

JANUS WIFI WIEGAND UNIT

This WiFi unit transmits wiegand signals, over WiFi, to any wiegand controller in the vicinity of a WiFi signal. WiFi SSIDs are not required to be the same and the Primary and secondary units can be used anywhere wireless internet signal is available. Wireless connectivity can be up to 400' with our long range antenna and clear line of sight, average range with the standard flex antenna is ~100' with clear line of sight.

Installation and Mounting

Primary unit:

The Primary unit should be installed near the wiegand controller and wired according to the instructions provided. Mounting flanges are provided on the case and care should be taken to add as few holes as possible to the unit to ensure the case stays sealed. If holes are drilled, these should be drilled in the bottom so that water cannot run into the case.

Secondary unit:

The secondary unit should be installed near the wiegand device, and wired according to the instructions provided. Mounting flanges are provided on the case and care should be taken to add as few holes as possible to the case to ensure the case stays sealed. If holes are drilled into the case, these should be drilled in the bottom so that water cannot run into the case.

Power and Wiring

Primary unit:

The Primary unit can be powered by any 12vdc power supply of at least 1amp. Wiring this unit into your wiegand controller requires power, two data wires and two relay wires. The data 1 (D1) wire should be connected to the Data 1 input of your wiegand controller, Data 0 (D0) wire should be connected to the Data 0 input of your wiegand controller. Wiegand common should be connected to common on your wiegand controller.

Secondary unit:

The secondary unit must be powered by a 12vdc power supply of at least 2 amps. Data 1 wire from your device should be connected to the Data 1 input of your Janus WiFi controller, Data 0 wire from your device should be connected to the Data 0 input of your Janus WiFi controller. Wiegand Common should be connected to negative on the Janus WiFi controller, and wiegand power should be connected to +12v of your Janus WiFi controller. (Wiegand common and the negative for power are the same input and should be connected to power negative)

Primary wiring table

Janus Primary	Wiegand controller	Wire description
Not Used	Not Used	Wiegand +12V
GND terminal	Wiegand common	Wiegand common
D0	D0	Data0
D1	D1	Data1
RLY in/Rex com	Request to exit/relay common	Relay/request to exit Common
REX	Request to exit	Input for pushbutton or hold open contact
RLY	Normally open	Relay N/O
RLY in/REX com	Request to exit/relay common	Relay/request to exit Common

Secondary wiring table

Janus Secondary	Wiegand Device	Wire description	Locking device
+12V	+12V	+12vdc power	Not used
Com	Common	Gnd/wiegand common	Not used
D0	D0	Data0	Not used
D1	D1	Data1	Not used
RLY in/Rex com	Not Used	Request to exit/relay common	Not used
REX	Not Used	Request to exit	Input for pushbutton or hold open contact
NO	Not used	Normally open to lock	Normally open for solenoid lock
NC	Not used	Normally closed to lock	Normally closed for magnetic lock
Com	Not used	Relay common	Relay common for either type of lock

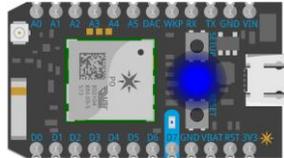
WiFi connectivity, troubleshooting, and cloud connection

Status LED

Both units are equipped with diagnostic LEDs to determine the status of each unit, descriptions and photos below describe each state:

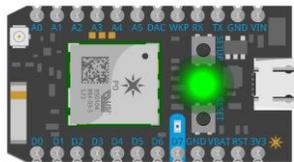
Blinking dark blue: (LISTENING MODE)

This is listening mode and should be the state of your Janus system upon power up, and is the status Janus must be in to connect to your WiFi, if it is not blinking dark blue when you first power up, press and hold the setup button until the LED starts blinking dark blue.



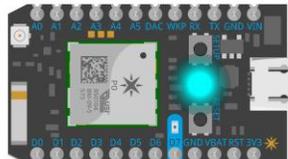
Fast blinking green:

This status indicates that Janus is trying to connect to the internet.



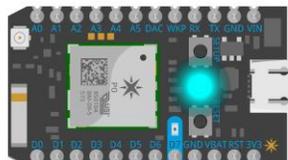
Fast blinking light blue (cyan):

This status indicates that Janus is trying to establish a cloud connection.



Slow blinking (breathing) light blue (cyan):

This status indicates that Janus has established a WiFi and cloud connection and is ready for use.



Antenna
conn.



Antenna connection:

Antenna is a press on antenna connection, press firmly until connector "snaps" into place.

Do Not tug, pull, or force antenna on or off of board, if antenna does not "snap in place, check connection and make sure the edges are lined up before applying more pressure, gently lift connector from a point as close as possible to circuit board for removal!!

Connecting to WiFi

To connect Janus to a new WiFi SSID, make sure Janus is in listening mode, if it is not in listening mode when powered up, press and hold the setup button until the on-board LED starts flashing blue.

Once Janus is flashing dark blue (listening mode), go to your WiFi connections on either your mobile device or laptop, connect to WiFi network: "PHOTON-XXXX", open a browser window and type "192.168.0.1" into the address bar, select the WiFi SSID from the list on that page, enter your password and click "connect". At this point you should see a window explaining the connection process, the status LED will go through blinking green, then cyan, then settle at breathing cyan, and your mobile device or laptop will reconnect to your WiFi.

Important Notices

Due to the nature of wireless communication, continued connection to the cloud, as well as transmission and reception of data cannot be guaranteed. Information may be delayed, or corrupted during transmission. Janus WiFi products should not be used in situations where failure to obtain access could result in damage to any person or property, including injury or death. Rotary Gate Systems, inc. will not be held responsible for loss of data or compromised transmission.

Janus WiFi systems should not be used anywhere wireless signals are prohibited, this includes aircraft, secure facilities, or anywhere sensitive equipment or radio detonated explosives are present or in use.