** button



- 2 See if **Entry PT 0** is unlocked



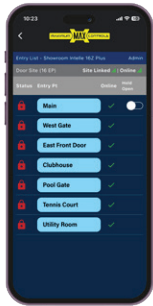
INTELLE 16Z PLUS CONTROLLER BOX



ENTRY POINT WIRING & SETUP

INTELLE 16Z PLUS CONTROLLER BOX

WIRED ENTRY POINTS ON RS485 PORT UP TO 14 (ZONES) ENTRY POINTS

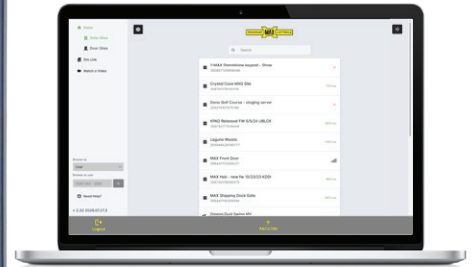


Max Cloud App

All Entry Points can be accessed using the Max app.



Intel 16Z PLUS



Web Portal

Max Wired Card Reader



Wiegand Converter



Cell Hub Keypad



ENTRY POINT WIRING & SETUP

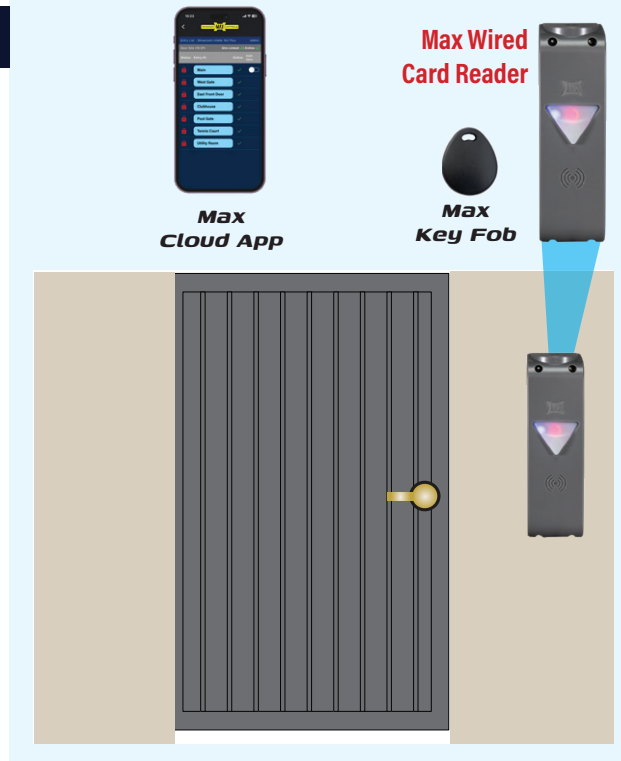
INTELLE 16Z PLUS CONTROLLER BOX

WIRED PEDESTRIAN DOOR APPLICATION USING WIRED CARD READER

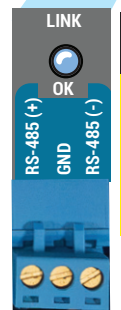


1 Ensure Power is on and setup is completed (Pg 9-11)

Intel 16Z PLUS



PEDESTRIAN DOOR



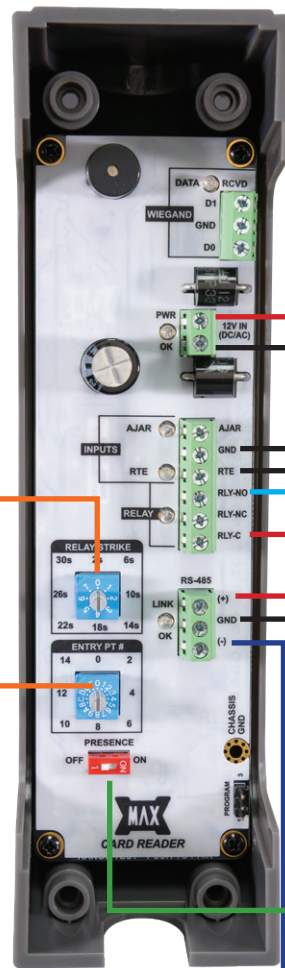
8 Wire Max Wired Card Reader to Intel 16Z Plus

3 Select "Relay Strike" time

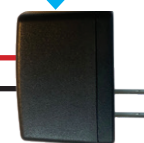


4 Select unique "Entry Point #"

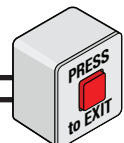
Note: Can't use 0 & 1 since those entry points are on-board



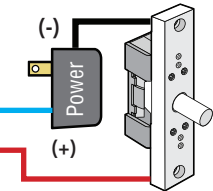
2 Power to 12VDC outlet terminal



7 Wire Exit Push Button



6 Wire Solenoid Lock



5 Enable/Disable App User Proximity Detection

- If ON, the App user is required to be near door before unlocking
- If OFF, the App user is not required to be near door before unlocking

ENTRY POINT WIRING & SETUP

INTELLE 16Z PLUS CONTROLLER BOX

WIRED PEDESTRIAN DOOR APPLICATION USING CELL HUB KEYPAD

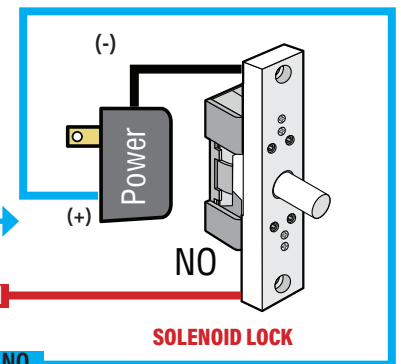


Intelle 16Z PLUS

1 Ensure Power is on and setup is completed (Pg 9-11)

7 Wire Max Cell Hub Keypad to Intelle 16Z Plus

6 Wire Solenoid Lock

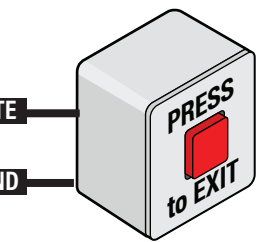
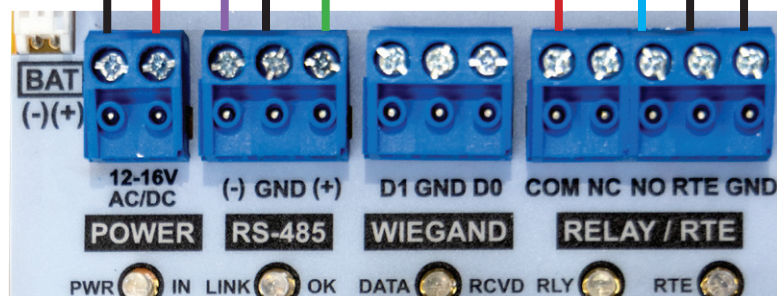


Note:

Change or program the keypad's Greeting/Call Button messages in the site's setting page on the app/web portal. Both Greeting & Call button Messages are shared between all entry points.



2 Power Input

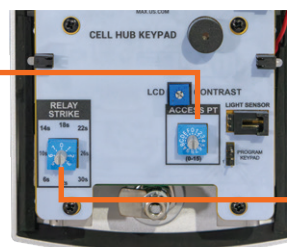


EXIT PUSH BUTTON

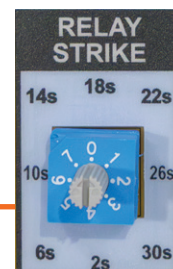
5 Wire Exit Push Button

3 Select unique "Entry Point #"

Note: Can't use 0 & 1 since those entry points are on-board



4 Select "Relay Strike Time"

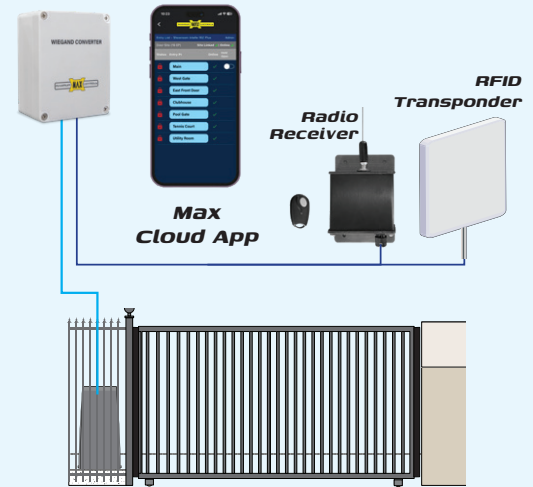


ENTRY POINT WIRING & SETUP

INTELLE 16Z PLUS CONTROLLER BOX

WIRED ENTRY GATE APPLICATION USING MAX WIEGAND CONVERTER

Wiegand Converter

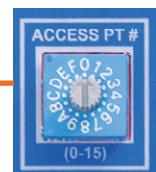


ENTRY GATE

1 Ensure Power is on and setup is completed (Pg 9-11)



2 Select unique "Entry Point #"



3 Wire Wiegand Device

Wire 26-bit transponder/
Wiegand receiver

4 Power Input

6 Wire Exit Push Button

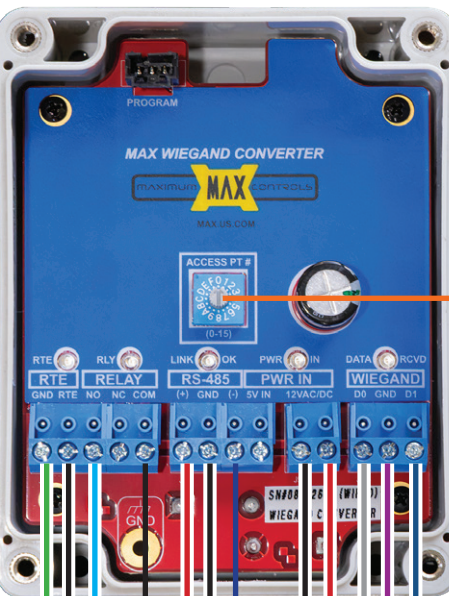


EXIT PUSH BUTTON

7 Wire Max Wiegand Converter to Intelle 16Z Plus



5 Connect Relay to the gate operator "Strike" Input

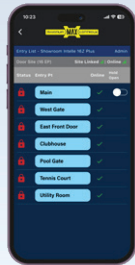


ENTRY POINT WIRING & SETUP

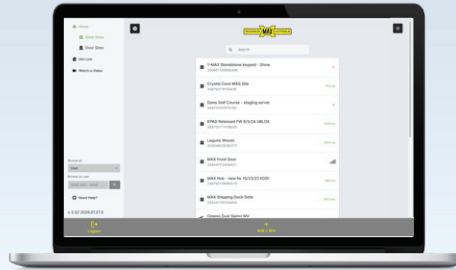
INTELLE 16Z PLUS CONTROLLER BOX

WIRELESS ENTRY POINTS OVERVIEW UP TO 14 WIRELESS (ZONES) ENTRY POINTS

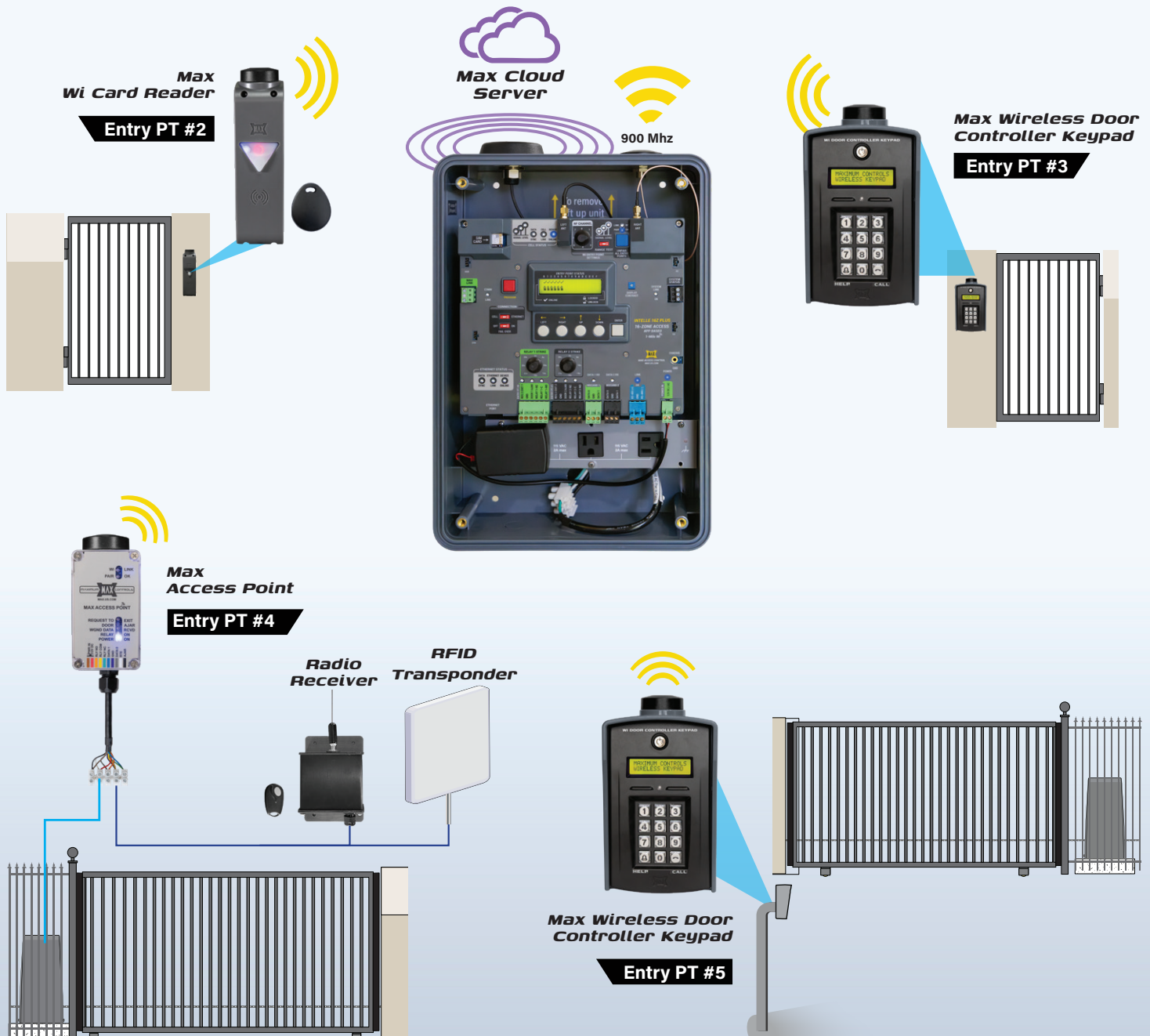
All Entry Points can be accessed using the Max app.



Max Cloud App



Web Portal



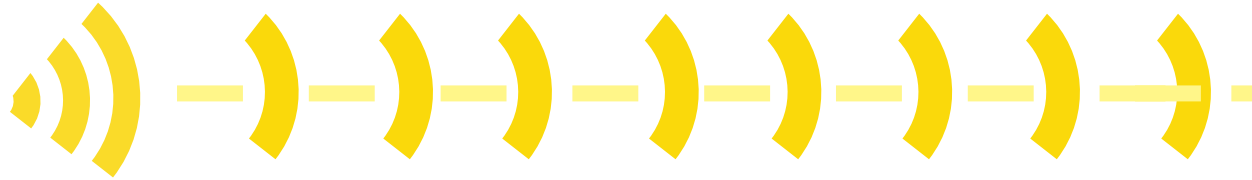
ENTRY POINT WIRING & SETUP

INTELLE 16Z PLUS CONTROLLER BOX

RANGE TEST & PAIRING USING WI ACCESS POINT

Note: The same Range Test & Pairing process is used for all Max Wireless Entry Point devices.
(i.e Max Wi Card Reader, Max Wi Kepad)

Intelle 16Z PLUS



1 Select RF channel

2 Turn ON Range Test

Signal Level LEDs will start flashing sequentially indicating range test in progress



Note: to see current wireless signal strength, check **Signal Level** LEDs on remote Entry Point unit



To erase all paired wireless units, PRESS and HOLD the pair button **on Intelle 16Z Plus** for at least 5 seconds until the pair LED starts blinking, then let go of the pair button. The LED will blink three times once the erase is completed.

ENTRY POINT WIRING & SETUP

INTELLE 16Z PLUS CONTROLLER BOX

RANGE TEST & PAIRING USING WI ACCESS POINT

3 Select same RF Channel as Intelle 16Z Plus Unit

4 Select Unique Entry PT #

5 Turn ON Range Test

6 Press the Pair Switch briefly

7 Turn OFF Range Test Switch

All 3 Signal Level LEDs will **TURN ON** when RF range is good.
If range is poor, (less than 3 LED's on) reposition Intelle 16Z Plus or Wi Access Point units to get better range.
(Refer to Appendix section "Range Troubleshooting for Entry Pts")

NOTE: "Pair OK" LED must be OFF before pairing.
If not, turn OFF range test switch and press and hold "Push to Pair" button for 5 sec until LED turns OFF.

Repeat above steps for each additional wireless units
After all wireless units are paired TURN OFF RANGE TEST ON INTELLE 16Z PLUS WIRELESS UNIT



If Entry Point # on wireless unit is changed while paired to the Intelle 16Z Plus, the unit must be unpaired and paired again to the Intelle 16 Z Plus with the new unique Entry Point #

ENTRY POINT WIRING & SETUP

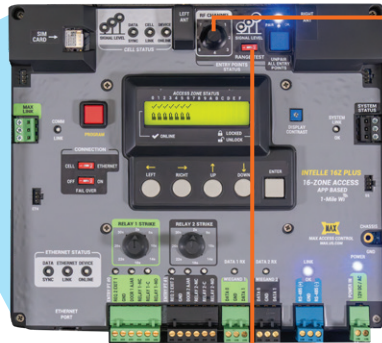
INTELLE 16Z PLUS CONTROLLER BOX

WIRELESS PEDESTRIAN DOOR APPLICATION USING MAX WI DOOR CONTROLLER KEYPAD



Intel 16Z PLUS

1 Ensure Power is on and setup is completed (Pg 9-11)



2 Select RF channel for facility

3 Turn On Range Test

Signal Level LEDs will start flashing sequentially



4 Power Input

Connect 12VDC, 1A power transformer to **Power Input** port (polarity does NOT matter)

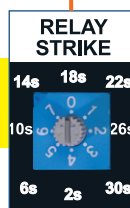


8 Push to pair if Range OK (3 LEDs ON)

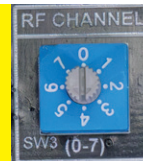
9 Turn OFF Range Test Switch

Once Intel 16Z Plus and Max Wireless Door Controller Keypad units are paired, turn OFF range test switch on Max Wireless Door Controller Keypad & Intel 16Z Plus.

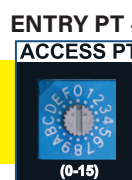
10 Select "Relay Strike" time



5 Select same RF Channel as Intel 16Z Plus Unit



6 Select unique "Entry Point #"



Note: Can't use 0 & 1 since those entry points are on-board

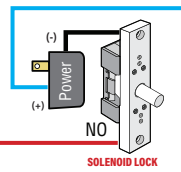
7 Turn ON Range Test



All 3 LED's will **TURN ON** when RF range is good. If range is poor, (less than 3 LED's on) reposition Intel 16Z Plus or Max Wireless Door Controller Keypad units to get better range.

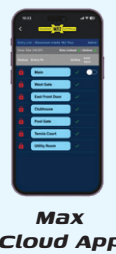
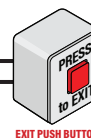
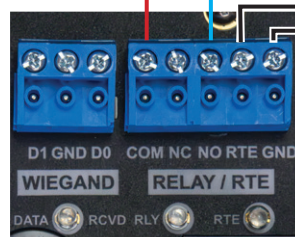
11 Wiring Solenoid Lock

Install Solenoid Lock as shown



12 Wiring Exit Push Button

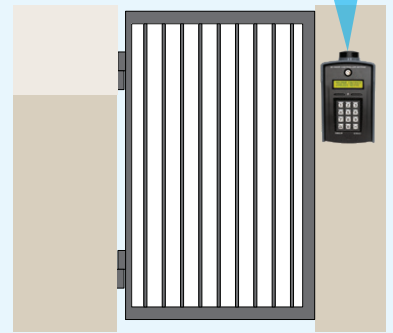
Install request to Exit Push Button as shown



Max Cloud App



Max Wireless Door Controller Keypad



PEDESTRIAN DOOR

Note:

Change or program the keypad's Greeting/Call Button messages in the site's setting page on the app/web portal. Both Greeting & Call button Messages are shared between all entry points.

ENTRY POINT WIRING & SETUP

INTELLE 16Z PLUS CONTROLLER BOX

WIRELESS PEDESTRIAN DOOR APPLICATION USING MAX WI CARD READER



Intel 16Z PLUS

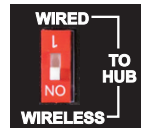
1 Ensure Power is on and setup is completed (Pg 9-11)

2 Select RF channel for facility

3 Turn On Range Tester

Signal Level LEDs will start flashing sequentially

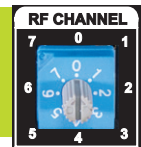
5 Set slide switch to **WIRELESS** on the Card Reader



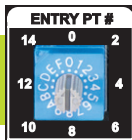
6 Select "Relay Strike" time



7 Select same RF Channel as Intel 16Z Plus Unit



8 Select a unique "Entry PT#"



Note: Can't use 0 & 1 since those entry points are on-board

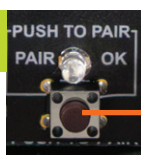
9 Turn ON Range Test



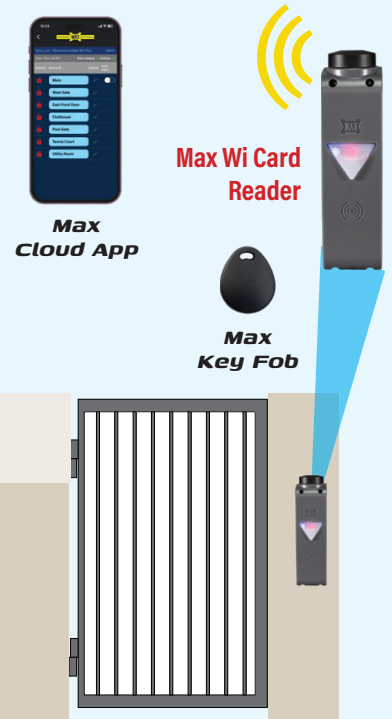
All 3 LED's will **TURN ON** when RF range is good. If range is poor, (less than 3 LED's on) reposition Intel 16Z Plus or Max Wi Card Reader units to get better range.

10 Push to Pair

If Range Ok (3 LEDs ON)



11 Turn OFF Range Test

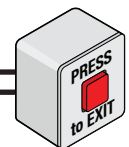


PEDESTRIAN DOOR

4 Power Input
Connect 12VDC, 1A power transformer to **Power Input** port (polarity does NOT matter)

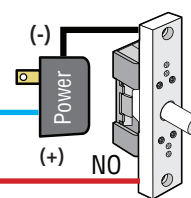
14 Wiring Exit Push Button

Install request to Exit Push Button as shown



13 Wiring Solenoid Lock

Install Solenoid Lock as shown



12 Enable/Disable App User Proximity Detection

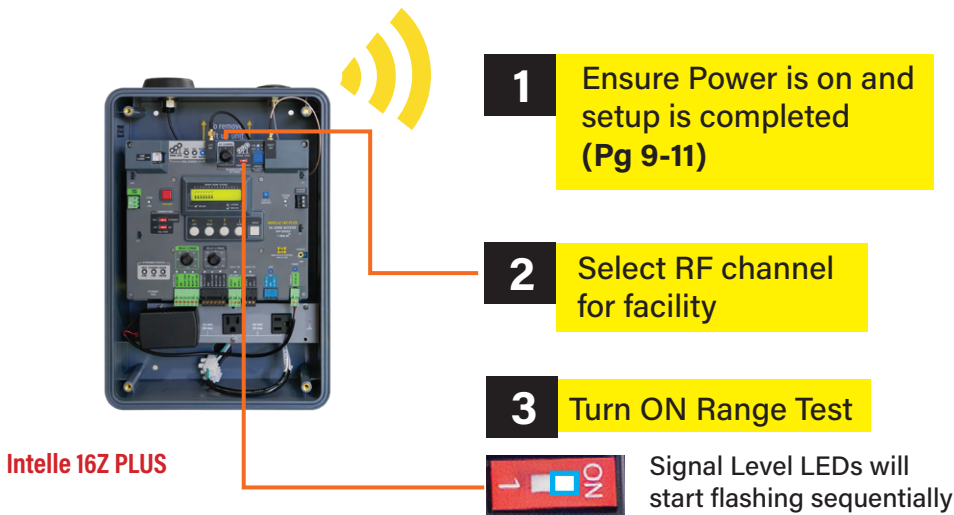
- If **ON**, the App user is required to be near door before unlocking
- If **OFF**, the App user is not required to be near door before unlocking

Once Intel 16Z Plus & Max Wi Card Reader units are paired, turn OFF range test switch on Intel 16Z Plus & Max Wi Card Reader

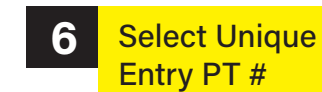
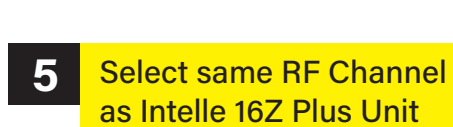
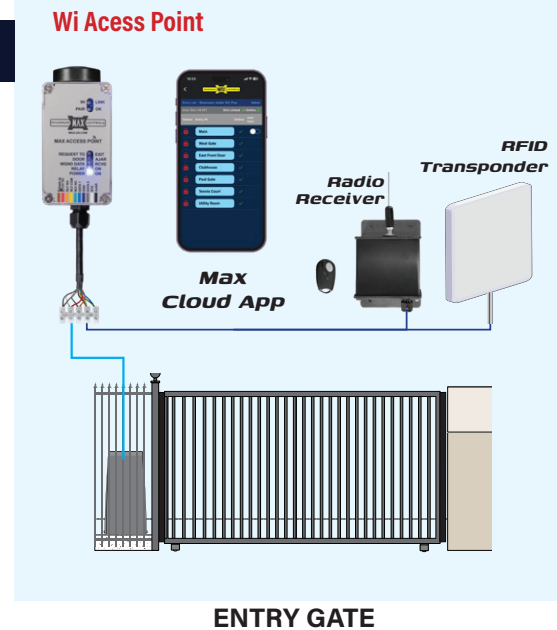
ENTRY POINT WIRING & SETUP

INTELLE 16Z PLUS CONTROLLER BOX

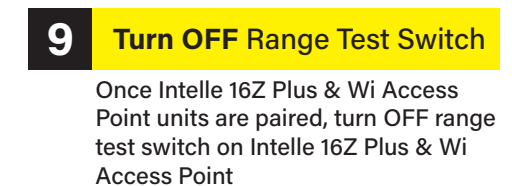
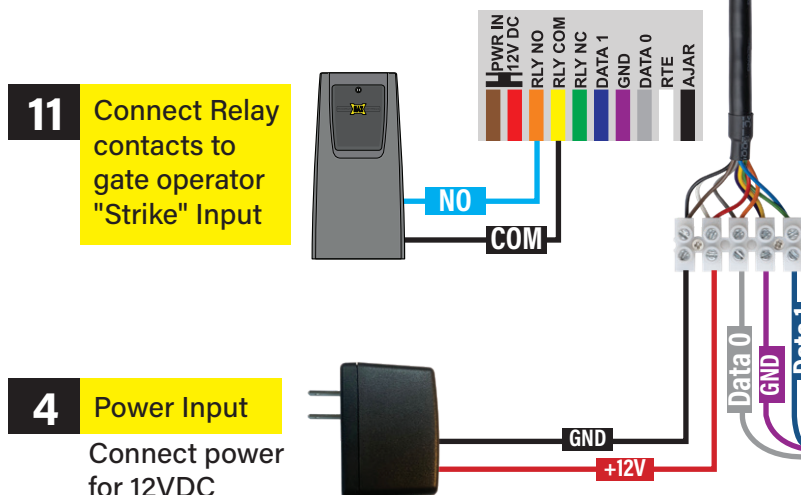
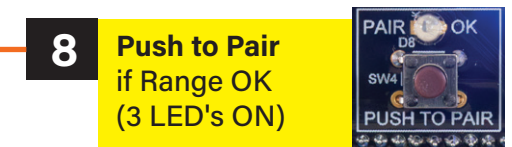
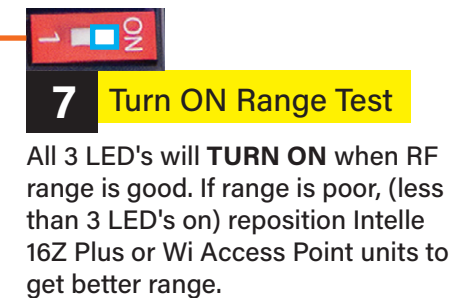
WIRELESS ENTRY GATE APPLICATION USING WI ACCESS POINT



Intelle 16Z PLUS



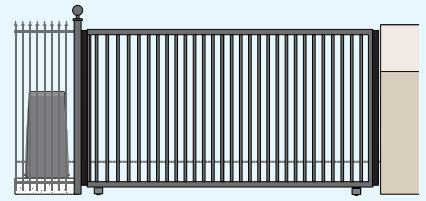
Note: Can't use 0 & 1 since those entry points are on-board



ENTRY POINT WIRING & SETUP

INTELLE 16Z PLUS CONTROLLER BOX

WIRELESS ENTRY GATE APPLICATION USING MAX WI DOOR CONTROLLER KEYPAD



ENTRY GATE



Max Wireless Door
Controller Keypad

Max
Cloud App



Intelle 16Z PLUS

1 Ensure Power is on and setup is completed (Pg 9-11)

2 Select RF channel for facility

3 Turn ON Range Test



Signal Level LEDs will start flashing sequentially

4 Power Input

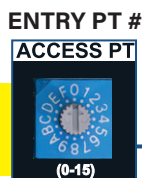
Connect power for 12VDC



5 Select same RF Channel as Intelle 16Z Plus Unit



6 Select unique "Entry PT#"

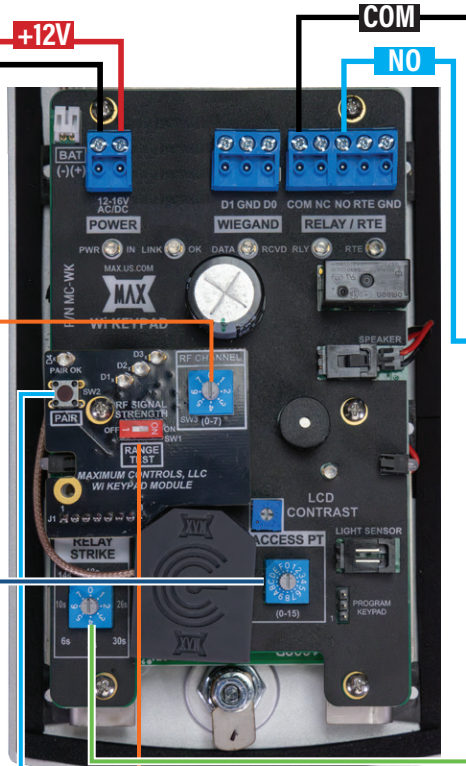


Note: Can't use 0 & 1 since those entry points are on-board

7 Turn ON Range Test



All 3 LED's will **TURN ON** when RF range is good. If range is poor, (less than 3 LED's on) reposition Intelle 16Z Plus or Max Wi Door Controller Keypad units to get better range.



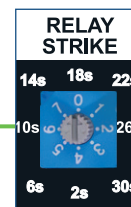
Note:

Change or program the keypad's Greeting/Call Button messages in the site's setting page on the app/web portal. Both Greeting & Call button Messages are shared between all entry points.

11 Connect Relay to the gate operator "Strike" Input



10 Select "Relay Strike" time



9 Turn OFF Range Test Switch

Once Intelle 16Z Plus & Max Wi Door Controller Keypad units are paired, turn OFF range test switch on Intelle 16Z Plus & Max Wi Door Controller Keypad

8 Push to Pair if Range OK (3 LED's ON)





APPENDIX

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Door Site Setup (Web Portal)34-37

Range Troubleshooting for Entry PTs.....38-40

Cell Connectivity Troubleshooting 41

Ethernet Troubleshooting.....42

Max Range Tester Kit Guide43-45

SIM CARD ACTIVATION

APPENDIX

SCAN QR CODE

TO

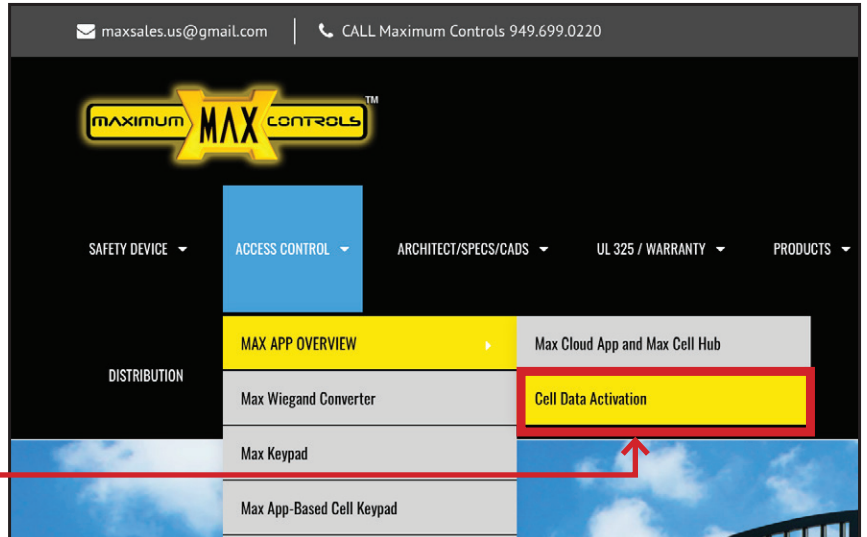
Activate HUB's SIM card at
www.Max.us.com/products-cell-data-activation



1 Go to <https://max.us.com>

2 Press Access Control on the main menu

Select **Max App Overview** then select and click on **Cell Data Activation**



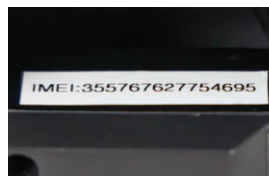
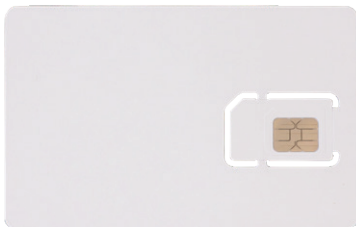
3 Start watching the video tutorial

4 Go to **Cell Data Activation** Button

Will take you to our secure portal
<https://www.iotactivate.com/>
to fill important information to
register your account



Please have in hand the Multi-carrier SIM Card provided with the Door Controller and IMEI#



IMEI# is located on the top of the
Door Controller



SIM CARD ACTIVATION

APPENDIX

5 Setting up account information

- Choose a subscription Plan
- Follow instructions on the site to complete set up your account information and submit

iotactivate

Login Sign Up

ON-DEMAND DATA PLANS FOR IOT AND M2M PRODUCTS.

Activate Now

MAX CLOUD APP & MAX CELL HUB

ACTIVATE NOW

Choose a Subscription Plan

MAX Commercial Connect Plan (100MB plans)

MAX Residential Connect Plan (10MB plans)

Password

☐ I have read the terms and conditions and I agree (click [here](#) to review)

Sign Up for IotActivate

Already have an account? [Login Now](#)

6 Enter your login info

Upon submitting your account information, you will be directed to the secure portal. **Enter the username and password previously created, then select Log In.**

iotactivate

iotactivate Wireless Data Plans
A RevX Systems Provided Service

RevX SYSTEMS

LOGIN

Keep your username secure, do not write it down, and if you're ever prompted for any security details from our rep or through e-mail exchange, do not share your login information.

If you need assistance at anytime, please feel free contact our support desk through the following link
support@iotactivate.com

Your Email Address

Password

[Forgot your password?](#)

LOGIN

7 Review SUBSCRIPTIONS

Review your data plan shown in the your Active Subscription Plans section

iotactivate

iotactivate Wireless Data Plans
A RevX Systems Provided Service

RevX SYSTEMS

Welcome Back [jake.max.us@gmail.com](#) (LOGOUT)
Your Account Number is A1125

Subscription Status
ACTIVE

ACTIVE SUBSCRIPTIONS
Your Current Subscription Plans

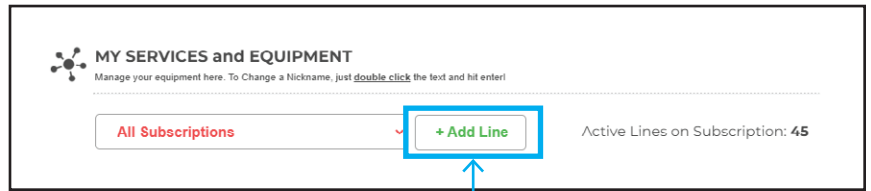
Product	Purchased	Next Billing	Expires	Qty	Price
MAX Commercial Connect Plan (100MB plans) The MAX Commercial Connect Plan is designed for heavy traffic commercial and community gate control and provides for AT&T and VERIZON service - whichever carrier your equipment is built for. The monthly fee is \$15 per active gate and will be billed on the monthly anniversary of your first gate activation.	09-29-2020	11-29-2020	never	1	per usage
MAX Residential Connect Plan (10MB plans) The MAX Residential Connect Plan is designed for vacation and primary residence gate security and provides for ample gate activity for the monthly fee of \$7.95 per active gate. Your gate can be activated on AT&T or VERIZON - whichever carrier your equipment is built for.	07-30-2020	11-30-2020	never	3	per usage

SIM CARD ACTIVATION

APPENDIX

8 Activate SIM card

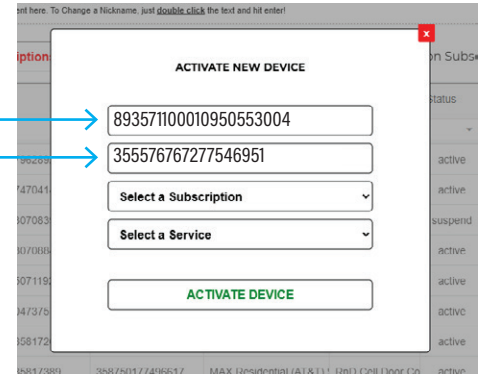
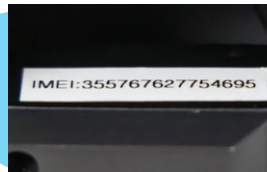
a.- Go to **My Services and Equipment** and **click Add Line** to add new line.



b.- Enter the **ICCID** information located on the back of the SIM Card provided

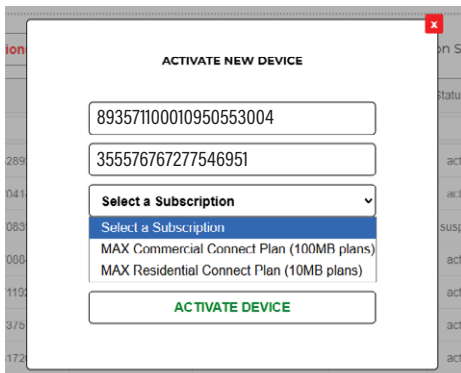


c.- Enter the **IMEI#** that is located on the top of the Door Controller

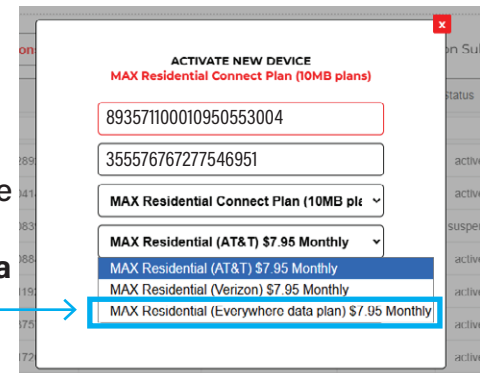


Please double check your entry to ensure cell connectivity

d.- Select a Subscription plan

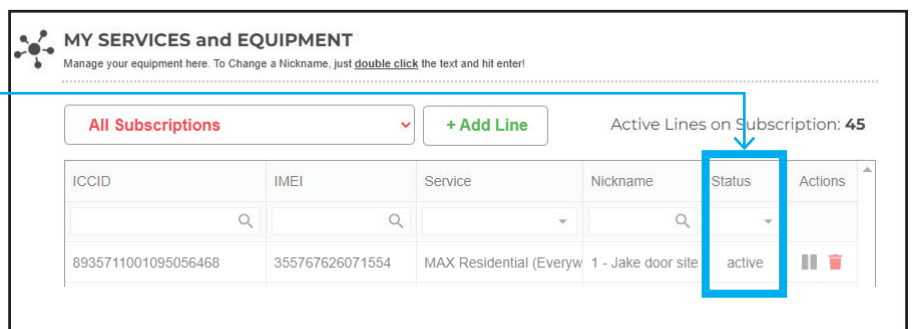


e.- Select a Service plan - for a **Multi-Carrier Card** the plan selected should be **MAX Residential (Everywhere Data Plan)**



e.- Activate Device and Review the status of your device; should show **ACTIVE**. In the event that shows **PENDING**, refresh your browser

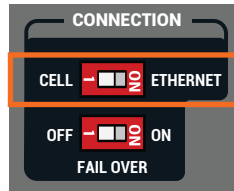
f.- Now your device is ready. Please **LOGOUT** on the top of the website



STATIC IP SETUP

APPENDIX

- 1** Make sure the connection slide switch is set to **Ethernet**



- 2** Enter **Program Menu**

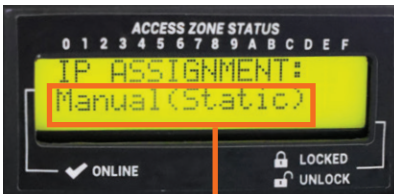


Press and hold the Program Button for about 5 seconds

- 3** Press the **Right/Left** buttons to go to "IP Assignment" option



- 4** Press the **Up/Down** buttons to select "Manual (Static)" option



- 5** Press the **Right/Left** buttons to go "IP Address" menu option



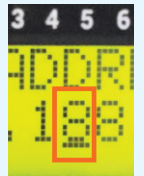
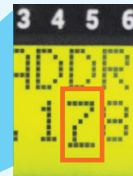
- 6** Press the **Enter** button to go into "IP Address" menu option



STATIC IP SETUP

APPENDIX

- 7** Set desired **Static IP Address** with **Left/Right & Up/Down** buttons



Note: To adjust the numbers on the display, use the Up and Down arrows to change the selected digit. To move to the next or previous digit, use the **Left** and **Right** arrows



- 8** To exit "IP Address" menu options move cursor over to the blank area and press **Enter** button



- 9** Repeat 5-8 for "**Gateway Address**" & "**Subnet Mask**" if necessary



- 10** To save changes exit the **Program Menu**, by tapping the **Program** button



For best results power **cycle** the Door Controller after exiting the program menu

Check if your settings are saved by reentering the program menu. If they are not saved (something went wrong). Try again.

If settings still not saved call our tech support line at **(949) 699-0220**

APP DOWNLOAD (MAX CLOUD APP)

APPENDIX

1 Getting Max Cloud App

Max Cloud App is available for download on:

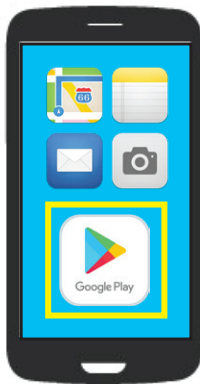


SCAN QR CODES
TO DOWNLOAD "MAX Cloud App"

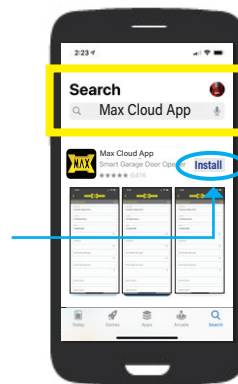


2 How to install Max Cloud App on **android phones**

1. Open the **Google Play Store** App in your phone.



2. Type Max Cloud App in the search bar
3. Tap the Install button.



4. Confirm the installation
5. Open Max Cloud App by clicking Max Cloud app icon

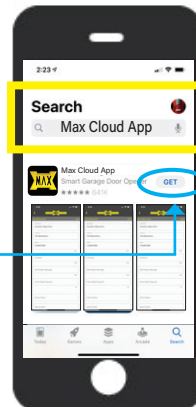


2.1 How to install Max Cloud App on **iPhone**

1. Open the **App Store** in your iPhone.



2. Type **Max Cloud App** in the search bar
3. The app will be shown below the search bar, press **GET** to download



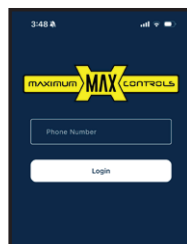
Confirm the installation

Open Max Cloud App by clicking the Max Cloud App Icon

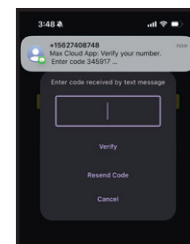


3 Max Cloud Login for the first time

1. Open the **Max Cloud app** on your phone.
2. Add a phone number then press **Login**.
Android phone does automatic verification



3. On **iPhone** phone Max Cloud app will send you a code to verify your account. Enter the code and press **verify**, now you Max Cloud app is now ready.



NOTE:

If new Max Cloud app user, you will be prompted to pay a one-time fee.

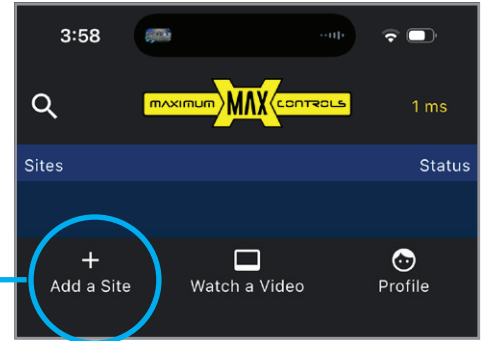
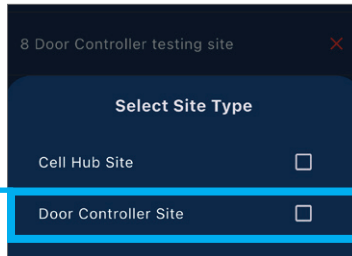
DOOR SITE SETUP

APPENDIX

1 Add a New Door Site on App

Click on the + **Add a Site** icon in app

Select "**Door Controller**" site in pop-up Menu



2 Setup Door site info

a.- Enter a site name

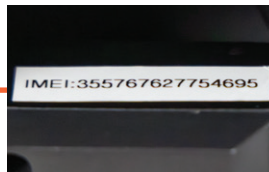
b.- Enter the IMEI# of the Max Door Controller if using cellular connectivity

OR

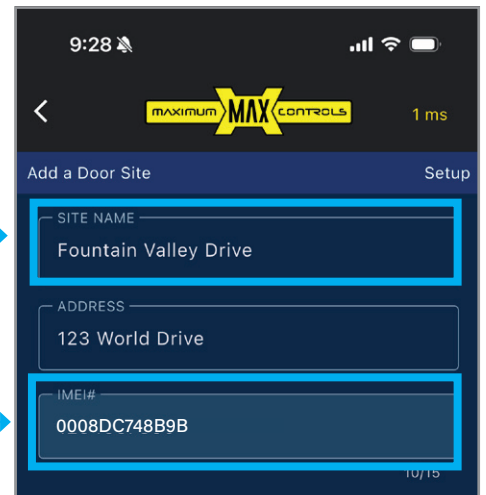
c.- Enter the MAC address of the Max Door Controller if using Ethernet connectivity



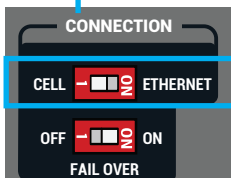
MAC Address
If using **Ethernet** connectivity



IMEI#
If using **Cellular** connectivity



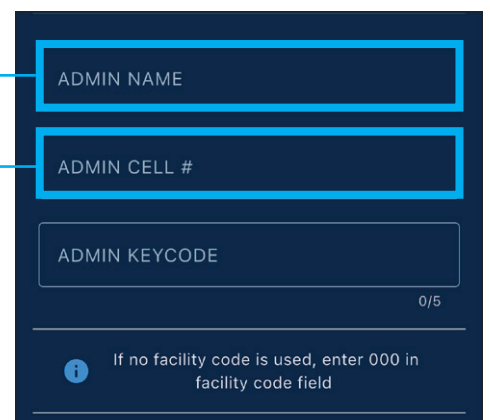
Please double check your entry to ensure Cell/ Ethernet connectivity



d.- If Fail Over is used, enter IMEI # or MAC address depending on the primary connection type

3 Set up ADMIN for the Door site

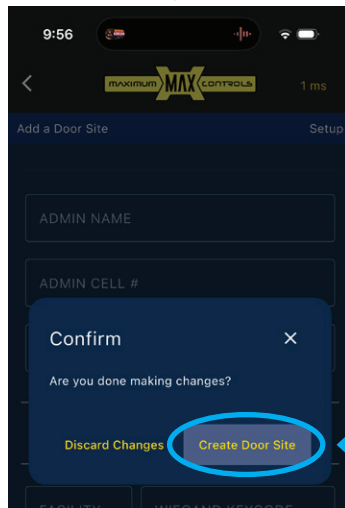
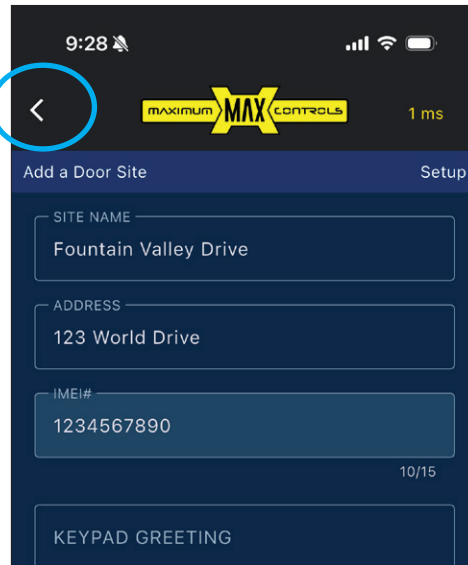
Add the name and cell # of the person who will manage the Door site



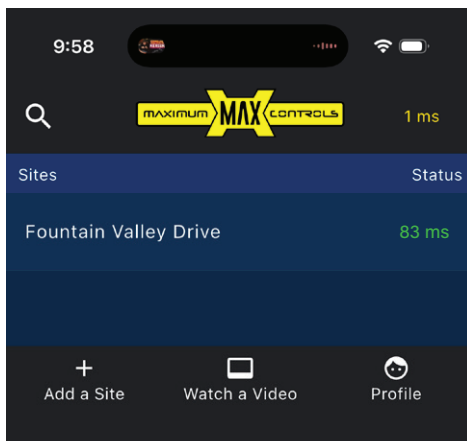
DOOR SITE SETUP

APPENDIX

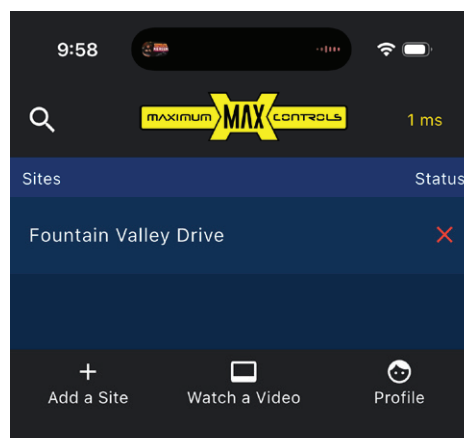
- 4** Press the **back** button on the top left of the screen



- 5** Click and confirm **Create Site**



✓ Now your new Door site is active



TROUBLESHOOTING

If your new Door site shows **X**, go back to settings in app and check your IMEI#/MAC address

DOOR SITE SETUP

APPENDIX

6 Admin App Menus



Use **Hold Open** to keep Entry Point Unlocked (If option enabled in Entry Point settings)

To add **Short Term** Guest Passes (Hourly)

Virtual transmitter to LOCK or UNLOCK Entry Point

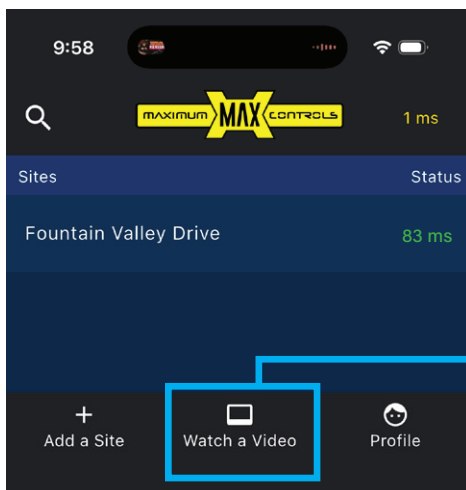
Use **UNLOCK** button to operate main Entry Point

Use **OTHER ENTRY** to operate other Entry Points that are setup

To program*
 ▪ Door settings
 ▪ Keypad greeting & call button message
 ▪ Entry Point settings

To get diagnostic reports:
 ▪ **EVENT LOG** for all door site transactions

To add **Long Term** guest passes (Weekly) and users/admins



Watch video tutorials from Max Cloud App, just go to the home screen

SCAN CODE
to watch tutorial



OR

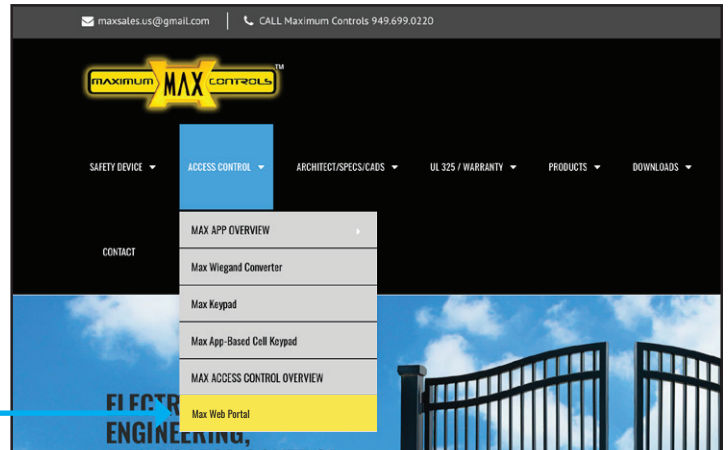
To SCAN code: open your Camera app and point it steadily for 2-3 seconds towards the **QR Code to watch video tutorial**

DOOR SITE SETUP (WEB PORTAL)

APPENDIX

1 Getting Web Portal

Visit Max.us.com on your computer/laptop and click the **Web Portal** link

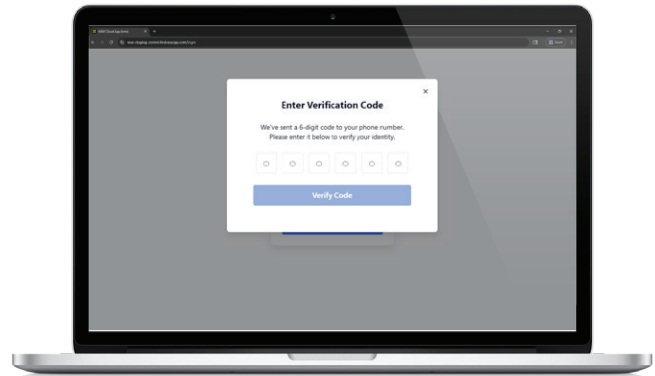
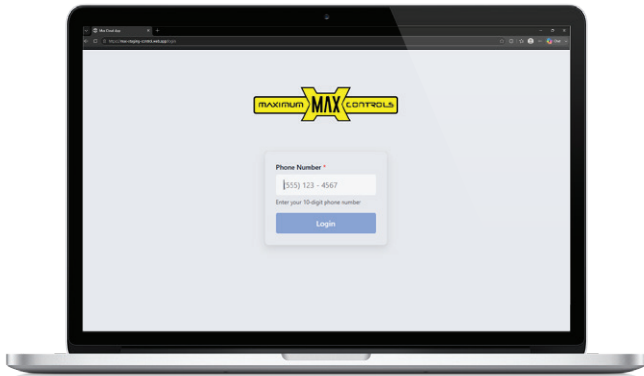


2 Web Portal login for the first time

1. Open the **Web Portal** on your laptop/computer
2. Enter your phone number then press **Login**.

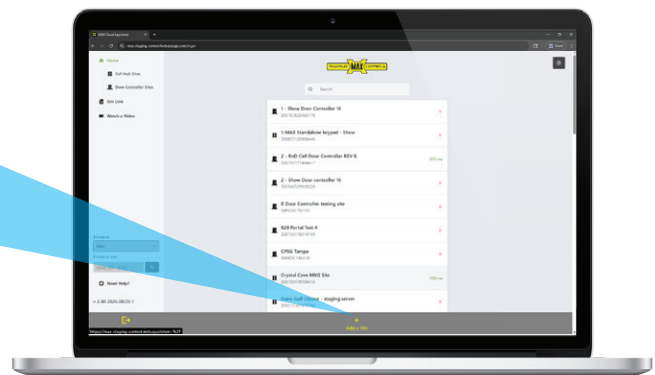
3. The **Web Portal** will send a code to your phone number to verify your account. Enter the code and press **verify**, your Web Portal is now ready.

NOTE:
User must create a Max Cloud account through the app before accessing the web portal



3 Press Add a Site

Click on the + **Add a Site**

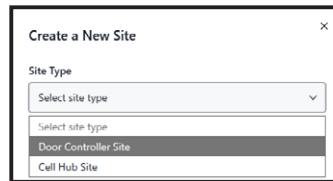


DOOR SITE SETUP (WEB PORTAL)

APPENDIX

4 Add a New Door Site on the Web Portal

Select site type
"Door Controller Site"



Create a New Site

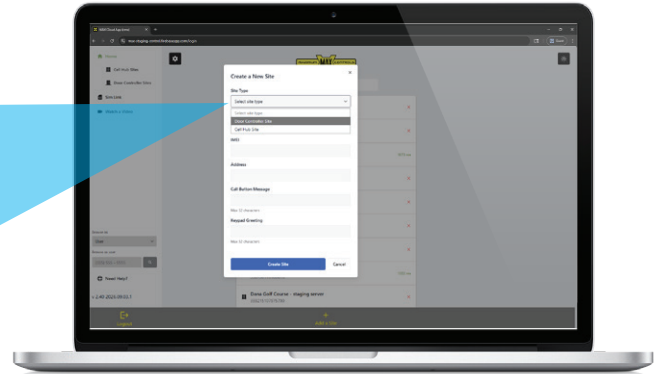
Site Type

Select site type

Select site type

Door Controller Site

Cell Hub Site



5 Setup Door site info

a.- Enter a site name

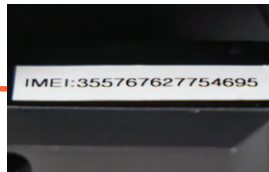
b.- Enter the IMEI# of the Max Door Controller if using cellular connectivity

OR

c.- Enter the MAC address of the Max Door Controller if using Ethernet connectivity



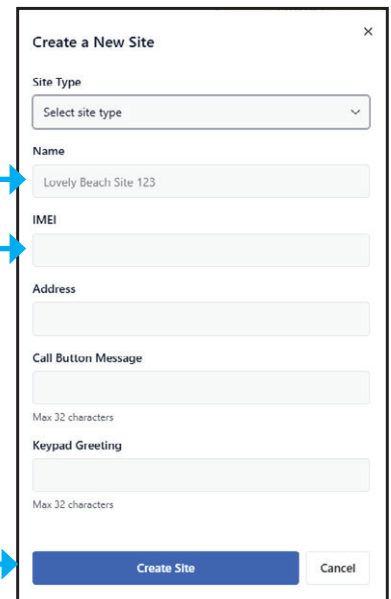
MAC Address
If using **Ethernet** connectivity



IMEI#
If using **Cellular** connectivity

d.- If Fail Over is used, enter IMEI # or MAC address depending on the primary connection type

e.- Click and confirm **"create site"**



Create a New Site

Site Type

Select site type

Name

Lovely Beach Site 123

IMEI

Address

Call Button Message

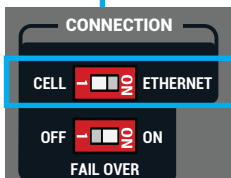
Max 32 characters

Keypad Greeting

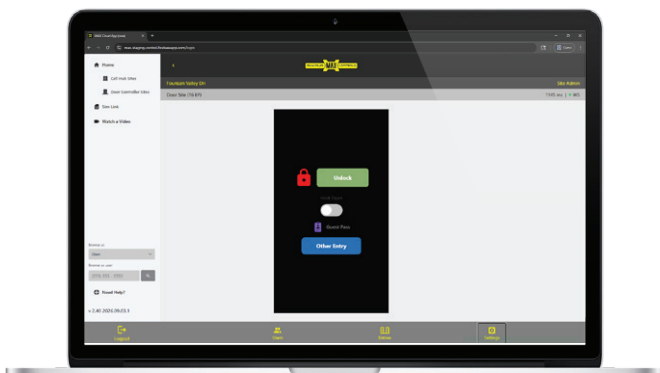
Max 32 characters

Create Site

Cancel



6 Now your Door site is created



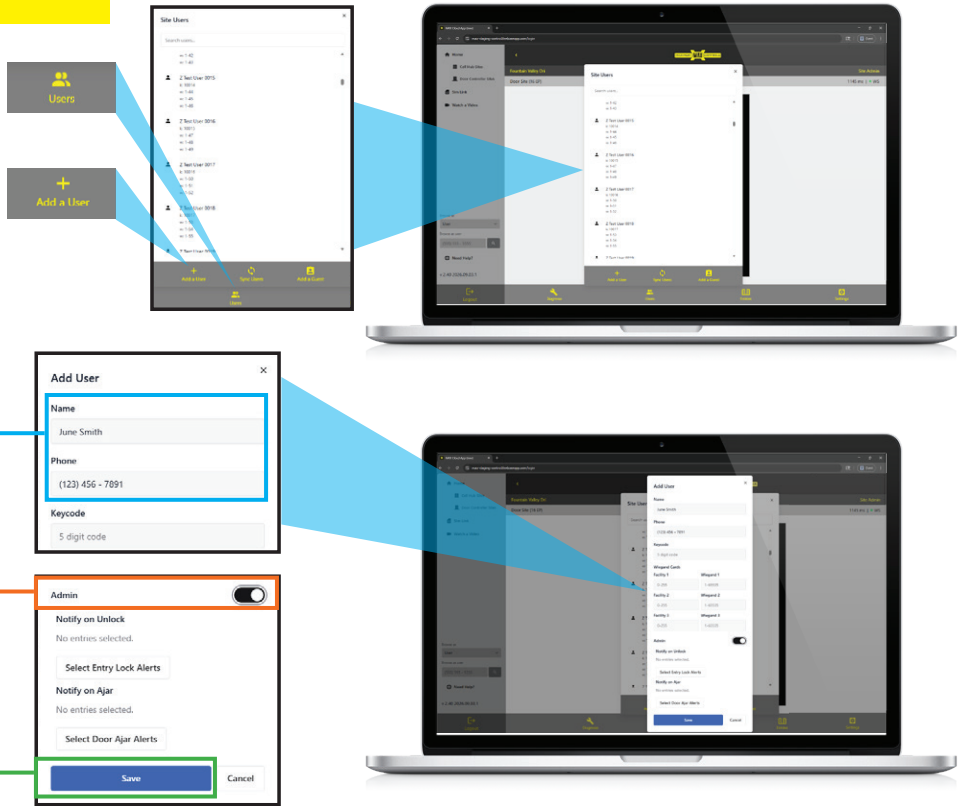
Please double check your entry to ensure Cell/Ethernet connectivity

DOOR SITE SETUP (WEB PORTAL)

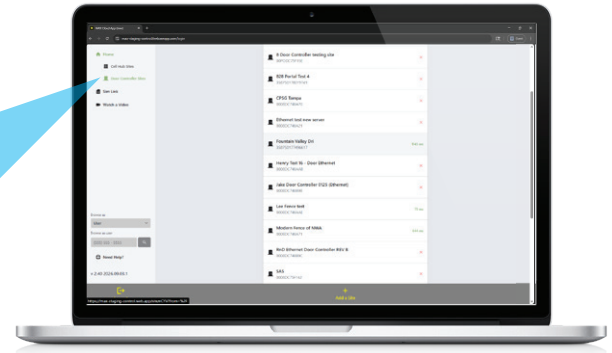
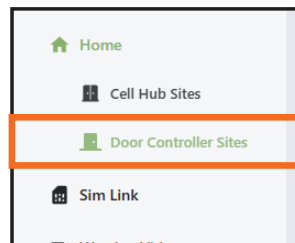
APPENDIX

7 Setup Admin for the Door site

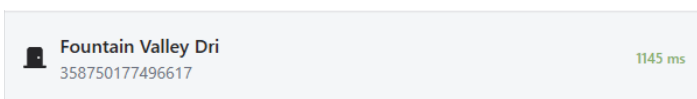
- Select **Users** tab
 - Click on **Add a User** button
 - Add the **Name** and **Cell #** of the person who will manage the Door site.
 - Turn on **"Admin"** slide switch
 - Click on **Create Admin**
- Admin is now created



8 Press the "Door Sites" on the top left of the screen

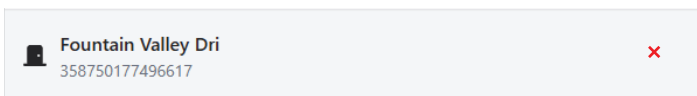


9 Now your new Door Site is active



1145 ms

Door Site is active



X

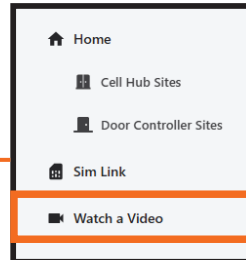
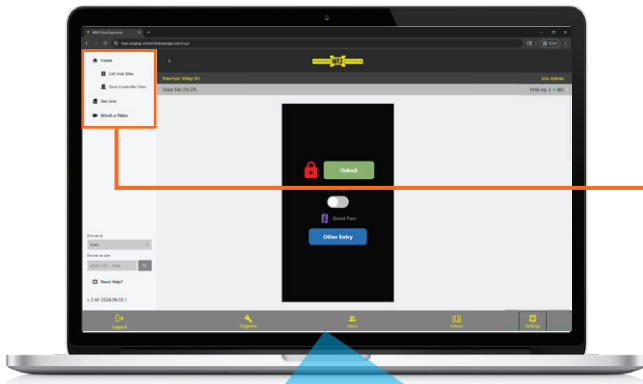
TROUBLESHOOTING

If your new Door site shows "X", go back to settings in the site and check your IMEI#/MAC address

DOOR SITE SETUP (WEB PORTAL)

APPENDIX

10 Admin Web Portal menus

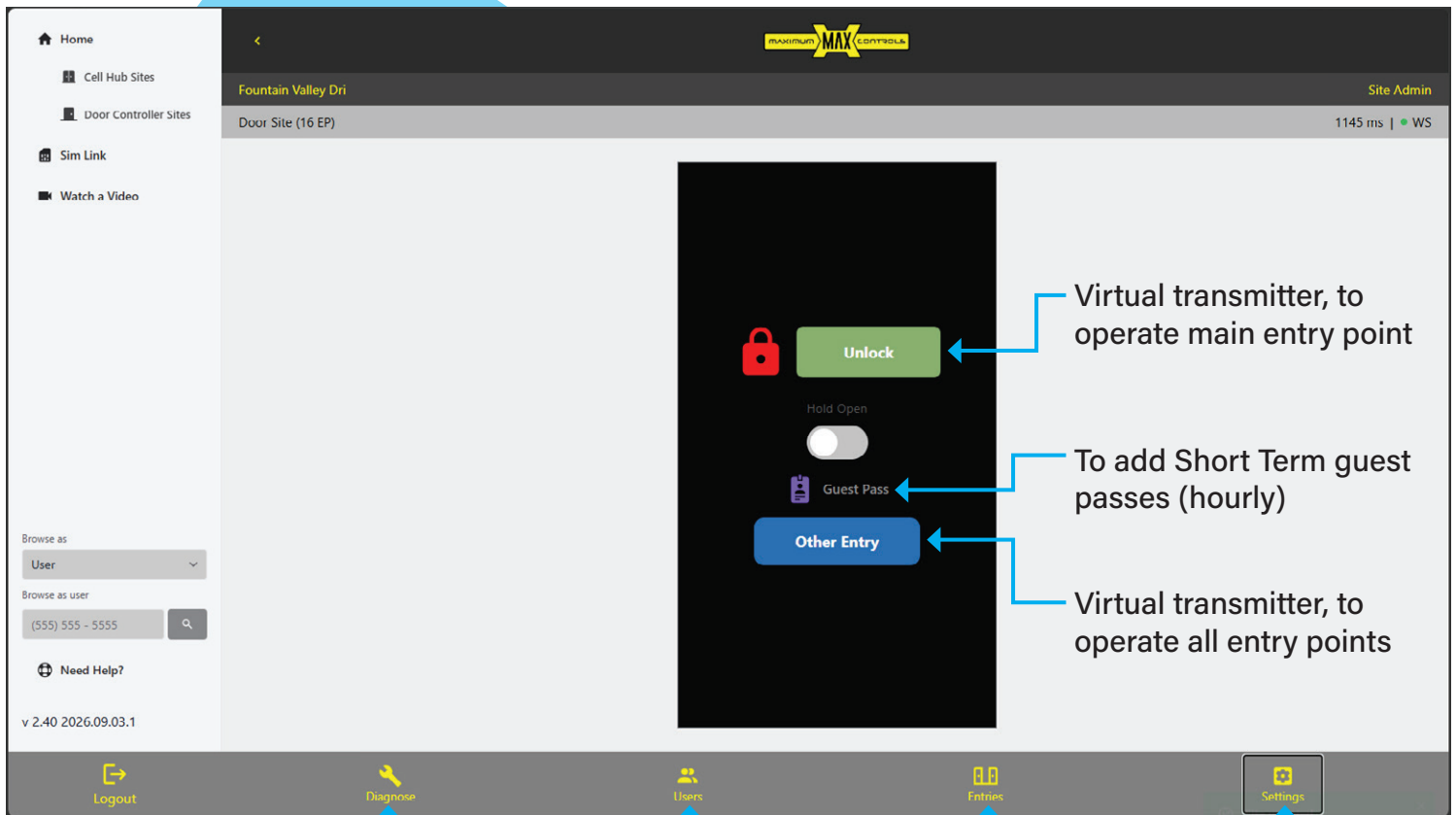


OR

SCAN CODE
to watch tutorial



Watch video tutorials
from the Web Portal



Virtual transmitter, to
operate main entry point

To add Short Term guest
passes (hourly)

Virtual transmitter, to
operate all entry points

Diagnose

To get Diagnostics
Report and Event
Log of all door site
transactions

Users

To add users and
Long Term guest
passes (weekly)

Entries

- Edit entry point
settings
- Edit Auto-Open Timer/
Access Schedule for
each entry point

Settings

- To program*
- Door settings
 - Keypad greeting &
call button message
 - To delete door site

MAX WIRELESS REPEATER

To extend range for entry points, consider using **MAX WIRELESS REPEATER**

Bridges the gap caused by signal-blocking obstacles—such as trees, metal structures, and/or concrete walls between any entry point and door controller.



Intel 8Z



Max Wireless Repeater



Max Wireless Card Reader



Max Wireless Repeater



Max Access Point



Max Wireless Repeater



Max Wireless Door Controller Keypad

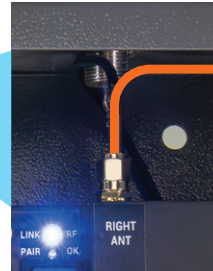
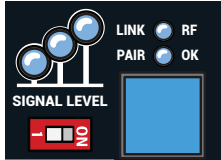
RANGE TROUBLESHOOTING FOR ENTRY PTS

APPENDIX



USE OF HIGH GAIN ANTENNA

If range is poor (Less than 3 LEDs) for any of the **Entry Points**, consider using **High Gain Antenna** on Door Controller.



Intel 16Z PLUS Door Controller

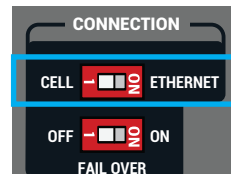
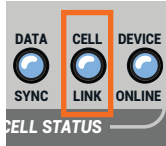


Note: If you remove the existing dome antenna from the top of the metal box, ensure the opening is properly sealed to prevent water intrusion.

High Gain Antenna



If **Cell Link LED** is not blinking, the Controller has no communication with the tower



Intelle 16Z PLUS Door Controller

- 1 Double check that connection type is set to "Cell"
- 2 Make sure SIM is activated see appendix section "SIM Card Activation"
- 3 If Cell Connectivity is poor, consider using **High Gain Antenna** on Door Controller



Intelle 16Z PLUS Door Controller

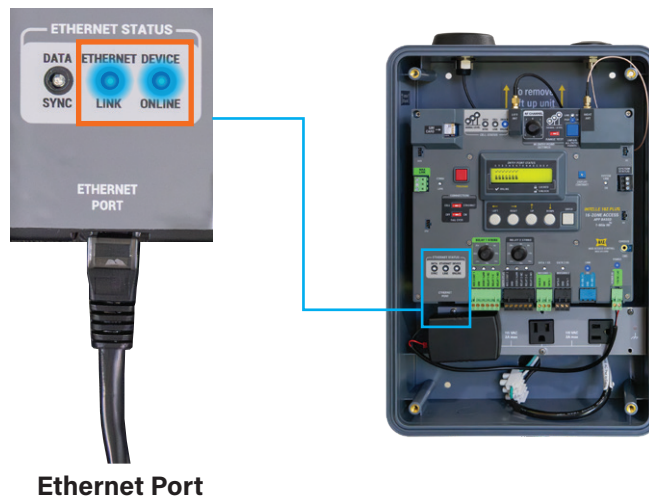


High Gain Antenna
WE-46ATK

Note: If you remove the existing dome antenna from the top of the metal box, ensure the opening is properly sealed to prevent water intrusion.

If **Cell Link LED** still **NOT** blinking call our tech support line at (949) 699-0220

If Ethernet **Link LED** is on and **Device Online LED** is blinking (1 sec on, 1 sec off) then, the Controller has no internet connection



- 1** If connecting to a **Secure System**, give MAC address to Network Admin/Network IT, so they can allow this MAC Address to connect to the Network (approve the MAC Address)
- 2** If connecting to an **Advanced Home/Business Network System** that requires a Static IP for all connected devices, see section "Setting Static IP" to set the Static IP, Gateway Address, and Subnet Mask on the Door Controller. **(Only available on Intelle 16z Plus)**
- 3** If connecting to a **Regular Home/Business Network System**, check Network Status by plugging in the Ethernet cable into a laptop to verify internet access

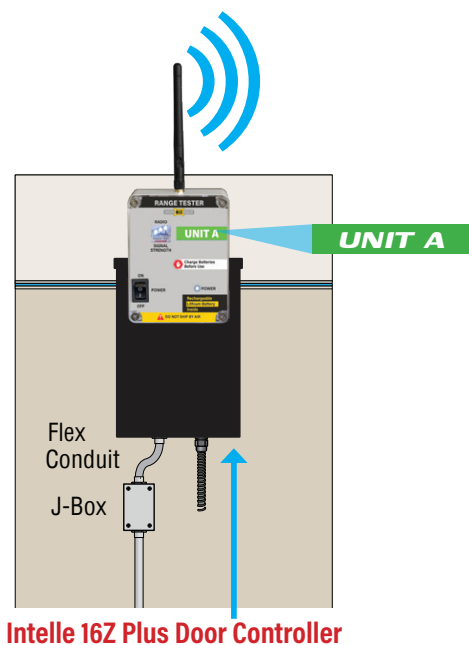
If **Device Online LED** is still blinking call our tech support line at **(949) 699-0220**

MAX WIRELESS RANGE TESTER KIT

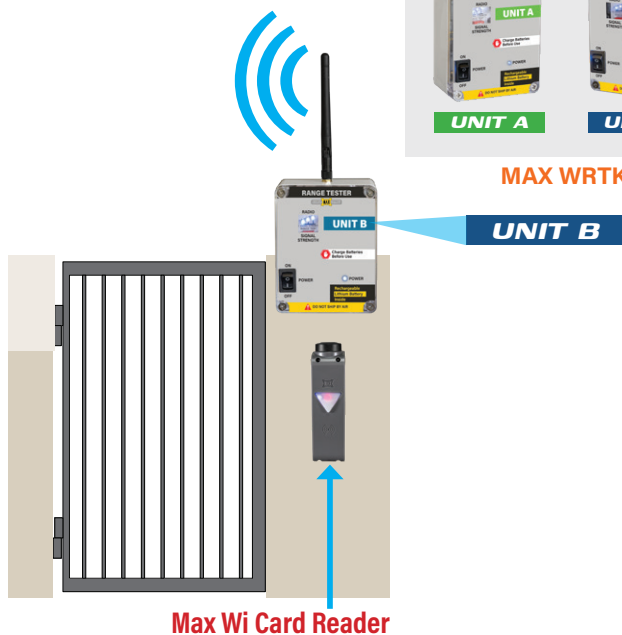
APPENDIX



Use this Range Tester Kit to determine wireless range for each Entry Point in an application



Intelle 16Z Plus Door Controller



Max Wi Card Reader



MAX WRTK

UNIT B

THIS UNIT INCLUDES RECHARGEABLE BATTERIES

MUST CHARGE BATTERIES BEFORE TESTING RANGE (CHARGER INCLUDED)

Note: Low batteries can give inaccurate range readings

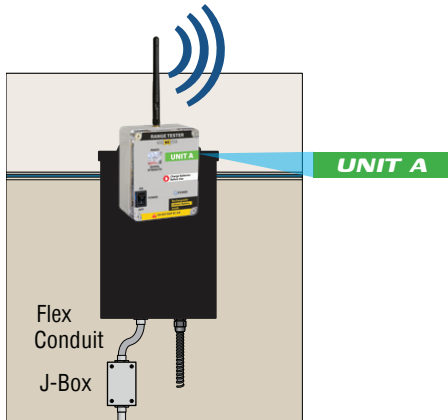
- 1** CHARGE BATTERIES ON BOTH UNITS UNTIL GREEN LED SHOWS ON CHARGER
Turn on Unit **A** and Unit **B**
- 2** PLACE UNIT **A** DOOR CONTROLLER MOUNTING LOCATION
- 3** PLACE UNIT **B** ENTRY POINT MOUNTING LOCATION
- 4** TEST RANGE BETWEEN UNITS **A** AND **B** AT BEST RANGE (3 LEDS ON)
- 5** REPEAT THE SAME TO TEST RANGE FOR THE NEXT WIRELESS ENTRY POINT
(JUMP TO STEP 2)

IF RANGE IS POOR, TRY THE FOLLOWING

- Reposition Unit **B**
- Reposition Unit **A** (Door Controller location)
(Consider installing Door Controller outside of building)

IF RANGE IS STILL POOR:

Plan to use a repeater mid way between unit **A** & **B**



Intelle 16Z Plus Door Controller



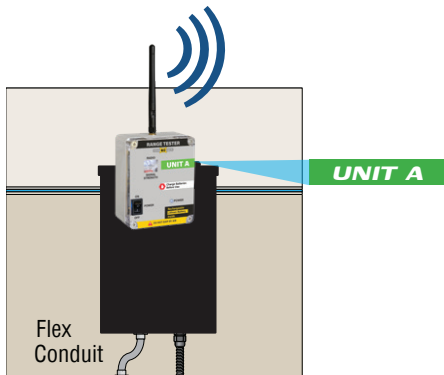
Max Wireless Repeater



Max Wi Card Reader

TO DETERMINE REPEATER LOCATION:

A Place unit **A** at Door Controller location



Intelle 16Z Plus Door Controller

B Place Unit **B** as far as possible from Unit **A** toward **Entry Point** (possible Repeater location) while maintaining good range



Max Wireless Repeater

C Move unit **A** to Unit **B** location and move Unit **B** to **Entry Point** location and check for good range



Max Wireless Repeater



Max Wi Card Reader

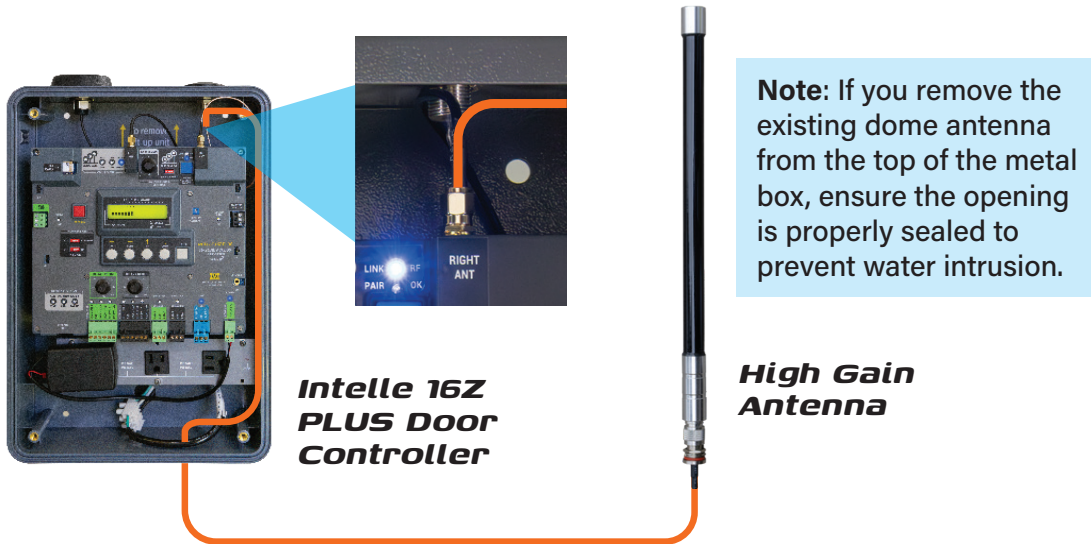
If range is good, the new location of Unit **A** is the ideal **Max Wireless Repeater** location

MAX WIRELESS RANGE TESTER KIT

APPENDIX

IF RANGE IS STILL POOR:

If range is still poor (Less than 3 LEDs) for any of the **Entry Points**, consider using **High Gain Antenna** on Door Controller



A Place unit **A** at Door Controller mounting location with High Gain Antenna



B Test Range between units **A** and **B** at best range (3 LEDs ON)

QUICK INSTALLATION GUIDE

INTELLE 16Z PLUS

DOOR CONTROLLER 16 ZONE

- * Outdoor- 1 Mile (line-of-sight)
- * Indoor- 1000 ft (Urban)



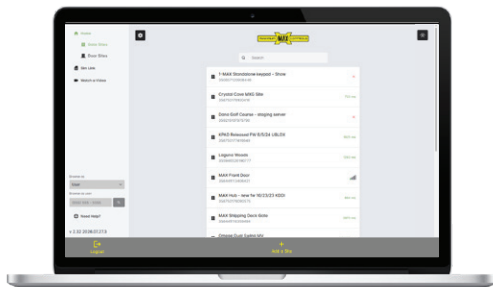
AT&T verizon T-Mobile



All Entry Points can be accessed using the Max app.

Max Cloud App

One-Time App Purchase Required



Web Portal

Account Setup via Mobile App Required



Intelleg 16Z PLUS
MAX DC16Z

UP TO*
1 Mile Range



Wi Card Reader
MAX WCR



MAX
KEY FOB



Cell Hub
Keypad



MAX
KEY FOB

Wired Card
Reader
MAX CR



Wiegand
Converter



Wi Access
Point
MAX WAP



Wi Door
Controller
Keypad
MAX WDCK



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