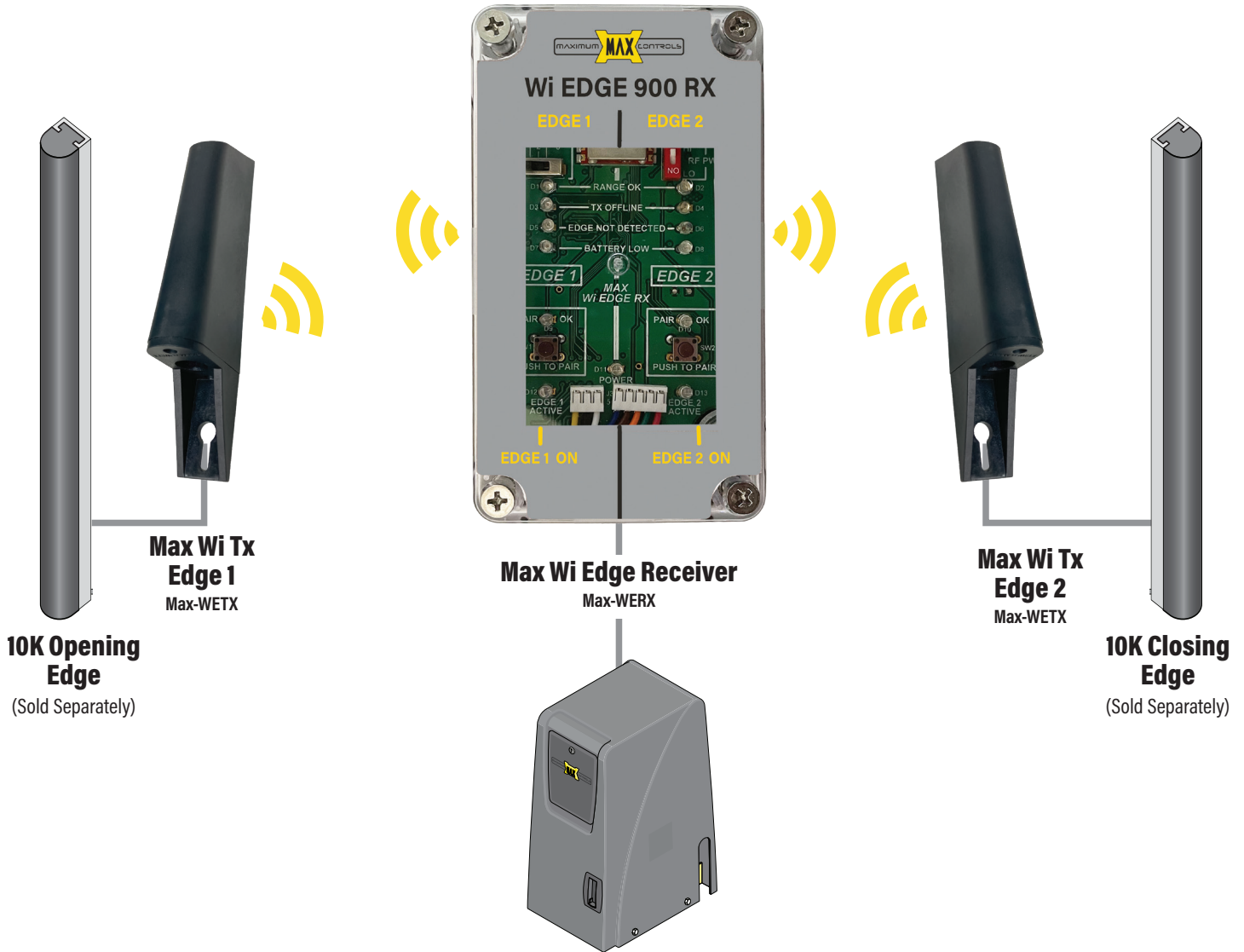


QUICK INSTALLATION GUIDE

MAX WIRELESS EDGE 900

RESIDENTIAL / COMMERCIAL / INDUSTRIAL APPLICATION

200 FT RANGE



MAX Wi Edge Kit
Works exclusively with Max Gate Operators





Maximum Controls LLC • 949.699.0220

10530 Lawson River Ave. Fountain Valley CA 92708 • www.MAX.US.com



Max Wireless Edge

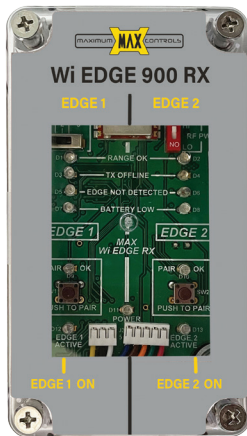
Wi Edge KIT Overview.....	3
Wi Edge Receiver Installation Overview.....	4
Installing Opening 10k Edge using Wi Tx Edge 1.....	5
Installing Closing 10k Edge using Wi Tx Edge 2.....	6
RF Channel Selection.....	7
RF Power Lever Selection.....	8
Troubleshooting.....	9

TECHNICAL DATA	MAX-WETX	MAX-WERX
Operating range	Up to 200 ft. (line of sight)	Up to 200 ft. (line of sight)
Operating frequency	915 MHz	915 MHz
Response time	100ms	100ms
Environmental rating	UL 325 Compliant	UL 325 Compliant
Power supply		12 VDC (From Matrix III 10K UL Sensor Port)
Battery Type	AA ₈ Lithium batteries Energizer "Ultimate Lithium" (3500 mAh)	
Current draw	NA	70 mA
Operating temperature	-10°...156°F	-10°...156°F
Dimensions (L x W x H)	2.25" d x 1"w x 7.125" h	1.625" d x 2.5"w x 4.5" h
Weight	0.3 lbs	0.8 lbs
Battery life	Approximately 2 years	 

* Only use the specified battery type listed above. (ENERGIZER L91 Ultimate Lithium)

Max Wi Tx Edge 1

Max-WETX



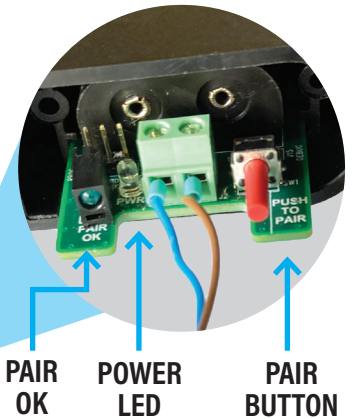
HOUSING →

BATTERY HOLDER →

200 FT RANGE
(LINE OF SIGHT)

Max Wi Tx Edge 2

Max-WETX



Max Wi Edge Receiver

Max-WETX

EDGE 1

RF CHANNEL

RANGE OK LED

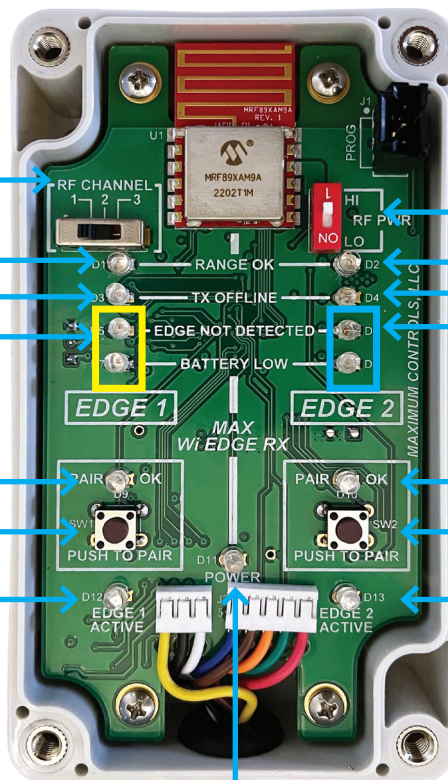
TX OFFLINE

ERROR STATUS LEDs

PAIR OK LED (EDGE 1)

PAIR BUTTON WITH TX EDGE 1

LED ON WHEN TX EDGE 1 IS TRIGGERED



EDGE 2

RF POWER LEVEL (HI OR LOW)

RANGE OK LED

TX OFFLINE

ERROR STATUS LEDs

PAIR OK LED (EDGE 2)

PAIR BUTTON WITH TX EDGE 2

LED ON WHEN TX EDGE 2 IS TRIGGERED

POWER LED
MAX WI EDGE RECEIVER



A Max Wi Edge Receiver module can communicate with two wireless edge transmitters. For instance one for OPENING direction and one for CLOSING. Wi Tx Edge 1 can be used for OPENING 10k Edge and Wi Tx Edge 2 for CLOSING 10k Edge.

WI EDGE RECEIVER
with mounting
bracket
(provided)



INSTALLING **WI EDGE RECEIVER** ON MAX SLIDER OPERATOR

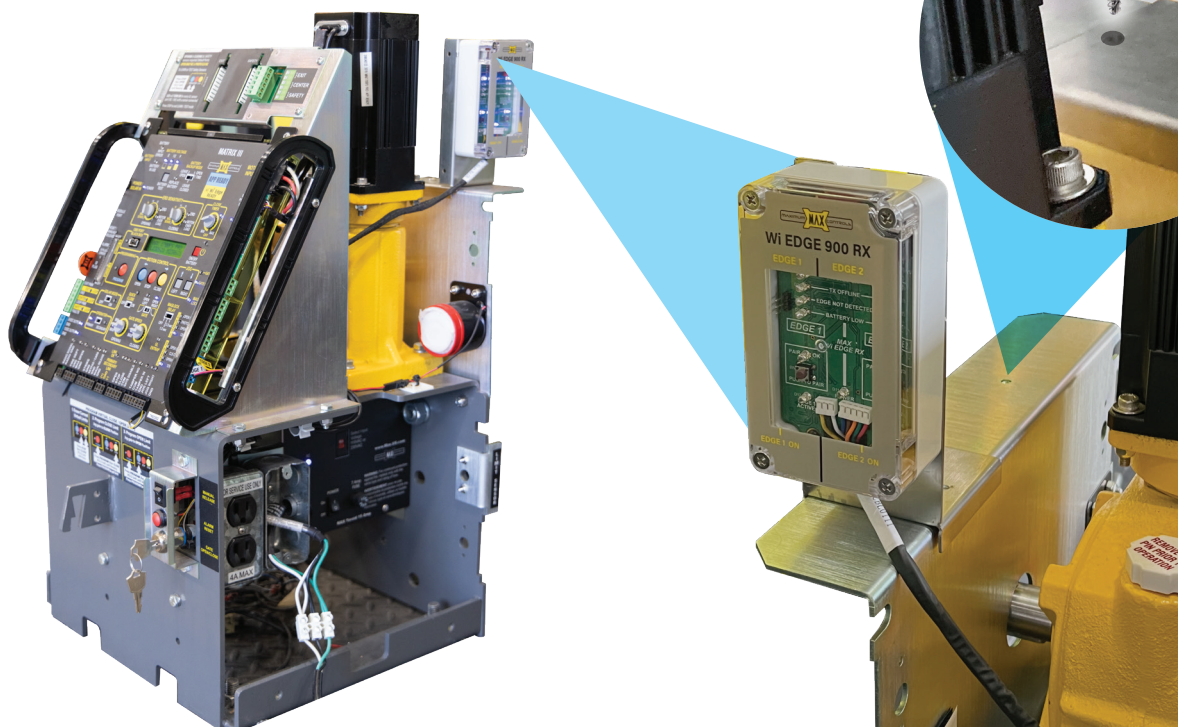
1

Mount Wi Edge Receiver with bracket to the back metal plate of Max Slider Operator.

Wi Edge Receiver can be installed facing right or left direction depending on gate configuration

2

Align the hole of Wi Edge Receiver bracket with the hole of the slider back bracket and secure it using screw provided



SINGLE GATE

3

Plug Wi Edge Receiver connector with adapter board to "Module Port" of Matrix III

4

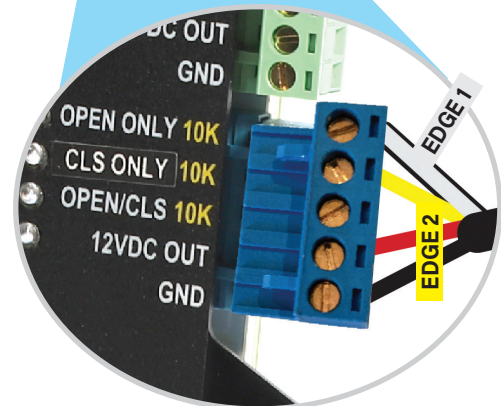
Plug cable with blue connector to "UL Sensors 10K" port



5



Install Wi Tx Edge on gate so it is in line-of-site with Wi Edge Rx



NOTE

Latest Matrix 3 boards are compatible with Max Wireless Edge 900; prior boards without the yellow sticker require factory programming.





SINGLE GATE

INSTALLING **OPENING 10K** EDGE

1 Install the **OPENING 10K** edge sensor on the gate

2 Mount the Wi Tx Edge 1 housing next to the 10K Edge on the front side of the gate using self tapping screws

3 Loosen bottom 2 screws and pull down plug to remove it

4 Remove Wi Edge Tx circuit board by sliding it out of housing (remove board by gently pulling down the jumper cable on the connector)

5 Install 2 batteries on circuit board following battery orientation on battery holder. Power LED will turn ON

6 Connect the 10K edge wires to the Wi Tx Edge 1 circuit board, screw terminals. (Feed 10k Edge wires through plug first) Slide circuit board back into housing.

7 Push the **PAIR BUTTON** on the **Wi Tx Edge 1** circuit board. Pair LED will start blinking

8 Go to the **Wi Edge Receiver** and **PUSH** the **PAIR BUTTON** for **Edge 1**. **PAIR LED** for Edge 1 will become solid when pairing process is successful.

9 Reattach **PLUG** to housing and secure it with 2 screws (provided)

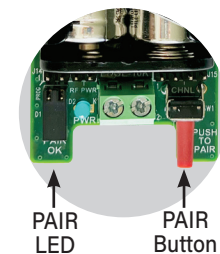
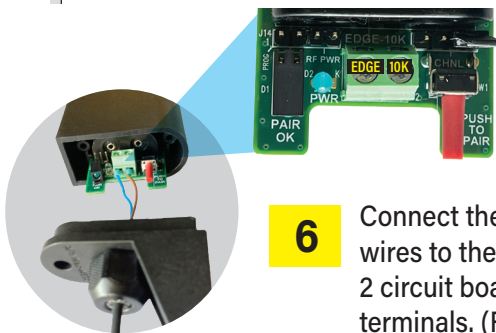
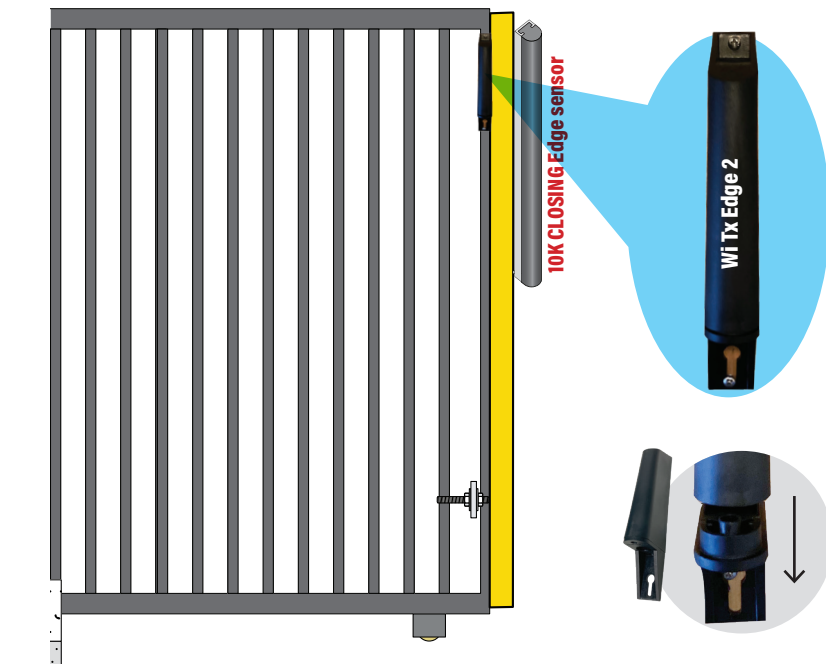
Troubleshooting: if **PAIR LED** keeps blinking, pairing has failed.
Ensure Wi Tx Edge 1 is within range of Wi Receiver.

Check if the RF Channels of Wi Edge Rx matches RF channels of Wi Edge Tx (see page 7).
For additional info check troubleshooting page.

SINGLE GATE

INSTALLING CLOSING 10K EDGE

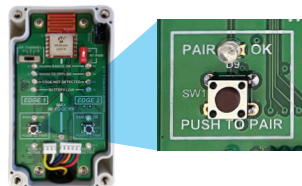
- 1 Mount the **CLOSING** 10K edge sensor on the gate and secure position.
- 2 Mount the **Wi Tx Edge 2** housing next to the 10K Edge on the front side of the gate using self tapping screws
- 3 Loosen bottom 2 screws and pull down plug to remove it
- 4 Remove Wi Edge Tx circuit board by sliding it out of housing (remove board by gently pulling down the jumper cable on the connector)
- 5 Install 2 batteries on circuit board following battery orientation on battery holder. Power LED will turn ON
- 6 Connect the 10K edge wires to the Wi Tx Edge 2 circuit board screw terminals. (Feed 10k Edge wires through plug first) Slide circuit board back into housing.
- 7 Push the **PAIR BUTTON** on the **Wi Tx Edge 2** circuit board. Pair LED will start blinking
- 8 Go to the **Wi Edge Receiver** and PUSH the **PAIR BUTTON** for **Edge 2**. PAIR LED for Edge 2 will become solid when pairing process is successful.
- 9 Reattach **PLUG** to housing and secure it with 2 screws (provided)



6 Connect the 10K edge wires to the Wi Tx Edge 2 circuit board screw terminals. (Feed 10k Edge wires through plug first) Slide circuit board back into housing.

7 Push the **PAIR BUTTON** on the **Wi Tx Edge 2** circuit board. Pair LED will start blinking

8 Go to the **Wi Edge Receiver** and PUSH the **PAIR BUTTON** for **Edge 2**. PAIR LED for Edge 2 will become solid when pairing process is successful.



9 Reattach **PLUG** to housing and secure it with 2 screws (provided)



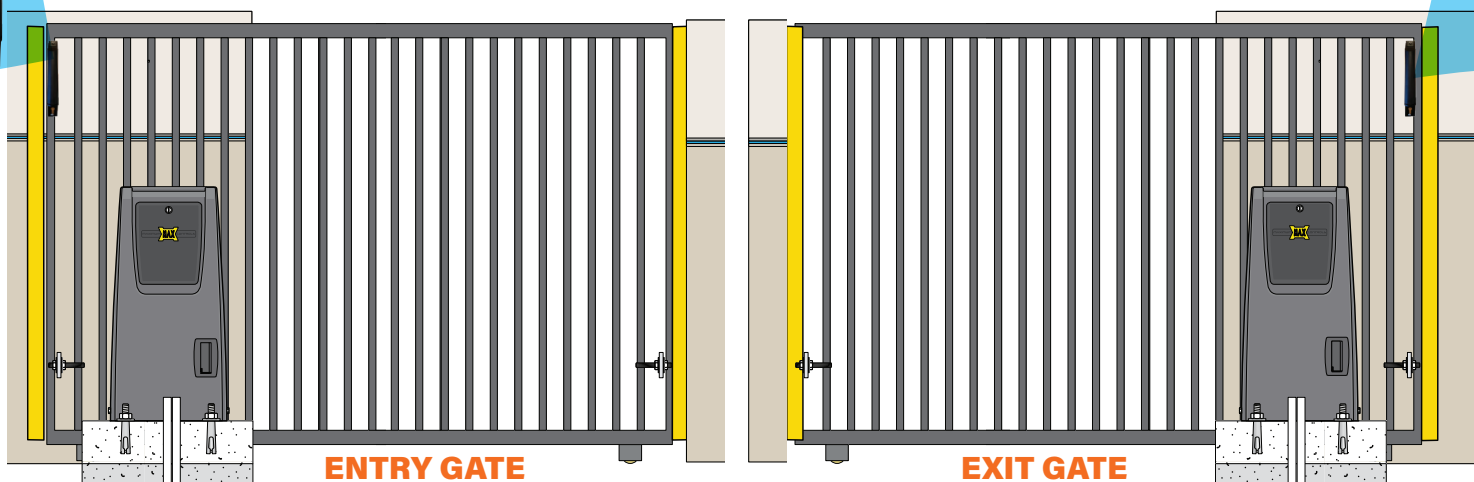
Troubleshooting: if PAIR LED keeps blinking, pairing has failed. Ensure Wi Tx Edge 2 is within range of Wi Receiver.

Check if the RF Channels of Wi Edge Rx matches RF channels of Wi Edge Tx (see page 7). For additional info check troubleshooting page.



ENTRY/EXIT AND DUAL GATES

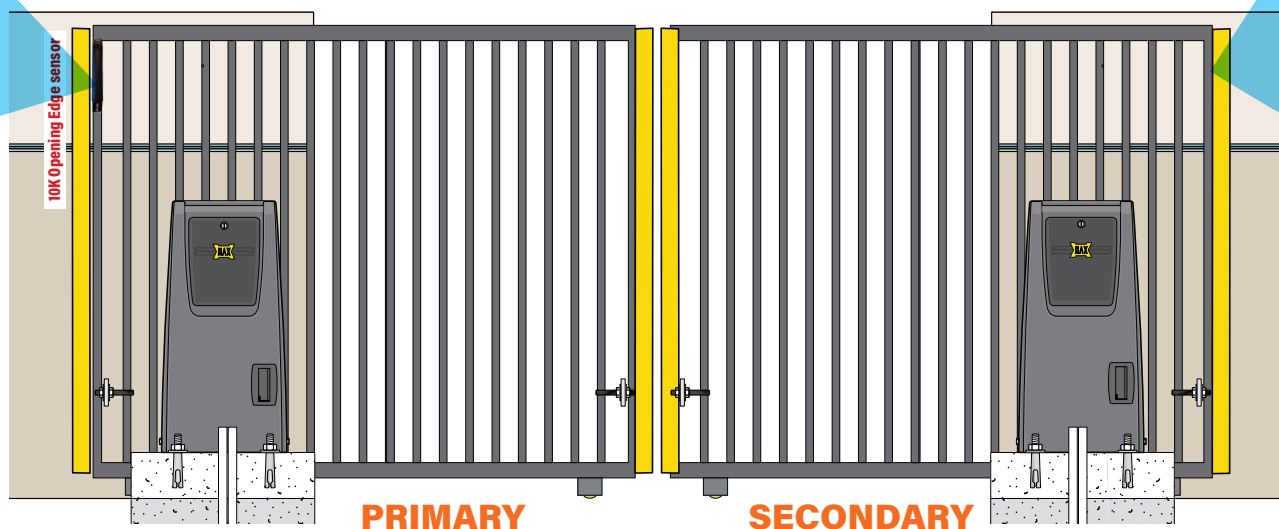
ENTRY / EXIT ADJACENT GATES



- 1 Set **ENTRY GATE**
Wi Edge Rx & Tx 1 and 2
on **RF CHANNEL 1**
refer to next page for instruction

- 2 Set **EXIT GATE**
Wi Edge Rx & Tx 1 and 2
on **RF CHANNEL 2**
refer to next page for instruction

PRIMARY / SECONDARY GATES



- 1 Set **PRIMARY**
Wi Edge Rx & Tx 1 and 2
on **RF CHANNEL 1**
refer to next page for instruction

- 2 Set **SECONDARY**
Wi Edge Rx & Tx 1 and 2
on **RF CHANNEL 2**
refer to next page for instruction

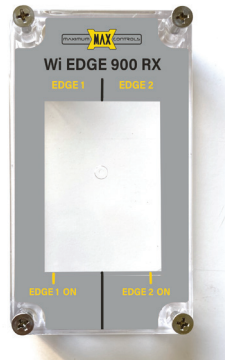
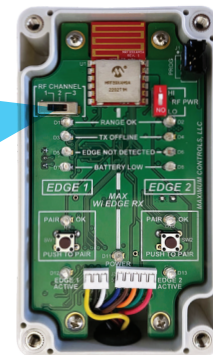
SINGLE GATE

Select a different RF Channel if you have the following conditions:

- 1) Entry/Exit Gates or nearby adjacent gate that also has Wi Edge 900 installed
- 2) Dual Gates. Secondary gate that also has Wi Edge 900 installed
- 3) "Tx Offline" LED turning ON intermittently
- 4) "Range OK" LED turning OFF intermittently

1 SELECT RF CHANNELS On Wi EDGE Rx

- 1 - 915 MHz
- 2 - 920 MHz
- 3 - 925 MHz



2 Power Cycle Wi Edge Rx. Unplug/Plug IN both Matrix III 10k Port and Module Port

3 SELECT MATCHING RF CHANNEL ON Wi Tx Edge 1 & 2



NO JUMPER

915 MHz



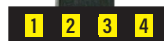
920 MHz



JUMPER 3 - 4



925 MHz



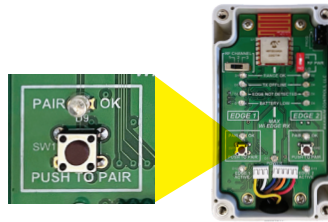
JUMPER 2- 3



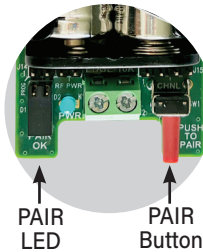
4 Power Cycle both Wi Edge Tx 1 & 2 by removing and reinstalling batteries

5 Pair Wi Edge Rx with Tx 1 & 2

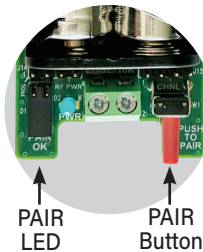
- 1 Unpair Wi Edge Rx from Wi Edge Tx 1 & 2
PRESS and HOLD the PAIR BUTTON on Wi Edge Rx until Pair OK LED turns OFF
(do this for Edge 1 & 2)



- 2 PRESS and HOLD the PAIR BUTTON on the **Wi Tx Edge 1** until PAIR LED turns OFF.
Pair LED will start blinking

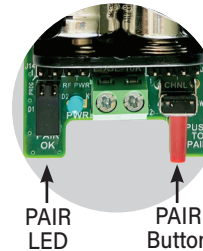


- 3 PRESS and HOLD the PAIR BUTTON on the **Wi Tx Edge 2** until PAIR LED turns OFF.
Pair LED will start blinking

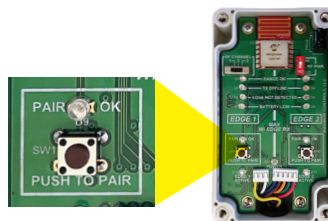


- 4 Power cycle Wi Edge Tx 1 & 2 by removing and reinstalling their batteries

- 5 Push the PAIR BUTTON on the **Wi Tx Edge 1** circuit board.
Pair LED will start blinking



- 6 Go to the **Wi Edge Receiver** and PUSH the **PAIR BUTTON** for **Edge 1**. PAIR LED for Edge 1 will become solid when pairing process is successful.



Troubleshooting: if PAIR LED keeps blinking, pairing has failed.
Ensure Wi Tx Edge 2 is within range of Wi Receiver.
Check if the RF Channels of Wi Edge Rx matches RF channels of Wi Edge Tx (Refer to RF Channels Selection page).
For additional info check troubleshooting page.

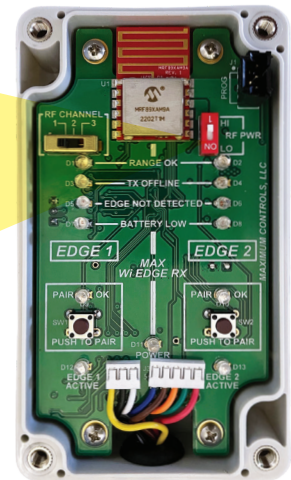
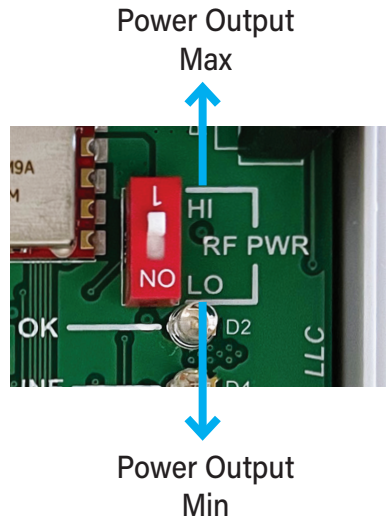
- 7 Repeat steps 5 and 6 to PAIR **Wi Tx Edge 1** to **Wi Edge Rx**

OPTIONAL FEATURE

Lower "RF POWER" settings to reduce crosstalk between adjacent gates that have Wi Edge 900 Installed

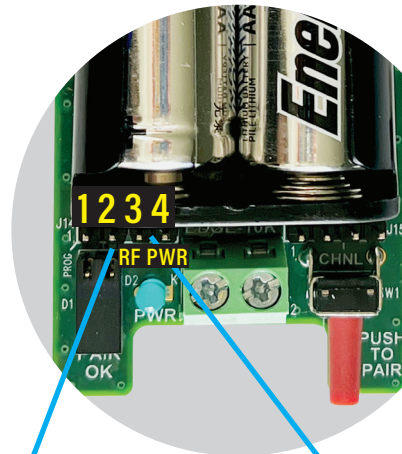
1

SELECT RF POWER
OUTPUT (HI / LO)
ON Wi EDGE RECEIVER



2

SELECT RF POWER
OUTPUT (HI / LO)
ON WI TX EDGE 1 OR 2



NO JUMPER

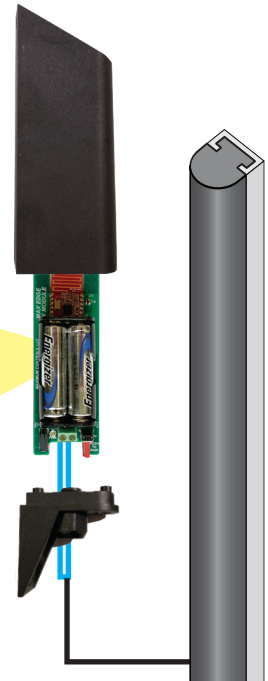
Pwr HI (Max)

1 2 3 4

Pwr LO
(Min)

1 2 3 4

JUMPER 3 - 4



	SYMPTOM	POSSIBLE CAUSE	SOLUTION
PAIRING ISSUES	Unable to PAIR Wi Tx Edge 1 (or 2) to Wi Edge Rx	<p>1) Wi Tx Edge 1 (or 2) could be already paired. Need to unpair Wi Tx Edge 1 (or 2) from its original Wi Edge Rx</p> <p>2) Wi Tx Edge 1 (or 2) are too far away from Wi Edge Rx.</p>	<p>1) To unpair them, press PAIR button on Wi Tx Edge 1 (or 2) for at least 5 sec. Then press corresponding PAIR button on Wi Edge Rx also for at least 5 seconds. Try pairing again by following pairing sequence. (See p 5-6) (Power cycle Wi Tx Edge 1 (or 2) - If necessary)</p> <p>2) Move Wi Tx Edge 1 (or 2) closer to Wi Edge Rx. Try pairing again by following pairing sequence. (See p 5-6)</p>
	Pair LED Blinking Wi Edge Rx or Tx	Tx or Rx PAIR LED Blinking indicate pairing mode	Pair with corresponding device Rx or Tx (Refer to pairing on page 5, 6)
ERROR STATUS LED'S	"TX OFFLINE" LED is ON for Edge 1 (or 2)	<p>1) Wi Tx Edge 1 (or 2) is not powered ON. Battery is not installed or batteries are low</p> <p>2) Wi Tx Edge 1 (or 2) is out of range of the Wi Edge Rx</p> <p>3) Wi Tx Edge 1 (or 2) is NOT paired to Wi Edge Rx</p>	<p>1) Install or replace batteries on Wi Tx Edge 1 (or 2)</p> <p>2) Move Wi Tx Edge 1 (or 2) closer to Wi Edge Rx</p> <p>(Refer to pairing on page 5, 6)</p>
	"EDGE NOT DETECTED" LED is ON for Edge 1 (or 2)	10K Edge is not detected on Wi Tx Edge 1 (or 2).	Install a 10K Edge on Wi Tx Edge 1 (or 2)
	"BATTERY LOW" LED is ON for Edge 1 (or 2)	Low battery condition detected on Wi Tx Edge 1 (or 2) (Battery Voltage less than 2.7V)	Replace batteries on Wi Tx Edge 1 (or 2)

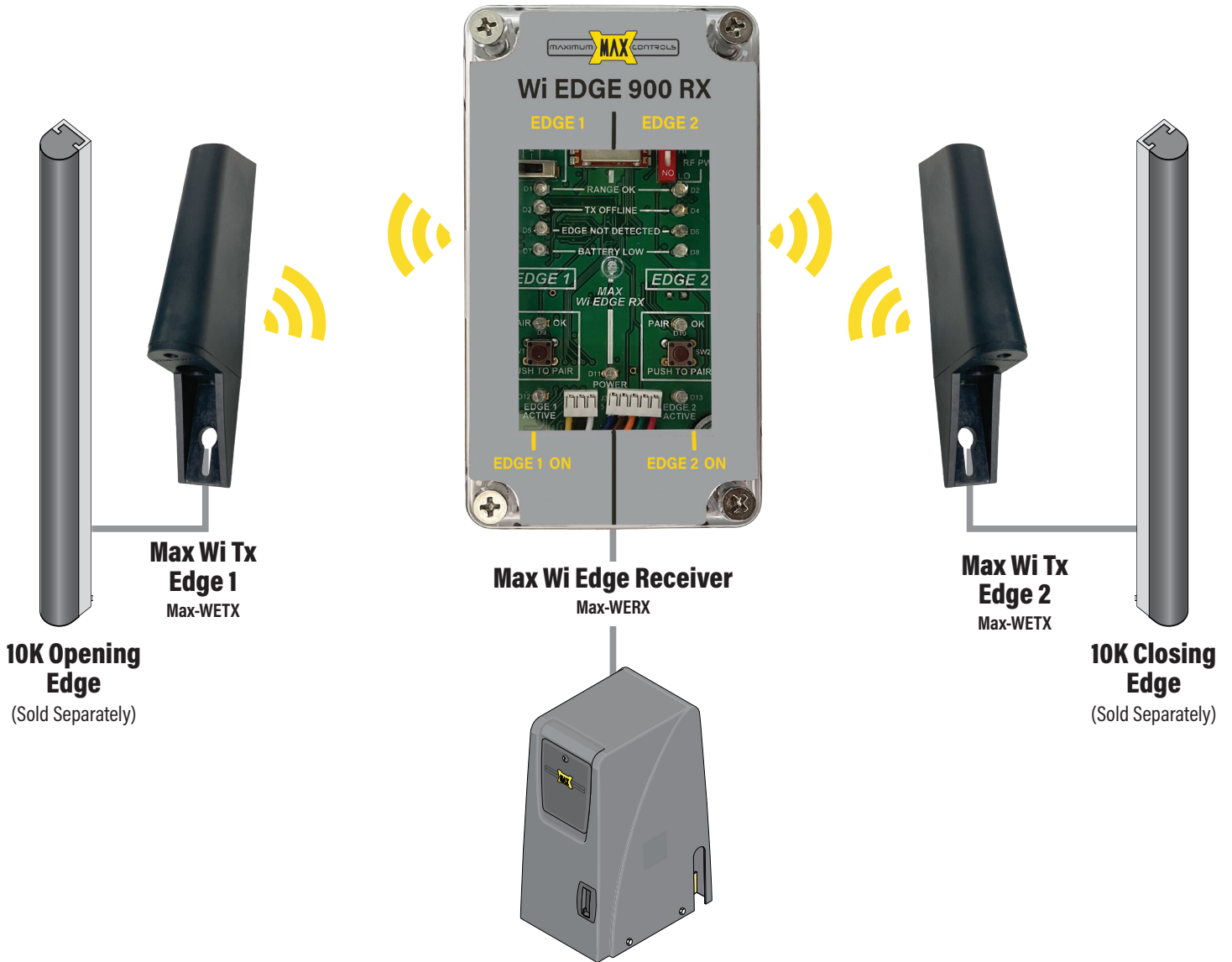
	SYMPTOM	POSSIBLE CAUSE	SOLUTION
RANGE STATUS LED	"RANGE OK" LED is OFF for Edge 1 (or 2)	Poor range is detected between Wi Edge Rx and Wi Tx Edge 1 (or 2)	1) Check if Batt Low LED is ON, indicating low battery if so change batteries 2) Wi Tx Edge 1 (or 2) is too far away. Move or reposition Wi Tx Edge 1 (or 2)
	"RANGE OK" LED is OFF intermittently for Edge 1 (or 2)	Tx or Rx PAIR LED Blinking indicate pairing mode	1) Choose different RF channel for Wi Edge Rx and Tx Edge 1 or 2 (see p 7) 2) Lower RF power on Wi Edge Rx and Tx Edge 1 or 2 (see p 8)



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