



4640G Interactive GSM Alarm Communicator

INSTALLATION AND USER GUIDE



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PRODUCT ID # 202132UP4640G

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INTRODUCTION

The Uplink® 4640G Interactive Cellular Alarm Communicator is a GSM alarm communicator designed to be used with the Honeywell Vista, DSC PowerSeries, Interlogix NetworX and Concord 4 alarm panels. The Uplink 4640G provides a primary wireless interface to the protected premise and replaces the phone line connection. The Uplink 4640G captures the alarm panel's key bus interface when the panel has an event to report. Once the 4640G receives the event from the alarm panel, it will transmit the alarm information using the local GSM cellular communications network. The Model 4640G is compatible with any central station using Contact ID alarm format.

KEY FEATURES

- A. **Full Data Reporting.** The 4640G is compatible with panels using Contact ID (SIA DC-05 Standard) format. All information sent by the alarm panel in this format (account number, zone information, User IDs, etc.) will be sent to the central station using the GSM network.

NOTE: The 4640G supports remote control and event reporting for partition 1 only

B. **Compatible Alarm Panels.**

Company	Brand	Model
Honeywell	Vista	15P 20P (v4.0 or later)
DSC	PowerSeries	PC580 (Power 432) PC5020 (Power 864) PC1555 (Power 632) PC1616 PC1555MX (Power 632) PC1832 PC5010 (Power 832) PC1864 PC5015 (Power 832)
Interlogix	NetworX Concord	All Concord 4

- C. **Power Requirements.** Requires constant 12V DC power from a power supply, battery, or alarm panel with a constant 230 mA and a peak 2 A for one second during transmission.
- D. **Status.** The 4640G can read panel and zone status
- E. **Uplink Remote.** The 4640G contains built-in support for Uplink Remote. This allows dealers and users remote arming and status of the alarm panel, as well as changing access codes.
- F. **Automated Testing.** The 4640G can be programmed to send an automated test signal to the central station on a monthly, weekly (Default Configuration) or daily interval.
- G. **GSM Network Supervision.** Supervises the local GSM network. If the unit no longer locates the local GSM Network, it reports this trouble condition.
- H. **Status/Received Signal Strength LEDs.** The three sets of LEDs indicate the current operational status and are visible from inside the enclosure. These LEDs assist in selecting the optimal mounting location for transmitting and receiving cellular radio signals and verifying connectivity with the alarm panel.
- I. **Easy Installation.** Easy activations available via the Uplink Installer app, website at www.uplink.com or by calling Uplink Customer Service at 1-888-9-UPLINK (1-888-987-5465). Please be ready to provide your central station receiver phone number and/or its IP address and Port number.

J. **Web-based Services.** Available at www.uplink.com and include:

- Secure login for dealers
- Immediate, real-time activation
- History of past event transmissions
- Initiation of a test report
- The ability to query the unit and receive a real-time radio report status including a Received Signal Strength reading
- Programming the output and other internally generated events

K. **Remote Applications.** Available at www.uplinkremote.com and include:

- Secure web login for dealers and end-users
- Android and iOS mobile applications
- Arming and disarming alarm panel
- Real-time panel status
- Receive event notifications
- Add, remove, and modify access codes

WARRANTY & LIMITATION OF LIABILITY

Standard 12-Month Limited Warranty

Uplink Security, LLC's limited product warranty extends only to commercial distributors who purchase products directly from Uplink. Uplink's warranty does not extend to end user consumers of Uplink products or to other parties not in privity of contract with Uplink and, to the maximum extent permissible under applicable law, Uplink expressly disclaims any warranty, express or implied, extending to such end user consumer or parties including without limitations, any implied warranties or merchantability and fitness for a particular purpose. End user consumers with questions concerning an Uplink product are directed to contact the alarm/ security system dealer or installer from whom they purchased the product.

Distributors, dealers and installers with questions about Uplink's warranty and returns process are directed to contact Uplink Order Entry; issuance of a Return Merchandise Authorization (RMA) number by Uplink is required as a condition prerequisite to the return of any Uplink products under the applicable product warranty.

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FCC & INDUSTRY CANADA REGULATORY COMPLIANCE

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

Changes or modifications not expressly approved by the Uplink Security, LLC may void the user's authority to operate this equipment.

This device contains FCC ID: R17HE910GL

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.

This device contains IC: 5131A- HE910GL

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 isotropic 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.

FCC RF EXPOSURE INFORMATION

RF Exposure:

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

The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

TECHNICAL SUPPORT

Technical support is available **Monday through Friday, 8:00 AM to 8:00 PM ET** excluding holidays. Please ensure you have read the installation guide completely before calling technical support. Technical support requires the caller to provide:

- Login name
- Password
- Serial number of the 4640G

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INSTALLATION

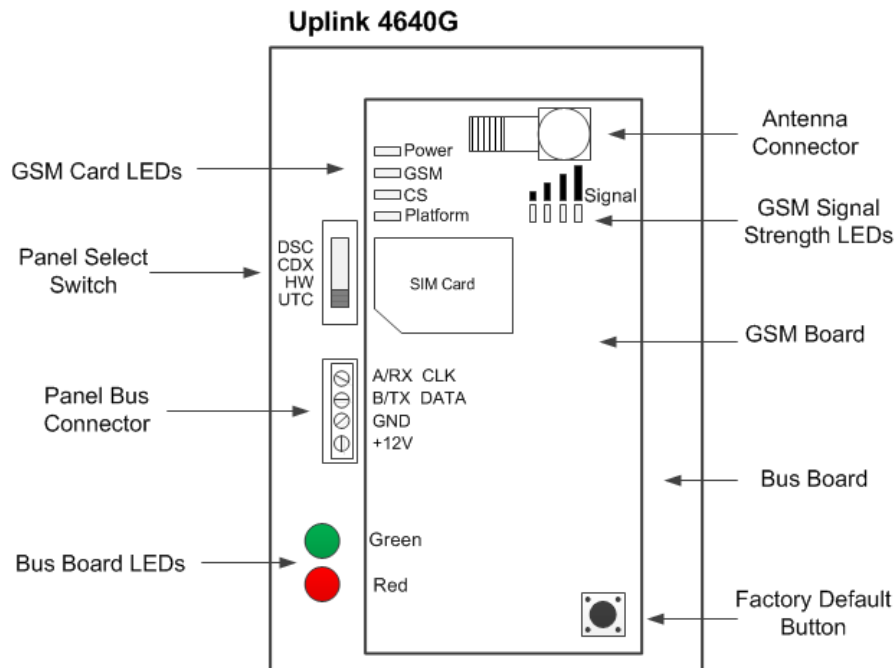
General Considerations

Determine where to mount the unit. Keep the following in mind:

1. Where to obtain the best transmitted and received signal strength for the cellular radio. (If the installer does not have a very strong cellular signal in his area, he may want to first power the unit from a portable 12V DC source, and move the unit to a location that gives him the best signal strength.)
2. A minimum of two signal strength LEDs are required.

LEDs

Normal Mode: Upon initial power up, the five LEDs on the 4640G will begin to function as follows:



LEDs

GSM RSSI	Signal Strength (dBm)
0	Bad (≤ -101)
1	Marginal (-99 to -95)
2	Good (-93 to -89)
3	Better (-87 to -79)
4	Best (≥ -77)

NOTE: Minimum of 2 RSSI LEDs recommended (-93 to -89 dBm)

Bus Board	Indication
Green	ON: Board is powered and running
Red	FLICKERING: Unit is communicating to panel

GSM Card	Indication
Power (Green)	ON and FLASHING once per second: Unit is powered and running in Primary Mode
	ON and FLASHING once every 3 seconds: Unit is powered and running in Backup Mode
GSM (Red)	ON: Unit is registered with the local GSM network
CS (Red)	OFF: Unit is operating normally
	FLASHING: There is a problem detecting the alarm panel type
Platform (Amber)	ON: Connection to the panel and connection to the interactive server are established
	FLASHING: There is a problem communicating with the alarm panel

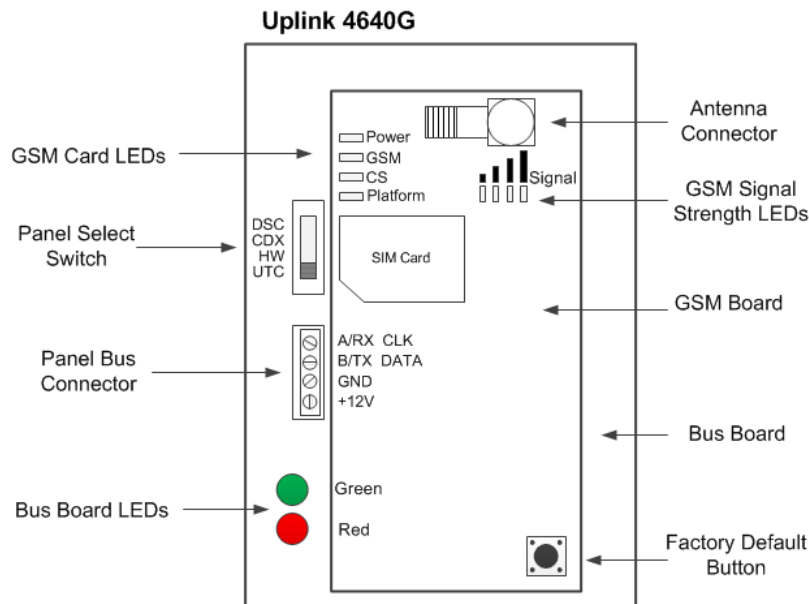
Locating and Installing the 4640G

The 4640G is housed in a plastic enclosure. The installer needs to supply DC power from the panel via the AUX output, or battery, via a separate DC power source. Input DC current is listed on page 22.

After carefully considering all of the issues outlined in Installations - General Considerations, page 7, proceed as follows:

1. Separate the top and bottom of the enclosure by lifting up on the tab in front of the unit and then tilting the bottom of the plastic top outward and up.

2. Locate a good mounting position based on a good Received Signal Strength Indication (RSSI). It is recommended that the installation location demonstrate an RSSI of at least -87 to -79 dBm (3 solid white LEDs). The minimum acceptable RSSI is -93 to -89 dBm (2 solid white LED).
3. Position the bottom of the 4640G enclosure at the installation location. Use two (2) #4 screws and mount the unit using the four holes in the enclosure's plastic bottom.
4. Make sure that the unit's antenna is connected.
5. Connect the positive (+) and negative (-) terminals of the 12V DC power supply to terminals 12V and GND - respectively on the 4640G.
6. Double check to make sure that the RSSI is still showing a good signal strength level.
7. Before connecting the alarm panel and the 4640G, first disconnect the Positive and Negative connections to the DC power source.



CAUTION: Incorrect Connections May Result in Damage to the Unit

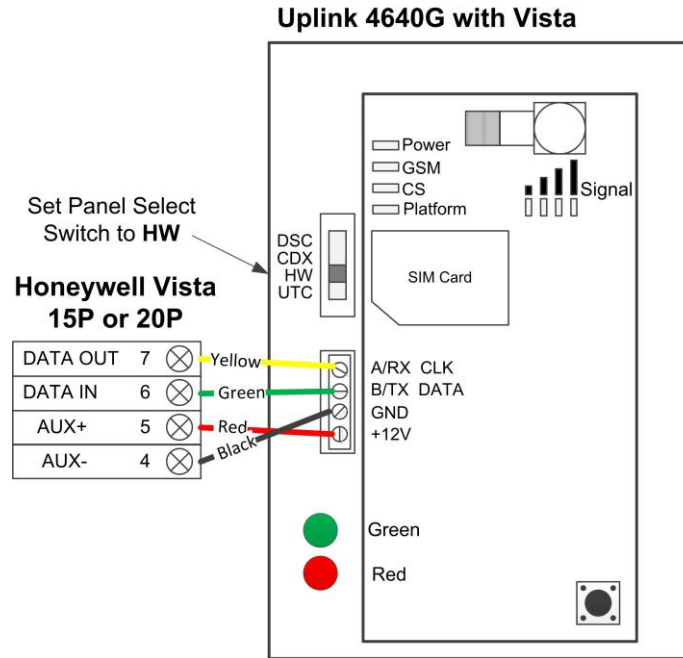
Connecting the 4640G to the Alarm Panel

IMPORTANT: Make all of the connections to the 4640G in the powered down state. Once all of the connections have been established, turn power on.

Use the instructions on the following pages for the selected alarm panel.

NOTE: If the 4640G was previously installed on another panel, you **MUST** default the 4640G's settings by pressing and holding the Factory Default switch for 10 seconds immediately after power up.

Honeywell Vista Programming



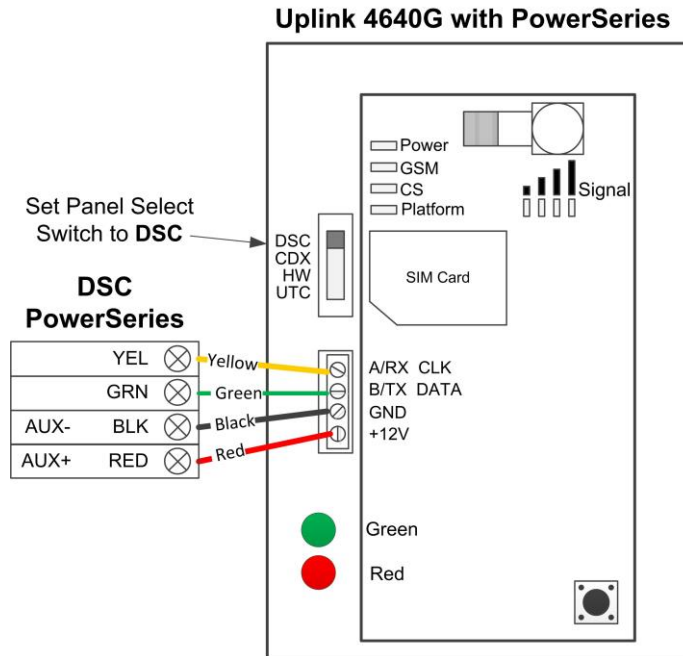
1. The 4640G automatically communicates with the Vista using AUI device 2. The panel is normally defaulted to AUI 2. If it is not, enable AUI 2 in the *189 field. If a device is already using AUI 2, you must move that device to another AUI address (AUI 1, for Vista 15P, AUI 1, 3 or 4 for Vista 20P).
2. If Vista system has a *91 field that supports RIS, then RIS will need to be disabled. Refer to panel programming instructions for details. If RIS is not supported no action is required.
3. Vista 15p and 20p panel versions 10.21 and later enable the keypad lockout feature by default. Uplink recommends disabling this feature to prevent possible keypad lockout conditions that can occur if the system master code in the IGM is not synchronized with the master code in the Vista panel. Use programming option *188 to disable keypad lockout.

NOTE: If the installation requires enabling the keypad lockout feature, then it is critical to add a contact that uses the system MASTER CODE to the account before connecting the module to the panel. All changes to the system master code must be at the user portal or dealer portal, not at the keypad. Failing to do this may result in a keypad lockout condition.

4. Power down the Vista system.
5. Set 4640G panel selector switch to Honeywell: **HW**
6. Connect the Vista and 4640G as shown in the Wiring Instructions above.

7. Apply power to the Vista 15P/20P system. It will automatically program.
 - a. Be sure ALL partitions are disarmed.
 - b. First, the Vista control panel will be busy for 50-60 seconds after power up.
 - c. The module enables these 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 reports (*66) = 1, 1 (stay closing & 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)
8. Finally, the keypad(s) should display “DISARMED Ready to Arm”.
9. Installation complete.

DSC PowerSeries Programming



1. Using the system's Installer Code:
 - a. Disable the Communicator ([380]:[1])
 - b. Disable the Telephone Line Monitor ([015]:[7])
 - c. Delete Telephone Numbers (programming section 301-303)
 - d. Verify Alt Comm ([351]:[5]) is enabled
 - e. Verify T-Link is Disabled ([382]:[5])
 - f. Verify Master Code Not Changeable is Disabled ([015]:[6])
 - g. Verify Access Code Required for *1, *2, *3 menus is disabled ([022]:[1])
 - h. Verify that keypad lockout is either zero(disabled) or higher than 6 ([012])
 - i. If you have removed any bus devices, perform a Module Supervision Reset ([902])
2. Verify Alarm report codes are set properly for zones being used, 1-64 (programming section 320-349). System will report as Burg (130) if programmed as FF.
3. If using Aux input (PGM2) verify Aux input report codes are set properly (programming section 329:4). System will report as Fire (110) if programmed as FF.
4. 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"
5. All other reports are hardcoded in the 4640G and cannot be changed regardless of what is entered in the programmed location.

6. Format and account number do not effect reporting
7. Power down the DSC system.
8. Set 4640G panel selector switch to DSC: **DSC**
9. Connect the DSC Panel and 4640G as shown in the Wiring Instructions above.
10. Apply power to the DSC system.
11. The DSC control panel will begin automatic configuration. This can take up to 2 minutes.
12. Installation complete

Reporting Codes for DSC panels:

The following table shows all events reported when connected to a DSC Panel.

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

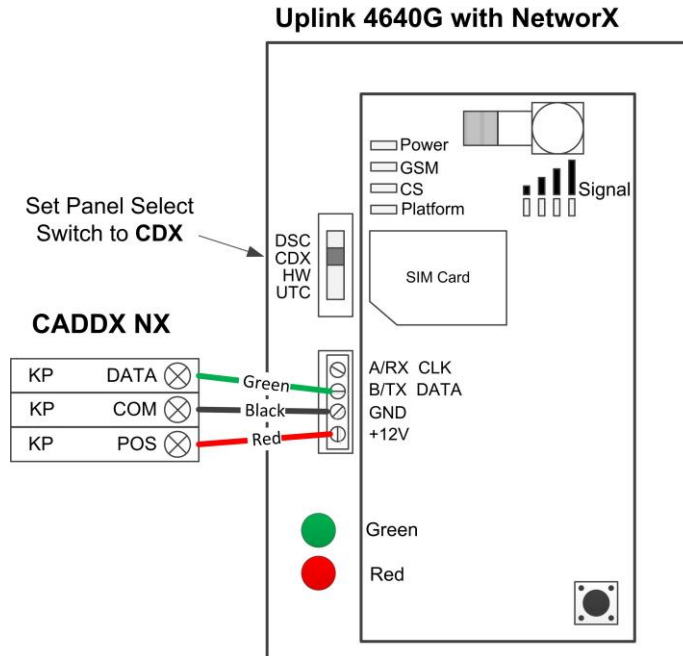
Automatic Contact ID is not supported. Manually programmed reporting codes are only supported for alarms on zones 1-64 ([320] – [324]) and for alarms on the PGM2/Aux input ([329]:[4]). The PGM2/Aux input is reported as zone number 99.

If not manually programming Report Codes for zone alarms, zone alarm reporting codes default to:

- Any zone alarm (zones 1-64): Code 1130 (Burglary)
- PGM2/Aux input (zone 99, likely a 2-wire Smoke): Code 1110 (Fire)

Be sure to verify that all codes are being properly reported to the central station after you have installed the communicator module or modified any reporting program settings in the DSC installer programming menu.

Interlogix NetworX Programming



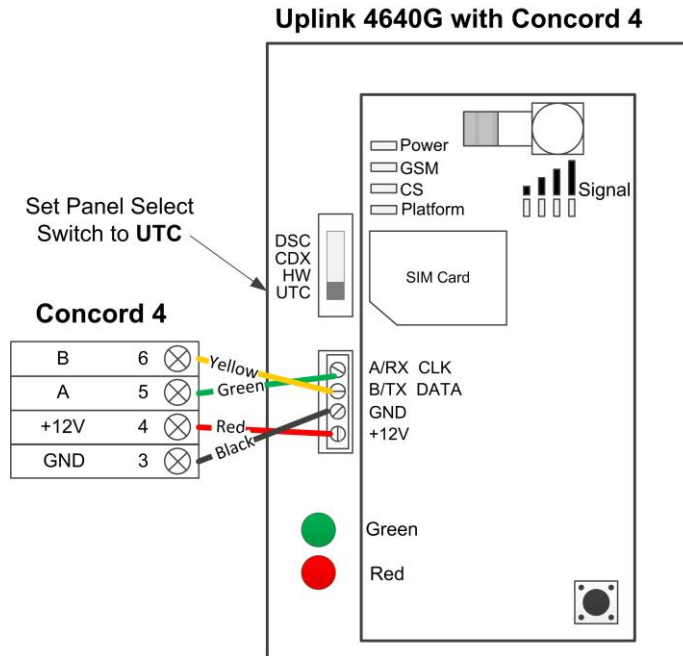
1. Power down the NX system.
2. Set the 4640G panel selector switch to CADDX: **CDX**
3. Connect the NX panel and the 4640G as shown in the Wiring Instructions above.
4. Apply power to the NX system. During this process, the 4640G will program the following settings:
 - a. Enable Opening and Closing reports
 - b. Set Telephone Line Cut delay to 0 (no TLM)

IMPORTANT: Do not attempt to enter program mode until the CS and Platform LEDs have stopped flashing.

Additional Notes for NX installations:

- Some NX panels limit the number of non-keypad devices they support. Be sure that the panel you are connecting the communicator to does not have more than the number of support devices connected.
- User codes that are added to the system or edited thru the communicator 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

Interlogix Concord 4 Programming



1. Using the System's Installers Code:
 - a. **IMPORTANT:** Turn Off ACCESS CODE LOCK before adding the 4640G.
 - b. Delete phone numbers for CS1-CS3 (01000 – 01020).
 - c. Turn on OPENING REPORTS for partition 1 (06100).
 - d. Turn on CLOSING REPORTS for partition 1 (06101).
2. 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 from the panel. Concord 4 only supports 1 automation bus device.
3. Disarm the System (all partitions).
4. Power down the Concord System.
5. Set the 4640G selector switch to Concord: **UTC**
6. Connect the Concord panel and the 4640G as shown in the Wiring Instructions above.
7. Apply power to the Concord System.
8. If this is the first time the 4640G is powered with the panel:
 - a. Do not press any keys on the keypad for the first 2 minutes after power up.
 - b. After 2 minutes, initiate a bus scan (8+installer code+01)
 - c. Do not press any keys on the keypad for 1 minute after performing the bus scan.
9. If the CS or Platform LED is still blinking refer to "Trouble Shooting the Panel Connection".
10. It is normal for the keypad to display "Enter Light Key" a few times after connecting the module to the panel. If the keypad continues to display "Enter Light Key", verify you have the correct system master code setup in the account.

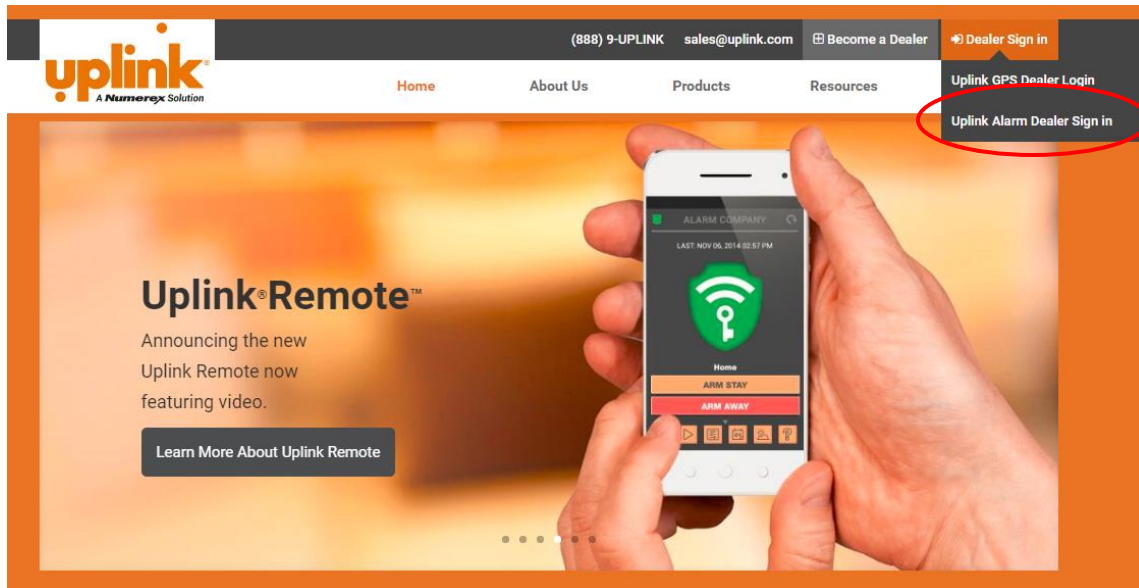
Activating the 4640G

The 4640G is programmed OTA (Over-the-Air) by using the Uplink Installer app (TBD) or accessing the Uplink Dealer website or by calling Uplink Customer Service at 1-888-9UPLINK (1-888-987-5465).

New Dealer Enrollment:

For new dealers/customers, you must first establish an account with Uplink by visiting the Uplink website (www.uplink.com).

Select the **Dealer Login > Uplink Alarm Dealer Sign In** tab:



1. Enter the Login Name and Password. Wait about 20 seconds for the next web page to completely load.
2. Under the **Programming Tab**, select **Activate Unit** from the menu choices.
3. Answer **Yes** to the question **I have read and I accept the terms of the Activation Agreement**.
4. Enter the device serial number and select **Activate**.

Logout Search Test Programming Signal History Reports Uplink Remote Manuals & Marketing Materials Site Map

Logout > Programming > Activate Unit

Activate Unit

Notes

1. If the Serial # on the unit is more than 10 digits/chars in length please use the bottom 10.
2. If you are activating a 4500EZ, 4530d, 4530dEX or 4550 please choose the SMS service plan.
3. If you are activating a CDMA30 or CDMA50 please choose the SMS service plan.
4. If you are activating a 2540 please choose the CDMA 1xRTT service plan.
5. Refer to the Service Plan drop-down for other models and plans.

I have read and I accept the terms of the Activation Agreement* [Download Activation Agreement](#)

Serial #* Service Plan*

5. Make sure you select your GSM Data Plan. This plan will be specific to your account.

Logout Search Test Programming Signal History Reports Uplink Remote Manuals & Marketing Materials Site Map

Logout > Programming > Activate Unit

Activate Unit

Notes

1. If the Serial # on the unit is more than 10 digits/chars in length please use the bottom 10.
2. If you are activating a 4500EZ, 4530d, 4530dEX or 4550 please choose the SMS service plan.
3. If you are activating a CDMA30 or CDMA50 please choose the SMS service plan.
4. If you are activating a 2540 please choose the CDMA 1xRTT service plan.
5. Refer to the Service Plan drop-down for other models and plans.

I have read and I accept the terms of the Activation Agreement* [Download Activation Agreement](#)

Serial #* Service Plan*

6. If you are offering Remote Services, enroll the unit in Uplink Remote.
7. You will be directed to the Edit Unit Settings page, where you will enter all appropriate customer information.

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Edit Unit 0240002567 (Uplink 4640 (3G/4G))

Unit Name*

Customer Tracking #

Assign User

Panel Test Interval used in generating test CS signals

Voice Enabled?

Activated Under Voice Plan?

Service Class

Notification Paths

Notes:

- If Central Station Notification Type is set to Contact ID Over IP (OH2000E) the system will try once via IP and then via dialer if IP fails.

Central Station Notification Type

Transmission Retries*

Specific Central Station

CS IP Address & Port #
address format xxx.xxx.xxx.xxx:xxxx

CS IP Receiver # & Line #
transmitted in OH2000E packet

CS Phone #
format 123-456-7890

Backup CS Phone #
format 123-456-7890

CS Account #

Notification Control

Notification Enabled?

8. From the Central Station Notification drop down menu, select the appropriate format.
9. Enter the appropriate Central Station phone number and account number, and configure the device to meet your install needs.
10. Select **“Update”**.
11. Unit must be powered to continue. From the **“Programming”** drop down menu, select **“Program Unit Over the Air”**. This communicates with the panel through the 4640. The first screen you see is **Read Options**:

Logout Search Test Programming Signal History Reports Uplink Remote Manuals & Marketing Materials Site Map

Program 4640 Over-The-Air

[Switch to Write options](#) [Panel Profile](#)

<input type="button" value="Send"/> <input type="button" value="Send"/> <input type="button" value="Send"/> <input type="button" value="Send"/> <input type="button" value="Send"/> <input type="button" value="Send"/> <input type="button" value="Send"/>	<p>Request Panel Data</p> <p>Panel Definition</p> <p>Panel Status</p> <p>Zone Status</p> <p>Start Zone <input type="text" value="01"/> End Zone <input type="text" value="40"/></p> <p>Access Codes</p> <p><input type="text" value="Master"/></p> <p>Arming Level</p> <p>Request Status including RSSI</p> <p>Request Definition</p>
---	--

12. Select **Send** next to **“Panel Definition”**. You will see the **Commands Sent** screen.

Commands Sent

Start [04/19/2016 00:00:00] Stop [04/19/2016 23:59:59] Export To Excel Refresh

Total: 1

Start Date & Time	Remote IP Address	Remote Port	Data	Result	Error Detail	Sender
04/19/2016 02:59:01 PM	10.67.24.211	5500	Raw Data 000203F230AB2F26EC3C0C2727AD9AF64003 Request Panel Data - Panel Status	Success		Web

13. Click the **Refresh** button and you can select another task.
14. From the **“Test”** drop down menu, select **“Send Status Request Signal”**.
15. Activation is complete once a successful test message is displayed. From the **“Signal History”** drop down menu, select **“Events Received”**.
16. The following image displays the **Panel Profile**:

Panel Profile

[Program Unit OTA](#)

Panel Definition	Panel ID: 2 (Honeywell/Ademco) Zone Count: 32 Access Code Count: 32 Max Code Length: 4
Panel Status	AC Failure: No Low Battery: No Provisional Alarm: No Alarm: No In Exit Delay: No Have Status Pending For User: No User Is In Menu System: No User Is In System Programming: No Arming Level: Disarmed
PIPM Definition	Firmware Version: 0.1.19 Build 0 Hardware Version: B0
PIPM Status	Serial Communication Powered Up: Yes Serial Communication Initialized: Yes Serial Communication Active: Yes
Access Codes	
Master Code	3333
User Code 1	<Uninitialized>
User Code 2	3339
User Code 3	5557
User Code 4	<Uninitialized>
User Code 5	<Uninitialized>
User Code 6	<Uninitialized>
User Code 7	<Uninitialized>
User Code 8	<Uninitialized>
Arming Level	Disarmed
Zones	
	Zone Status
01	Normal
02	Normal
03	Normal
04	Normal
05	Normal
06	Normal
07	Normal
08	Normal
09	Normal
10	Normal

Programming and Central Station Reporting

The following parameters can be configured from the dealer website “Programming” Menu:

1. Automated and On Demand Test Signals (Default = Weekly)

Change the Automated Test signal interval to monthly, weekly, or daily from the dealer website. In addition, the dealer website can generate an immediate test signal.

2. Program the 4640G

During an install or after a factory default, you MUST set the 4640G Master Code to the Master Code stored on the alarm panel. Set the Master Code on the 4640G via the Dealer Portal using Over-The-Air (OTA) Programming commands. Once set, only change the Master Code on the panel using the OTA commands in the Dealer Portal.

3. Add Uplink Remote

Under “Programming” menu, select “Add/Remove Uplink Remote” and select the desired rate plan. Log into www.uplinkremote.com to enter account parameters and create users.

4. Event Reporting

Events are reported to both the monitoring station receiver and to Uplink. All events use Contact ID reporting codes See Appendix A for a list of Contact ID messages generated by the 4640G.

NOTE: The 4640G supports Uplink Remote and event reporting for partition 1 only

Default Event/Email Messages

Email and Text Messaging will only be available for Status events (e.g., Low Voltage, Test, etc.). Events transmitted from the premises alarm panel via the 4640G’s Primary function will not be sent out by email or text messaging.

Completing the Installation and Testing

Once the physical installation is completed, the unit is activated from the dealer website, and programming changes are made, test the 4640G along with the alarm panel to ensure everything is functioning properly.

Verify the following:

1. Check that the LEDs on the GSM card are lit as follows
 - Power: Green, flashing once per second
 - GSM: Solid red
 - CS: Off
 - Platform: Solid amber
2. Trip an alarm on the alarm panel. Check that the 4640G has correctly reported the event to the central monitoring station.

Troubleshooting the Panel Connection:

If the “CS or “Platform” LEDs are blinking, here are possible problems:

- Incorrect wiring
- Incorrect panel switch position
- Master Code mismatch.
 - Set the Master Code on the panel and the 4640G to the same value.
 - Set the Master Code on the 4640G via the Dealer Portal using Over-The-Air (OTA) Programming commands.
 - Once set, only change the Master Code on the panel using the OTA commands in the Dealer Portal.
- Unsupported panel version
- Unsupported panel model
- Panel is in Installer Program Mode
- Vista Specific:
 - AUI not enabled
 - AUI used for some other function
 - LRR not enabled
 - Another LRR or IP/GSM device connected to panel bus
- Concord Specific:
 - Module not enrolled into the Concord Bus (perform another bus scan)
 - Another Automation device is enrolled on the Concord Bus

Factory Default Button

This button has two functions:

1. Holding this button for approximately 5 seconds will reset the 4640G Communicator.
2. Holding this button for approximately 10 seconds (all LEDs will flash twice) will set the 4640G to factory defaults. This clears the 4604G of any residual settings from a previous installation.

SPECIFICATIONS

Compatible Alarm Panels	
Honeywell	Vista 15P and 20P (v4.0 and later)
DSC	PowerSeries
Interlogix	CADDX NetworX, Concord 4
Radio Interface	
Technology	UMTS/HSPA+/GSM/GPRS/EDGE
Frequency Bands	850/1900 MHz
Sensitivity	-106 dBm (typical)
Output Power	Class 4 (2W @ GSM 850 MHz, max) Class 1 (1W @ GSM 1900 MHz, max) Class 3 (0.25W @ UMTS 850/1900 MHz, max)
Antenna Type	Internal (included) or external (not included)
Power	
Power Supply (not included)	12 VDC supplied by panel
Normal current	230 mA
Maximum current (peak)	2 A
Environmental	
Temperature range	Operating: 32° - 104° F (0° to +40° C) Storage: 0° - 122° F (-17° to +50° C)
Humidity	0 to 90% RH, non-condensing
Dimensions	
Height	6.25 inches
Width	4.0 inches
Depth	1.0 inches
Weight	1 lb
Certifications/Compliance	
EMC	FCC, IC, PTCRB, AT&T

APPENDIX A:

CONTACT IDCODES

Following is a list of Contact ID (CID) event codes that can be sent to the central station receiver through the 4640G. These events are generated by the control panel and depend upon its programming. Event codes that apply to certain control panels are marked as “X”.

Event	CID	Vista	DSC	NX	Concord
Medical Alarms					
Medical	100		X	X	X
Fire Alarms					
Fire	110	X	X	X	X
Smoke	111				X
Water flow	113				X
Heat	114				X
Pull Station	115			X	X
Panic Alarms					
Panic	120		X	X	X
Duress User	121	X	X	X	X
Silent	122	X		X	
Audible	123	X		X	
Burglar Alarms					
Burglary	130		X	X	X
Perimeter	131	X		X	X
Interior	132	X		X	X
24 Hour (Safe)	133			X	
Entry/Exit	134	X		X	X
Day/night	135	X		X	
Tamper	137			X	X
Near alarm	138				X
General Alarm					
General Alarm	140			X	
Expansion module failure	143	X			
Sensor tamper	144				X
Expansion module tamper	145	X			
Silent Burglary	146	X			
24 Hour Non-Burglary					
24 Hour Non-Burglary	150	X		X	X
Gas detected	151			X	X
Water Leakage	154			X	X
High temp	158			X	X
Low temp	159			X	X
Carbon Monoxide detected	162	X			X
System Troubles					

Event	CID	Vista	DSC	NX	Concord
AC Loss	301	X	X	X	X
Low system battery	302	X	X		X
System reset	305	X			
System shutdown					
Battery test failure	309			X	
Ground fault	310			X	
Power Supply Overcurrent	312			X	
Sounder / Relay Troubles					
Bell 1	321	X		X	
System Peripheral Trouble					
Expansion module failure	333	X		X	
Exp. Module Tamper	341	X			
RF Receiver Jam Detect	344	X			
Communication Troubles					
Telco 1 fault	351	X		X	
Long Range Radio xmitter fault	353	X			
Failure to communicate event	354	X		X	
Protection Loop					
Fire trouble	373	X			
Exit error alarm	374	X			
Sensor Trouble					
Sensor trouble	380	X		X	
Loss of supervision - RF	381	X		X	
Loss of supervision - RPM	382	X			
Sensor tamper	383	X			
RF low battery	384	X		X	
Sensor Watch trouble	391			X	
Drift Compensation Error	392				
Maintenance Alert	393	X		X	
Open/Close					
Open/Close User	400		X		X
O/C by user User	401	X		X	X
Automatic O/C User	403	X			
Late to O/C (Note: use 453, 4	404				X
Cancel User	406	X	X	X	X
Remote arm/disarm User	407	X			X
Quick arm User	408	X			
Keyswitch O/C User	409	X			
Armed STAY User	441	X			
Keyswitch Armed STAY User	442	X			
Exception O/C User	450				X
Early O/C User	451			X	
Failed to Open User	453				X
Failed to Close User	454			X	
Auto-arm Failed User	455	X			

Event	CID	Vista	DSC	NX	Concord
Exit Error (user) User	457			X	X
User on Premises User	458		X		
Recent Close User	459	X	X		X
Bypasses					
Sensor bypass	570	X		X	
Test/Misc.					
Manual trigger test report	601	X			X
Periodic test report	602	X	X	X	X
Status report to follow	605			X	
Listen- in to follow	606	X			
Walk test mode User	607	X			
Periodic test - System Trouble	608		X		
Event Log					
Event Log 90% full	623	X			
Time/Date reset User	625	X			
Program mode entry	627	X		X	
Program mode exit	628	X		X	
Personnel Monitoring					
Latch-key Supervision User	642	X			X



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