alula™ RE926X Interactive Gateway Module
WiFi, Flex

Resolution Compatibles

Flex Wi-Fi IGM is a Wi-Fi™ device that provides interactive services and home automation to existing security systems.
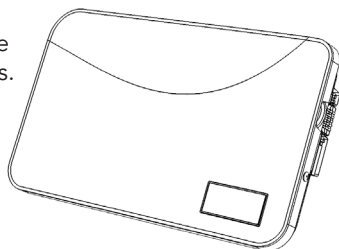
Features
- Connects panels to the local Wi-Fi network
- Provides interactive services without panel replacement
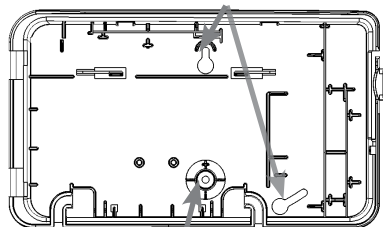- 5 year warranty

Installation
1. Set up an account with your interactive services provider.

2. Mount the IGM to a wall using the mounting holes on the back plate.

> - Do not mount inside of a metal can. The module needs to be in free air to communicate.
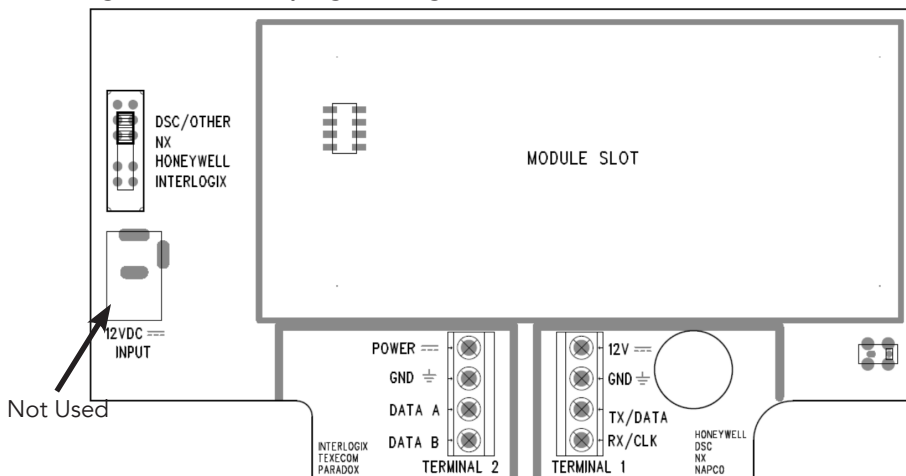
Mounting Screw Locations

Wall Tamper (Do not over tighten mounting screw)

3. Program the panel to use the IGM. (Refer to the programming section for your panel.)

4. Wire the panel to the IGM. (Refer to the programming section for a wiring diagram for your panel.)

> - The IGM power supply must have a battery backup.
>
> - Maximum cable length to the panel:
>   18 gauge wire = 600 feet
>   22 gauge wire = 250 feet
>   24 gauge wire = 150 feet

Note: Be sure to verify that all codes are being properly reported to the central station after you have installed the IGM or modified any reporting program setting in the installer programming menu.

DSC/OTHER
NX
HONEYWELL
INTERLOGIX

MODULE SLOT

12VDC ⎓
INPUT

Not Used

POWER ⎓
GND ⏚
DATA A
DATA B

INTERLOGIX
TEXECOM
PARADOX
TERMINAL 2

12V ⎓
GND ⏚
TX/DATA
RX/CLK

HONEYWELL
DSC
NX
NAPCO

TERMINAL 1

Verify proper enrollment and operation using your control panel's installation manual.

WiFi Protected Setup Connection to Router:

A) Connection to Primary router:

• Press & release Communicator's WPS button, until WiFi LED blinks slowly.

• Press & release Primary Router's WPS button.

• WiFi LED is steady when fully connected to Backup Router.

B) Connection to Backup router:

• This Backup router is optional.

• Press & hold Communicator's WPS button, until WiFi LED blinks rapidly.

• Press & release Backup Router's WPS button.

• WiFi LED is steady when fully connected to Backup Router.

Operation

Events are reported to both the monitoring receiver and the interactive server. All events use Contact ID reporting codes.

> ### *Events reported by default*
> • Alarms
> • Alarm cancels
> • Openings
> • Closings
> • System Low Battery
> • System Low Battery Restoral
> • AC Power Fail (delayed by some panels)
> • AC Power Restoral (delayed by some panels)

Honeywell Vista panels can enable additional event reporting by using system programming.

Remote control of the system can be done through the interactive services platform.

Arm/Disarm control and status apply only to partition 1.

Z-Wave devices can be controlled using the interactive services platform.

Factory default button will reset the IGM if held for 5 seconds, and if held for approximately 10 seconds will factory default the IGM.

> • LED flashes twice when the IGM is factory defaulted.

Honeywell® Vista™ 20P and Vista 15P, Vista 21IP Programming

Compatible Panels
- Vista 20P version 4.0 or later (controls only partition one)
- Vista 15P version 4.0 or later
- Vista 21P version 3.13 or later

1. Set up an account with your interactive services provider.
2. Add a contact that uses the system MASTER CODE to the account before connecting the IGM. This is required for the IGM to be able to properly configure the system settings.
3. Disarm the system (all partitions).
4. The IGM automatically talks with the Vista using AUI 2, which is usually enabled by default.

   ### Enabling AUI 2 if not default:
   - Enable AUI 2 in the *189 field.
   - If another device is using AUI 2, that device must first be moved to a different AUI address. The other device should be moved to AUI 1 for Vista 15P and AUI 1, 3, or 4 for Vista 20P.

5. Vista panels that have a *91 field that supports RIS need to have RIS disabled. No action is required if RIS is not supported.
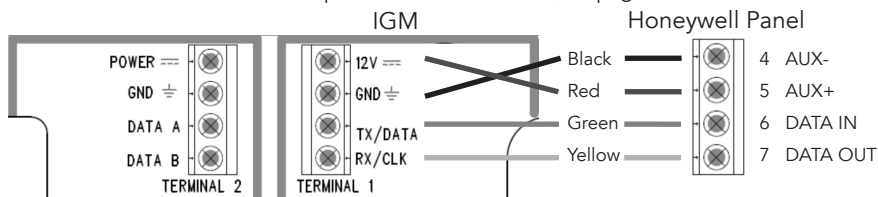6. Use programming option *188 to disable keypad lockout.

   ### Keypad lockout:
   - Vista 15P and 20P panel versions 10.21 and later have the keypad lockout feature enabled by default. It is recommended this feature be disabled to prevent possible keypad lockout conditions if the system master code in the IGM is not synchronized with the master code in the Vista panel.
   - If it is required to have the keypad lockout feature enabled, it is critical that the system master code be set up as a contact for this account before connecting the module to the panel (see step 2 above). Also, all changes to the system master code must be done at the user portal or dealer portal, not at the keypad. Failing to do this may result in a keypad lockout condition.

7. Power down the Vista system.
8. Set IGM's panel selector switch to **HONEYWELL**.
9. Connect the Vista system and IGM as shown in the wiring diagram below. Note: For Vista 21IP panels, Internal IP/GSM jumper needs to be set to "OFF".
10. Power up the Vista system and the IGM will automatically program it. Make sure all partitions are disarmed.
    - The Vista system will be busy for 50-60 seconds after power up before it will automatically program.
    - IGM will enable the following settings automatically:
      * IP/GSM device (*29) = 1 (enabled)
      * Communicate to IP/GSM device first (*55) = 1 (IP/GSM first)
      * Opening report (*65) = 1 (enabled)
      * Closing report (*66) = 1, 1 (stay closing and away closing reports enabled)
      * Alarm cancel report (*68) = 1 (enabled)
      * AC power restoral report (*73) = 1 (enabled)
      * Low Battery restoral report (*74) = 1 (enabled)
      * Phone Monitor (*92) = 0 (disabled)
11. Once the keypad(s) displays **DISARMED Ready to Arm**, installation is complete.
12. Perform WiFi Protected Setup connection to Router (See page 2).

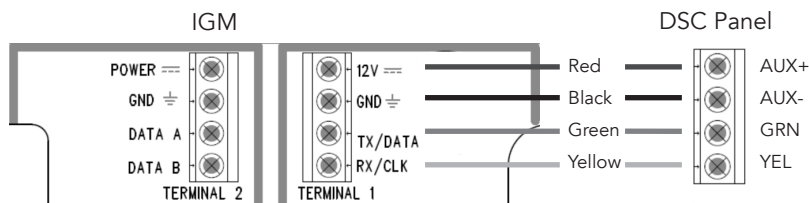|	IGM	Honeywell Panel
POWER	12V	Black — 4 AUX-
GND	GND	Red — 5 AUX+
DATA A	TX/DATA	Green — 6 DATA IN
DATA B	RX/CLK	Yellow — 7 DATA OUT
TERMINAL 2	TERMINAL 1	

DSC® *Power Series*™ *Programming*

Compatible Panels
- PC580 (Power 432)
- PC5010 (Power 832)
- PC1616

- PC1555 (Power 632)
- PC5020 (Power 864)
- PC1832

- PC1555MX (Power 632)
- PC5015 (Power 832)
- PC1864

1. Set up an account with your interactive services provider.

2. Add a contact that uses the system MASTER CODE to the account before connecting the IGM. This is required for the IGM to be able to properly configure the system settings.

3. Program the DSC panel using an **INSTALLER CODE**.

Panel Programming
- Disable the IGM ([380]:[1])
- Disable the Telephone Line Monitor ([015]:[7])
- Delete Telephone Numbers (programming section 301-303)
- Verify Alt Comm ([351]:[5]) is enabled
- Verify T-Link is Disabled ([382]:[5])
- Verify Master Code Not Changeable is Disabled ([015]:[6])
- Verify Access Code Required for *1, *2, *3 menus is disabled ([022]:[1])
- Verify that keypad lockout is either zero (disabled) or higher than 6 ([012])
- If you have removed any bus devices, perform a Module Supervision Reset ([902])

4. Verify alarm report codes are setup properly for zones that are being used, 1-64 (programming section 320-349). System will report as Burg (130) if programmed as FF.

5. If using Aux input (PGM2) verify Aux input report codes are setup properly (programming section 329:4). System will report as Fire (110) if programmed as FF.

6. To enable reporting of the Period Test Transmission, program the "Periodic Test Transmission" ([348]:[4]) and the "Periodic Test Transmission with Trouble" ([348]:[3]) reporting codes to "02".

7. All other reports are hard coded in the IGM and cannot be changed regardless of what is entered in the programmed location.

- Format and account number have no effect on reporting.

8. Disarm the system (all partitions).

9. Power down the DSC system.

10. Set IGM's panel selector switch to **DSC/OTHER**.

11. Connect the DSC system and the IGM as shown in the wiring diagram below.

12. Power up to the DSC system.

- The DSC control panel will begin automatic configuration. This can take up to 2 minutes.

13. Perform WiFi Protected Setup connection to Router (See page 2).

14. Installation is complete.

IGM — DSC Panel

IGM		DSC Panel
POWER		
GND		
DATA A		
DATA B		
TERMINAL 2		
12V	Red — AUX+	
GND	Black — AUX-	
TX/DATA	Green — GRN	
RX/CLK	Yellow — YEL	
TERMINAL 1		

DSC Panel Reporting Codes

Event	Report Code
AC Fail/Restore	301
Panel Low Battery/Low Battery Restore	302
Opening/Closing Report	400
Cancel Report	406
Zone Alarm	See below
Keypad Fire Panic	110
Keypad Aux Panic	100
Keypad Police Panic	120
Duress	121
Periodic Test Transmission	602
Periodic Test With Trouble Transmission	608

Table of all events reported by the IGM when connected to a DSC panel.

Zone Alarm Reporting
- Automatic Contact ID is not supported.
- Manually programmed reporting codes are only supported for alarms on zones 1-64 ([320] - [324]) and for alarms on the PGM2/Aux input ([329] option 4) which is reported as zone number 99.
- If Report Codes have not been manually programmed for zone alarms, zone alarm reporting codes default to the following:
    * Any zone alarm (zones 1-64): Code 1130 (Burglary)
    * PGM2/Aux input (zone 99, likely a 2-wire Smoke): Code 1110 (Fire)

Caddx® NX™ Programming
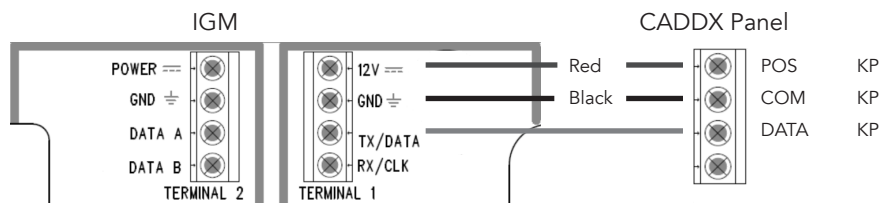
Compatible Panels
- All NX series panels

1. Set up an account with your interactive services provider.
2. Add a contact that uses the system MASTER CODE to the account before connecting the IGM. This is required for the IGM to be able to properly configure the system settings.
3. Disarm the system (all partitions).
4. Power down the NX system.
5. Set the IGM's panel selector switch to **NX**.
6. Connect the NX panel and the IGM as shown in the wiring diagram.
7. Power up the NX system and the IGM will automatically program it.

   - IGM will enable the following settings automatically:
     * Enable opening and closing reports
     * Set telephone line cut delay to 0 (No TLM)

8. Perform WiFi Protected Setup connection to Router (See page 2).
9. Installation is complete. Wait until the CS and platform LEDs have stopped blinking before entering program mode.

Additional Notes for NX Installations
- Some NX panels limit the number of non-keypad devices that are supported. Be sure that the panel you are connecting the IGM to does not have more than the number of supported devices connected.
- User codes that are added to the system or edited thru the IGM will have the default or previous partitions enabled. If you desire the users to have different partitions enabled, you will need to modify the partitions thru the NX keypad.
- 6-digit access codes are not supported.

IGM	CADDX Panel

IGM		CADDX Panel
POWER	12V	Red — POS KP
GND	GND	Black — COM KP
DATA A	TX/DATA	DATA KP
DATA B	RX/CLK	
TERMINAL 2	TERMINAL 1	

Interlogix® Concord™ Programming

Compatible Panels
- Concord 4

1. Set up an account with your interactive services provider.
2. Add a contact that uses the system MASTER CODE to the account before connecting the IGM. This is required for the IGM to be able to properly configure the system settings.
3. Disarm the system (all partitions).
4. Program the Concord panel using an **INSTALLER CODE**.

Panel Programming
- Turn off ACCESS CODE LOCK (0003)
- Delete phone numbers for CS1-CS3 (01000-01020)
- Turn on OPENING REPORTS for partition 1 (06100)
- Turn on CLOSING REPORTS for partition 1 (06101)

5. If there is an automation or wireless reporting device (i.e. automation module, cell backup module) already connected to the panel, remove the device and delete it from the panel. Concord 4 only supports 1 automation bus device.
6. Power down the Concord system.
7. Set the IGM's panel selector switch to **INTERLOGIX**.
8. Connect the Concord panel and the IGM as shown in the wiring diagram.
9. Power up the Concord system.
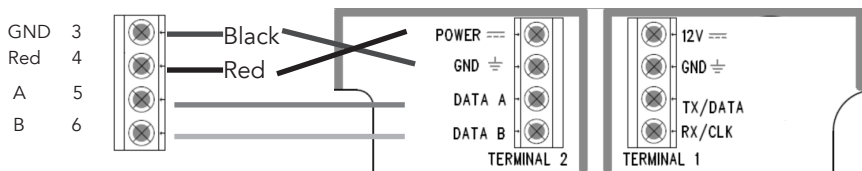
Concord programming if first time powered with a IGM
- Do not press any keys on the keypad for the first 2 minutes after power up.
- After 2 minutes, initiate a bus scan (8 installer code+1).
- Do not press any keys on the keypad for 1 minute after you have performed the bus scan.

10. Perform WiFi Protected Setup connection to Router (See page 2).
11. Installation is complete.

Additional Notes for Concord Installations
- Be sure to turn off **ACCESS CODE LOCK** before adding the IGM.
- If the CS or Platform LED is still blinking, refer to "Troubleshooting the Panel Connection".
- It is normal for the keypad to display "Enter Light Key" a few times after connecting the IGM to the panel. If the keypad continues to display "Enter Light Key", verify you have the correct system master code setup in the account.

Interlogix Panel   IGM
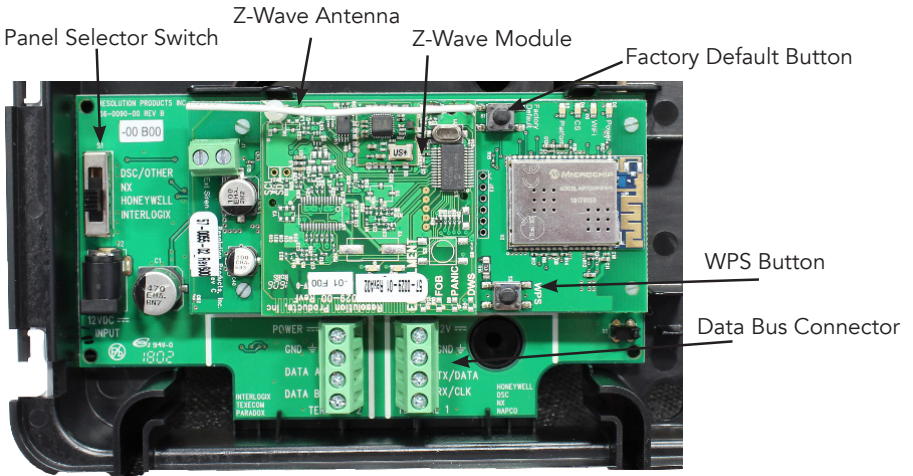
Troubleshooting

Symptom	Troubleshooting Steps
Platform LED Blinking	**General** 1. Incorrect wiring 2. Incorrect panel switch position 3. Unsupported panel version 4. Unsupported panel model 5. Panel is in Installer Program Mode **Honeywell Vista** 1. AUI not enabled 2. AUI used for some other function 3. LRR not enabled 4. Another LRR or IP/GSM device connected to panel bus **Interlogix Concord 4** 1. Module not enrolled into the Concord Bus (perform another bus scan) 2. Another Automation device is enrolled on the Concord Bus **NX** 1. Some NX panels limit the number of non-keypad devices they support. Be sure that the panel you are connecting the IGM to does not have more than the number of support devices connected. (i.e. some NX-4 panels only support 1 module in addition to keypads so they cannot support both an IGM and a wireless receiver.)
CS Light Blinking	1. Incorrect wiring 2. Incorrect panel switch position 3. Unsupported panel version 4. Unsupported panel model 5. Panel is in Installer Program mode 6. Vista Specific: • AUI not enabled • AUI used for some other function • LRR not enabled • Another LRR or IP/GSM device connected to panel bus
CS Light Off	1. Ensure an account has been created and activate at the central station or monitoring station. 2. If registration information changes after the IGM is powered up, perform a factory default.
Both Lights Off	1. Ensure an account has been created and that it is active/Live. 2. If registration information changes after the IGM is powered up, perform a factory default.
Supervisory Trouble Information	1. Honeywell- LRR Fault/bF error - Verify panel is 4.0 or later.

Troubleshooting

Communication problems can be solved in many ways:
- Reposition the unit (move or rotate)
- Move the unit away from metal objects (appliances, ducts)

Panel Selector Switch — Z-Wave Antenna — Z-Wave Module — Factory Default Button — WPS Button — Data Bus Connector

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Specifications

Physical	
Housing Dimensions	8.5 x 5.0 x 1.3 inches
Weight	10.0 ounces
Mounting Fastener	#4 or #6 (not provided)
Current Draw	200mA (Nominal)
Environmental	
Operating Temperature	32°F to 120°F
Maximum Humidity	85% non-condensing relative humidity
Panel Compatibility	
Honeywell	Vista 15P, Vista 20P, 21IP
DSC	PC580 (Power 432), PC1555 (Power 632) , PC1555MX (Power 632), PC5010 (Power 832), C5020 (Power 864), PC5015 (Power 832), PC1616, PC1832, PC1864
Caddx	All NX series panels
Interlogix	Concord 4
Models	
RE926X-00-01	Flex Wi-Fi IGM
RE926X-01-01	Flex Wi-Fi IGM with Zwave
Certification	
RE926X	FCC, IC

Specifications subject to change without notice

WARRANTY

Alula will replace non-portable products that are defective in their first five (5) years and portable products that are defective in their first two (2) years.

FCC NOTICE

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.
(2) This device must accept any interference that may be received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by Alula could void the user's authority to operate this equipment.

FCC ID: U5X-RE926

Device contains FCC ID: W7OMRF24WG0MAMB
RF Exposure:

To satisfy FCC RF Exposure requirements for mobile and base station transmission devices, a separation distance of 20 cm or more should be maintained between the antenna of this device and persons during operation. To ensure compliance, operation at closer than this distance is not recommended.

IC Notice

This device complies with Industry Canada license-exempt RSS standard(s). Operation is

subject to the following two conditions:

(1)This device may not cause interference, and

(2)This device must accept any interference, including interference that may cause

undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils

radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

(1)l'appareil ne doit pas produire de brouillage, et

(2)l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi,

même si le brouillage est susceptible d'en compromettre le fonctionnement.

Model: RE926X

IC: 8310A-RE926

This device contains IC: 7693A-24WG0MAMB

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type

and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio

interference to other users, the antenna type and its gain should be so chosen that the equivalent

isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec

une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada.

Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut

choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.)

ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

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