

DEALER BRANDING*



Contact Info

Customize your contact info and determine what you'd like to be displayed in "Contact Us", located on the right side of the "Home Screen" header. Dealer Contact fields allow up to 50 characters, Tag Line 2 allows up to 50.

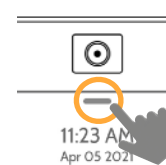
Dealer Name	ABC Security	Email	jondoe@abcsecurity.com
Tag Line 1	Automation & Security	Web	www.ABCsecurity.com
Tag Line 2	Atlanta's Preferred	Installation location ZIP Code	84008
Phone	(798) 123-4567		

SAVE

Example:

ABC Security
Automation & Security
Atlanta's Preferred
798-123-4567
jondoe@abcsecurity.com
ABCSecurity.com
84008

FIND IT



Swipe down for access



SETTINGS



ADVANCED SETTINGS



ENTER CODE (2222)



DEALER BRANDING



CONTACT INFO

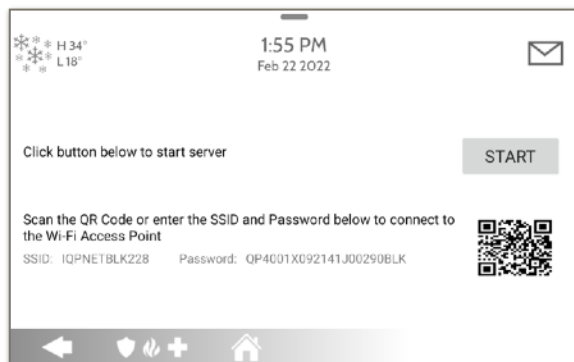
*This page available only through the Dealer Code

DEALER BRANDING*



On-Screen Branding

Load a Custom Logo, Dealer Billboard images or add/replace Help Videos via the Panel Access Point. Dealer Billboard (photo frame) images cannot be deleted by an end user.

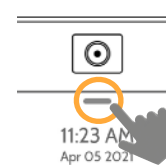


1- Scan the QR Code with your phone camera or manually connect to the Panel AP with the SSID and Password shown on the screen.

2- Press “Start” to begin the local server session, then from your device scan the second QR code or navigate to the “https” site shown on the Panel screen.

3- Follow the prompts on your device screen to select the correct files and transfer them to the Panel.

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DEALER BRANDING



ON-SCREEN BILLBOARD

*This page available only through the
Dealer Code

CONNECTING TO WI-FI



To connect to a Wi-Fi network, follow the steps below:

Swipe down from the top menu bar and select settings.



Touch Advanced Settings (Installer Code)



Then touch "Wi-Fi"



Enable Wi-Fi if not already active

Available networks appear in a list. Touch the desired network and use the keyboard to type the password (if required).

Note: Frequency, PMF and more can be changed under Advanced Settings

Activate WIFI



Qolsys-5G
Connected



Now Communications



Qolsys



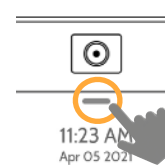
Sunset Room



Vertical Ops 2.4

+ Add wi-fi network

FIND IT



Swipe down
for access



SETTINGS



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WI-FI

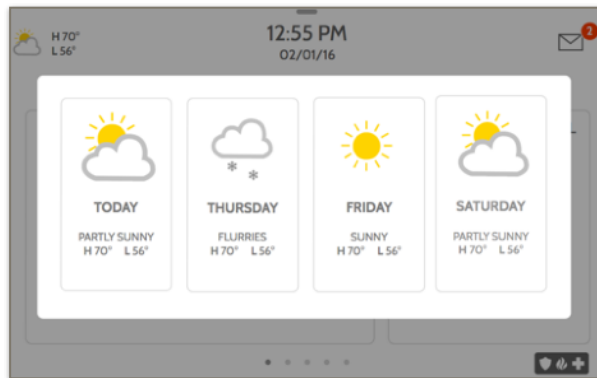
WEATHER



H 36° L 20°

TODAY'S FORECAST

Today's forecast is displayed on the weather icon with a graphical representation of precipitation and High and Low temps.



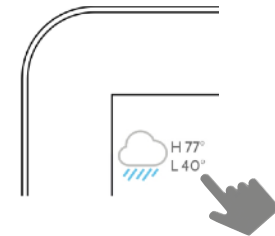
4-DAY FORECAST

Touch the weather icon to get a 4-day forecast. This information is updated once daily via Alarm.com services. (Will not display or update weather connected to wifi only)

LOCATION

Weather reporting is based on location as indicated by the zip code entered into Alarm.com when the account is created.

FIND IT



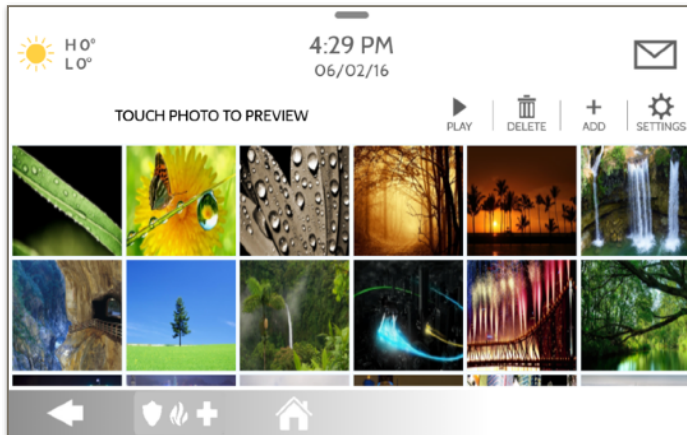
Touch the weather icon in the upper left corner of the header to reveal a 4 day forecast

PHOTO FRAME



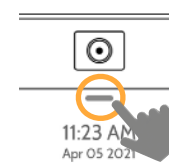
PHOTO FRAME

The IQ Panel can be set to display digital photos when not in use. This feature, called “Photo Frame”, can be changed or turned off through “Photo Frame Settings”. (Swipe down from the menu bar).



Display type
Choose a display type for your photo frame. Opt to turn it off completely, scroll through pre loaded images or view a “weather clock”

FIND IT



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for access



PHOTO FRAME

PHOTO FRAME APP BUTTONS



PLAY

PLAY: Starts Photo Frame immediately. Good for testing photo frame feature appearance and transitions



DELETE

REMOVE PHOTOS: Allows you to remove photos one by one or all at once



ADD

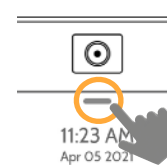
ADD PHOTOS: Download one of several “Wi-Fi” photo sets using your panel’s WiFi connection. If you are using an Android device, you can transfer photos to the IQ Panel using Bluetooth. You can also transfer photos via the built-in Panel Access Point.



SETTINGS

SETTINGS: Change the Photo Frame’s “Display Type” from Off to On or enable a “Weather Clock” screen saver. Change transitions, adjust display time, set automatic on/off times and more

FIND IT



Swipe down
for access

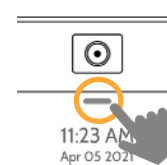


PHOTO FRAME

PHOTO FRAME SETTINGS

Item	Default	Description
Duration	1 minute	How long each image will show before transitioning to the next image in the library (1, 2, or 5 minutes)
Effect	Dissolve	Transition effect used between each image (fade to black, dissolve)
Shuffle	Enabled	Display pictures in random or sequential order
Display Type	Photo Frame	Choose what to display on the screen when the panel is not in use. (Off, Photo Frame and Weather Clock)
Photo Frame Start Time	10 minutes	Choose the amount of time to wait after the last touch before starting the selected display type. (1, 5, 10, 15, 20, 25, or 30 minutes)
Nighttime Mode Start Time	11:00 PM	Determines the time when the display, voices or chimes shutdown completely. (Use this feature to turn off the LCD, voices and/or chimes at night)
Nighttime Mode End Time	6:00 AM	Determines the time when the display, voices or chimes "wake up" after sleeping. (Use this feature to turn the LCD, voices and/or chimes back on in the morning)
Nighttime Mode Settings	Display	Choose what the Nighttime Mode Start/End times have the ability to control (Display, Voices and/or Chimes)

FIND IT



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PHOTO FRAME



PHOTO FRAME SETTINGS

MAINTENANCE

UPGRADE SOFTWARE

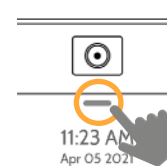


Upgrade Software

Upgrade the panel's software version using Wi-Fi.

Setting	Description
Upgrade Using Network	Search the network for updates and install new software NOTE: For UL/cUL or EN Grade 2 installations remote software uploading is not allowed
Upgrade Using Access Point	Connect to the Panels' built-in Access Point to install new software
Patch Tag	A code corresponding to a specific software update on the server
Automatic Background Check and Download	Allows the panel to check for new software in the background and download it to local storage so that it can be applied at a later date. Default Enabled
Automatic Check Interval	Determines interval the IQ Panel will look for software update. Available options are Every Night, Once a Week, Once a Month. Default Once a Week

FIND IT



Swipe down
for access



SETTINGS



ADVANCED SETTINGS



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UPGRADE SOFTWARE

NOTE: Proper maintenance requires prompt administration of any software updates

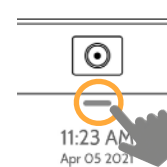
UPGRADE SOFTWARE USING WI-FI

Keeping your panel up to date is essential in ensuring it receives the newest features and is free from bugs.

To perform a software update using Wi-Fi follow the steps below:

- 1- Ensure your panel is connected to Wi-Fi and has an internet connection.
- 2- From the drop down menu select "Settings" then "Advanced Settings". (Installer/Dealer Code)
- 3- Touch "Upgrade Software"
- 4- Touch "Upgrade Using Network" The IQ Panel will check for the latest software update. If your panel is up to date you will see a message confirming that you have the most recent software version.
- 5- If a software update IS available the panel will automatically begin downloading it.
- 6- Once the download is complete a pop up message will appear informing you that in order to install the software you must restart the panel. Touch "OK." Your panel will install the update and automatically restart.

FIND IT



Swipe down
for access



SETTINGS



ADVANCED SETTINGS



ENTER CODE (1111, 2222)



UPGRADE SOFTWARE

NOTE: For UL/cUL or EN Grade 2 installations the remote software feature shall not be used and the panel shall not be setup to remotely upgrade.

UPGRADE SOFTWARE USING ACCESS POINT

Most updates are downloaded over Wi-Fi, but in the event that Wi-Fi is not present at the installation site, a Panel can be updated with files transferred from a local device (phone, tablet, computer, etc) via the built-in Panel Access Point or from IQ Installer.

To perform a software update using the Panel Access Point follow the steps below:

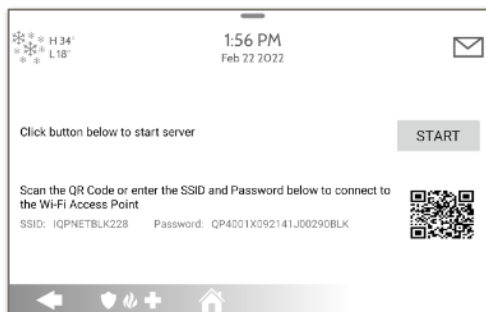
1- Download the needed software update files from the Dealer Portal to your device (phone, tablet, computer).

2- Go to Settings/Advanced Settings/Upgrade Software then touch “Upgrade Using Access Point”.

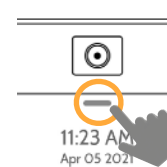
3- Scan the QR Code with your phone camera or manually connect to the Panel AP with the SSID and Password shown on the screen.

4- Press “Start” to begin the local server session, then from your device scan the second QR code or navigate to the “https” site shown on the Panel screen.

5- Follow the prompts on your device screen to select the correct files and transfer them to the Panel.



FIND IT



Swipe down
for access



SETTINGS



ADVANCED SETTINGS



ENTER CODE (1111, 2222)



UPGRADE SOFTWARE

NOTE: For UL/cUL or EN Grade 2 installations the remote software feature shall not be used and the panel shall not be setup to remotely upgrade.

AUTOMATIC BACKGROUND CHECK AND DOWNLOAD

Turning on Automatic Background Check & Download enables the panel to check for a new software version based on the Automatic Check Interval (default is Once a Week).

From the drop down menu select "Settings"

"Advanced Settings". (Installer/Dealer Code)

Touch "Upgrade Software"

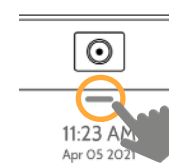
Make sure the "Automatic Background Check and Download" button is checked.

Change update interval by selecting "Automatic Check Interval"



QUESTIONS? Contact us at techsupport@qolsys.com

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SETTINGS



ADVANCED SETTINGS



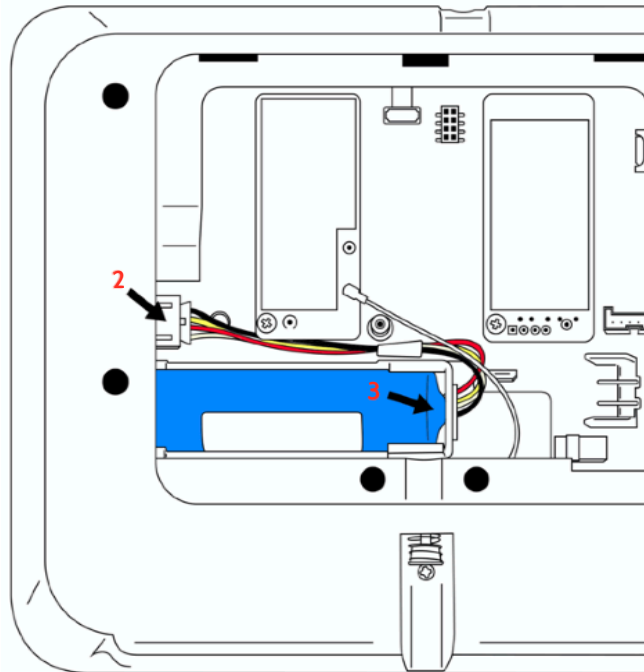
ENTER CODE (1111, 2222)



UPGRADE SOFTWARE

BATTERY REPLACEMENT

NOTE: This device and Lithium Battery shall be recycled and disposed of in accordance with your country (i.e. US, Canada, etc) and Laws including UK and and European Directives and any other National and Local Regulations and Laws



1. **Power down panel:** Go to Settings/Advanced Settings and enter the Installer/Dealer/Master code, then select "Power Down"
2. **Unplug Battery Connector:** Once the panel is powered down, unplug 4 pin battery connector from the board.
3. **Remove Battery:** Pull up on the edge of the battery with your finger to release it from the plastic hold down.
4. **Install New Battery:** Press the battery into place. Route the cable between the battery and the daughter cards. Plug the 4 pin connector back in and power the panel back up.

CAUTION:

Do **NOT** use a screwdriver or anything sharp that could puncture the battery.

Do **NOT** pull on the battery cable to try and remove battery.

BATTERY REPLACEMENT

WARNING: The battery used in this device may present a risk of fire or chemical burn if mistreated. Do not disassemble, heat above 60°C, or incinerate. Replace battery with Icon Energy Systems (Shenzhen) Co Ltd, Model IANO34NA or Ningbo Veken Battery Co. Ltd., Model VT27 only. Use of another battery may present a risk of fire or explosion.

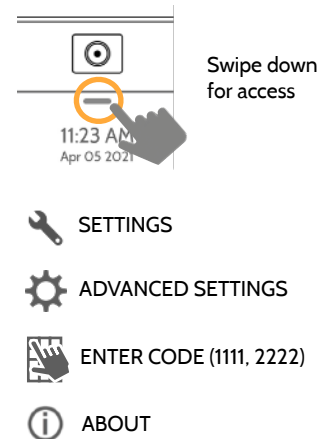
WARNING: Dispose of used battery promptly. Keep away from children. Do not disassemble, do not crush and do not expose of in Fire. Do not leave battery in extremely low air pressure.

TROUBLESHOOTING

ABOUT



FIND IT



ABOUT

Item	Description	
Battery	Battery Status: Disconnected, Charging, Full	Battery Level: Displayed in %
Software	Software Version: Current Software Version Build Number:	Linux Version: Android Version:
Hardware	Hardware Version: Manufacturer: Qolsys Inc. San Jose, CA PCA Serial #: Part #: System Configuration:	System Serial #: RF PIC Version: EEPROM Format Version:
Patches	Patch Description: Details of all previous patches applied	Last Upgrade Date:
Panel	MAC Address:	Panel Up Time:
Cellular	Carrier: Current Carrier Cellular Connection: no signal, registered etc. Cellular Signal Strength: x/5 bars, (xx/xx) internal IMEI: Alarm.com radio number	IMSI: Carrier Sim Information ICCID: Carrier Sim Information Baseband Version: Configuration Version:

ABOUT

Item	Description	
Z-Wave	Home ID: Z-Wave Firmware Version: Z-Wave API Version: Manufacturing ID: Product Type:	Product ID: ZipGateway SDK Version: Region: Frequency:
PowerG	Modem Firmware Version Modem Build Number Radio Firmware Version	Radio Software ID PowerG RF Band
Wi-Fi Information	Connection: Connected/Disconnected IP Address: Panel's IP Address when connected SSID: Network panel is connected to	Speed: Connection speed shown in Mbps Internet: Can the panel communicate outside the home. Available/Unavailable
Internal Storage	Total Space: Total space shown in GB Available Space: Space available for media Photos: Breakdown of space used for photos	Videos: Breakdown of space used for videos Logs: Space used for storing panel logs
Zigbee	Zigbee Version: Zigbee Card EUl:	Zigbee Build Version:

POWER DOWN

DO NOT remove all power without following the steps below. In the event of needing to move the panel from one location to another it is safe to unplug the power supply while leaving the battery plugged in.

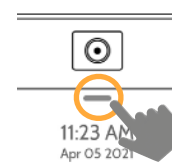
1. From the drop down menu select “Settings”.
2. Select “Advanced Settings” then enter your installer code
3. Select “Power Down”
4. Wait for panel LED to turn off
5. Disconnect the power

IMPORTANT: Failure to perform these steps in the proper sequence may result in data corruption and/or panel failure.



QUESTIONS? Contact us at techsupport@qolsys.com

FIND IT



Swipe down
for access



SETTINGS



ADVANCED SETTINGS



ENTER CODE (1111, 2222)



POWER DOWN

PANEL REBOOT

If the panel is experiencing difficulties you can often resolve it by resetting the operating system.

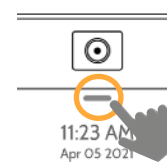
1. From the drop down menu select "Settings".
2. Select "Advanced Settings" then enter your installer code
3. Select "Panel Reboot"
4. Wait for the panel to restart

IMPORTANT: Failure to follow these steps properly may result in data corruption and/or panel failure.



QUESTIONS? Contact us at techsupport@qolsys.com

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SETTINGS



ADVANCED SETTINGS



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PANEL REBOOT

HARD REBOOT



x 30 sec

IMPORTANT: Performing a hard reboot may result in data corruption and/or panel failure. Only use this when absolutely necessary.



QUESTIONS? Contact us at techsupport@qolsys.com

PANEL TEST TROUBLESHOOTING

If you run a panel test and it fails, use the following steps to fix the issue.

Test	Description	If fails:
Arm-Disarm	Tests the arm/disarm operation	Reboot panel, run test again then if necessary perform a master reset and repeat test
Camera	Tests panel camera operation	Reboot panel, run test again then if necessary perform a master reset and repeat test
Photos	Checks that photos are loaded in the photo frame app	1) Go to Settings -> Photo Frame -> Add Photos 2) Add photos from Wifi photo sets
Help Videos	Checks help videos are installed in the panel.	1) Load Help Videos with a Patch Tag
Battery	Checks panel battery health	1) Make sure the battery is connected 2) If test continues to fail, replace the battery
LED Green/Red	Check panel LED operation	1) Reboot the panel and run the test again 2) Master reset and repeat test

PANEL TEST TROUBLESHOOTING

Test	Description	If fails:
Panel Tamper	Check panel Tamper state	1) Check to ensure backplate is secure and installed properly. 2) Repeat test.
AC Status	Check panel AC power status	1) Inspect the wire leads are secure and properly connected on the terminal block and adapter. 2) Repeat test.
Internet Connection	Check panel's Internet connectivity	1) Go to Wifi Setting page, Enable Wifi and connect to a Wifi Network 2) Make sure Internet is available on the home router. You can check internet information in the "About" section. 3) Contact your network service provider on continued internet connectivity failure.
Wi-Fi	Tests whether panel is connected to Wifi network	1) Go to Wifi Setting page and enable wifi. 2) Connect to a Wifi Network
Upgrade Service	Checks that the panel can receive updates from the Qolsys servers	1) Verify internet and Wi-Fi connections.
Z-Wave	Check panel's Z-Wave module operation	1) Reboot the panel and repeat test. 2) Master reset and repeat test
Sirens	Check that the panel's siren is functioning properly (Burglar, Auxiliary, Fire & CO).	1) Verify the siren is plugged in

LEGAL

Important warning and information can be found on exterior back of the panel.



UL/cUL RESIDENTIAL FIRE & BURGLARY INSTALLATIONS

This product has been tested and found in compliance with the following standards: UL1023 Household Burglar-Alarm System Units, UL985 Household Fire Warning System Units, ULC-S545 Residential Fire Warning Systems Control Units and ULC-S304 Security Level I Control Units, Accessories and Receiving Equipment for Intrusion Alarm Systems. For ULC Installations refer to the Standard for the Installation of Residential Fire Warning Systems, CAN/ULC-S540:

- Use only the compatible power supply referenced in this Installation Manual. 24 h standby power must be provided for fire applications and 4h for burglary only applications (AC trouble must be transmitted to SRC within 60 minutes).
- Priority of signals on the Panel is set as Fire, CO, Burg, Panic, Aux and then Flood.
- Use at least one compatible listed Smoke Detector for Fire Installations.
- The entry delay shall not exceed 45 sec (UL) and 180 sec (ULC Security Level 1).
- The exit delay shall not exceed 120 seconds (UL).
- The control panel supports the Temporal 3 pattern for fire alarm notification
- Test transmission cycle shall be set for 7 days transmission for Residential Fire applications, or 30 days for Residential Burglary only applications.
- If Wireless Repeater is required to be employed with a RF Smoke Detectors or CO Detectors, two repeaters must be installed to cover EACH Smoke Detector and/or EACH CO detector.

UL/cUL RESIDENTIAL FIRE & BURGLARY INSTALLATIONS

Note: For ULC Residential Fire and Burglary (ULC-S304 Level I) installations set for daily test transmission, Wireless Supervision window shall be set to 4 hours for UL/ULC Residential Fire Installations. Wireless Supervision window shall be set to 24 hours for Residential Burglary Installations only. RF Jam detection shall be enabled.

For UL 985 6th Ed. Compliant installations using also the Wi-Fi connection, ensure Power for network equipment such as hubs, switches, routers, servers, modems, etc., is backed up or powered by an uninterruptible power supply (UPS), standby battery or the control unit, capable of facilitating 24 h standby

Note: For UL residential fire and burglary applications, it is required to use UL listed compatible siren models PG9901 or PG9911 to provide mandatory local notifications for fire and burglary alarms. The integral sounder is considered for supplementary use only. A maximum of two daughter radio cards (PowerG, SRF319, SRF345, SRF433 [DSC or AT&T], and Zigbee) shall be used in the available slots.

Note: SRF345, SRF433 and SRF433 AT&T cards along with the compatible devices are UL/cUL listed only for use in residential fire and burglary applications (ULC-S304 Security Level I).

UL/ULC COMMERCIAL BURGLARY INSTALLATIONS

This product has been tested and found in compliance with the following standards: UL2610 Central Station Burglar-Alarm Units and ULC-S304 Control Units, Accessories and Receiving Equipment for Intrusion Alarm Systems, Security Levels I-II.

The subscriber control unit shall provide for the connection of protective wiring, conductors, and attachments in accordance with the Standard for Installation and Classification of Burglar and Holdup Alarm Systems, UL 681 in USA and in accordance with ULC-S301, CSA C22.1, Canadian Electrical Code, Part I, Safety Standard for Electrical Installations and ULC-S302 Standard for the Installation, Inspection and Testing of Intrusion Alarm Systems, in Canada.

Note: The product is not intended for installation outdoors or outside the protected premises.

This product is UL/ULC listed under the following categories: AMCE/AMCX7 Central Stations Alarm Units, UTOU/UTOU7 Control Units and Accessories, Household System Type NBSX/NBSX7 Household Burglar Alarm System Units. Zigbee card shall not be installed. For further information on this product's listings please also refer to the official listing guides published at the UL website (www.ul.com) under Online Directory Section.

Programming:

The notes in the Installation Manual describing the system configurations for UL/uLC listed installations shall be implemented. RF Jam detection shall be enabled. Panel Siren is for supplementary use.

Use only PowerG sensors listed in "Supported PowerG Sensors" of this installer manual for UL/ULC Commercial Burglary installations. Require valid user code to arm this system must be enabled.

UL/ULC COMMERCIAL BURGLARY INSTALLATIONS continued...

UL2610 Central Station with Standard or Encrypted Line Security Service and ULC-S304 Security Level I-II/A3 Active communication channel:

- The installation must use the integral cellular communicator, which sends events over Cellular Data Network to the compatible Sur-Gard System I/II/III/IV/5 receiver.
- The communication path supervision window is set to 180s with 90s heartbeat and the compromise detection takes place within 3 minutes. The panel is using encrypted line security AES256. NIST certificate A1554.
- Wireless Supervision window shall be enabled and set to 4 hours
- Open/Closing acknowledgment shall be enabled
- For ULC-S304 compliant installations using also the Wi-Fi connection, ensure Power for network equipment such as hubs, switches, routers, servers, modems, etc., is backed up or powered by an uninterruptible power supply (UPS), standby battery or the control unit, capable of facilitating 24 h standby.
- The entry delay shall not exceed 60s (UL) and 60s (ULC Security Level II).
- The exit delay shall not exceed 60s (UL) and 45s (ULC Security Level II).

Note: For UL certified Commercial Burglary Central Station applications the IQ Panel provides an acknowledgment signal to the user interface to confirm that a normal closing signal has been received once the system has been armed. The device causes an audible and visual indication, when it receives the acknowledgment signal transmitted from the monitoring station compatible receiver: "Panel – Arming Response from Central Station is Acknowledged"

UL/ULC COMMERCIAL BURGLARY INSTALLATIONS continued...

Protection of the Control Unit:

The local control unit and the local power supply must be protected in one of the following ways:

- The control unit and audible alarm device must be in a protected area which is armed 24 hours a day.
- Each partition must arm the area protecting the control unit and the audible alarm device power supply. This may require duplicate protection armed by each partition. Access to this protected area, without causing an alarm, will require that all partitions be disarmed.
- In all cases described above, the protected area for the control unit must be programmed as not-bypassable

For installations employing packet switched (network) communications such as Cellular/Wi-Fi the following recommendations shall be followed:

- Select the Internet Service Providers that have redundant servers/systems and Back-up power.
- Routers shall have Firewalls enabled and methods to identify and protect against “Denial of Service” attacks (i.e. via “spoofing”).
- For UL Commercial Burglary applications the loss of communication with the monitoring station shall be treated as an alarm condition by monitoring station personnel when the burglar alarm system is in the armed state, and as a trouble condition while the system is disarmed. Packet switched data network (PSDN) interface equipment, manufactured by other than the burglar alarm equipment manufacturer, that is not provided with the burglar alarm system and/or not required for the processing of the signals shall be evaluated to the applicable requirements of the Standard for Information Technology Equipment - Safety - Part 1: General Requirements, UL 60950-1, or the Standard for Audio/Video, Information and Communication Technology Equipment - Part 1: Safety Requirements, UL 62368-1, as communication equipment. Any network interface device which adds value or manipulates the original data packet such as changing transmission formats, adding encryption, and the like, shall comply with the applicable requirements noted in this standard.

UL/ULC COMMERCIAL BURGLARY INSTALLATIONS continued...

User Information:

- The installer should advise the user and note in the User's Manual
- Service organization name and telephone number
- The programmed exit and entry time
- Instructions to test system weekly
- Note that the installer code cannot arm or disarm the system
- The installer should caution the user not to give system information (e.g., codes, bypass methods, etc.) to casual users (e.g., service people) and to only give out codes set to expire within 24 hours
- Identification of the conditions that might be expected to result in false alarms or impaired operation of the product(s): arming the system and not respecting the exit delay, entering the protected premises and not respecting the entry delay for disarming the system can cause false alarms.

FCC & ISED CANADA COMPLIANCE STATEMENT

FCC RF Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, this equipment should be installed and operated with minimum distance 20 cm (7.8 inches) between the antenna and your body during normal operation. User must follow the specific operating instructions for satisfying RF exposure compliance.

ISED Canada RF Exposure statement

This equipment complies with ISED RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm (7.8 inches) between the radiator and any part of your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Cet équipement est conforme aux limites d'exposition aux radiations ISED CNR-102 établies pour un environnement non contrôlé. Une distance de séparation d'au moins 20 cm doivent être maintenue entre l'antenne de cet appareil et toutes les personnes.

FCC & ISED CANADA COMPLIANCE STATEMENT continued...

FCC Compliance Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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 Qolsys Inc. could void the user's authority to operate the equipment

FCC & ISED CANADA COMPLIANCE STATEMENT continued...

ISED non-interference disclaimer

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

This device complies with the Canadian ICES-003 Class B specifications. CAN ICES-003(B) / NMB-003 (B).

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempt de licence.

L'exploitation est autorisée aux deux conditions suivantes :

- (1) L'appareil ne doit pas produire de brouillage;
- (2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Cet appareil numérique de la Canadian ICES-003. Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

CE COMPLIANCE STATEMENT

CE DECLARATION OF CONFORMITY

This product is in conformity with the Electromagnetic Compatibility Directive 2014/30/EU, the Low Voltage Directive 2014/35/EU, and the RoHS3 Directive (EU) 2015/863.

The product is labelled with the CE mark as proof of compliance with the above mentioned European Directives. Also, a CE declaration of conformity (DoC) for this product can be found at www.qolsys.com

Simplified EU Declaration of Conformity Hereby, Qolsys Inc. declares that the radio equipment type is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: www.qolsys.com

Frequency Bands	Maximum Power	Frequency Bands	Maximum Power
868.0 MHz - 868.6 MHz	15 mW	868.7 MHz - 869.2 MHz	15 mW
Wi-Fi 2402 - 2480.5MHz	2.1 mW	Wi-Fi 2412 - 2462 MHz	219.3 mW
Wi-Fi 5108 - 5240 MHz	66.7 mW	Wi-Fi 5260 - 5320 MHz	67.1 mW
Wi-Fi 5500 - 5700 MHz	69.8 mW	Wi-Fi 5745 - 5825 MHz	66.2 mW
BLE 2402 - 2480 MHz	6.3 mW	UMTS I/LTE B1 2100 MHz	0.25 W
UMTS VIII/LTE B8 900 MHz	0.25 W	LTE B20 700MHz	0.25 W

European single point of contact: Tyco Safety Products, Voltaweg 20,6101 XK Echt, Netherlands.

UK single point of contact: Tyco Security Products, Unit 1, 3 & 4, Letchworth Industrial Estate, Works Road, Letchworth Garden City, Hertfordshire SG6 1FF

EN COMPLIANCE STATEMENT

EUROPEAN EN50131 COMPLIANCE STATEMENT (Only for those products labeled EN50131 Compliant)

This product, IQPanel 4, has been certified by Telefication/Kiwa for installations in accordance with EN50131 up to Grade 2, Class I and meets the requirements of Grade 2, Class I equipment per Standards: EN50131-1:2006+A1:2009+ A2:2017+A3:2020, EN50131-3:2009, EN50131-4: 2019, EN50131-10: 2014, EN50131-6:2017 Type A, EN50136-1:2012, EN50136-2:2013 ATS category SP2, SP4, DP1, DP3.

For EN50131 compliant installations, with alarm control panel IQPanel 4, only the intrusion portion of the alarm system may be activated.

For EN50131 compliant installations, the following functions must be disabled:

- Fire Alarm
- CO Alarm
- Auxiliary (Medical) Alarm functions

The PowerG peripheral devices have two-way communication functionality, providing additional benefits as described in the technical brochure. This functionality has not been tested to comply with the respective technical requirements and should therefore be considered outside the scope of the product's certification.

EN COMPLIANCE STATEMENT continued...

Enable “EN Grade 2” Setting

By enabling “EN Grade 2” setting, the following parameters will be changed automatically.

- Entry Procedure (EU) - Follows entry procedures and alarm transmission delays specified by EN 50131-1 standards section 8.38
- Enables arming protest feature when trouble conditions are present. The user must override any troubles in order to arm the system.
- Trouble conditions will remain present until a user has acknowledged them.
- Trouble beeps are expanded to include fault indications required by EN 50131-1 section 8.5.2
- Screen will automatically lock 30 seconds after disarming the system.
- EU Event history buffer - Found in the basic settings menus, EU Events will record mandatory history events specified by EN 50131-1 section 8.10
- Enables “EU Event Swinger Shutdown Count” - setting to change the count to 3 events allowed for any individual event during an arming cycle
- “Auto Bypass” setting is not available
- Panel allows 5 incorrect user code attempts and then locks access for 90 seconds

The installer must be responsible for settings the rest of the following parameters in order to be EN 50131-1 compliant:

- Enable “Screen Lock” settings
 - Set “Loss of Supervisory Signals for PowerG non-emergency sensors” to 20 minutes
 - Set “Normal Entry Delay” to maximum 45 seconds
 - Set Trouble Beeps Timeout to 3 minutes
 - Enable “PowerG RF Jam” EN 30/60
 - Set “Dialer Delay” must remain at 30 seconds
 - Disable “LED Indicator”
 - Disable “Fire Panic” and “Auxiliary Panic”
 - Enable 6 digit access codes
 - “Voice Prompt” needs to be disabled for the security sensors for EN compliant installations
- User must enable “Dealer or Installer Access Requires User Permission

EN COMPLIANCE STATEMENT continued...

Notes for EN50136-1:2012 Compliant Installations:

The IQ Panel has an integral communicator using the Qolsys proprietary serial interface. The communicator circuitry operates in pass-through mode and it does acknowledge the alarm to the compatible controls panel after an acknowledgement has been received from the compatible alarm receiver.

The IQ Panel 5 integral communicators are compatible with the following receivers: Sur-Gard System I-IP Receiver, version 1.41+, Sur-Gard System II Receiver, version 2.14+, Sur-Gard SG-DRL3-IP, version 2.36+ (for Sur-Gard System III Receiver), Sur-Gard SG-DRL4-IP version 1.29+ (for Sur-Gard System IV Receiver), and Sur-Gard SGDRL5-IP version 1.04+ (for Sur-Gard System 5 Receiver).

1. The IQ Panel 5 integral communicator is monitored by the control panel and it is programmed via the programming menu available from the website portal.
2. The HSPA 3G/LTE Cellular path is immune to conducted and radiated RF fields with levels up to 10V/m as tested per EN50130-4 Standard.
3. The IQ Panel 5 integral communicator conforms with radiated emissions levels for Class B equipment as per standards EN61000-6-3/EN55032/CISPR32.
4. The IQ Panel 5 integral communicator has one cellular communication path using 900/1800/2100 MHz Public Cellular Network and one Wi-Fi 2.4/5GHz communication path. It can use one, the cellular path (SP2 or SP4) or both in backup configuration (DP1 or DP4 using cellular as primary path and Wi-Fi as back-up).
5. The IQ Panel 5 integral communicator used AES128 encryption algorithm for communication with compatible receivers. The AES 128 encryption of data communication ensures substitution and information security.
6. The IQ Panel 5 integral communicator has been tested for compliance in conjunctions with the following applicable standards: EN50136-1:2012+A2:2018, EN50136-2:2013, EN50131-10:2014, ATS configuration: SP2, SP4 and DP1, DP3.

For EN50131-1:2006/A1:2009/A2:2017/A3:2020 compliant installations, the following programming options shall be set as described: Test transmission interval set to 24h for SP2 and DP1 configuration. Supervision shall be set to 180s for SP4 and DP3 configurations. IQ Panel 5 integral communicator has been certified by Telefication in accordance with EN50131-1:2006/A1:2009/A2:2017/A3:2020, EN50131-10:2014 requirements for Grade 2, Class I and EN50136-2:2013 Configuration: SP2, SP4, DP1 and DP3.

UK COMPLIANCE STATEMENT

PD6662 COMPLIANCE STATEMENT (Only for those products used in UK installations)

The IQPanel 4 is suitable for use in systems installed to conform to PD6662:2017 (with notification options: A, B, C, D, or F) at Security Grade 2 and environmental Class I. BS8243:2010 + A1:2014, where Option:

- A. denotes use of 2 remotely powered sirens and single path rated SP2 communicator
- B. denotes use of a self powered siren (ex. PG8901/PG8911) and a single path rated SP2 (24h supervision, use Cell only) communicator
- C. denotes use of a dual path rated DP1 (24h supervision, use Cell and Wi-Fi) communicator, use of sirens is optional
- D. denotes use of single path rated SP4 (180s supervision, use Cell only) communicator, use of sirens is optional
- F. denotes use of a dual path rated DP3 (180s supervision, use Cell and Wi-Fi) communicator, use of sirens is optional

ADDITIONAL LEGAL INSTRUCTIONS

Recycling and Disposal:



Dispose in accordance with applicable legislation. This product must be disposed of separately from general household waste. Take it to a designated waste collection point in your area for safe disposal or recycling in accordance with National (i.e. US, Canada, European, Mexico, etc), Regional, State and Local Regulations and Laws. By doing this, conservation of natural resources, protection of the environment and human health occurs.

Declaración para México

La operación de este equipo está sujeta a las siguientes dos condiciones:

- (1) es posible que este equipo o dispositivo no cause interferencia perjudicial y
- (2) este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que pueda causar su operación no deseada.

Este equipo no cuentan desde su fabricación, con todos los componentes que permitan el establecimiento automático de llamadas de voz mediante la funcionalidad VoLTE.

SPECIFICATIONS

SPECIFICATIONS - NORTH AMERICA



Items	Parameters	IQ Panel 5, IQ5 Hub, IQ5 NS
Platform	Android OS	Android 12
LCD Display IQ Panel 5, IQ5 Hub only	Size	7" (17.8CM) LCD
	Resolution	1280 x 800 pixels (IQ Panel 5), 1024 x 600 (IQ5 Hub)
	Brightness	300 cd/m ²
	RGB Color	24bit, 16.9 million colors
Processor	4 Core	Qualcomm Snapdragon 4 Core SOM (System On a Module) with 32 GB of NAND Flash
Touchscreen	Type	Capacitive glass multi-touch
User Codes	Up to 242	Role based (Dealer, Installer, Master, User, Guest, Duress)
Network	WiFi	Wi-Fi 802.11 a/b/g/n/ac dual band 2.4/5ghz - including built-in router capability
	Cellular	LTE CAT4 (Bands 2/25, 4/66, 5/26, 7, 12/17, 13, 14 (non-First Net) For units with 3G WCDMA (Bands 2, 4 and 5)
Z-Wave Plus™ 800	Up to 167 Devices	167 total devices (80 lights, 20 Locks, 40 Thermostats, 21 Misc, 6 Garage Doors)
PowerG Automation	Up to 167 Devices	167 total devices (80 lights, 20 Locks, 40 Thermostats, 21 Misc, 6 Garage Doors)
PowerG Security	Up to 128 devices	915 MHz, long range, secure encrypted two-way wireless
Security RF		Depending on the model; either S-Line encrypted 319.5MHz, 345MHz or 433MHz
Bluetooth	Disarming, Audio Streaming	Qualcomm Bluetooth Low Energy (BLE) 4.2
Flash Memory	Internal Storage	32GB NAND Flash

SPECIFICATIONS - NORTH AMERICA



Items	Parameters	IQ Panel 5, IQ5 Hub, IQ5 NS
LED Indicator	Status LED	Green (Disarmed), Red (Armed), full color RGB LED
Speakers/Siren	IQ Panel 5	2x Front Facing 4watt speakers and 85dB piezo siren
	IQ5 Hub, IQ5 NS	1x Front Facing 4 watt speaker and 85dB piezo siren
Camera	Front Camera	IQ Panel 5 only: 13MP wide angle 120° field of view, fixed focus camera, portrait view
Microphone	IQ Panel 5	2 MEMs (micro electro mechanical system) microphones with echo cancellation
	IQ5 Hub, IQ5 NS	1 MEMs microphone
Tamper	Tamper Switch	Dual Panel and wall tamper switch with spring release
Battery	Type 18650	Lithium Ion 3000mAh. Ningbo Veken Battery Co., Ltd, Model VT27 or Icon Energy System Co. Ltd, Model IANO34NA
Buttons	Hard Button	Single wake/sleep button used for sleep/wake, hard reboot, and clean screen cancel
Mechanical	Dimension	6.1"H x 7.5"W x 1"D (155mm x 191mm x 26mm)
Power Supply	AC/DC External Plug-in Adapter	Output: 12vDC (≡) 1000mA CC, Input 100-240VAC 50/60Hz. Adapter evaluated at 120vAC for UL/cUL
Mount	Back Plate	SmartMount wall mount included. SmartMount table stand sold separately.
Certification	UL/ULC	UL/ULC Residential Fire and Burglary and UL/ULC Commercial Burglary Alarm Control Unit. Compliant with standards: UL985, UL1023, UL2610, ULC-S545, ULC-S304
	FCC ID	2AAJXQSIQP (may contain additional modules with separate FCC ID's)
	IC	11205A-QSIQP (may contain additional modules with separate IC ID's)
	NOM, IFETEL	Certificado No.: Reserved
Temperature	Operational	0 to 49C, up to 93% relative humidity, indoor, dry ordinary locations use only
	Storage	-20 to 50C

SUPPORTED 319 MHz S-LINE SENSORS



Detector Type	Model
IQ Door/Window-S	QS1133-840 ^{UL} , (UL Listed M/N: 60-362N-10-319.5), QS1135-840, QS1136-840, QS1137-840
IQ Motion-S	QS1230-840 ^{UL} , (UL Listed M/N: 60-639-95R), QS1231-840
IQ Glass-S	QS1431-840 ^{UL} , (UL Listed M/N: IQ Glass-S)
IQ Shock Mini -S	IQSM ^{UL}
IQ Smoke	QS5110-840 ^{UL}
IQ CO	QS5210-840 ^{UL}
IQ Heat 135/200	QS5519-840 ^{UL}
Keyfobs	QS1331-840
Tilt Sensor	QS1131-840
Flood Detector	QS5536-840
Temperature Sensor	QS5535-840
IQ Hardwire 16-F	QS7133-840 ^{UL}

NOTE: ^{UL} indicates that the device is certified to UL standards. These devices are not suitable for UL Commercial Burg applications.

SUPPORTED 345 MHz SENSORS



Detector Type	Model
Door/Window Contact	5816WMWH ^{UL RB (NO ULC)}
Door/Window Contact	5815 ^{UL RB}
Motion Detector	5800PIR-COM ^{UL RB}
Motion Detector	5898 ^{UL RB}
Motion Detector	5800PIR ^{UL RB}
Glass Break Detector	5853 ^{UL RB}
Smoke Detector	5806W3 ^{UL RF (NO ULC)}
Smoke Detector	5808W3 ^{UL RF}
CO Detector	5800CO ^{UL RF}
CO Detector	GG-CO8345 (2GIG-CO8-345) ^{UL RF (NO ULC)}

NOTE: Use only UL/ULC listed devices for UL/ULC certified installations.

SUPPORTED 433 MHz (SRF433 DSC) SENSORS



Detector Type	Model
Door/Window Sensor	WS4945NA ^{UL RB}
Motion Detector	WS4904P ^{UL RB}
Motion Detector	WLS914-433 ^{UL RB}
Glass Break Sensor	WLS912L-433 ^{UL RB}
Shock Sensor	EV-DW4927SS ^{UL RB}
Smoke Detector	WS4936 ^{UL RF}
Carbon Monoxide Detector	WS4933 ^{UL RF}
2 Button Key Fob	WS4949 ^{UL RB}
4 Button Key Fob	WS4939 ^{UL RB}
Pendant Button	WS4938 ^{UL RB}
Wireless Repeater	WS4920 ^{UL RF/RB}

NOTE: Use only UL/ULC listed devices for UL/ULC certified installations.

SUPPORTED 433 MHz (SRF433 AT&T Digital Life) SENSORS



Detector Type	Model
Door/Window	SW-ATT-V2 ^{UL}
Recessed Door/Window Contact	SW-ATT-RDW ^{UL}
PIR Motion Detector	SW-ATT-PIR ^{UL}
Glassbreak Detector	SW-ATT-GB ^{UL}
Smoke Detector	SW-ATT-SMKT ^{UL}
Wireless CO Detector	SW-ATT-CO ^{UL}
Keyfobs	SW-ATT-FOB
Repeater/Signal Booster	SW-ATT-RPTR4 ^{UL}
Hardwire Translator	SW-ATT-TAKRF ^{UL}

NOTE: ^{UL} indicates that the device is certified to UL standards. These devices are to be used only for UL residential fire and burg applications and are not suitable to UL Commercial Burg applications. IQ Panel 5, IQ5 Hub, IQ5 NS shall use security RF modem radio card model SRF-433AT&T (Digital Life protocol).

SUPPORTED POWER-G SENSORS - NORTH AMERICA



Detector Type	Model
Door/Window	PG9945 ^{UL RF/CB} , PG9307 ^{UL RB} , PG9309, PG9312 ^{UL CB}
Door/Window - Shock Sensor	PG9935 ^{UL CB}
Dual Tech (PIR+Microwave) Motion Detector	PG9984(P) ^{UL CB}
Glassbreak Detector	PG9922 ^{UL CB}
Heat Detector	PG9936H ^{UL RF}
Keypads	IQ Keypad-PG, IQ Keypad Prox-PG
Keyfobs	PG9929, PG9939, PG9949, PG9938 ^{UL CB}
Outdoor Motion Detector	PG9902, PG9974(P), PG9994(P) ^{UL CB}
PIR Motion Detector	PG9904(P), PG9914, PG9924, PG9862, PG9872 ^{UL CB}
PIR Motion Detectors with Camera	PG9934(P), PG9944 ^{UL CB}
Sirens	PG9901, PG9911 ^{UL RF/RB}
Smoke/Heat Detector (one sound, all sound)	PG9936 ^{UL RF}
Wireless CO Detector	PG9933 ^{UL RF}
Wireless Repeater	PG9920 ^{UL CB}
Vanishing Door/Window Contact	PG9303 ^{UL CB} , PG9975 ^{UL RB}
PowerG Wired to Wireless Converter (Supervisory window must be set to 200 sec when used with Fire and/or CO devices)	PG9HRDW8, PG9WLSHW8 ^{UL RFB CB}

NOTE: Only the PowerG sensors marked with ^{UL CB} in the table above shall be used in UL/ULC Residential and Commercial Burg (UL2610/ULC-S304 Security Level I-II) listed installations. Devices marked with ^{UL RB} in the table above shall be used only in UL/ULC Residential Burg (UL1023/ULC-S304 Security Level I) listed installations. Devices marked with ^{UL RF} in the table above can be used in UL/ULC Residential Fire (UL985/ULC-S545) listed installations.

SUPPORTED ZIGBEE SENSORS



Detector Type	Model
Door/Window	SZ-DWS08 ^{UL}
Combo Smoke/Heat/CO	CMB-937 ^{UL}

NOTE: ^{UL} indicates -Use only UL/ULC listed devices for UL/ULC certified installations (UL/ULC Residential Fire and Burglary applications only. Not evaluated for UL/ULC Commercial Burglary applications.

SUPPORTED 868MHz POWER-G SENSORS - UAE

Detector Type	Model
Repeater	RP-600 ME PG2 ^{UL RF}
Smoke Detector	SMD-429 ME PG2 ^{UL RF}
Heat Detector	SMD-429 HEAT PG2, HTD-432 ME PG2 ^{UL RF}

NOTE: ^{UL} indicates Only the PowerG sensors marked ^{UL RF} in the table above are UL listed and shall be used in UL Residential Fire (UL985) listed installations. These devices shall be used only in conjunction with compatible control panel model IQPanel4 ME that includes Bukhoor mode. Model IQPanel4 ME incorporates the PowerG Modem radio card that operates in the 868MHz band. These products are used for applications in UAE. Model IQPanel4 ME is UL listed under UL985 (UTOW) standard.

SPECIFICATIONS - EUROPE & UNITED KINGDOM



Items	Parameters	IQ Panel 5, IQ5 Hub, IQ5 NS
Platform	Android OS	Android 12
LCD Display IQ Panel 5, IQ5 Hub only	Size	7" (17.8CM) LCD
	Resolution	1280 x 800 pixels (IQ Panel 5), 1024 x 600 (IQ5 Hub)
	Brightness	300 cd/m ²
	RGB Color	24bit, 16.9 million colors
Processor	4 Core	Qualcomm Snapdragon 4 Core SOM (System On a Module) with 32 GB of NAND Flash
Touchscreen	Type	Capacitive glass multi-touch
User Codes*	Up to 242	Role based (Dealer, Installer, Master, User, Guest, Duress). For EN50131 certified installations use only 6 digit codes, up to 999.998 combinations of codes available. Codes disallowed 000000 and 000001
Network	WiFi	Wi-Fi 802.11 a/b/g/n/ac dual band 2.4/5ghz - including built-in router capability
	Cellular	LTE CAT4 (Bands 1, 3, 7, 20, 28A, 28B). For units with 3G WCDMA (Bands 1 and 3).
Z-Wave Plus™ 800	Up to 167 Devices	167 total devices (80 lights, 20 Locks, 40 Thermostats, 21 Misc, 6 Garage Doors)
PowerG	Up to 128 devices	868 MHz, long range, secure encrypted two-way wireless
Security RF		Depending on the model; S-Line encrypted 433MHz (Iceland Only)
Bluetooth	Disarming, Audio Streaming	Qualcomm Bluetooth Low Energy (BLE) 4.2
Flash Memory	Internal Storage	32GB NAND Flash
LED Indicator	Status LED	Green (Disarmed), Red (Armed), full color RGB LED. Note: Not enabled for EN50131 certified systems
Speakers/Siren	IQ Panel 5	2x Front Facing 4watt speakers and 85dB siren. Type Z per EN50131-4: internal, self-powered
	IQ5 Hub, IQ5 NS	1x Front Facing 4 watt speaker and 85dB piezo siren
Camera	Front Camera	IQ Panel 5 only: 13MP wide angle 120° field of view, fixed focus camera, portrait view

*Note: User interface is disabled for 90s after 5 invalid code entries have been made.

SPECIFICATIONS - EUROPE & UNITED KINGDOM

Items	Parameters	IQ Panel 5, IQ5 Hub, IQ5 NS
Microphone	IQ Panel 5	2 MEMs (micro electro mechanical system) microphones with echo cancellation
	IQ5 Hub, IQ5 NS	1 MEMs microphone
Tamper	Tamper Switch	Dual Panel and wall tamper switch with spring release
Battery	Type 18650	Lithium Ion 3.7v/3Ah. Ningbo Veken Battery Co., Ltd, Model VT27 or Icon Energy System Co. Ltd, Model IAN034NA. Low battery threshold: 3.6v and 10% indication for battery capacity
Buttons	Hard Button	Single wake/sleep button used for sleep/wake, hard reboot, and clean screen cancel
Mechanical	Dimension	6.1"H x 7.5"W x 1"D (155mm x 191mm x 26mm)
	Weight	Approximately 1.3 kg
Power Supply	AC/DC External Plug-in Adapter	Output: 12vDC (≡) 1000mA CC, Input 230 VAC -10%/+15%, 0.68A, 50Hz (for CE/EN Certified Systems). Current consumption during set & unset procedure: 70mA; quiescent current: 285 mA; max current in alarm mode: 1070 mA. Control Panel and power supply are suitable for installation only within the protected premises.
Standby Time		24h (Battery recharge time [up to 80% of capacity]: 12 h. Energy level of battery in its charged state is 100 %).
Mount	Back Plate	SmartMount wall mount included. SmartMount table stand sold separately.
Certification	Europe	CE & CertAlarm (EN Grade 2): Denmark: FP; Finland: FFFH; Norway: FG; Sweden: SBSC
	Great Britain	UKCA: Pending. PD 6662 & BS 8243: Pending
Environment		Altitude: Min 0 m to Max 2000m Humidity range: 20% RH to 93% RH (non-condensing) Operating Ambient Temperature: Min -10°C to Max 40°C Storage Ambient Temperature: in -20°C to Max 55°C EN50130-5 Class I - Indoor ordinary location

SUPPORTED POWER-G SENSORS - EUROPE & U.K.



Detector Type	Model
Door/Window	PG8945
Door/Window - Shock Sensor	PG8935
Dual Tech (PIR+Microwave) Motion Detector	PG8984(P)
Glassbreak Detector	PG8922
Heat Detector	PG8936H
Keyfobs	PG8929, PG8938, PG8939, PG8949 Note: AES128 encryption used, Over 1.000.000 combinations of unique identification codes available.
Outdoor Motion Detector	PG8944, PG8974(P), PG8994(P)
PIR Motion Detector	PG8904(P), PG8914, PG8924, PG8934(P)
PIR Motion Detectors with Camera	PG8934(P), PG8944
Sirens	PG8901, PG8911
Smoke Detector	PG8936
Wireless CO Detector	PG8913
Wireless Repeater	PG8920
Vanishing Door/Window Contact	PG8975
PowerG Wired to Wireless Converter	PG8HRDW8, PG8WLSHW8

SUPPORTED 433 MHz SENSORS (ICELAND ONLY - CE COMPLIANT)

Detector Type	Model
Door/Window Sensor	WS4945NA
Motion Detector	WS4904
Motion Detector	WLS914-433
Glass Break Sensor	WLS912L-433
Shock Sensor	EV-DW4927SS
Smoke Detector	WS4936
Carbon Monoxide Detector	WS4933
2 Button Key Fob	WS4949
4 Button Key Fob	WS4939
Pendant Button	WS4938
Wireless Repeater	WS4920

SPECIFICATIONS - LATIN AMERICA (EXCLUDES BRAZIL, COSTA RICA)

Items	Parameters	IQ Panel 5, IQ5 Hub, IQ5 NS
Platform	Android OS	Android 12
LCD Display IQ Panel 5, IQ5 Hub only	Size	7" (17.8CM) LCD
	Resolution	1280 x 800 pixels (IQ Panel 5), 1024 x 600 (IQ5 Hub)
	Brightness	300 cd/m ²
	RGB Color	24bit, 16.9 million colors
Processor	4 Core	Qualcomm Snapdragon 4 Core SOM (System On a Module) with 32 GB of NAND Flash
Touchscreen	Type	Capacitive glass multi-touch
User Codes	Up to 242	Role based (Dealer, Installer, Master, User, Guest, Duress).
Network	WiFi	Wi-Fi 802.11 a/b/g/n/ac dual band 2.4/5ghz - including built-in router capability
	Cellular	LTE CAT4 (Bands 2*, 4* & 7. *not available in Argentina). For units with 3G WCDMA (Bands 2, 4 & 5).
Z-Wave Plus™ 800	Up to 167 Devices	167 total devices (80 lights, 20 Locks, 40 Thermostats, 21 Misc, 6 Garage Doors)
PowerG	Up to 128 devices	915 MHz, long range, secure encrypted two-way wireless
Security RF		Depending on the model; either S-Line encrypted 319.5MHz, 345MHz or 433MHz
Bluetooth	Disarming, Audio Streaming	Qualcomm Bluetooth Low Energy (BLE) 4.2
Flash Memory	Internal Storage	32GB NAND Flash
LED Indicator	Status LED	Green (Disarmed), Red (Armed), full color RGB LED. Note: Not enabled for EN50131 certified systems
Speakers/Siren	IQ Panel 5	2x Front Facing 4watt speakers and 85dB piezo siren
	IQ5 Hub, IQ5 NS	1x Front Facing 4 watt speaker and 85dB piezo siren
Camera	Front Camera	IQ Panel 5 only: 13MP wide angle 120° field of view, fixed focus camera, portrait view

SPECIFICATIONS - LATIN AMERICA (EXCLUDES BRAZIL, COSTA RICA)

Items	Parameters	IQ Panel 5, IQ5 Hub, IQ5 NS
Microphone	IQ Panel 5	2 MEMs (micro electro mechanical system) microphones with echo cancellation
	IQ5 Hub, IQ5 NS	1 MEM's microphone
Tamper	Tamper Switch	Dual Panel and wall tamper switch with spring release
Battery	Type 18650	Lithium Ion 3000mAh. Ningbo Veken Battery Co., Ltd, Model VT27 or Icon Energy System Co. Ltd, Model IANO34NA
Buttons	Hard Button	Single wake/sleep button used for sleep/wake, hard reboot, and clean screen cancel
Mechanical	Dimension	6.1"H x 7.5"W x 1"D (155mm x 191mm x 26mm)
Power Supply	AC/DC External Plug-in Adapter	Output: 12vDC (≡) 1000mA CC, Input 100-240VAC 50/60Hz.
Mount	Back Plate	SmartMount wall mount included. SmartMount table stand sold separately.
Certification	Argentina	Reserved
	Chile	
	Columbia	
	Uruguay	
Temperature	Operational	0 to 49C, up to 93% relative humidity, indoor, dry ordinary locations use only
	Storage	-20 to 50C

SUPPORTED POWER-G SENSORS - LATIN AMERICA



Detector Type	Model
Door/Window	PG9945, PG9307, PG9309, PG9312
Door/Window - Shock Sensor	PG9935
Dual Tech (PIR+Microwave) Motion Detector	PG9984(P)
Glassbreak Detector	PG9922
Heat Detector	PG9936H
Keyfobs	PG9929, PG9939, PG9949, PG9938
Outdoor Motion Detector	PG9902, PG9974(P), PG9994(P)
PIR Motion Detector	PG9904(P), PG9914, PG9924, PG9862, PG9872
PIR Motion Detectors with Camera	PG9934(P), PG9944
Sirens	PG9901, PG9911
Smoke Detector	PG9936
Wireless CO Detector	PG9933
Wireless Repeater	PG9920
Vanishing Door/Window Contact	PG9303, PG9975
PowerG Wired to Wireless Converter	PG9HRDW8, PG9WLSHW8

SPECIFICATIONS - BRAZIL, COSTA RICA

Items	Parameters	IQ Panel 5, IQ5 Hub, IQ5 NS
Platform	Android OS	Android 12
LCD Display IQ Panel 5, IQ5 Hub only	Size	7" (17.8CM) LCD
	Resolution	1280 x 800 pixels (IQ Panel 5), 1024 x 600 (IQ5 Hub)
	Brightness	300 cd/m ²
	RGB Color	24bit, 16.9 million colors
Processor	4 Core	Qualcomm Snapdragon 4 Core SOM (System On a Module) with 32 GB of NAND Flash
Touchscreen	Type	Capacitive glass multi-touch
User Codes	Up to 242	Role based (Dealer, Installer, Master, User, Guest, Duress).
Network	WiFi	Wi-Fi 802.11 a/b/g/n/ac dual band 2.4/5ghz - including built-in router capability
	Cellular	LTE CAT4 (Bands B1*, B3, B5* & B7. *Not available in Brazil). For units with 3G WCDMA (Bands 1 and 3).
Z-Wave Plus™ 800	Up to 167 Devices	167 total devices (80 lights, 20 Locks, 40 Thermostats, 21 Misc, 6 Garage Doors)
PowerG	Up to 128 devices	915 MHz (Costa Rica), 433MHz (Brazil), long range, secure encrypted two-way wireless
Security RF		Depending on the model; either S-Line encrypted 319.5MHz, 345MHz or 433MHz
Bluetooth	Disarming, Audio Streaming	Qualcomm Bluetooth Low Energy (BLE) 4.2
Flash Memory	Internal Storage	32GB NAND Flash
LED Indicator	Status LED	Green (Disarmed), Red (Armed), Triple full color RGB LED. Note: Not enabled for EN50131 certified systems
Speakers/Siren	IQ Panel 5	2x Front Facing 4watt speakers and 85dB piezo siren
	IQ5 Hub, IQ5 NS	1x Front Facing 4 watt speaker and 85dB piezo siren
Camera	Front Camera	IQ Panel 5 only: 13MP wide angle 120° field of view, fixed focus camera, portrait view

SPECIFICATIONS - BRAZIL, COSTA RICA

Items	Parameters	IQ Panel 5, IQ5 Hub, IQ5 NS
Microphone	IQ Panel 5	2 MEMs (micro electro mechanical system) microphones with echo cancellation
	IQ5 Hub, IQ5 NS	1 MEM's microphone
Tamper	Tamper Switch	Dual Panel and wall tamper switch with spring release
Battery	Type 18650	Lithium Ion 3000mAh. Ningbo Veken Battery Co., Ltd, Model VT27 or Icon Energy System Co. Ltd, Model IANO34NA
Buttons	Hard Button	Single wake/sleep button used for sleep/wake, hard reboot, and clean screen cancel
Mechanical	Dimension	6.1"H x 7.5"W x 1"D (155mm x 191mm x 26mm)
Power Supply	AC/DC External Plug-in Adapter	Output: 12vDC (≡) 1000mA CC, Input 100-240VAC 50/60Hz.
Mount	Back Plate	SmartMount wall mount included. SmartMount table stand sold separately.
Certification	Argentina	Reserved
	Chile	
	Columbia	
	Uruguay	
Temperature	Operational	0 to 49C, up to 93% relative humidity, indoor, dry ordinary locations use only
	Storage	-20 to 50C

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