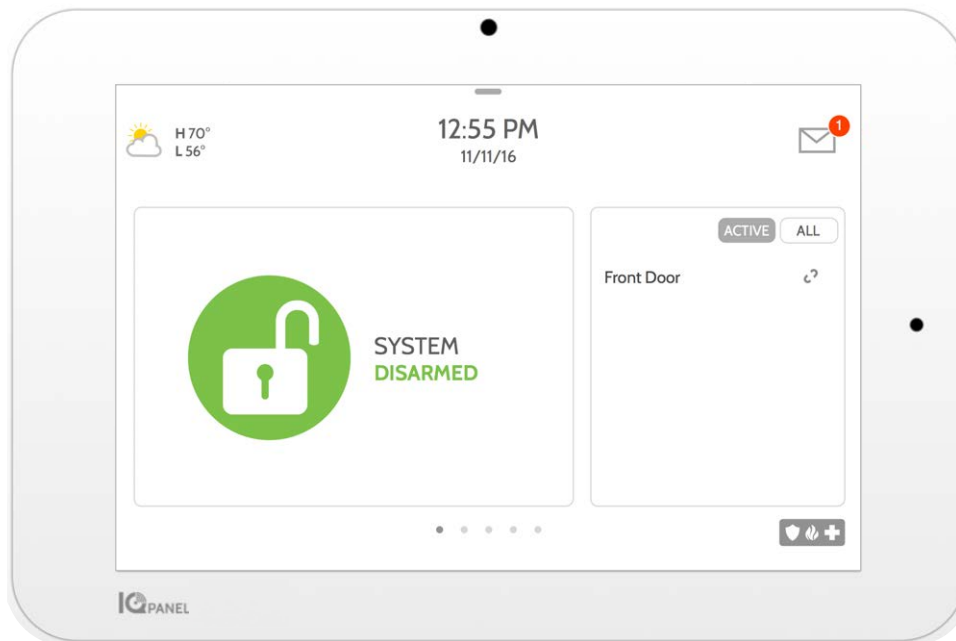


IQ PANEL 2+

INSTALLATION MANUAL

Qolsys IQ Panel 2+
Software Version 2.5.0



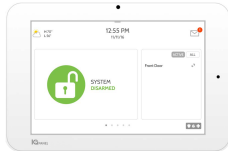
The Qolsys IQ Panel 2+ is a 7" (17.8cm) touchscreen built with an Android operating system, providing full security and smart home functionality in an easy to use interface.

INTRODUCTION



INCLUDED IN BOX

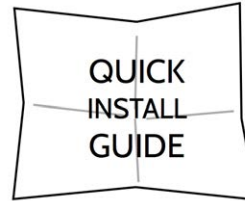
IQ Panel 2+



Power Supply



Table Stand



ABOUT THIS GUIDE

This document outlines the basic hardware specifications and software directions to install and customize the IQ Panel 2+. Note that the information presented is not comprehensive, but is specifically dedicated to those menus, features, and systems accessible solely to those with the proper installation code. Features accessible to users and installers alike are outlined in the IQ Panel 2+ User Guide. The information contained is confidential and proprietary, and is solely owned by Qolsys Inc. Any reproduction, modification or distribution without permission is strictly prohibited.

In this document, reference to “EN Grade 2” refers to EN50131 Grade 2 Certified product.

SUPPORT



QUESTIONS?

Contact us at
techsupport@qolsys.com

TABLE OF CONTENTS



PANEL OVERVIEW

- 5- Exterior Front
- 6- Exterior Back
- 7- Interior

INSTALLING THE PANEL

- 9- Wall Mount Option
- 10- Table Stand Option
- 11- Wiring Diagram
- 12- Powering the Panel

USER INTERFACE

- 14- Home Screen Overview
- 15- Message Center
- 16- Settings Tray

PROGRAMMING

- 18- Screen Lock
- 19- Settings
- 21- Advanced Settings
- 22- Setup Wizard
- 26- Installation
- 28- Installer/Dealer Settings
- 36- System Logs
- 37- Siren and Alarms
- 39- Security and Arming
- 42- Camera Settings
- 44- Z-Wave Device List
- 45- Sound
- 49- Partitions
- 50- Local Automation

SECURITY SENSORS

- 53- Security Sensors

- 54- Auto Learn Sensor
- 55- Add Sensor
- 56- Scan QR Code
- 57- Partition Name
- 58- Sensor Type
- 59- Sensor Groups
- 74- Sensor Name
- 76- Chime Type
- 77- Voice Prompts
- 78- Source
- 79- Edit Sensor
- 80- Delete Sensor
- 81- Sensor Status
- 83- Panel Motion Settings

WI-FI DEVICES

- 85- Wi-Fi Devices
- 87- Access Point Settings
- 88- AP Connected Devices
- 89- IQ Remote Devices
- 90- 3rd Party Connections

Z-WAVE™ DEVICES

- 92- Z-Wave Devices
- 93- Add Device
- 94- Clear Device
- 95- Delete Failed Device
- 96- Remove All Devices
- 97- View/Edit Associations
- 98- Z-Wave Settings
- 100- SmartStart
- 101- Provisioning List

BLUETOOTH DEVICES

- 103- Bluetooth Devices
- 104- Add Device
- 105- Edit Device
- 106- Delete Device
- 107- Remove All Devices
- 108- Settings
- 109- Add Speaker

SYSTEM TESTS

- 111- System Tests
- 113- Wi-Fi Test
- 114- Sensor Test
- 118- Cellular Test
- 119- Image Sensor Config
- 120- Z-Wave Test
- 121- Rediscover Network
- 122- Neighbor Info
- 123- Counters
- 125- Z-Wave Diagnostics
- 126- Advanced Z-Wave Diag
- 127- PowerG Test
- 128- Panel Glass Break Test
- 131- Dual Path Test
- 132- Daughter Cards Test
- 133- Panel Test

CUSTOMIZATION

- 135- User Management
- 136- Dealer Branding
- 137- Contact Info
- 138- Load Custom Logo
- 139- On-Screen Billboard
- 140- Load Help Videos
- 141- Connecting to Wi-Fi

- 142- Weather
- 143- Photo Frame
- 146- Load Images from SD Card

MAINTENANCE

- 148- Upgrade Software
- 149- Upgrade Software Using Wi-Fi
- 150- Software Update Via SD Card
- 151- Automatic Background Check
- 152- Battery Replacement

TROUBLESHOOTING

- 154- About
- 157- Power Down
- 158- Panel Reboot
- 159- Hard Reboot
- 160- Panel Test Troubleshooting
- 162- Cannot Load Help Videos

LEGAL

- 164- Important Information

SPECIFICATIONS

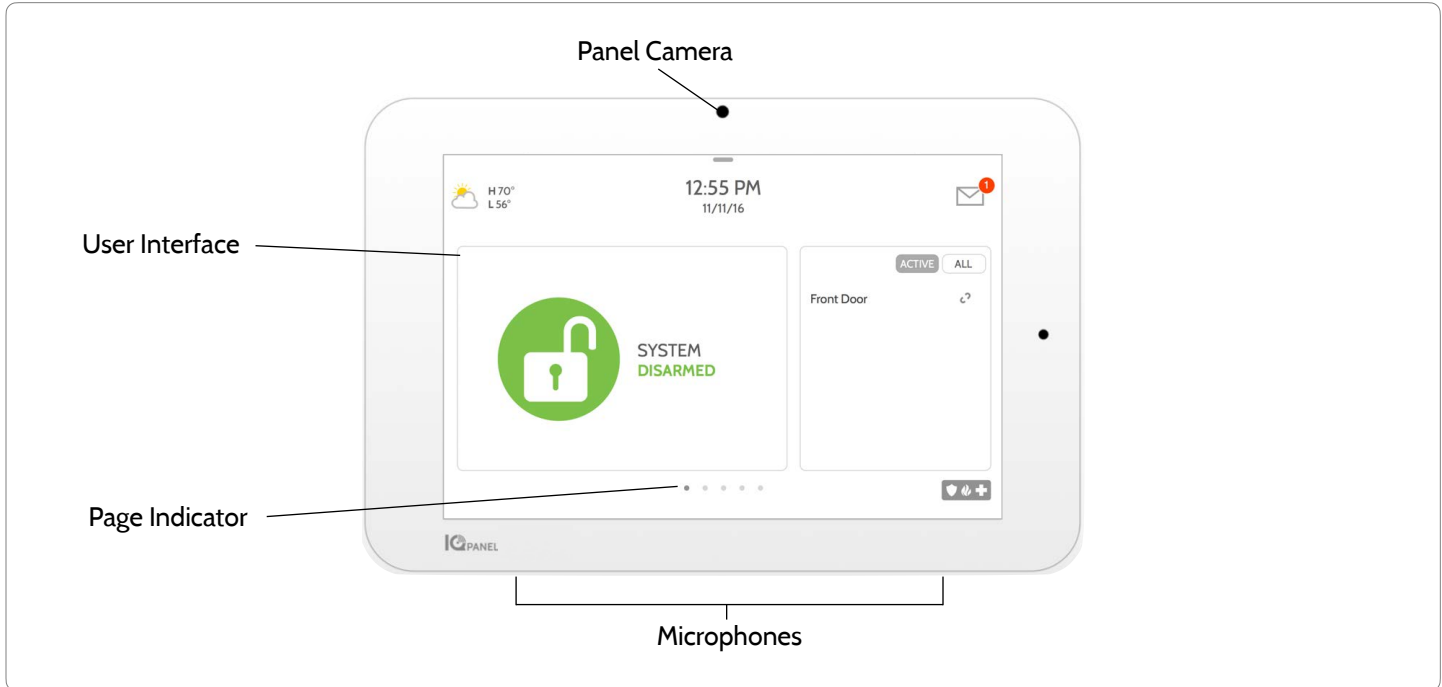
- 170- Specifications
- 172- Supported PowerG Sensors

PANEL OVERVIEW

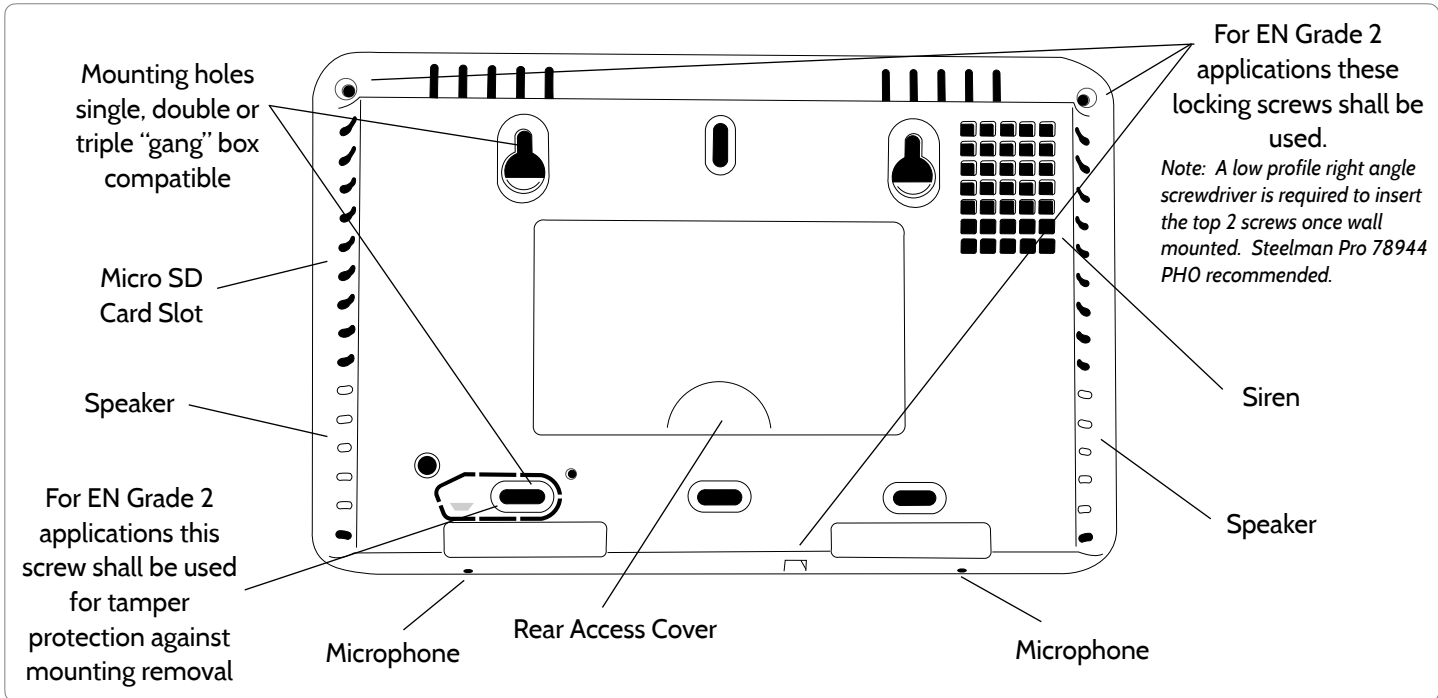
Warning: This Product should be installed in accordance with the National and Local Fire Codes and National and Local Electrical Codes. Printed information describing proper installation, operation, testing, maintenance, evacuation planning, repair service, recycling and disposal is to be provided with this Product.

Warning: For all installations this Product and all sensors associated with it (collectively, the “System”) should be tested once a week. The test shall be performed also with primary DC power de-energized. For all Sensors, Detectors, and other accessories, follow the recommended maintenance instructions for each device.

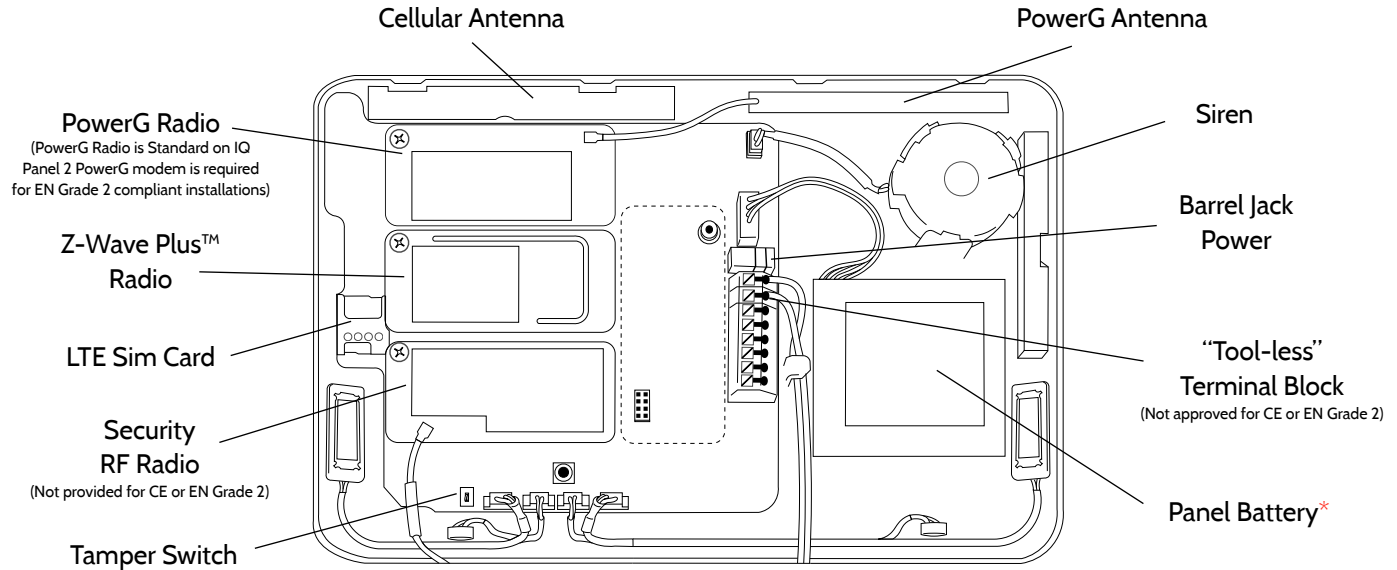
EXTERIOR FRONT



EXTERIOR BACK



INTERIOR



*CAUTION

The battery should NEVER be disconnected without following proper power-down procedures
Failure to comply may result in data corruption, panel failure, and a void of the manufacturer's warranty

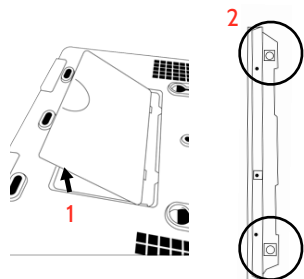
INSTALLING THE PANEL

INSTALLING THE PANEL



WALL MOUNT OPTION

Note: For EN Grade 2 installations use only wall mount option

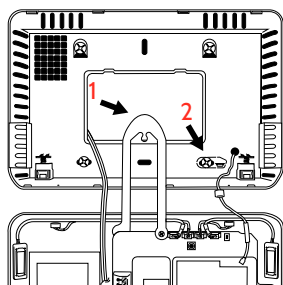


1. Insert your thumb or finger under the opening on the back cover and firmly pull up to remove. This cover is not needed for wall mount.

2. Press tabs on the bottom of the panel and pull apart to remove the back plate.

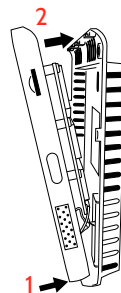
Mount to the wall using appropriate hardware ensuring it is level.

Note: For EN50131 Grade2 compliant installations, the enclosure shall be glued during the initial installation. After mounting the enclosure base on the wall in its intended position, connect the internal battery and insert the SIM card for the cellular communicator. Once all connections are done apply a few drops of the provided glue on each of the four corners of the enclosure base and attach the enclosure cover so that all top and bottom sides latches snap in place and the enclosure is properly closed. Please note that the battery is no longer replaceable. When the battery has reached its end of life, between 3- to 5 years, the panel shall be replaced and recycled in accordance with European Directives. Use a cyanoacrylate glue type similar for example to the INSTA-CURE+ Gap Filling from Bob Smith Industries Inc.



1. Hang the front of the panel with the hanging strap on the back plate as shown above.

2. Screw required in break-away wall tamper for EN Grade 2.



Connect the power supply to the barrel jack.

1. Latch the bottom of the panel into place, ensuring the the power wire is routed into the wall and not pinched.

2. Swing the panel up towards the 4 snap tabs at the top.

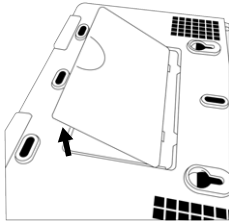


Firmly pinch “diagonally and down” from the top front of the bezel at all 4 snap tab locations to ensure proper closure. You will hear a “pop” or “snap” sound when each tab has closed properly and the gap along the top should be tightly seated.

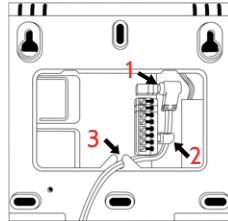
IMPORTANT: Not properly closing the panel could result in damage to the backplate or false panel tamperers.

TABLE STAND OPTION

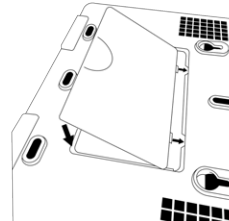
Note: For EN Grade 2, table stand option is not approved



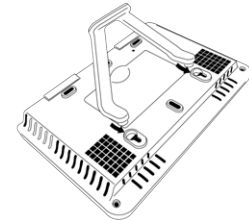
Insert your thumb or finger under the opening on the back cover and firmly pull up to remove.



1. With the included power supply and cable, plug the barrel connector into the jack next to the terminals as shown above.
2. Route the cable under the hook next to the battery.
3. Route the cable through the strain relief opening.



Replace the cover by inserting the top first, then while making sure the cable passes under the opening firmly press down on the bottom until the cover “snaps” into place.



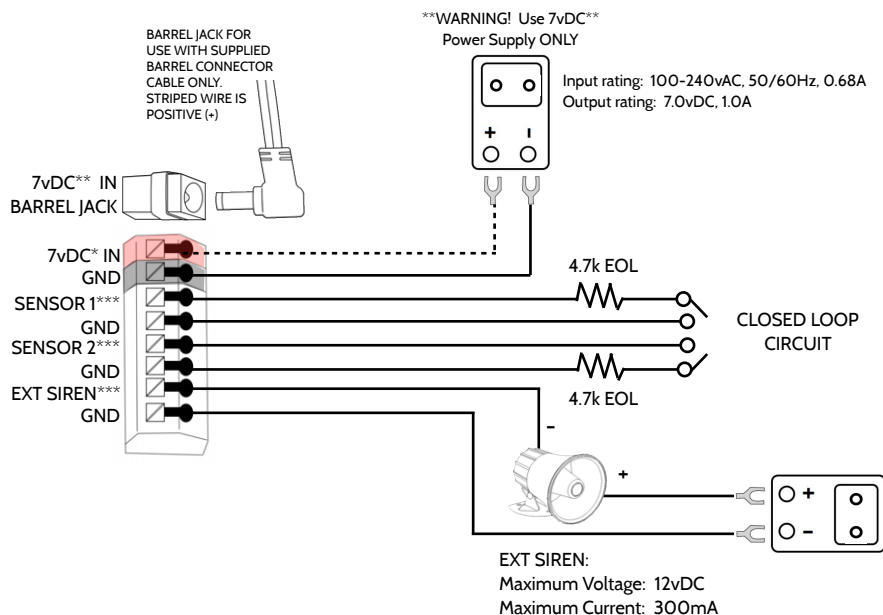
Insert table stand dowels into the 2 upper keyholes.

Slide the stand firmly upwards until you hear a “click” from each side.

INSTALLING THE PANEL



WIRING DIAGRAM



NOTES

IMPORTANT IF USING CUSTOM LENGTH WIRE:

- 7vDC Transformer: Use 18AWG (0.75 mm²) wire no longer than 100ft (~30m) to ensure sufficient power is received at the panel.

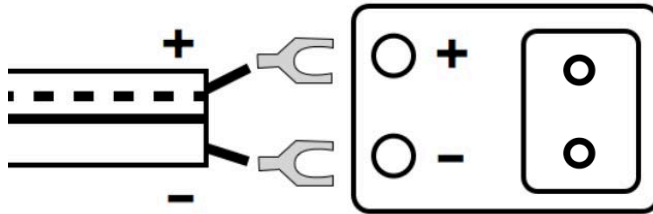
* The minimum permissible wire size shall not be smaller than 0.33mm² or larger than 0.75mm²

** A 7vDC power supply output shall not exceed 15VA (15W) under any condition.

***NOTE: SENSOR 1, 2 & EXT SIREN are not permissible in EN Grade 2 installations.

+++NOTE: External siren for US or Canada only.

POWERING THE PANEL



Connect power supply.

WARNING! Use 7vDC Power Supply ONLY

If using the provided cable, the “striped” wire is (+)

This unit must be powered by a 24-hour, 230vAC, 50Hz circuit that cannot be turned off by a switch, dimmer, or Residual Current Device. Failure to provide this circuit may prevent it from providing constant protection.

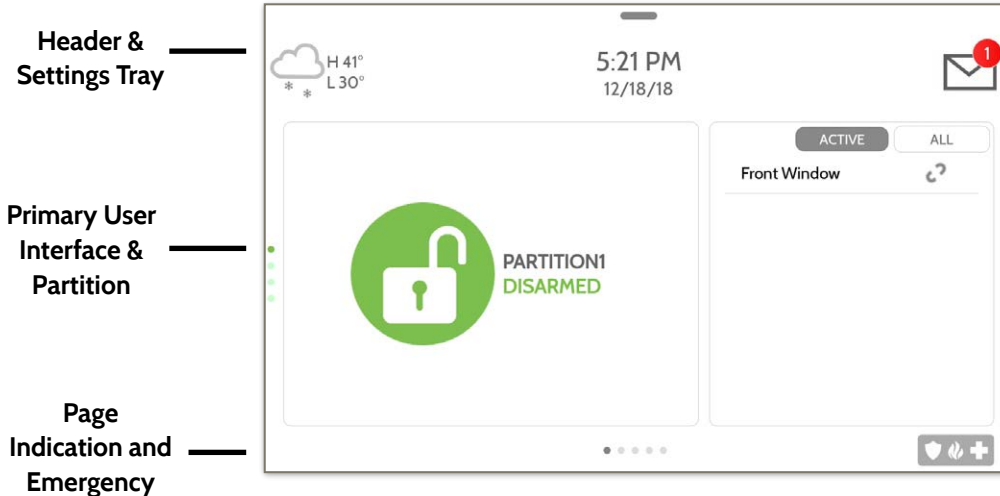


Press and hold the power button on the right side of the panel for 3 seconds to power up.

USER INTERFACE

HOME SCREEN OVERVIEW

The home screen is divided into three sections. The header shows the date & time, today's weather, message center and the Settings tray. The Primary interface shows arming options and sensor status & partition select. The footer shows panic options and additional pages.



MESSAGE CENTER

The header contains the the pull down settings tray, the weather icon, time/date and a message icon in the upper right portion of the screen where you will find Security Provider messages and contact info, alerts, video tutorials and FAQ's



11:18 AM
09/15/16



CONTACT US

This is where you will find the Security Provider's Contact Information

VIDEO TUTORIALS

This is where you will find Video Tutorials to help with common questions

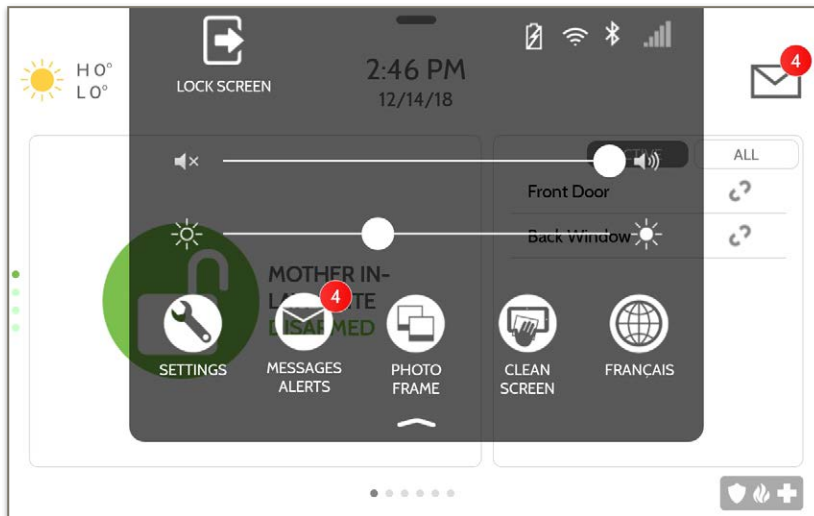
MESSAGES/ALERTS/ALARMS



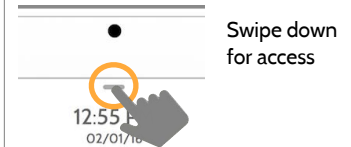
This is where you will find messages from the Security Provider, Panel Alerts and Alarm Notifications.

SETTINGS TRAY

To access the Settings tray swipe down on the bar at the top of the screen. The Settings tray has quick access to system, battery, Wi-Fi & cellular status as well as volume control, brightness, a lock screen icon and other quick settings.



FIND IT



Swipe down
for access



When partitions are **ENABLED**, a Lock Screen icon replaces the Status icon. Touch this icon to switch between partitions.



When partitions are **DISABLED**, a Status icon resides in the upper left corner of the settings tray. Touch this icon to return to the security page.

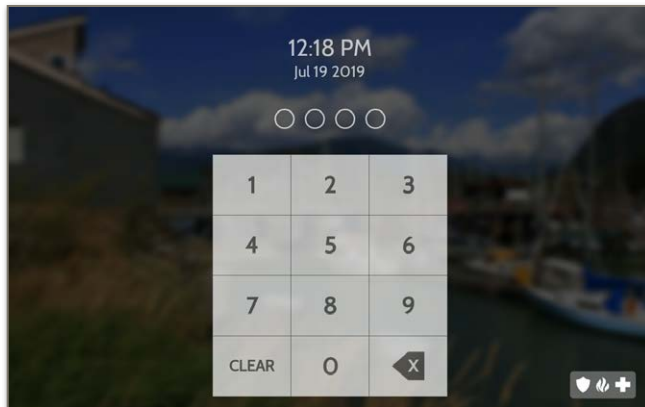
PROGRAMMING

SCREEN LOCK

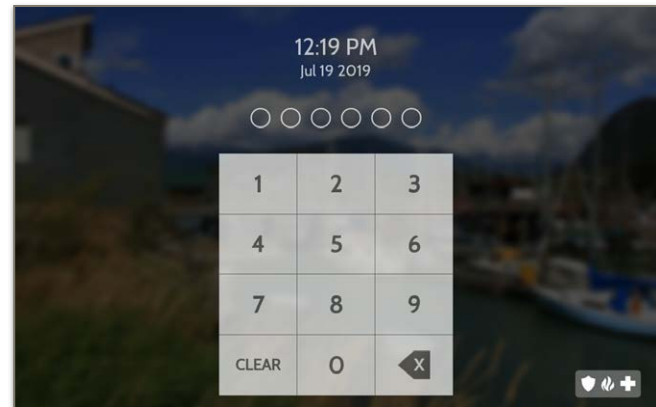
Note: This feature has not been evaluated for EN Grade 2

When the “Screen Lock” or “Partitions” setting are enabled, a lock screen will be presented once the panel has been woken from either a touch on the screen or pressing the wake/sleep button on the side of the panel. This prevents unauthorized access to the panel and/or one partition from accessing another as well as managing permissions to “Advanced Settings”.

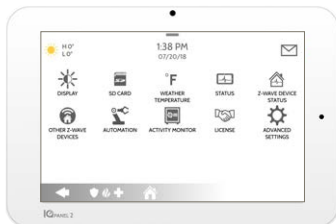
4 DIGIT SCREEN LOCK



6 DIGIT SCREEN LOCK



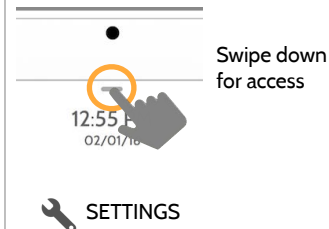
SETTINGS



The Settings page allows quick access to various simple features & settings that do not require the protection of a Dealer, Installer or Master code to be changed.

| Setting | Description |
|-----------------------|--|
| Display | Adjust brightness, font size & 12/24 hour time |
| SD Card | Mount, unmount and manage SD Cards that are installed in a panel |
| Weather Temperature | Toggle between Farenheight and Celcius |
| Status | View the "Current Status" of security sensors: Zone #, Name, Status (Open, Close, Active, Idle, Tamper, Failure), Battery and sensor History. Also view "Alarms" and "History" for security sensors globally |
| Z-Wave™ Device Status | View the "Current Status" of Z-Wave devices: Name, Type, Status (Normal, Failure), and Battery. Also view "Alerts" and "History" for Z-Wave globally |
| Other Z-Wave Devices | Shows Z-Wave devices that are learned into the panel but that are not part of the main user interface (Lights, Locks, Thermostats & Garage Doors) |

FIND IT



SETTINGS

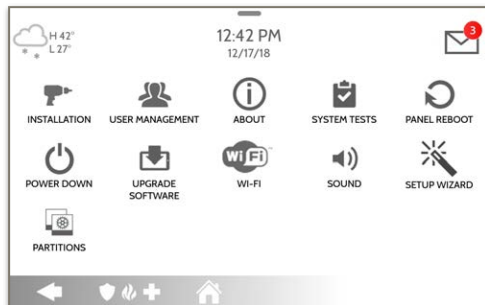
| Setting | Description |
|-------------------|---|
| EU Events | Display events as required for EN Grade 2. NOTE: This icon will only appear when the "En Grade 2" setting is Enabled. |
| Automation | <p>Add, Edit or manage local lighting automation rules. These rules are separate from any cloud based rules that may be set through Alarm.com. Examples of possible rules are as follows:</p> <ul style="list-style-type: none"> - Night: Turns light on at 7pm and off at 6am - Evening: Turns light on at 7pm and off at 11pm - Front Door: Turns light on for 15mins when Front Door opens between 5pm and 7am (must have a sensor with the default quick name "Front Door" added in the panel) - Doorbell: Turns light on between 5pm and 7am for 15 mins when Doorbell is activated (must have a sensor with the default quick name "Doorbell" added in the panel) |
| Activity Monitor | <p>Activity Monitor allows access to disarm sensors that are programmed as 24 hours zones, such as Sensor Groups 8, 9 & 25. A valid Master, User or Guest code is required to control 24 hour activity sensors. 2 options are provided:</p> <ul style="list-style-type: none"> - Quick Access: 300 second temporary access - Deactivate: Disarms 24 hour sensors until they are re-activated manually |
| License | Qolsys End User License Agreement |
| Advanced Settings | Access advanced settings & programming. A valid Dealer (default 2222), Installer (default 1111) or Master Code (default 1234) is required |

ADVANCED SETTINGS



To access the Advanced Settings menu pull down the Settings tray at the top of the screen, select “Settings” and then “Advanced Settings”. Enter your dealer, installer or master code. The code used to enter Advanced Settings determines the level of access. When using partitions the code entered at the screen lock determines the access level for Advanced Settings.

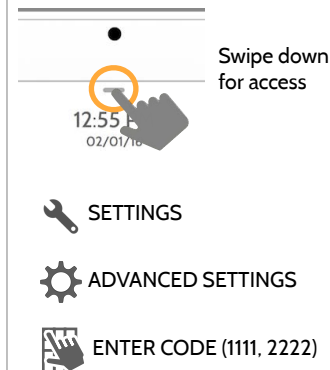
INSTALLER MENU (1111)



DEALER MENU (2222)



FIND IT



* The “Partitions” icon will only appear if Partitions are enabled under Installer/Dealer Settings

SETUP WIZARD



Setup Wizard

The “Easy Install Wizard” is an onscreen, step-by-step programming tool that makes the already fast and intuitive installation process even easier, ensuring every install is consistent and follows best practices.



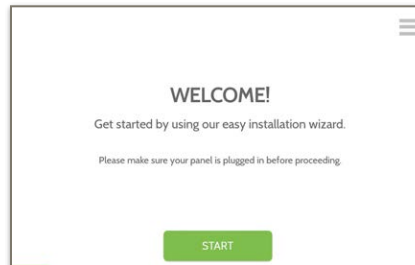
Launch Wizard

Selecting Launch Wizard will initiate the Easy Setup Wizard based on the page configuration chosen.

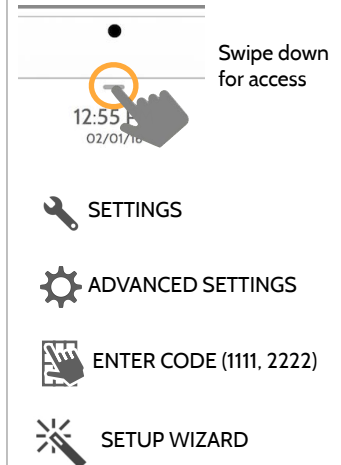


Wizard Settings

Choose which pages you want to be shown during the Wizard walkthrough. Select Advanced or Simple sensor setup.



FIND IT

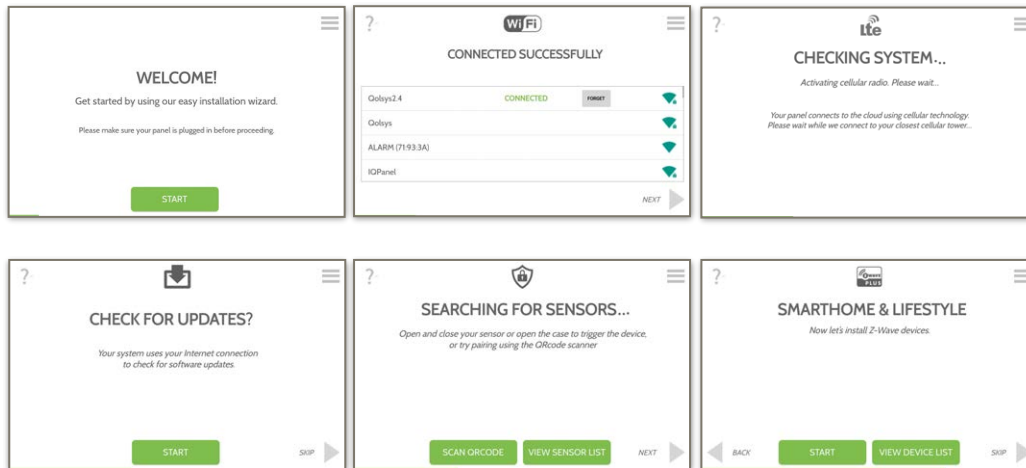


LAUNCH WIZARD

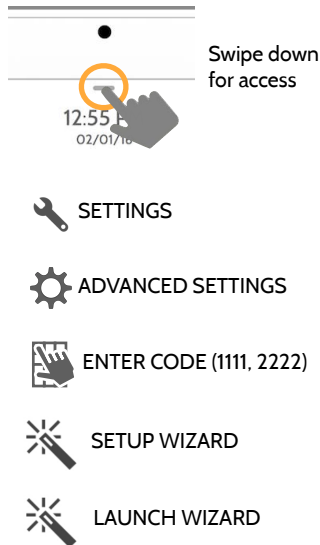


Launch Wizard

Selecting Launch Wizard will initiate the Easy Setup Wizard based on the page configuration chosen in Wizard Settings. Available pages are: Welcome, Network, System Check, Security, Sensor Test, Panel Glass Break, Z-Wave, Bluetooth, IQ Remote, Users, Dealer & Update.



FIND IT



WIZARD SETTINGS

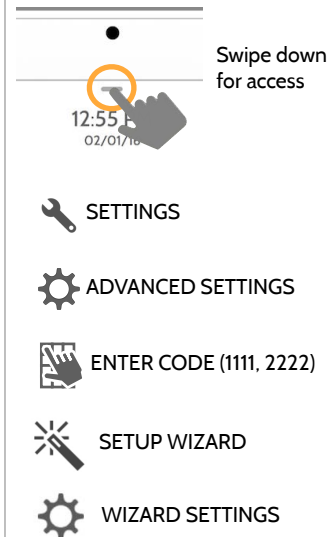


Wizard Settings

Choose which pages you want to be shown during the Wizard walkthrough.
Select Advanced or Simple sensor setup

| Setting | Default | Description |
|------------------------------|----------|---|
| Update | Enabled | Show the option to check for software updates in the Setup Wizard |
| Security | Enabled | Show the option to add and edit security sensors in the Setup Wizard |
| Security Sensor Setup Format | Advanced | Determines whether the Security page of the Setup Wizard shows Advanced Sensor pairing (PRO) or Simple Sensor pairing (DIY) |
| Panel Glass Break | Enabled | Show the option to enable or disable the panel glass break in the Setup Wizard. Not approved for CE/EN Grade 2 |
| Z-Wave | Enabled | Show the option to include and edit Z-Wave devices in the Setup Wizard |
| Bluetooth | Enabled | Show the option to pair Bluetooth devices in the Setup Wizard. Not approved for CE/EN Grade 2 |

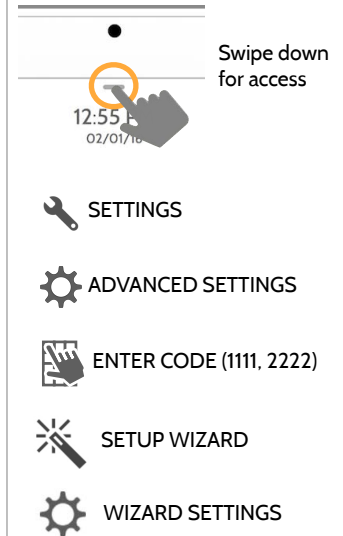
FIND IT



WIZARD SETTINGS

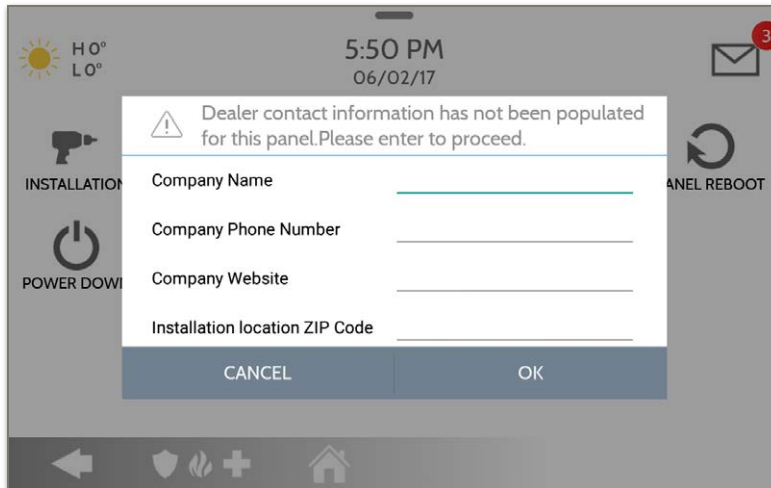
| Setting | Default | Description |
|--------------------|---------|---|
| Users | Enabled | Show the option to add users in the Setup Wizard |
| Dealer | Enabled | Show the option to add and edit Dealer Contact Info in the Setup Wizard |
| IQ Remote | Enabled | Show the option to pair IQ Remotes in the Setup Wizard. |
| Sensor Signal Test | Enabled | Activate the sensor test as part of the Setup Wizard |

FIND IT



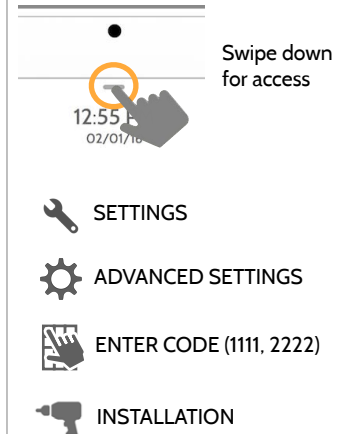
INSTALLATION

If Dealer Contact info is not previously filled out or pushed from Alarm.com, a pop up is generated when accessing the “Installation” icon, requiring that dealer contact information to be entered. This information is used to populate the “Contact Us” tab in the Message Center. **NOTE:** Company Name and Company Phone Number are required and must be filled out to continue with panel programming.

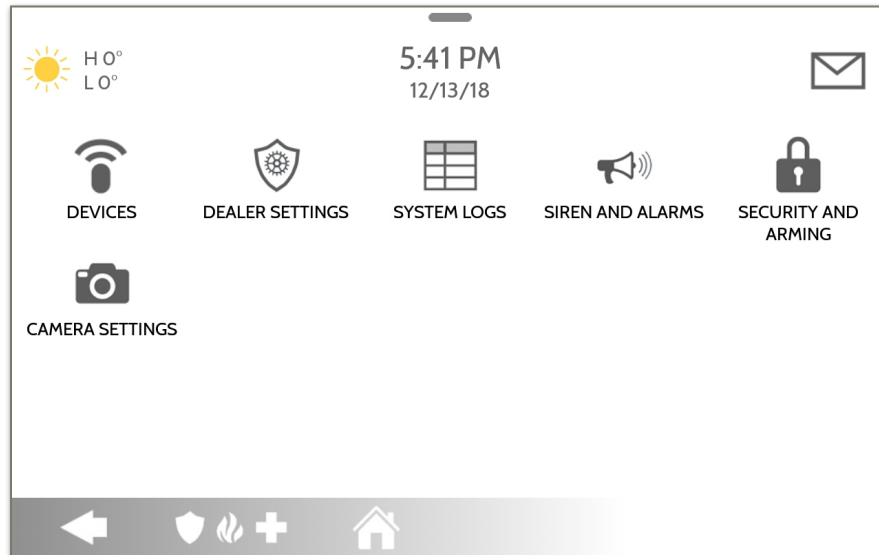


The screenshot shows the Qolsys mobile app interface. At the top, there's a status bar with weather (H 0°, L 0°), time (5:50 PM), and date (06/02/17). Below this, there are icons for INSTALLATION (a drill), POWER DOWN (a power button), and a message center icon with a red '3' badge. A pop-up dialog box is displayed in the center, titled "Dealer contact information has not been populated for this panel. Please enter to proceed." The dialog contains four input fields: "Company Name", "Company Phone Number", "Company Website", and "Installation location ZIP Code". At the bottom of the dialog are "CANCEL" and "OK" buttons. The background app interface shows the "INSTALLATION" icon is selected, and there's a "PANEL REBOOT" button on the right.

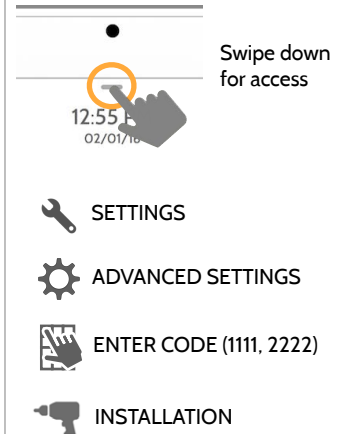
FIND IT



INSTALLATION



FIND IT



INSTALLER/DEALER SETTINGS

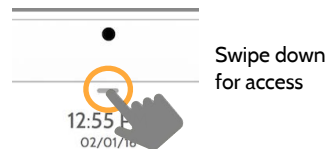


Installer/Dealer Settings

Change panel settings like supervisory times, power and cell loss timeout and SIA settings.

| Setting | Default | Description |
|--|----------|---|
| Account Number | blank | Security provider account number (up to 10 characters) |
| Power Management | Enabled | An energy-saving function when running on battery power only |
| SIA Power Restoration | Disabled | Turn on or off sensor hold for 60 seconds during power restore |
| Loss of Supervisory Signals for Emergency Sensors | 4 | Select the length in hours (4, 12, 24) before reporting a loss of supervision on life safety devices. |
| Loss of Supervisory Signals for PowerG Emergency Sensors | 4 | Select the length of time (20, 30 min, 1, 2, 4, 12, 18 hours) before reporting a loss of supervision on PowerG life safety devices. |
| Loss of Supervisory Signals for Z-Wave | 4 | Select the length in hours (4, 24) before reporting a loss of supervision on Z-Wave Sirens. |

FIND IT



SETTINGS



ADVANCED SETTINGS



ENTER CODE (1111, 2222)



INSTALLATION



INSTALLER/DEALER
SETTINGS

* Additional options available only through the Dealer Code.

INSTALLER/DEALER SETTINGS

| Setting | Default | Description |
|--|---------|---|
| Loss of Supervisory Signals for Non Emergency Sensors | 24 | Select the length in hours (4,12,24) before reporting a loss of supervision on security devices. Not approved for CE/EN Grade 2. |
| Loss of Supervisory Signals for PowerG Non Emergency Sensors | 24 | Select the length of time (20, 30 min, 1, 2, 4, 12, 18 hours) before reporting a loss of supervision on PowerG security devices. For EN Grade 2, the supervision window shall be set for 20 minutes. |
| Loss of Cell Signal Timeout | 30 | Select the length in minutes (10-120) before reporting a loss in cellular signal. |
| Communication Test | Monthly | Choose Never, Daily (required for EN Grade 2), Weekly or Monthly when enabling the communication test. |
| SIA Limits NOTE: for EN Grade 2 set entry delay (45s) and exit (30s) delay. | Enabled | When enabled , the range for entry and exit delays is as follows: -Entry delay: 30-240 seconds, Exit Delay: 45-254 seconds When disabled , the range for entry and exit delays are as follows: -Entry delay: 5 to 240 seconds, Exit delay: 5 to 254 seconds When enabled the range for Dialer Delay is: 15 to 45 seconds When disabled the range for Dialer Delay is: 0 to 254 seconds |

INSTALLER/DEALER SETTINGS

| Setting | Default | Description |
|---------------------------------|----------|---|
| EN Grade 2 | Disabled | <p>This setting is required for EN Grade 2 compliance on the Panel and must be Enabled for EN Grade 2 installations. When Enabled, the following behaviors and/or settings are changed automatically:</p> <ul style="list-style-type: none"> - Entry Procedure (EU) - follows entry procedures and alarm transmission delays specified by EN 50131 - Disables the "Auto Bypass" setting so that the Panel will protest arming when sensor and panel trouble conditions are present (i.e. Open, Tamper, Low Battery, etc) - Trouble condition alerts can not be acknowledged until the condition is resolved - Trouble beeps are expanded to include fault indications required by EN 50131 - "Screen Lock" setting is enabled automatically. Screen will lock 30 seconds after Disarming - A new icon called "EU Events" is added to the "Settings" page which records mandatory history events specified by EN 50131. - "Loss of Supervisory Signals for PowerG Non-Emergency Sensors" is set to 2 hours by default. - "LED Indicator" setting is Disabled automatically. - "Partitions" setting is not available. - "Dealer or Installer Access Requires User Permission" setting is Enabled automatically. |
| EU Event Swinger Shutdown Count | 3 | <p>Determines the number of times a particular event will record to "EU Events" log before shutdown. The count (3-10) will reset after and arm or disarm event. NOTE: This setting is greyed out and not selectable unless EN Grade 2 is Enabled.</p> |

INSTALLER/DEALER SETTINGS

| Setting | Default | Description |
|------------------------------------|-----------------|---|
| Favorite Languages | English/Español | Set the Panel's language toggle to your favorite 2 languages. Choose from English (United States), Français (Canada), Español (Estados Unidos), Italiano (Italia), Nederlands (Nederland), Norsk bokmål (Norge), Svenska (Sverige) and Íslenska (Ísland). |
| Standby Button | Enabled | Turning this setting off completely disables the "Power Button" on the right side of the panel and all of it's functions. To re-enable this setting you must first check the box then follow the on screen prompts to press the "Toggle" switch in the back of the panel |
| LED Indicator | Enabled | Manually Enable/Disable the LED Status Light on the panel. NOTE: This setting will automatically be set to Disabled when EN Grade 2 is Enabled. |
| 6 Digit User Code | Disabled | This is a global setting for all codes used on the panel and changes the input from 4 digits to 6 digits. When enabled, a "00" will be appended to all existing 4 digit codes |
| Commercial Sensor and Device Names | Disabled | Enabling this features changes the sensor name vocabulary from residential naming to commercial naming. |
| Wellness Support | Disabled | When Enabled, Auxiliary Pendants learned into Group 6 behave like a traditional PERS pendant. The system generates a signal to Alarm.com but does not generate a loud local alarm that needs to be disarmed between button presses. NOTE: This feature can not be enabled if Partitions are enabled. |
| Wi-Fi Warning Messages | Enabled | When enabled the panel will display a pop up when entering "Settings" letting the end user know that Wi-Fi has been disconnected. |

INSTALLER/DEALER SETTINGS

| Setting | Default | Description |
|-------------------------|----------|--|
| Partitions | Disabled | Create up to 4 partitions by enabling this feature. NOTE: This setting will automatically be greyed out and unavailable when EN Grade 2 is Enabled. |
| Other Automation (Beta) | Disabled | When Enabled, the Panel can support Zigbee Automation devices as well as Deako Lighting integrations. These devices are added through the “Other Automation” icon that will appear under the “Devices” icon. NOTE: Zigbee integration requires that a Zigbee daughter card be installed in the panel. Not evaluated for CE/EN Grade 2 |
| Security Page | Enabled | Choose whether or not you want the “Security Page” to appear as part of primary user interface on the panel. NOTE: Before the Security Page can be disabled, you must enable the “Wellness Page” or the “Home Control Page.” This feature can not be disabled if Partitions are enabled. |
| Wellness Page | Disabled | Choose whether or not you want the “Wellness Page” to appear as part of primary user interface on the panel. NOTE: This feature can not be enabled if Partitions are enabled. |
| Check-in/Check-Out | Disabled | Choose whether or not you want a “Check-in” and “Check-out” button to appear as part of the Wellness Page UI. This feature allows a nurse to check in/out and have their picture taken by the panel as record of their visit. NOTE: The Wellness Page must be enabled in order for this feature to also be enabled. |
| Home Control Page | Disabled | Choose whether or not you want the “Home Control Page” to appear as part of primary user interface on the panel. NOTE: Before the Home Control Page can be enabled there must be at least two (2) different “types” of automation devices added to the panel (Lights, Locks or Thermostats). This feature can not be enabled if Partitions are enabled. |
| Door Lock Page | Enabled | Choose whether or not you want the “Door Lock Page” to appear as part of primary user interface on the panel anytime a Door Lock is added as a device. |

INSTALLER/DEALER SETTINGS

| Setting | Default | Description |
|--|----------|---|
| Thermostat Page | Enabled | Choose whether or not you want the “Thermostat Page” to appear as part of primary user interface on the panel anytime a Thermostat is added as a device. |
| Scenes Support | Disabled | When enabled, a new icon will appear in the panel UI on left hand footer enabling the use of Scenes that have been created on Alarm.com. NOTE: This feature can not be enabled if Partitions are enabled. |
| Panel IP Camera | Disabled | This setting allows the built-in Panel Camera to act as an IP Camera. When Enabled, the Panel Camera will show up in Alarm.com as a camera that can be added to the account. NOTE: This feature can not be Enabled if Panel Motion Detector is Enabled. |
| Stream Live Video Cameras to IQ Remote | Disabled | This setting allows a user to view cameras from the IQ Remote. When enabled, Cameras that are streaming to the primary panel will also stream to the IQ Remote. |
| PowerG RF Jam Detection | Disabled | When enabled the system can detect when an unusual amount of RF signals are being transmitted in the PowerG spectrum leading to a potential panel malfunction. This event reports to the central station when enabled. Choose from Disabled, UL20/20 or En 30/60. |
| Jam Detection | Disabled | When enabled the system can detect when an unusual amount of RF signals are being transmitted on the frequency of the legacy daughter card installed in the panel (319.5MHz, 345MHz or 433MHz) leading to a potential panel malfunction. This event reports to the central station when enabled. Not evaluated for CE/EN Grade 2. |

INSTALLER/DEALER SETTINGS

| Setting | Default | Description |
|---|----------|--|
| Jam Detection Local Alarm NOTE: Not evaluated for CE/EN Grade 2 | Disabled | When enabled the system will sound a local alarm. "Jam Detection" must be active for this to function properly |
| RF Jam Sensitivity Level NOTE: Not evaluated for CE/EN Grade 2 | Normal | Choose between HIGH and NORMAL sensitivity levels |
| Allow Master Code to Access Security Sensors | Disabled | Allow the Master Code to access to the Security Sensor icon, including Auto Learn Sensor, Add Sensor, Edit Sensor, Delete Sensor, Sensor Status & Sensor Group |
| Open/Close Reports Allowed For Auto Learn | Enabled | Rather than sending a tamper to auto learn a sensor, enabling this will allow an open/close of the sensor to trigger auto learn |
| Panel Glass Break Detector NOTE: Not evaluated for CE/EN Grade 2 | Disabled | Creates an independent zone that leverages the panel's built-in microphones to act as a glass break detector. This will fall into the zone order at the time you enable this feature. NOTE: This feature can not be Enabled if Panel Ambient Noise Detection is Enabled. |
| Panel Motion Detector NOTE: Not evaluated for CE/EN Grade 2 | Disabled | Creates an independent zone that leverages the panel's built-in camera to act as an activity motion detector. This will fall into the zone order at the time you enable this feature. Motion can trip once every 4 minutes. NOTE: The panel motion detector is for activity monitoring and automation only (Group 25) and will not create an alarm condition or act as a security PIR. This feature can not be Enabled if Panel IP Camera is Enabled. |
| Panel Ambient Noise Detector (beta) NOTE: Not evaluated for CE/EN Grade 2 | Disabled | When Enabled, the Panel's built-in microphones can monitor for loud noise detection above a settable dB threshold and generate an alert. Useful for MDU, apartments and short term rentals where noise complaints are a concern. After an alert is generated, a 30 second cool down period is instituted. NOTE: This feature can not be Enabled if Panel Glass Break Detector is Enabled. Not to be relied upon to prevent hear damage, injury or the like. |

INSTALLER/DEALER SETTINGS

| Setting | Default | Description |
|---|--|---|
| Ambient Noise Threshold | 100 dB | Set the threshold at which the Panel Ambient Noise Detector determines there is enough noise to generate an alert. Choose from 80, 90, 100, 110 or 120 dB. NOTE: This setting is greyed out and not selectable unless Panel Ambient Noise Detector is Enabled. |
| Zigbee Network Type NOTE: Not evaluated for CE/EN Grade 2 | Home Automation and Security | Choose which type of Zigbee network you'd like to use. Options are Home Automation and Security or Smart Energy. NOTE: This setting only appears when a Zigbee daughter card is installed in the Panel. |
| Delete All Sensors | Deletes all security sensors and Bluetooth devices programmed in the panel | |
| Delete All Z-Wave Devices | Performs a factory reset on the Z-Wave controller. Does not factory reset previously included devices. | |
| Zigbee Reset | Deletes all Zigbee sensors and resets the Zigbee Network | |
| Master Reset* | Restores panel to factory settings and erases all content | |
| Data Recycle | This feature erases all User data previously stored. (Wi-Fi SSID & Password, User Codes, Panel Camera Images, Custom PhotoFrame Images, Message Center & Panel Event History). | |
| IQ Remote Reset Authentication | Disabled | If Enabled, the IQ Remote will require authentication (Dealer or Installer Code) to master reset it. |

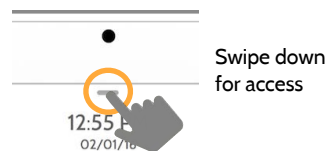
SYSTEM LOGS



System logs allow the panel to send non-customer identifying information to the server for troubleshooting and bug identification.

| Setting | Default | Description |
|---------------------------|-----------------------------|--|
| Upload logs to the server | <i>Requires manual push</i> | Tell the panel to begin uploading a history of it's activity to the server. This information is used to troubleshoot bugs and diagnose panel problems. The panel will upload any logs saved in it's memory |
| Auto Upload Logs | Disabled | Automatically upload the system's log to the servers every 24 hours |
| Log Level | Debug | <p>Tell the panel how much information to record in log files.</p> <p>No log output: No information recorded</p> <p>Fatal: Record fatal or severely problematic information only</p> <p>Error: Record all errors and fatal issues</p> <p>Warn: Record warnings, errors, and fatal issues</p> <p>Info: Record all generic, non-customer related information</p> <p>Debug: Record diagnostic messages, Info, Warnings, Errors, and Fatal issues</p> <p>Verbose: Record all non-customer identifying information</p> |

FIND IT



SETTINGS



ADVANCED SETTINGS



ENTER CODE (1111, 2222)



INSTALLATION



SYSTEM LOGS

SIREN AND ALARMS

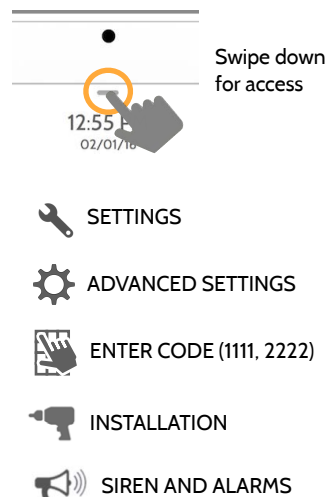


Siren and Alarms

Change siren and alarm settings for certain types of alarm events.

| Setting | Default | Description |
|------------------------------|---------------|---|
| Panel Sirens | All Sirens On | <p>All Sirens Off: This will disable the siren for all alarm types including any paired or hardwired external sirens. After 30 mins the fire siren will be re enabled.</p> <p>All Sirens On: This is the default setting which enables the siren for all alarms</p> <p>Installer/Test Mode: This disables the siren for all alarm types including any paired or hardwired external sirens for 30 mins then all sirens are re-enabled</p> |
| Siren Annunciation | Disabled | Panel siren pauses periodically to announce which locations have triggered the alarm. |
| Fire Verification | Disabled | When enabled, panel requires two fire events from smoke detector (one detector twice or two detectors once each) |
| Severe Weather Siren Warning | Enabled | When enabled, siren will sound when the panel receives a severe weather alert. When disabled, panel will use severe weather chime |

FIND IT



SIREN AND ALARMS

| Setting | Default | Description |
|--|------------------|---|
| Dialer Delay | :30 | Amount of time (in seconds) before panel will attempt call to central station after an alarm event is triggered When SIA Limits enabled: :15 to :45 seconds When SIA Limits disabled: :0 to :254 seconds NOTE: Shall not be used for EN Grade 2 |
| Siren Timeout | 4 min | Determine how long before siren stops sounding during an alarm event (4 minutes to 15 minutes). NOTE: For EN Grade 2 the minimum bell time out shall be 90s & maximum bell time out shall not exceed local regulations. |
| Water/Freeze Siren | Disabled | When enabled, siren will sound when a water or freeze detector is triggered. When disabled, the panel emits a “water” tone |
| PowerG Smoke Detector Siren | Fire Alarms Only | When set to “Fire Alarms Only”, PowerG Smoke Detectors that are learned into the system will only sound during fire alarm events. When set to “All Alarms”, PowerG Smoke Detectors will act as additional wireless sirens and will sound during all alarm events. |
| Police Panic | Enabled | Allows Police Panic to be enabled or disabled |
| Fire Panic | Enabled | Allows Fire Panic to be enabled or disabled |
| Auxiliary Panic | Enabled | Allows Auxiliary Panic to be enabled or disabled |
| Allow Master Code To Access Siren and Alarms | Disabled | Allow the master code to access these features and settings. |

SECURITY AND ARMING

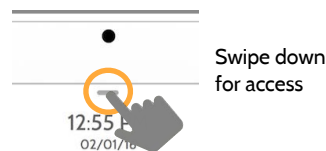


Security and Arming

Change arming settings, entry and exit delays, enable Duress Authentication and more.

| Setting | Default | Description |
|------------------------|----------|--|
| Dealer Code* | 2222 | Code to access all options |
| Installer Code | 1111 | Code to access installer options only |
| Swinger Shutdown | Enabled | Determines whether the panel allows the same sensor to trip the alarm more than once (enabled), or not (disabled) |
| Swinger Shutdown Count | 1 | Determines the number of times the same sensor is allowed to trip the alarm during the same arming period (1-6). Swinger Shutdown must be enabled in order for this setting to work. NOTE: for EN Grade 2 it shall be set to 3. |
| Panel Tamper | Enabled | This setting enables or disables the Panel Tamper switch on the back of the panel. NOTE: for EN Grade 2 this setting shall be Enabled. |
| Screen Lock | Disabled | When enabled, a screen lock page will appear. Screen lock restricts access to the panel based on valid user codes. NOTE: This setting is required and is automatically enabled when Partitions are enabled. It must be Enabled for EN Grade 2 |

FIND IT



SETTINGS



ADVANCED SETTINGS



ENTER CODE (1111, 2222)



INSTALLATION



SECURITY AND ARMING

* Additional options available only through the Dealer Code.

SECURITY AND ARMING

| Setting | Default | Description |
|--------------------------------|----------|--|
| Secure Arming | Disabled | Require user code for arming the panel. NOTE: this option shall be enabled for EN Grade 2. |
| Refuse Arming When Battery Low | Disabled | Will not allow panel to arm if battery is low (below 8%). NOTE: this option shall be enabled for EN Grade 2. |
| Auto Bypass | Enabled | Toggle whether or not to bypass open or tampered sensors automatically. NOTE: This setting is turned off and greyed out when the "EN Grade 2" setting is enabled. |
| Auto Stay | Enabled | If panel is armed "Away" but a delay door is not opened, the panel assumes you are still home and changes arming to "Stay" mode |
| Arm Stay - No Delay | Enabled | Arm stay immediately with no countdown timer |
| Auto Exit Time Extension | Enabled | Automatically extend countdown timer if delay door is opened during countdown process a second time |
| Keyfob Instant Arming | Enabled | When enabled, turns off exit delay if keyfob is used to arm the system |
| Keyfob Alarm Disarm | Disabled | When enabled this will Allow a keyfob to disarm alarm events, except panics originating from the same key fob |
| Keyfob Disarming | Enabled | When Disabled, a Keyfob will not be able to disarm the panel |

SECURITY AND ARMING

| Setting | Default | Description |
|---|----------|--|
| Allow Master Code to Access Security and Arming | Disabled | Allow the master code to access these features and settings. |
| Normal Entry Delay | 30 Secs | How much time users have to enter their code after opening a door (30-240secs). With SIA limits disabled the minimum time can be set to 5 secs. NOTE: For EN Grade 2 the maximum entry delay should not exceed 45s |
| Normal Exit Delay | 60 Secs | How much time users have to exit the location before the panel arms itself (30-254secs). With SIA limits disabled the minimum time can be set to 5 secs. Door/Window group 10 follows the "Normal Exit Delay" NOTE: For EN Grade 2 the maximum exit delay should not exceed 30s |
| Long Entry Delay | 100 Secs | A second separate entry delay that can be used on a sensor needing more time when tripped (45-240secs). With SIA limits disabled the minimum time can be set to 5 secs. NOTE: Not for use with EN Grade 2. |
| Long Exit Delay | 120 Secs | A second separate exit delay that can be used on a sensor needing more time when tripped (45-254secs). With SIA limits disabled the minimum time can be set to 5 secs. Door/Window group 12 follows the "Long Exit Delay". NOTE: Not for use with EN Grade 2. |

CAMERA SETTINGS

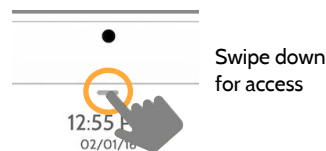


Camera Settings

Enable/Disable Disarm photos and Alarm photos. Secure images requiring a code to either view or delete.

| Setting | Default | Description |
|----------------------|---------|--|
| Secure Delete Images | Enabled | When enabled, a code is required to delete disarm and image sensor photos |
| Panel Camera | Enabled | When disabled, all Panel Camera related functions are turned off, including: Disarm Photos, Alarm Photos, Alarm Videos and Settings Photos. Additionally the Panel Camera Page is also removed |
| Disarm Photos | Enabled | When enabled, the built-in camera will take a single photograph when a user disarms the panel. When disabled, the panel will not capture images upon disarm |
| Alarm Photos | Enabled | When enabled, the built-in camera will take a single photograph during an alarm event |
| Alarm Videos | Enabled | When an alarm is triggered the panel will record a video clip for 4 mins from it's built in 5mp panel camera |

FIND IT



SETTINGS



ADVANCED SETTINGS



ENTER CODE (1111, 2222)



INSTALLATION



CAMERA SETTINGS

Note: Supplementary feature not evaluated as part of EN Grade 2

CAMERA SETTINGS

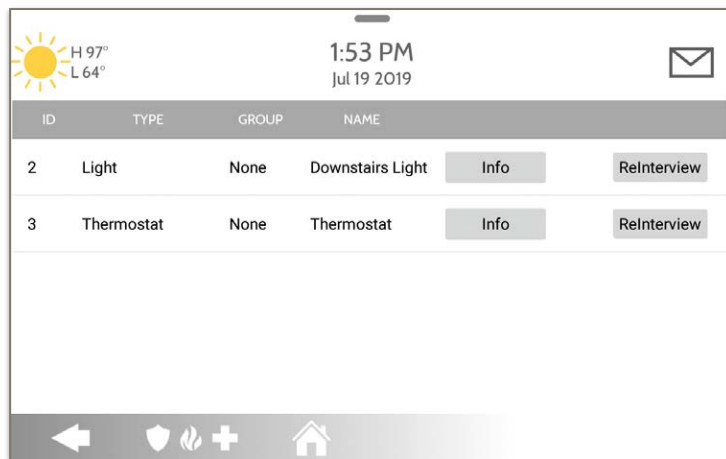
| Setting | Default | Description |
|--|----------|---|
| Settings Photos | Disabled | Whenever Advanced Settings are accessed the panel will take and store a photo |
| Allow Master Code to Access Image Settings | Disabled | Allow the master code to access these features and settings |

Z-WAVE DEVICE LIST*



Z-Wave Device List

Shows device specific information for programmed Z-Wave devices.



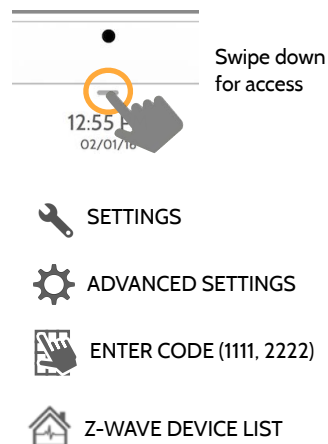
| ID | TYPE | GROUP | NAME | | |
|----|------------|-------|------------------|------|-------------|
| 2 | Light | None | Downstairs Light | Info | ReInterview |
| 3 | Thermostat | None | Thermostat | Info | ReInterview |

Pressing “Info” displays:

- Product Info
- Protocol Info
- Application Info
- Supported Command Classes

Pressing “Re-Interview” will resend all initial pairing commands to that device.

FIND IT



*This page only available through the Dealer Code. Not evaluated for use with EN Grade 2 applications.

SOUND

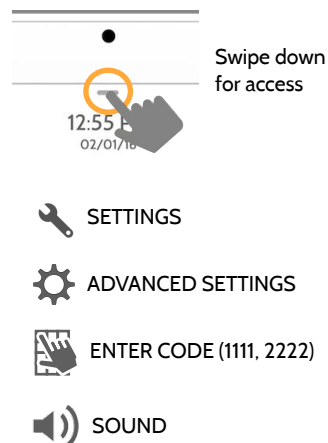


Sound

Customize panel sounds. Enable/Disable voices, chimes, trouble beeps and more.

| Setting | Default | Description |
|-----------------------|---------|--|
| Volume | n/a | Controls the panel's voice volume, beeps and chime volume and the media volume (help videos) through individual sliders |
| Edit Chimes | n/a | Allows you to select from various chimes for each individual device |
| Voice Settings | | |
| Voices | Enabled | This is a global setting for Sensors, Panel messages, Activity Monitoring Sensors, and Z-Wave device voices and indicates whether the panel should "speak" |
| Sensors | Enabled | Turns Sensor voices on (enabled) or off (disabled) |
| Panel | Enabled | Turns Panel voices on (enabled) or off (disabled) |
| Activity Monitoring | Enabled | Turns Activity Monitoring voices on (enabled) or off (disabled) |

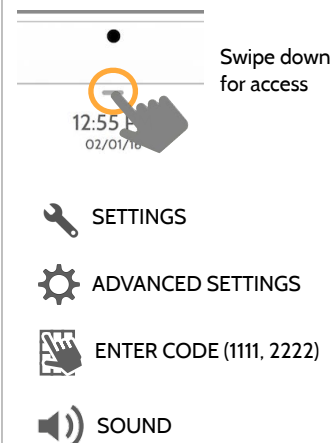
FIND IT



SOUND

| Setting | Default | Description |
|------------------------------------|---------|--|
| Z-Wave Device Voice Prompts | Enabled | Turns Z-Wave Device voices on (enabled) or off (disabled) |
| Remote Z-Wave Device Voice Prompts | Enabled | Turns voices on (enabled) or off (disabled) for Z-Wave devices being controlled remotely (via Alarm.com) |
| Chime Settings | | |
| All Chimes | Enabled | This is a global setting for Sensors, Panel messages and Activity Monitoring Sensors chimes and indicates whether the panel should emit tones or “beeps” |
| Sensor Chimes | Enabled | Turns chimes on (enabled) or off (disabled) for Sensors |
| Panel | Enabled | Turns Panel chimes on (enabled) or off (disabled) |
| Activity Sensor | Enabled | Turns Activity Sensor chimes on (enabled) or off (disabled) |

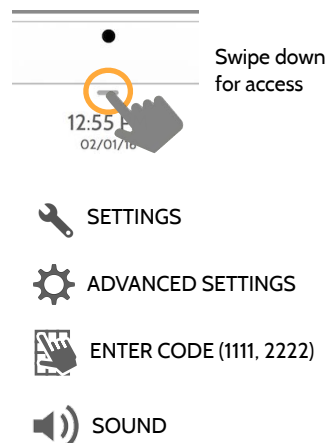
FIND IT



SOUND

| Setting | Default | Description |
|----------------------------------|----------|---|
| Trouble Beeps | | |
| Trouble Beeps** | Disabled | Toggles all sensor and panel trouble beeps on or off. By default all trouble beeps are disabled |
| Sensor Low Battery** | Disabled | Panel sounds when a sensor battery is low. Chime type and frequency are set below. By default these sounds are disabled |
| Sensor Tamper Beeps** | Disabled | Panel sounds when a sensor is tampered. Chime type and frequency are set below. By default these sounds are disabled |
| Panel Tamper Beeps** | Disabled | Panel sounds when tampered or opened. Chime type and frequency are set below. By default these sounds are disabled |
| Edit Trouble Beep Chimes | n/a | Select the chime type for Sensor Low Battery, Sensor Tamper, and Panel Tamper |
| Trouble Beeps Timeout*** | 30 | Determines the amount of time between each trouble beep. Length can be set between 3-60 mins. (default is 30 mins) |
| Fire Safety Device Trouble Beeps | Disabled | Panel will sound a trouble alert if a fire safety device is tampered, failed or has a low battery (disabled by default) |

FIND IT



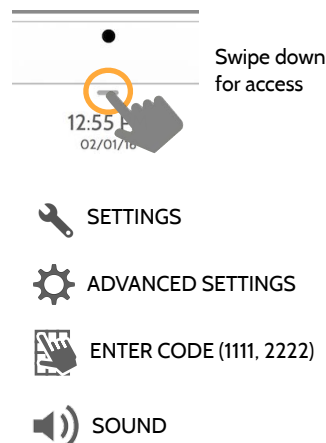
**Setting shall set to Enabled for EN Grade 2 applications.

***Setting shall be set to 3 minutes for EN Grade 2 applications.

SOUND

| Setting | Default | Description |
|------------------------------------|----------|--|
| Partition Sounds* | | |
| Global Fire Siren | Enabled | When Partitions are enabled this setting determines whether Fire alarms sound in all partitions (enabled) or in only the partition they are assigned to (disabled) |
| Global Intrusion Sounds and Sirens | Disabled | Intrusion alarms and entry/exit sounds will sound in all partitions |
| Global Auxiliary Sirens | Disabled | Auxiliary alarm will sound in all partitions |
| Global Chimes and Voices | Disabled | Chimes and voices will play in all partitions |
| All Sounds in Partition 1 | Disabled | Sounds and alarms from all other partitions will sound in partition 1 |
| Other Sounds | | |
| Touch Sounds | Enabled | This setting determines whether a touch sound is played when touching the screen (enabled) or not (disabled) |
| Exit Beeps | Enabled | Play exit beeps for the Quick Exit and Quick Access feature on the panel (enabled) or not (disabled) |

FIND IT



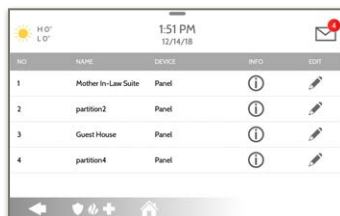
* Additional settings available only when Partitions are enabled.

PARTITIONS*



Partitions

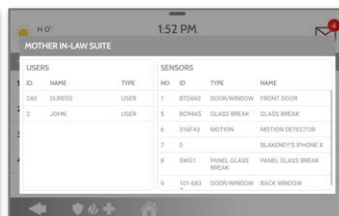
Edit the default name of a partition and view a list of users and sensors that are currently assigned to a given partition. Partitions 1, 2, 3 & 4 only appear when Partitions are enabled and when at least one sensor is learned into them.



| NO | NAME | DEVICE | INFO | EDIT |
|----|---------------------|--------|------|------|
| 1 | Mother In-Law Suite | Panel | ⓘ | ✎ |
| 2 | partition2 | Panel | ⓘ | ✎ |
| 3 | Guest House | Panel | ⓘ | ✎ |
| 4 | partition4 | Panel | ⓘ | ✎ |

Overview:

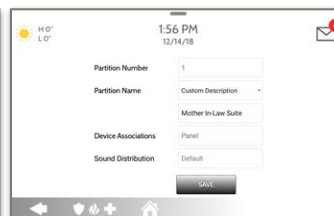
View the number of partitions set up on a system. There must be at least one sensor assigned to a partition before it can be viewed/edited



| USERS | | | SENSORS | | |
|-------|------|------|---------|--------|--------------------|
| ID | NAME | TYPE | NO | ID | NAME |
| 1 | JOHN | USER | 1 | 8728AD | DOOR/WINDOW |
| 2 | JOHN | USER | 5 | BC9AAS | GLASS BREAK |
| | | | 6 | 316F43 | MOTION |
| | | | 7 | 0 | BLANKENY'S PHONE X |
| | | | 8 | 5W01 | PANEL GLASS BREAK |
| | | | 9 | 1014B1 | DOOR/WINDOW |

Info:

View Users and Sensors associated with each partition



Partition Number: 1

Partition Name: Custom Description

Device Associations: Panel

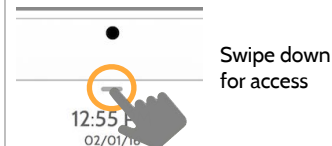
Sound Distribution: Default

SAVE

Edit:

Rename a partition that suits its location or area being protected

FIND IT



SETTINGS



ADVANCED SETTINGS



ENTER CODE (1111, 2222)



PARTITIONS

* The "Partitions" icon will only appear if Partitions are enabled under Installer/Dealer Settings

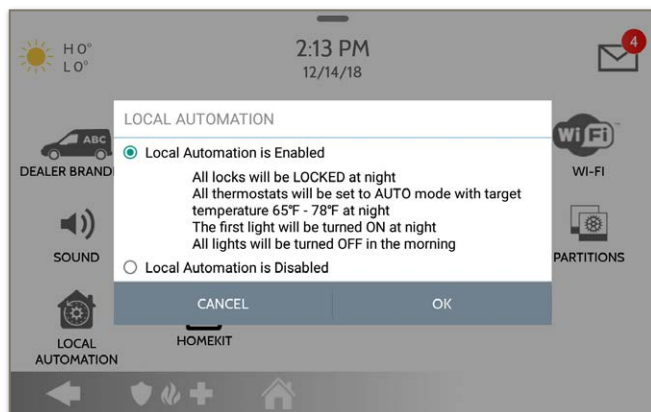
* Feature not evaluated as part of EN Grade 2

LOCAL AUTOMATION*



Local Automation

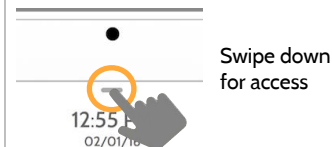
This hardcoded scene is designed for Panels installed in new construction properties that do not yet have an Alarm.com account activated, but that need to manage Z-Wave devices locally in a “vacant home mode”.



Runs Daily:

- Automatically LOCK all locks at night (8pm)
- Set all thermostats to AUTO mode with a target temperature of 18.3°C - 25°F
- Turn Light 1 ON at night (8pm) and then turn all lights OFF in the morning (6am)

FIND IT



SETTINGS



ADVANCED SETTINGS



ENTER CODE (1111, 2222)

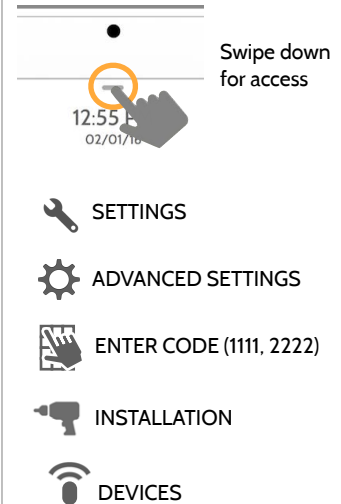
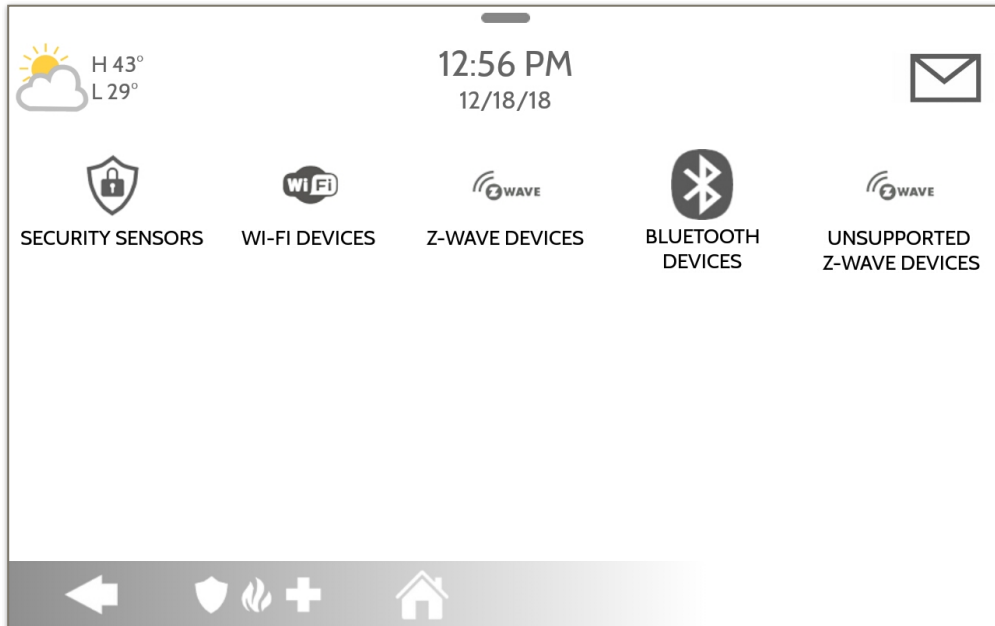


LOCAL AUTOMATION

*This page only available through the Dealer Code.

DEVICES

FIND IT



*Unsupported Z-Wave Devices icon only available through the Dealer Code.

SECURITY SENSORS

SECURITY SENSORS



Security Sensors

Add, edit or delete up to 128 security PowerG or life safety devices.



Auto Learn Sensor

Pair sensors quickly by tripping or tampering and then editing the information



Add Sensor

Pair sensors manually by typing in a DL code or Serial number



Edit Sensor

Make changes to existing sensors



Delete Sensor

Remove a sensor



Sensor Status

Monitor sensor status in realtime



Sensor Group

Quick reference to all sensor groups and their actions



Panel Motion Settings

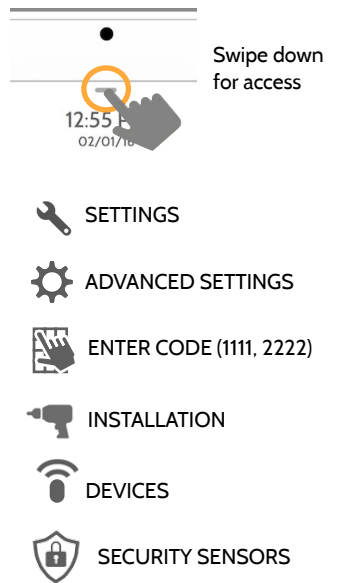
Adjust Panel Motion sensitivity and masking areas



Remove All PowerG Sensors


Delete all PowerG sensors from the Panel

FIND IT




AUTO LEARN SENSOR





AUTO LEARN SENSOR

Sensor FB88AO is requesting to be added to your list. Do you want to continue?





NO
YES


H 101°
L 64°

11:25 AM
Jul 23 2019


| | | | |
|----------------|----------------------------|---------------|------------|
| Sensor DL ID | FB88AO | Sensor Name | Front Door |
| Partition Name | partition1 | Chime Type | High Wire |
| Sensor Type | Door/Window | Voice Prompts | On |
| Sensor Group | 10-Entry-Exit-Normal Delay | Source | SecurityRF |

ADD NEW
SCAN QR CODE

1. Select “Auto Learn Sensor”

2. Open/Close or Tamper a sensor to enroll. For PowerG contacts, hold the “enroll” button until the yellow LED flashes.

3. Panel will chime and display the sensor’s DL code. Select OK to confirm

4. Configure **Partition Name**, **Sensor Type**, **Sensor Group**, **Sensor Name**, **Chime Type** and **Voice Prompts** with the smart filtering drop down lists.

5. Select “Add New” to complete and move to the next sensor.

ADD SENSOR



| | |
|----------------|---|
| Sensor DL ID | <input type="text" value="Enter Sensor DL ID"/> |
| Partition Name | <input type="text" value="partition1"/> |
| Sensor Type | <input type="text" value="Door/Window"/> |
| Sensor Group | <input type="text" value="10-Entry-Exit-Normal Delay"/> |
| Sensor Name | <input type="text" value="Front Door"/> |
| Chime Type | <input type="text" value="High Wire"/> |
| Voice Prompts | <input type="text" value="On"/> |
| Source | <input type="text" value="SecurityRF-319"/> |

ADD NEW

SCAN QR CODE

1. Select “**Add Sensor**” (NOTE: These same fields can be edited later from the “Edit Sensor” app)
2. Select the appropriate **Source** based on the frequency of device being manually learned in
3. Tap the field marked “**Sensor DL ID**” to open the keyboard. Enter the DL code or Sensor ID on the back of the device and touch “Done”
4. Use the drop down menu to select which **Partition** you would like the sensor to be added to (if enabled)
5. Choose **Sensor Type** from list
6. Indicate **Sensor Group** from list
7. Choose **Sensor Name** from the list or create a “Custom Name” using the built in keyboard with Custom Text to Speech.
8. Choose **Chime Type** from list
9. Indicate whether you want **Voice Prompts** on or off
10. Click “**Add New**” to save the information and complete the process.

SCAN QR CODE



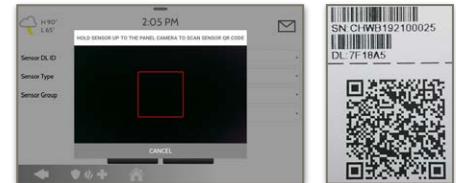
| | |
|----------------|---|
| Sensor DL ID | <input type="text" value="Enter Sensor DL ID"/> |
| Partition Name | <input type="text" value="partition1"/> |
| Sensor Type | <input type="text" value="Door/Window"/> |
| Sensor Group | <input type="text" value="10-Entry-Exit-Normal Delay"/> |
| Sensor Name | <input type="text" value="Front Door"/> |
| Chime Type | <input type="text" value="High Wire"/> |
| Voice Prompts | <input type="text" value="On"/> |
| Source | <input type="text" value="SecurityRF-319"/> |

ADD NEW

SCAN QR CODE

1. Select “**Add Sensor**”

2. Tap the button marked “**Scan QR Code**” to open the camera. Hold the QR code label on the sensor box up to the camera to automatically scan the Sensor DL ID



3. Use the drop down menu to select which **Partition** you would like the sensor to be added to (if enabled)

4. Choose **Sensor Type** from list

5. Indicate **Sensor Group** from list

6. Choose **Sensor Name** from the list or create a “Custom Name” using the built in keyboard with Custom Text to Speech.

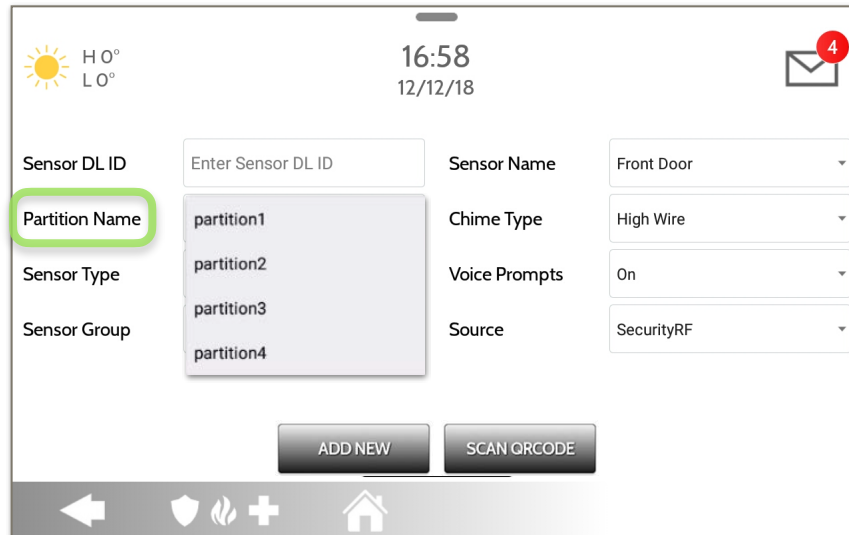
7. Choose **Chime Type** from list

8. Indicate whether you want **Voice Prompts** on or off

9. Click “**Add New**” to save the information and complete the process.

PARTITION NAME

When Partitions are enabled (see Dealer/Installer Settings) you may then assign a sensor to a specific partition. This will allow independent control and arming of that partition without disrupting the main panel's master partition. You may create and use up to 4 partitions. Feature not evaluated as part of EN Grade 2.



The screenshot displays the Golsys security system's configuration interface. At the top, there is a status bar showing a sun icon, temperature (H 0°, L 0°), the time 16:58, the date 12/12/18, and a notification icon with a red circle containing the number 4. Below the status bar, the interface is divided into two columns of settings. The left column includes 'Sensor DL ID' with a text input field 'Enter Sensor DL ID', 'Partition Name' (highlighted with a green box), 'Sensor Type', and 'Sensor Group'. The right column includes 'Sensor Name' with a dropdown menu showing 'Front Door', 'Chime Type' with a dropdown menu showing 'High Wire', 'Voice Prompts' with a dropdown menu showing 'On', and 'Source' with a dropdown menu showing 'SecurityRF'. Below these settings, there are two buttons: 'ADD NEW' and 'SCAN QR CODE'. At the bottom of the screen, there is a navigation bar with icons for back, shield, fire, plus, and home.

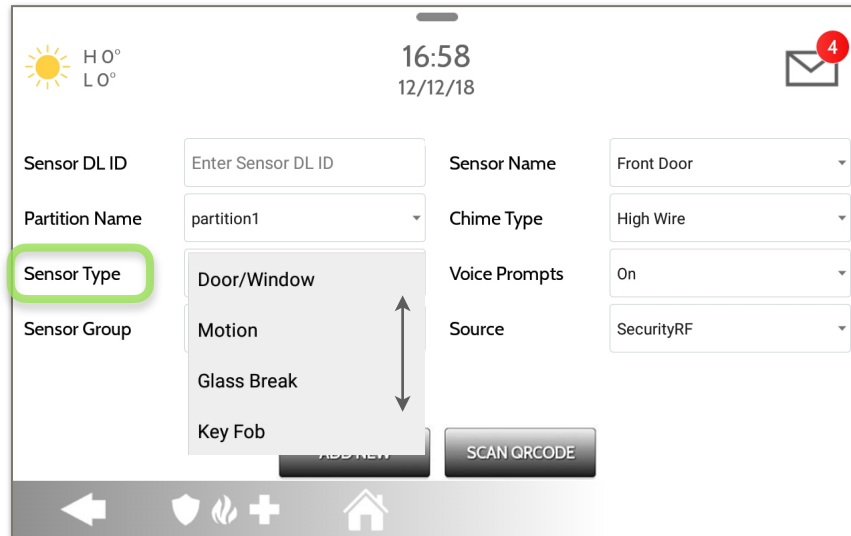
| | | | |
|----------------|--|---------------|------------|
| Sensor DL ID | Enter Sensor DL ID | Sensor Name | Front Door |
| Partition Name | partition1 partition2 partition3 partition4 | Chime Type | High Wire |
| Sensor Type | | Voice Prompts | On |
| Sensor Group | | Source | SecurityRF |

ADD NEW SCAN QR CODE

SENSOR TYPE

When adding or editing security devices you can choose from the following sensor types:

Door/Window
 Motion
 Glass Break
 Key Fob
 Keypad
 Auxiliary Pendant
 Smoke Detector
 CO Detector
 Hardwire Translator
 Wireless Translator
 Temperature
 Heat
 Water
 Shock Sensor
 Freeze
 Tilt
 Image Sensor
 Door Bell
 Smoke-M
 Door/Window-M
 Occupancy Sensor
 Siren
 High Temperature



H 0°
 L 0°

16:58
12/12/18

4

Sensor DL ID: Enter Sensor DL ID

Sensor Name: Front Door

Partition Name: partition1

Chime Type: High Wire

Sensor Type: Door/Window, Motion, Glass Break, Key Fob

Voice Prompts: On

Sensor Group: Motion

Source: SecurityRF

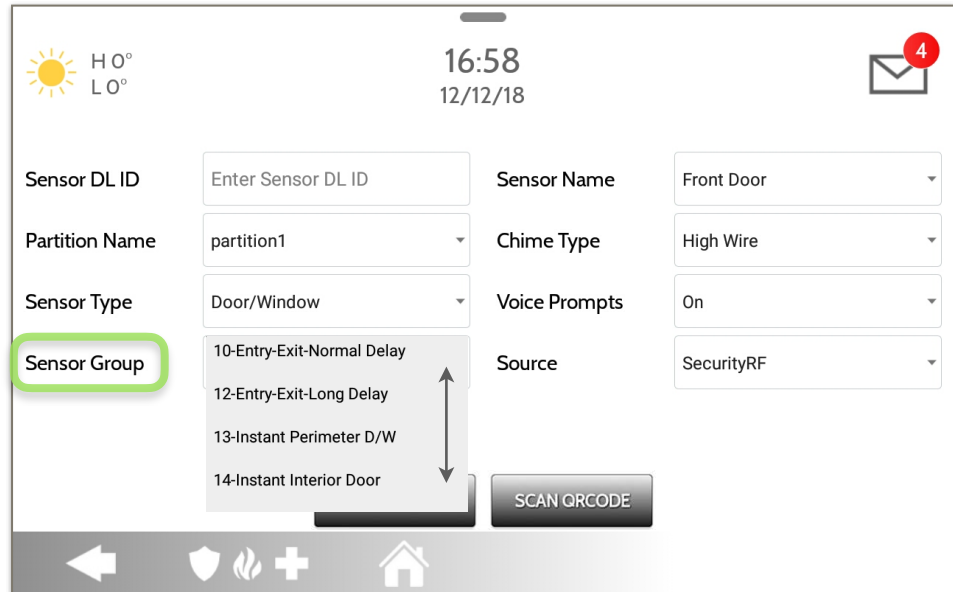
SCAN QR CODE

SENSOR GROUP

Sensor groups will change the behavior of the sensor. These are tied directly to your Sensor Type, displaying only what's relevant.

Touch the “Sensor Group” drop down to change.

A full list of Sensor Groups and descriptions can be found under “Sensor Groups” listed in the manual below.



SENSOR GROUPS

IQ Panel 2+ supports PowerG.

DOOR/WINDOW

| GROUP | NAME | SUPERVISED | SCENARIO |
|-------|------------------------------|------------|---|
| 10 | Entry-Exit- Normal Delay | Y | Gives a period of time to exit the home or to disarm the panel when returning before sounding the alarm |
| 12 | Entry-Exit- Long Delay | Y | Gives a period of time to exit the home or to disarm the panel when returning before sounding the alarm. This can be a separate delay from the "normal delay" |
| 13 | Instant Perimeter D/W | Y | Door or window that triggers an alarm instantly when system is armed |
| 14 | Instant Interior Door | Y | An interior sensor that triggers an alarm instantly while armed to both stay and away. Does not trip if an entry/exit sensor is tripped first |
| 16 | Away Instant- Follower Delay | Y | Interior door that triggers alarm instantly when system is armed to away mode only |

DOOR/WINDOW

| GROUP | NAME | SUPERVISED | SCENARIO |
|-------|---------------------------------|------------|---|
| 25 | Local Safety Sensor | Y | This sensor does not report or trigger an alarm. This is a chime only sensor when "Activity Monitoring" is active, regardless of panel status. Used for medicine cabinets, chemical storage etc |
| 8 | Reporting Safety Sensor | Y | This sensor reports to the central station and triggers an alarm when "Activity Monitoring" is active, regardless of panel status |
| 9 | Delayed Reporting Safety Sensor | Y | This sensor reports to the central station and triggers an alarm when "Activity Monitoring" is active, regardless of panel status. This sensor has an entry delay |

* Power G Door/Window contact 8945 adds an additional drop down menu to determine the contact type, Reed Switch or Wired.

MOTION/IMAGE SENSOR

| GROUP | NAME | SUPERVISED | SCENARIO |
|-------|----------------------|------------|---|
| 17 | Away- Instant Motion | Y | Active only when armed to “Away”, and trips instantly when motion is detected. Does not trip if an entry/exit sensor is tripped first |
| 15 | Stay- Instant Motion | Y | Active in both “Stay” & “Away” modes, and trips instantly when motion is detected. Does not trip if an entry/exit sensor is tripped first |
| 35 | Stay- Delay Motion | Y | Active in both “Stay” & “Away” modes. Triggers an entry delay when motion is detected. Does not trip if an entry/exit sensor is tripped first |
| 20 | Away- Delay Motion | Y | Active when armed to “Away”. Triggers an entry delay when motion is detected. Does not trip if an entry/exit sensor is tripped first |
| 25 | Safety Motion | Y | This sensor does not report or trigger an alarm. This is a chime only sensor when “Activity Monitoring” is active, regardless of panel status. Used for medicine cabinets, storage, activity tracking, etc |

*Power G Motion Detectors with Prefix 120, 122, 130, 140 and 142 offer additional functions such as High Traffic Shutdown and Sensitivity Level. Motions with prefix 123, 126, 127, 128 and 129 offer High Traffic Shutdown only as an additional function.

GLASS BREAK

| GROUP | NAME | SUPERVISED | SCENARIO |
|-------|------------------------|------------|---------------------------------------|
| 13 | Glass Break | Y | Active in both “Stay” and “Away” mode |
| 17 | Glass Break -Away Only | Y | Active in “Away” mode only |

KEY FOB

| GROUP | NAME | SUPERVISED | SCENARIO |
|-------|------------------|------------|--|
| 1 | Mobile Intrusion | N | Worn or carried , the button(s) is/are programmed to trigger a police panic |
| 6 | Mobile Auxiliary | N | Worn as a wrist watch or pendant, the button(s) is/are programmed to trigger an Auxiliary panic. NOTE: Medical functionality has not been evaluated by CE/EN Grade 2. |
| 4 | Fixed Auxiliary | Y | Installed in a fixed location such as night stand, the button(s) is/are programmed to trigger an Auxiliary panic. NOTE: Medical functionality has not been evaluated by CE/EN Grade 2. |

KEYPAD

| GROUP | NAME | SUPERVISED | SCENARIO |
|-------|------------------|------------|--|
| 0 | Fixed Intrusion | Y | Installed in a fixed location such as under a desk, the button(s) is/are programmed to trigger a police panic . NOTE: Hold-up functionality has not been evaluated by CE/EN Grade 2. |
| 1 | Mobile Intrusion | N | Keypad can be mobile and is programmed to trigger a police panic |
| 2 | Fixed Silent | Y | Installed in a fixed location such as under a desk, the button(s) is/are programmed to trigger a silent police panic |

AUXILIARY PENDANT

| GROUP | NAME | SUPERVISED | SCENARIO |
|-------|--------------------------|------------|--|
| 6 | Mobile Auxiliary | N | Worn as a wrist watch or pendant, the button(s) is/are programmed to trigger an Auxiliary panic |
| 1 | Mobile Intrusion | N | Worn or carried, the button(s) is/are programmed to trigger a police panic |
| 0 | Fixed Intrusion | Y | Installed in a fixed location such as under a desk, the button(s) is/are programmed to trigger a police panic |
| 2 | Fixed Silent | Y | Installed in a fixed location such as under a desk, the button(s) is/are programmed to trigger a silent police panic |
| 4 | Fixed Auxiliary | Y | Installed in a fixed location such as night stand, the button(s) is/are programmed to trigger an auxiliary panic |
| 25 | Safety Auxiliary Pendant | N | Used for local alerts like a nurse call button. Will not report an alarm to the Central Station |

SMOKE DETECTOR/HEAT

| GROUP | NAME | SUPERVISED | SCENARIO |
|-------|------------|------------|--|
| 26 | Smoke-Heat | Y | Triggers an alarm when sensor detects smoke/rapid rise in heat |

SMOKE-M

| GROUP | NAME | SUPERVISED | SCENARIO |
|-------|------------|------------|--|
| 26 | Smoke-Heat | Y | Triggers an alarm when sensor detects smoke or a rapid rise of heat. |

CO DETECTOR

| GROUP | NAME | SUPERVISED | SCENARIO |
|-------|------|------------|---|
| 34 | CO | Y | Triggers an alarm when sensor detects Carbon Monoxide |

HARDWIRE TRANSLATOR & WIRELESS TRANSLATOR

| GROUP | NAME | SUPERVISED | SCENARIO |
|-------|----------|------------|--|
| 13 | Takeover | Y | Triggers an alarm when sensor is tampered in “Stay” or “Away” mode |

TILT

| GROUP | NAME | SUPERVISED | SCENARIO |
|-------|--------------------------|------------|--|
| 10 | Entry-Exit- Normal Delay | Y | Triggers alarm after “normal delay” expires. Arms with both “Stay” and “Away” |
| 12 | Entry-Exit- Long Delay | Y | Triggers alarm after “long delay” expires. Arms with both “Stay” and “Away” |
| 25 | Garage Tilt- Safety Tilt | Y | This sensor group does not report or trigger an alarm. This is a chime only sensor when “Activity Monitoring” is active, regardless of panel status. Great for detached garage/shops. NOTE: Functionality in conjunction with garage door openers has not been evaluated by CE/EN Grade 2. |

WATER

| GROUP | NAME | SUPERVISED | SCENARIO |
|-------|---------------------|------------|--|
| 38 | Water Sensor | Y | Triggers an alarm when sensor detects presence of water. NOTE: Flood sensor functionality has not been evaluated by CE/EN Grade 2. |
| 25 | Water Non-Reporting | Y | Used for local alerts. Will not report an alarm to the Central Station |

SHOCK SENSOR

| GROUP | NAME | SUPERVISED | SCENARIO |
|-------|-----------------------|------------|---|
| 13 | Shock-Glass-Break | Y | Arms and trips shock sensors immediately when armed to both "Stay" and "Away" |
| 17 | Glass-Break-Away Only | Y | Arms and trips shock sensors immediately when armed only to "Away" |

Please note: Power G Shock Sensor with prefix 170 offers additional sensitivity level functions

FREEZE

| GROUP | NAME | SUPERVISED | SCENARIO |
|-------|----------------------|------------|---|
| 52 | Freeze | Y | Triggers an alarm when sensor detects low temperatures. NOTE: Temperature sensor functionality has not been evaluated by CE/EN Grade 2. |
| 25 | Freeze Non-Reporting | Y | Used for local alerts. Will not report an alarm to the Central Station |

Please note: When using the PG8905 with Group 52, Freeze, the Low threshold setting is set to 4°C by default. The Low threshold can be customized between -40°C and 85°C.

HIGH TEMPERATURE

| GROUP | NAME | SUPERVISED | SCENARIO |
|-------|--------------------|------------|--|
| 53 | Temp Reporting | Y | Triggers an alarm when sensor detects high temperatures. NOTE: Temperature sensor functionality has not been evaluated by CE/EN Grade 2. |
| 25 | Temp Non-Reporting | Y | Used for local alerts. Will not report an alarm to the Central Station |

Please note: When using the PG8905 with Group 53, the High threshold setting is set to 38°C by default. The High threshold can be customized between -40°C and 85°C.

DOOR BELL

| GROUP | NAME | SUPERVISED | SCENARIO |
|-------|---------------------|------------|---|
| 25 | Local Safety Sensor | Y | This sensor does not report or trigger an alarm. This is a chime only sensor when "Activity Monitoring" is active, regardless of panel status. Great to automate lights, cameras and notifications etc |

SIREN

| GROUP | NAME | SUPERVISED | SCENARIO |
|-------|---------------------|------------|--|
| 33 | Siren | Y | Used for supervising Z-Wave sirens for wireless connectivity. Reports to the central station. |
| 25 | Local Safety Sensor | Y | Used for supervising Z-Wave sirens for wireless connectivity. Local supervision only. Does NOT report to the central station. |

DOOR/WINDOW-M (For use only with Multi-function Door/Window Sensors)

| GROUP | NAME | SUPERVISED | SCENARIO |
|-------|------------------------------|------------|---|
| 10 | Entry-Exit- Normal Delay | Y | Gives a period of time to exit the home or to disarm the panel when returning before sounding the alarm |
| 12 | Entry-Exit- Long Delay | Y | Gives a period of time to exit the home or to disarm the panel when returning before sounding the alarm. This can be a separate delay from the "normal delay" |
| 13 | Instant Perimeter D/W | Y | Door or window that triggers alarm instantly when system is armed |
| 14 | Instant Interior Door | Y | An interior sensor that triggers an alarm instantly while armed to both stay and away. Does not trip if an entry/exit sensor is tripped first |
| 16 | Away Instant- Follower Delay | Y | Interior door that triggers alarm instantly when system is armed to away mode only |

DOOR/WINDOW-M (For use only with Multi-function Door/Window Sensors)

| GROUP | NAME | SUPERVISED | SCENARIO |
|-------|---------------------------------|------------|---|
| 25 | Local Safety Sensor | Y | This sensor does not report or trigger an alarm. This is a chime only sensor when "Activity Monitoring" is active, regardless of panel status. Used for medicine cabinets, chemical storage etc |
| 8 | Reporting Safety Sensor | Y | This sensor reports to the central station and triggers an alarm when "Activity Monitoring" is active, regardless of panel status |
| 9 | Delayed Reporting Safety Sensor | Y | This sensor reports to the central station and triggers an alarm when "Activity Monitoring" is active, regardless of panel status. This sensor has an entry delay |

OCCUPANCY SENSOR

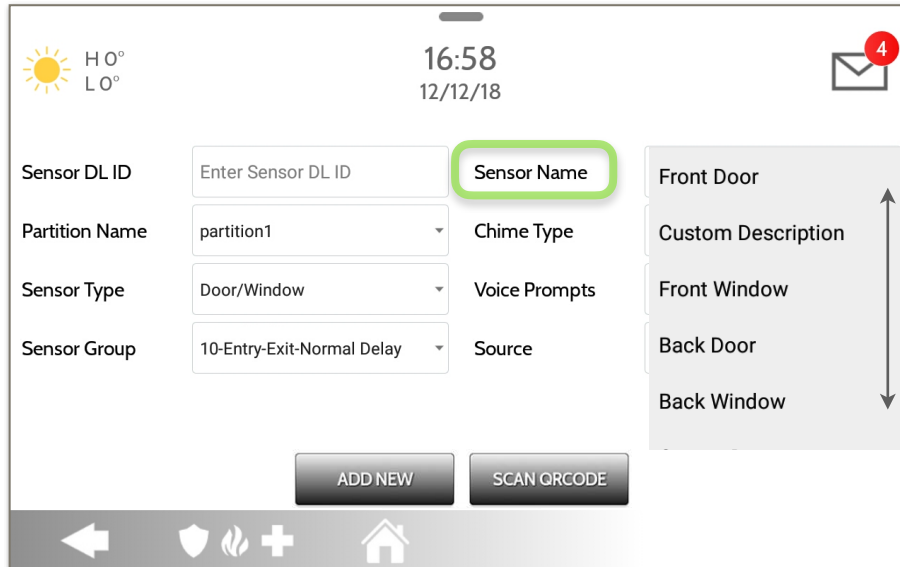
| GROUP | NAME | SUPERVISED | SCENARIO |
|-------|---------------------|------------|---|
| 25 | Local Safety Sensor | Y | This sensor group is to be used for monitoring activity in the home. This group does not report |

TEMPERATURE

| GROUP | NAME | SUPERVISED | SCENARIO |
|-------|--------------------|------------|--|
| 51 | Temp Non Reporting | Y | Only for use with the PowerG Temp Sensor (PG8905). This sensor group does not report to the Central Station. Allows for actual temperature monitoring (thermometer) with customizable high/low threshold settings |
| 52 | Freeze | Y | Triggers an alarm when sensor detects low temperatures. NOTE: temperature sensor functionality has not been evaluated by CE/EN Grade 2. |
| 53 | Temp Reporting | Y | Triggers an alarm when sensor detects high temperatures. NOTE: temperature sensor functionality has not been evaluated by CE/EN Grade 2. |

Please note: When using the PG8905 with Group 51, the High & Low threshold settings are set to 4°C and 38°C by default. When using Group 52, the Low threshold setting is set to 4°C by default. When using Group 53, the High threshold setting is set to 38°C by default. Thresholds can be customized between -40°C and 85°C.

SENSOR NAME

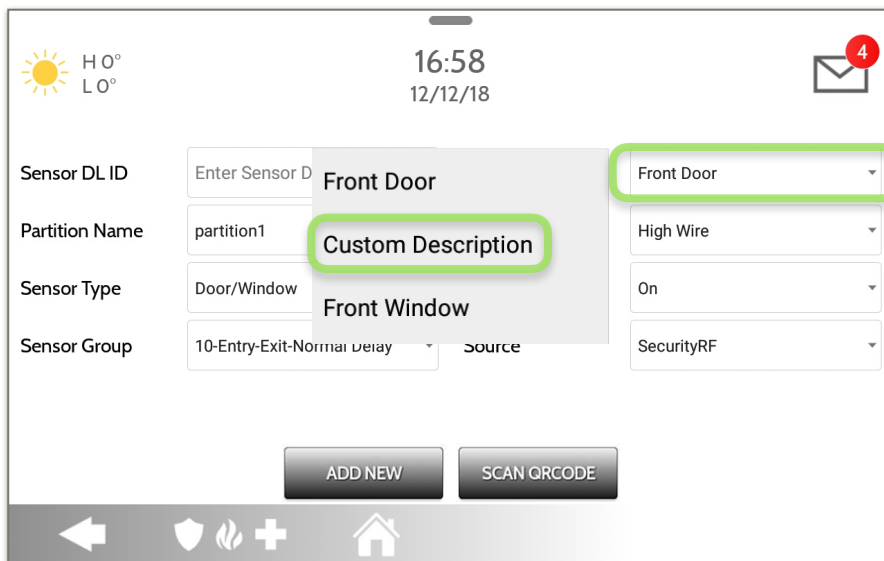


The screenshot shows the 'ADD NEW' screen in the Qolsys mobile app. At the top, there's a status bar with a sun icon, temperature (H 0°, L 0°), time (16:58), date (12/12/18), and a notification icon with a red '4'. The main form has several fields: 'Sensor DL ID' (placeholder: Enter Sensor DL ID), 'Partition Name' (value: partition1), 'Sensor Type' (value: Door/Window), and 'Sensor Group' (value: 10-Entry-Exit-Normal Delay). To the right of these fields are labels for 'Chime Type', 'Voice Prompts', and 'Source'. The 'Sensor Name' field is highlighted with a green border. To the right of the 'Sensor Name' field is a list of preset names: 'Front Door', 'Custom Description', 'Front Window', 'Back Door', and 'Back Window'. A vertical double-headed arrow is next to this list. At the bottom, there are two buttons: 'ADD NEW' and 'SCAN QR CODE'. The bottom navigation bar has icons for back, home, and other app functions.

When you select the sensor name field you can choose from a variety of preset sensor names by scrolling up and down or create a custom description.

SENSOR NAME: CUSTOM DESCRIPTION

When you select "Custom Description" as your sensor name the android keyboard will appear. Type in the desired name (up to 56 characters) and click "Done." The name will appear in the field below "Sensor Name."

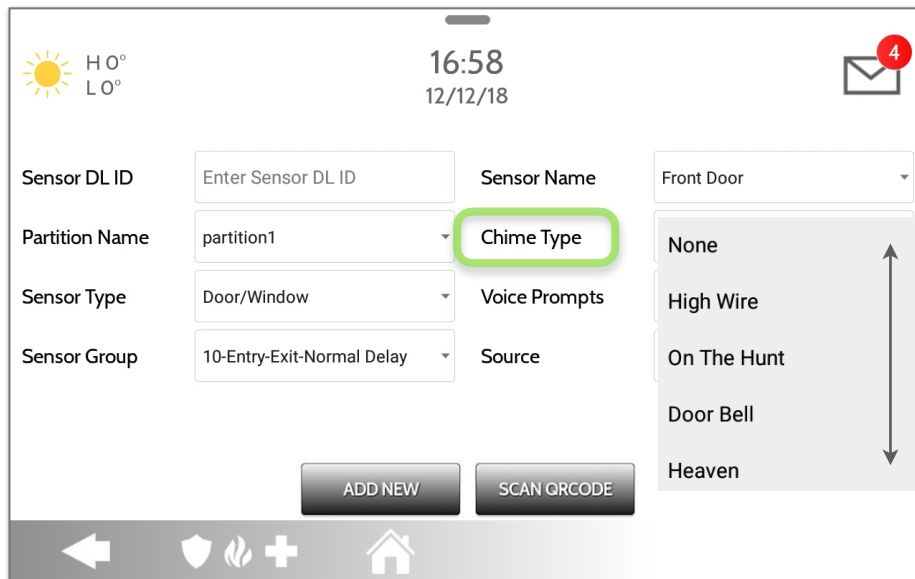


The screenshot shows the Qolsys mobile app interface for adding a new sensor. The top status bar displays weather (sun icon), temperature (H 0°, L 0°), time (16:58), and date (12/12/18). A notification icon with a red '4' is in the top right. The main form has the following fields:

- Sensor DL ID:** Enter Sensor D
- Partition Name:** partition1
- Sensor Type:** Door/Window
- Sensor Group:** 10-Entry-Exit-Normal Delay
- Sensor Name:** Front Door (highlighted in green)
- Sensor Description:** Custom Description (highlighted in green)
- Sensor Type:** Front Window
- Source:** SecurityRF

At the bottom, there are two buttons: "ADD NEW" and "SCAN QR CODE". A navigation bar at the very bottom contains icons for back, shield, fire, plus, and home.

CHIME TYPE



Sensor DL ID: Enter Sensor DL ID
 Partition Name: partition1
 Sensor Type: Door/Window
 Sensor Group: 10-Entry-Exit-Normal Delay

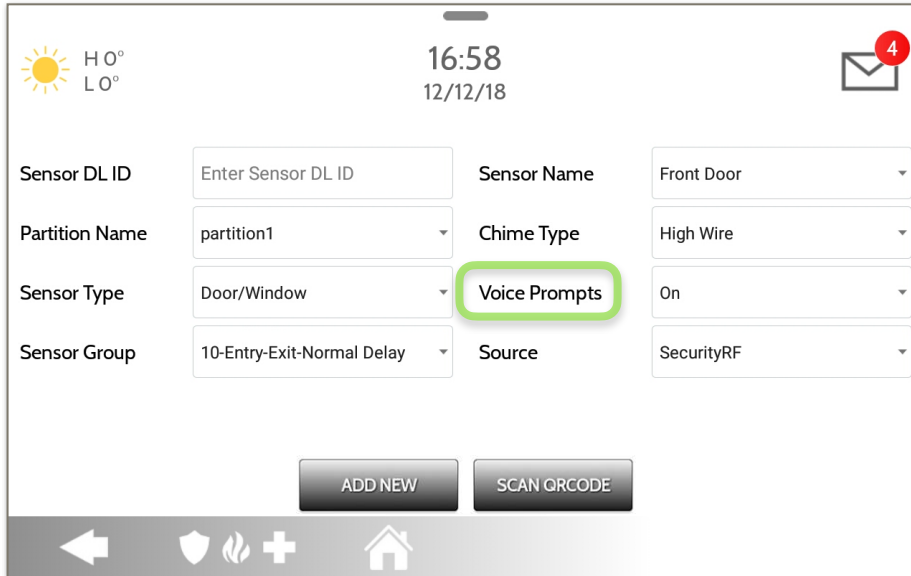
Sensor Name: Front Door
 Chime Type: **Chime Type**
 Voice Prompts:
 Source:

ADD NEW SCAN QR CODE

None
 High Wire
 On The Hunt
 Door Bell
 Heaven

Because of the dynamic nature of the way the IQ Panel 2 pairs and understands each individual sensor, you can program each sensor to have a unique chime or even turn chiming off for that individual sensor. To customize your chime for a particular sensor touch the Chime Type drop down and choose from the list.

VOICE PROMPTS



| | | | |
|----------------|---|----------------------|---|
| Sensor DL ID | <input type="text" value="Enter Sensor DL ID"/> | Sensor Name | <input type="text" value="Front Door"/> |
| Partition Name | <input type="text" value="partition1"/> | Chime Type | <input type="text" value="High Wire"/> |
| Sensor Type | <input type="text" value="Door/Window"/> | Voice Prompts | <input type="text" value="On"/> |
| Sensor Group | <input type="text" value="10-Entry-Exit-Normal Delay"/> | Source | <input type="text" value="SecurityRF"/> |

ADD NEW SCAN QR CODE

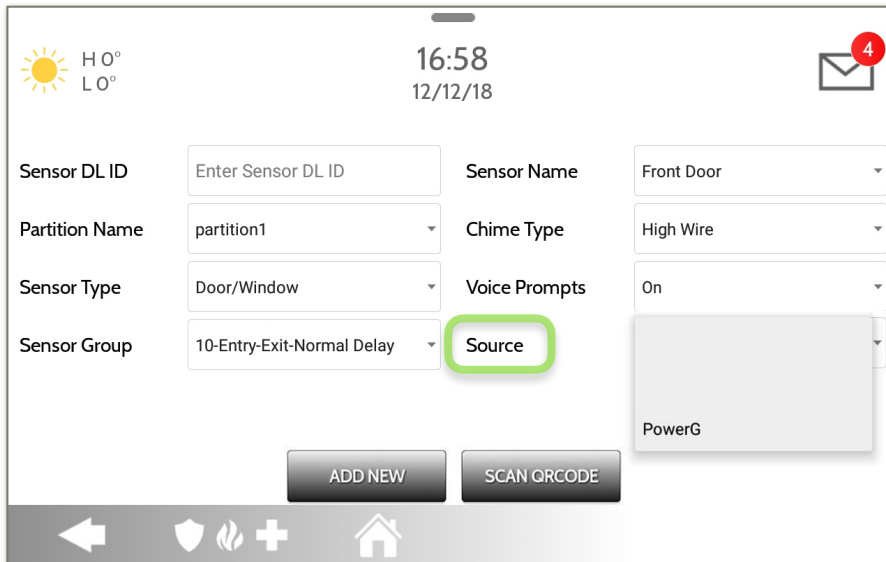
Voice prompts annunciate the sensor name when the sensor is opened or tripped.*

For door/window sensors, voice prompts are defaulted to “On”. For most other sensors the default is “Off.” Touch the drop down menu to change.

Choose individually which sensors should have voice prompts ON or OFF

***NOTE:** “Activity Monitoring Sensors” will also audibly report when they have been closed.

SOURCE



The screenshot displays the Olsys mobile application interface for configuring a security sensor. At the top, there is a status bar with a sun icon, temperature (H 0°, L 0°), the time (16:58), the date (12/12/18), and a notification icon with a red circle containing the number 4. Below the status bar, the configuration form is organized into two columns. The left column contains four dropdown menus: 'Sensor DL ID' (with a placeholder 'Enter Sensor DL ID'), 'Partition Name' (set to 'partition1'), 'Sensor Type' (set to 'Door/Window'), and 'Sensor Group' (set to '10-Entry-Exit-Normal Delay'). The right column contains three dropdown menus: 'Sensor Name' (set to 'Front Door'), 'Chime Type' (set to 'High Wire'), and 'Voice Prompts' (set to 'On'). The 'Source' field is highlighted with a green circle, and a dropdown menu is open, showing 'PowerG' as an option. At the bottom of the form, there are two buttons: 'ADD NEW' and 'SCAN QR CODE'. The bottom navigation bar features a back arrow, a shield icon, a plus sign, and a home icon.

| | | | |
|----------------|----------------------------|---------------|------------|
| Sensor DL ID | Enter Sensor DL ID | Sensor Name | Front Door |
| Partition Name | partition1 | Chime Type | High Wire |
| Sensor Type | Door/Window | Voice Prompts | On |
| Sensor Group | 10-Entry-Exit-Normal Delay | Source | PowerG |

Source indicates the sensor's incoming frequency when pairing to the IQ Panel 2 and IQ Panel 2+.

IQ Panel 2+ will show the following options:




- PowerG

EDIT SENSOR




Edit Sensor

Edit sensors after they have already been learned in. All fields can be edited with the exception of the DL or Sensor ID.

|  H 101° L 64° | | 12:09 PM Jul 23 2019 | |  | | | |
|---|------|-------------------------|---------------|---|----------------------------|----------------------------|---|
| NO | PTID | ID | SIGNAL SOURCE | TYPE | NAME | GROUP | EDIT |
| 1 | 1 | 12BEA1 | G | Motion | Upstairs Motion Detector | 17-Away-Instant Motion |  |
| 2 | 1 | 12BEA2 | G | Motion | Downstairs Motion Detector | 17-Away-Instant Motion |  |
| 3 | 1 | 12BEA3 | G | Door/Window | Front Door | 10-Entry-Exit-Normal Delay |  |
| 4 | 1 | 12BEA4 | G | Door/Window | Laundry Door | 10-Entry-Exit-Normal Delay |  |
| 5 | 1 | 12BEA5 | G | Door/Window | Back Door | 13-Instant |  |








To make changes to a sensor, touch the “Pencil” icon next to the sensor that needs editing. Change desired fields and then touch “SAVE”.

FIND IT



Swipe down for access

12:55 PM
02/01/16

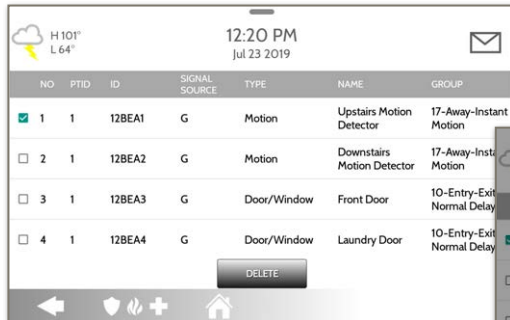
-  SETTINGS
-  ADVANCED SETTINGS
-  ENTER CODE (1111, 2222)
-  INSTALLATION
-  DEVICES
-  SECURITY SENSORS
-  EDIT SENSOR

DELETE SENSOR



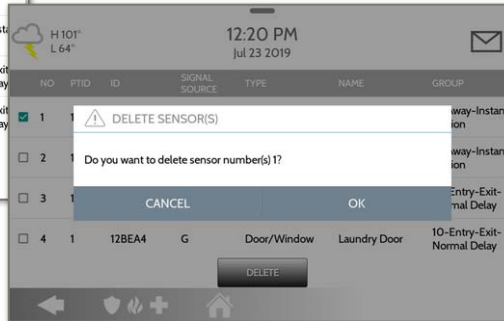
Delete Sensor

Delete each sensor individually or choose to delete more than one at a time. This is useful when needing to replace a sensor all together instead of simply editing programmed information.

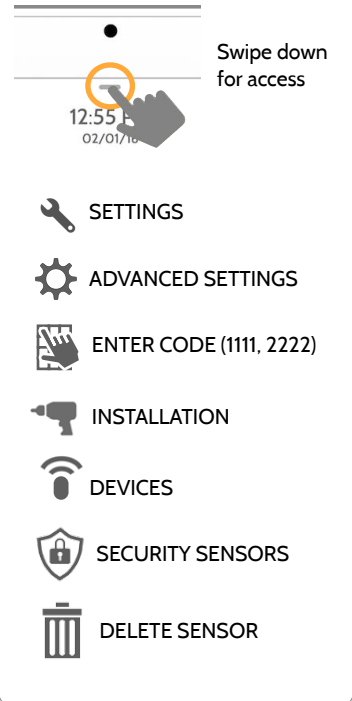


Select the sensor(s) from the list that are to be deleted and then touch “DELETE”

Verify that the action is correct and touch “OK” to confirm or “CANCEL” to quit the operation



FIND IT




SENSOR STATUS




Sensor Status

Monitor sensor status in real time for things like open, close, tamper, idle and low battery.








H 101°
L 64°

12:29 PM
Jul 23 2019

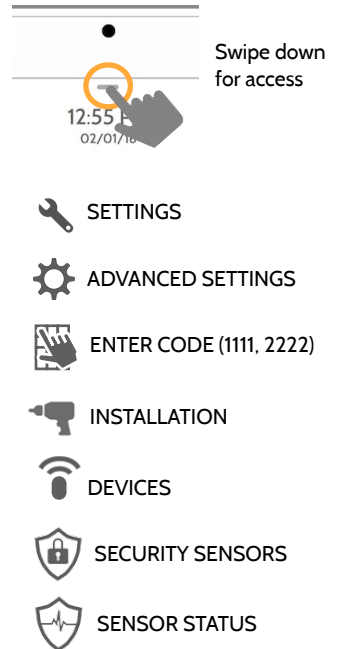


| NO | PTID | ID | SIGNAL SOURCE | NAME | TYPE | GROUP | STATUS |
|----|------|--------|---------------|----------------------------|-------------|----------------------------|--------|
| 1 | 1 | 12BEA1 | G | Upstairs Motion Detector | Motion | 17-Away-Instant Motion | Idle |
| 2 | 1 | 12BEA2 | G | Downstairs Motion Detector | Motion | 17-Away-Instant Motion | Idle |
| 3 | 1 | 12BEA3 | G | Front Door | Door/Window | 10-Entry-Exit-Normal Delay | Closed |
| 4 | 1 | 12BEA4 | G | Laundry Door | Door/Window | 10-Entry-Exit-Normal Delay | Closed |
| 5 | 1 | 12BEA5 | G | Back Door | Door/Window | 13-Instant Perimeter D/W | Open |

This page also allows you to quickly review programming for things like Zone number, Partition, Signal Source (PowerG), Sensor Name, Sensor Type and Sensor Group.

FIND IT





SENSOR GROUP




Sensor Group

Don't have this manual handy on an install? Sensor Group gives you digital access to view each possible sensor group and its behaviors directly on the panel.


|  H 101° L 64° | | 12:41 PM Jul 23 2019 | |  | | |
|---|-------------------|-------------------------|-------------|---|-----------|------------|
| ID | TYPE | NAME | SUPERVISORY | RESTORAL | TIMER | SIREN TYPE |
| 0 | Auxiliary Pendant | Fixed Intrusion | Y | N | Immediate | Siren3 |
| 1 | Auxiliary Pendant | Mobile Intrusion | N | N | Immediate | Siren3 |
| 2 | Auxiliary Pendant | Fixed Silent | Y | N | Immediate | Siren3 |
| 4 | Auxiliary Pendant | Fixed Auxiliary | Y | N | Immediate | Siren3 |
| 6 | Auxiliary Pendant | Mobile Auxiliary | N | N | Immediate | Siren3 |


The Sensor Group list is sorted by “Type” in alphabetical order from A - Z.


FIND IT



 12:55
02/01/19


Swipe down for access



 SETTINGS



 ADVANCED SETTINGS


 ENTER CODE (1111, 2222)


 INSTALLATION


 DEVICES


 SECURITY SENSORS

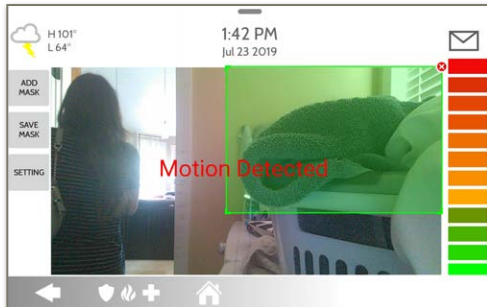

 SENSOR GROUP

PANEL MOTION SETTINGS*



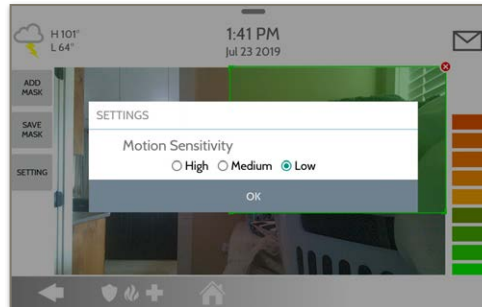
Panel Motion Settings

Control settings for the built-in Panel Motion Detector. Change the sensitivity threshold and mask off up to 4 customizable areas to prevent false triggers.



Masking:

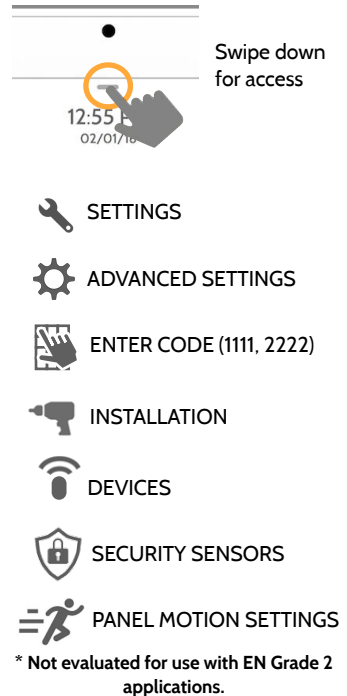
Touching “ADD MASK” will give a drawable area (green) that is not taken in to account for motion pixelation change, then touch “SAVE MASK” to save. Up to 4 independent mask areas can be drawn.



Sensitivity Setting:

Touch “SETTING” to change the the Panel Motion sensitivity between Low (default), Medium and High. Use the Green to Red bar on the right side of the screen to determine trigger threshold.

FIND IT



WI-FI DEVICES

WI-FI DEVICES



Wi-Fi Devices

View and remove Wi-fi devices associated with the panel as well as configure the Qolsys Access point.



Wi-Fi

Scan and connect to a Wi-Fi network. This will ensure your panel can receive software updates and have a Dual Path connection.



Access Point Settings

Configure the IQ Panel 2's built in router. Enable/Disable the router, broadcast or hide the SSID and change the SSID's password etc...



Access Point Connected Devices

View connected device information such as IP, MAC address and for how long the device has been connected.



IQ Remote Devices

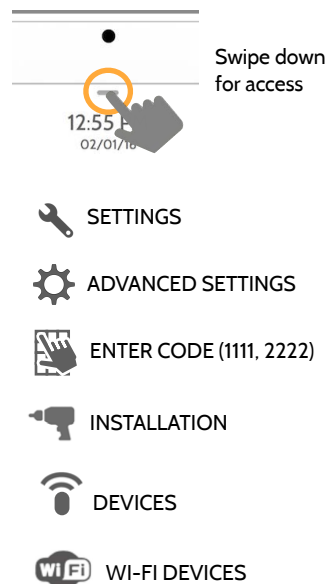
Pair an IQ Remote Secondary Touchscreen to the panel whether it is connected to the customer's network or the panel's built in Access Point.



3rd Party Connections

Enable or disable 3rd party connections on the panel. This feature is used for specific 3rd party device integration

FIND IT



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)

Activate WIFI



Now Communications



Qolsys



Sunset Room

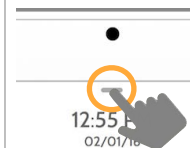


Vertical Ops 2.4



Add wi-fi network

FIND IT



Swipe down for access



SETTINGS



ADVANCED SETTINGS



ENTER CODE (1111, 2222)



INSTALLATION

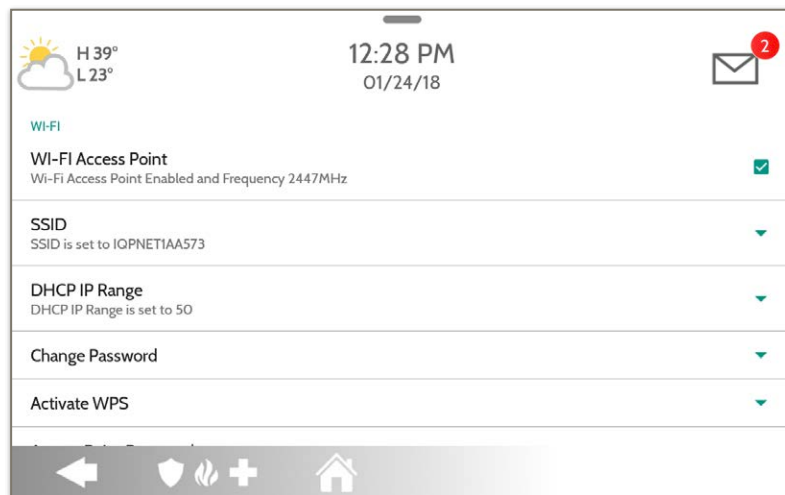


DEVICES



WI-FI DEVICES

ACCESS POINT SETTINGS



WI-FI Access Point:

Enable or Disable the Panel Access Point

SSID:

Change the SSID Name. This is the name that other devices will use to connect to.

DHCP IP Range:

Modify the DHCP IP Range for the access point. Default is 50.

Change Password:

Change the password of the SSID to one of your choosing.

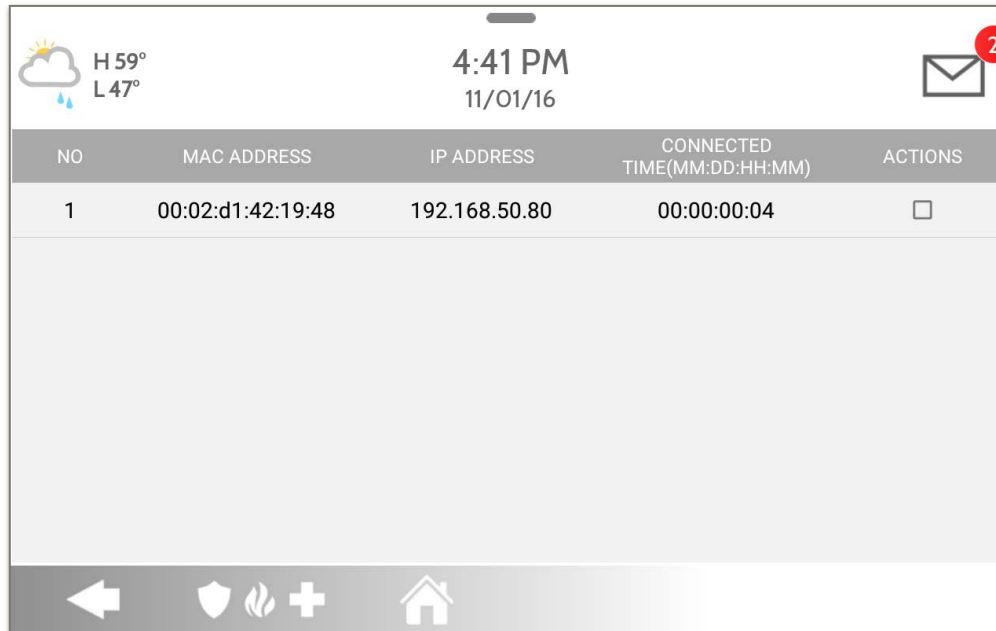
Activate WPS:

Connect devices to the panel's built-in access point using WPS push button.

Access Point Password:

Shows current password in use for the Panel Access Point

ACCESS POINT CONNECTED DEVICES



The image shows a mobile application interface for managing Wi-Fi devices. At the top, there is a status bar with a weather icon (cloud with sun and rain), temperature (H 59°, L 47°), time (4:41 PM), and date (11/01/16). A notification icon (envelope) with a red circle containing the number '2' is in the top right corner. Below the status bar is a table with the following columns: NO, MAC ADDRESS, IP ADDRESS, CONNECTED TIME(MM:DD:HH:MM), and ACTIONS. The table contains one row of data. At the bottom of the screen is a navigation bar with icons for back, home, and other functions.

| NO | MAC ADDRESS | IP ADDRESS | CONNECTED TIME(MM:DD:HH:MM) | ACTIONS |
|----|-------------------|---------------|-----------------------------|--------------------------|
| 1 | 00:02:d1:42:19:48 | 192.168.50.80 | 00:00:00:04 | <input type="checkbox"/> |

View the IP address, Mac address and connected duration of each Wi-Fi client connected to the panel's built in router.

Select "Actions" to then remove a device that has been associated with the panel.

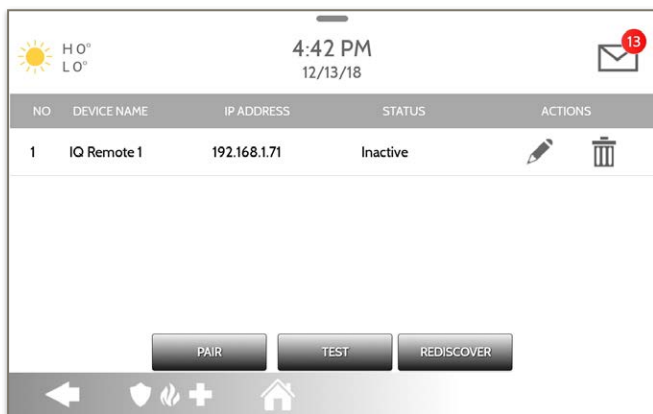
You must remove saved network information from the device otherwise it will re-connect to the panel.

IQ REMOTE DEVICES (For North American Market Only - Not functional for CE/EN Grade 2)



IQ Remote Devices

Pair up to 3 IQ Remote Secondary Touchscreens to the panel via the customer's network or the panel's built in access point.



NOTE: The IQ Remote will automatically pair as Sensor Type “Keypad” and will appear on the zone list in the order in which it is paired. Sensor Groups 0, 1 & 2 are available options for this Sensor Type.

1. Connect the IQ Remote to the panel's access point or to the same Wi-Fi network the panel is connected to. **NOTE:** QW9102 & QW9103 IQ Remotes only support 2.4 GHz networks. QW9104 IQ Remotes support both 2.4 GHz and 5 GHz.
2. Prior to pairing the IQ Remote to the panel you can Test the connection by select TEST on the panel and the remote.
3. Select “Pair” on the Panel and then Pair on the IQ Remote to begin during this process the remote will also download and update to the current software version and reboot.
4. The remote device will pair to the panel and will show that it is active on the list. You can then edit (device name and sensor group), ping, delete or rediscover the device if necessary

3RD PARTY CONNECTIONS

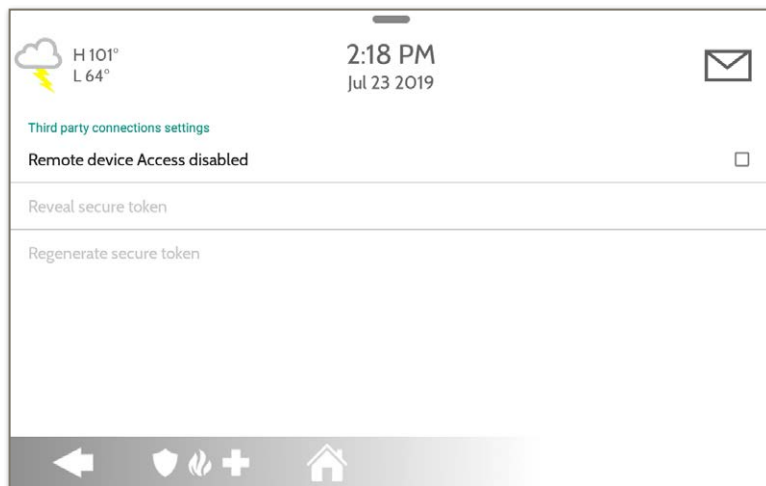
Note: Not authorized for EN Grade 2 installations.

FIND IT

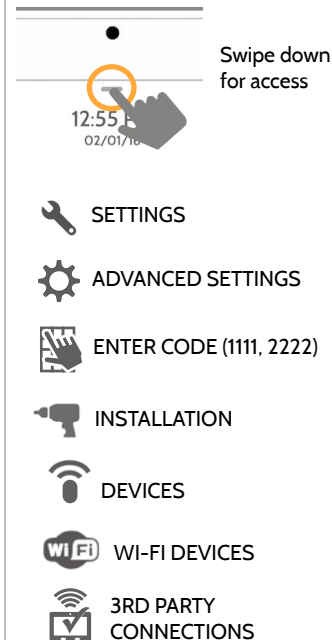


3rd Party Connections

Enable or disable 3rd party connections on the panel. This feature is used for specific 3rd party device integration



Check the “Remote Device Access” box to enable 3rd Party Connections. This will cause the panel to reboot in order to apply the change. Once enabled a secure token can be generated in order to sync with 3rd party device integration.



Z-WAVE DEVICES

Z-WAVE DEVICES

Note: Not evaluated for use with EN Grade 2 installations.



Z-Wave Devices

Add, Edit, Clear and Remove Z-Wave Devices. You can also View/Edit associations as well as access Z-Wave Settings.



Add Device (Inclusion)

Add new devices to the Z-Wave network



Edit Device

Make changes to existing devices



Clear Device (Exclusion)

Removes a Z-Wave device from it's previous network. Also deletes a device from the IQ Panel 2 if currently paired.



Delete Failed Device

Remove a failed Z-Wave device from the IQ Panel 2's memory



Remove All Devices (Factory Default Reset)

If this controller is the primary controller for your network, resetting it will result in the nodes in your network being orphaned and it will be necessary after the reset to exclude and re-include all of the nodes in the network. If this controller is being used as a secondary controller in the network, use this procedure to reset this controller only in the event that the network primary controller is missing or otherwise inoperable.



View/Edit Associations

Manually change Z-Wave associations for specific devices.



Z-Wave Settings

Configure device limits and other Z-Wave settings.



SmartStart

Enter the device's DSK or simply scan the QR Code.



Provisioning List

Devices added via SmartStart will show their progress of being included into the network.

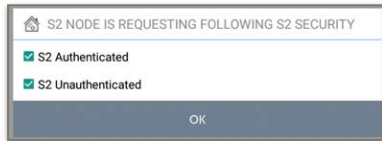
ADD DEVICE



1. Select “Add Device”

INCLUDE

2. Touch “Include”



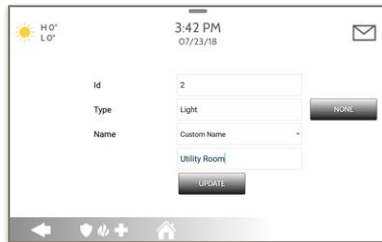
3. Press the “Pair” or “Learn” button on the device when the message appears. *(see individual device documentation for instructions on button location)*

4. Adjust the device name by touching and making the appropriate selections.

5. Select “Automation” to enable simple light rules.

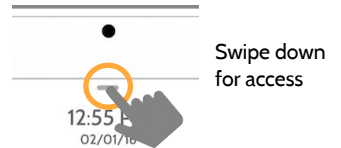
- **Night:** Turns light on at 7pm and off at 6am
- **Evening:** Turns light on at 7pm and off at 11pm
- **Front Door:** Turns light on for 15mins when Front Door opens (must have a sensor with the default quick name “Front Door” added in the panel).

6. Click “Add” to save the information and complete the process. (Adjustments can be made later from “Edit Device” icon)



S2 is a new Z-Wave Security Protocol. When an S2 node is attempting to be included it will request S2 security keys. These are based on the level of S2 security that the end device requires. These keys can be Unauthenticated, Authenticated or Access. These keys can be manually granted by selecting the appropriate option.

FIND IT



SETTINGS



ADVANCED SETTINGS



ENTER CODE (1111, 2222)



INSTALLATION



DEVICES



Z-Wave DEVICES



ADD DEVICE

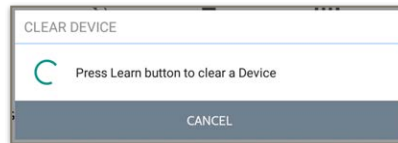
CLEAR DEVICE



Clears Z-Wave device from a network, whether it was enrolled with another controller previously or the IQ Panel 2. Also deletes a device from the IQ Panel 2 if currently paired.



Touch
"Clear Device"



Panel will start sending a
"Clear" signal



Press
"Pair" or "Learn"
button on device*

Panel returns to
Z-Wave Device
menu when
complete

NOTE: Each Z-Wave device is different, and not all devices have a hard button to pair or learn. Refer to your device's installation manual for specifics on pairing or learning.

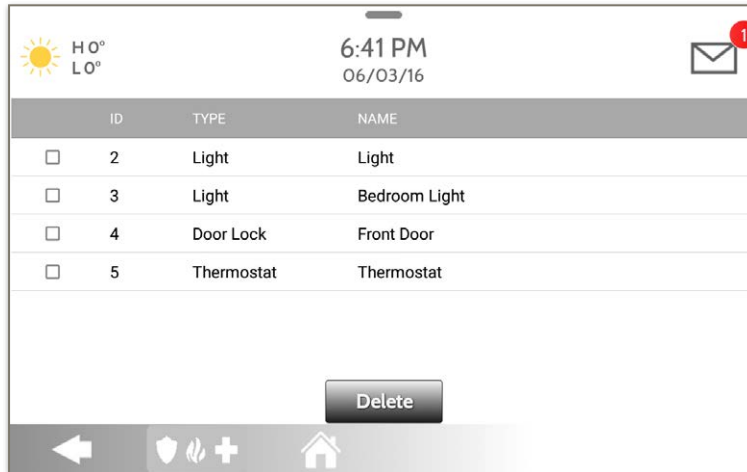
DELETE FAILED DEVICE



Deletes Z-Wave device from the panel. Before adding the device to another network see instructions on how to “Exclude” a Z-Wave device. Only allows a Node ID to be deleted if it has failed and is no longer communicating.



Touch
“Delete Failed
Device From
Panel”



The screenshot shows a mobile application interface for managing Z-Wave devices. At the top, there's a status bar with a sun icon, temperature (H 0°, L 0°), the time (6:41 PM), the date (06/03/16), and a mail icon with a red notification bubble containing the number 1. Below this is a table with four columns: ID, TYPE, and NAME. The table lists four devices: ID 2 (Light), ID 3 (Bedroom Light), ID 4 (Front Door), and ID 5 (Thermostat). Each device has a checkbox in the first column. At the bottom of the screen, there's a navigation bar with icons for back, home, and a plus sign. A 'Delete' button is visible at the bottom center of the screen.

| | ID | TYPE | NAME |
|--------------------------|----|------------|---------------|
| <input type="checkbox"/> | 2 | Light | Light |
| <input type="checkbox"/> | 3 | Light | Bedroom Light |
| <input type="checkbox"/> | 4 | Door Lock | Front Door |
| <input type="checkbox"/> | 5 | Thermostat | Thermostat |

Check the boxes next to the
device(s) you want to delete

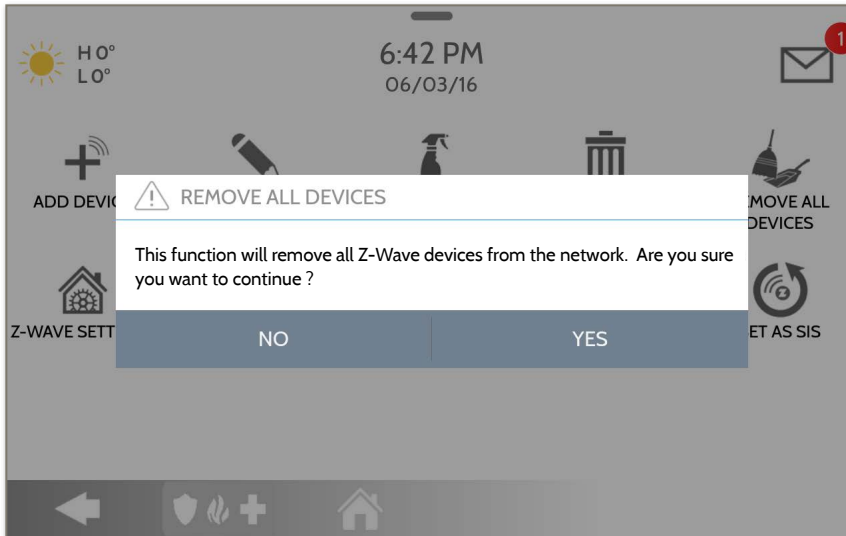
Delete

Touch “Delete”

REMOVE ALL DEVICES



Deletes all Z-Wave devices from the panel and resets the panel's Z-Wave controller.



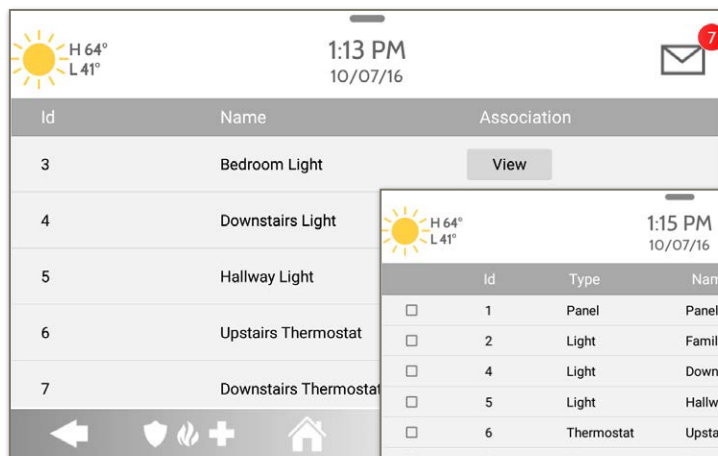
Touching "Remove All Devices" brings a confirmation pop-up asking you to confirm your decision to remove all devices.

If this controller is the primary controller for your network, resetting it will result in the nodes in your network being orphaned and it will be necessary after the reset to exclude and re-include all of the nodes in the network. This procedure will send a "Device Reset Locally" to all Z-Wave devices in the IQ Panel 2's Lifeline Group (Group 1).

VIEW/EDIT ASSOCIATIONS

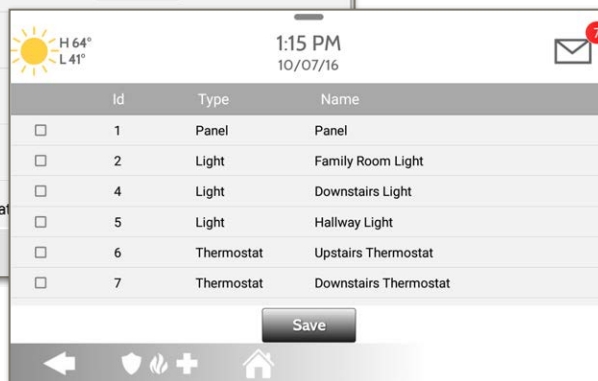


Manually change Z-Wave associations for specific devices.



1. Select the Z-Wave device you would like to associate with another by touching "View"

2. Select "Edit"



3. "Check" the boxes next to each device that you would like to associate with. Then select "Save"

Note: The IQ Panel 2+ supports Lifeline in Group 1 to send out Device Reset Locally when it has been associated to another Z-Wave Plus device. This is triggered when "REMOVE ALL DEVICES" is used

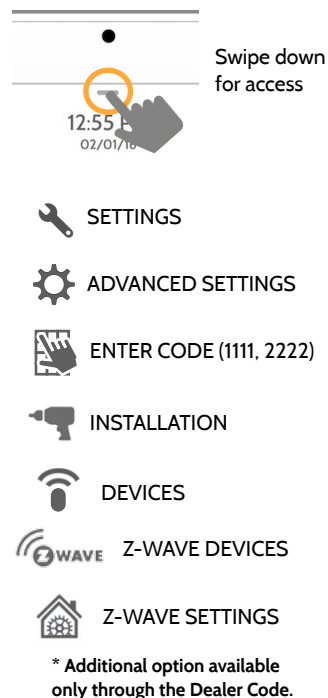
Z-WAVE SETTINGS

Z-Wave Settings allow an installer to set a maximum number of Z-Wave devices allowed on the IQ Panel 2 in all categories and to control other Z-Wave settings.

| Device | Default | Maximum Number Supported |
|----------------------|---------|---|
| Thermostats | 10 | Maximum number of supported Thermostats is 10 |
| Smart Sockets* | 15 | Maximum number of supported IQ Smart Sockets is 15 |
| Lights | 80 | Max number of supported Z-Wave light modules is 80 |
| Door Locks | 20 | Maximum number of supported Z-Wave Door Locks is 20 |
| Other Z-Wave Devices | 21 | Maximum number of misc Z-Wave devices is 21 |
| Garage Doors | 6 | Maximum number of Garage Doors is 6 |

NOTE: This feature has not been evaluated for EN Grade 2. This is a supplementary function that will not interfere with the minimum mandatory operation of the life safety and burglary protection of the alarm system control unit. Note: Additional Z-Wave devices other than what has been indicated as maximum limits have not been evaluated.

FIND IT



Z-WAVE SETTINGS

| Setting | Default | Description |
|-------------------------------------|----------|--|
| Allow Master Code Z-Wave Settings | Disabled | Allow Master User Code to access Z-Wave Settings |
| Allow Master Code Z-Wave Management | Disabled | Allow Master User Code to access Z-Wave Devices (Add, Edit, Clear, Delete Failed Device, Remove All Devices & View/Edit Associations) |
| Access to Automation | Enabled | When enabled it allows the ability to apply simple automated actions to lights and switches directly from the panel |
| Z-Wave | Enabled | Activate or deactivate the Z-Wave radio. Please use this procedure only when the controller (panel) is missing or inoperable |
| Advanced Z-Wave Settings | Disabled | <p>When Advanced Z-Wave Settings is enabled the following new icons will appear on the Z-Wave Devices page:</p> <ul style="list-style-type: none"> - Continuous Add Devices: Activates an “always listening” enroll mode. Include one Z-Wave device after another. When complete you can edit the device(s) with a custom name - Replace Failed Node: Allows a node that has failed to be replaced with a new device using the same node ID - Manage Devices From Secondary Controllers: Allows secondary controllers to manage devices on the network - Controller Shift: Shifts the primary controller from IQ Panel to another controller - Add/Remove Controller: This icon acts like an “Add/Remove” button when pairing the IQ Panel into another network |

SMARTSTART



1. Select “SmartStart”

INCLUDE

2. Touch “Include”



3. Scan the Box or Device’s QR code or manually enter the DSK code and select Add DSK.

4. Adjust the device name by touching and making the appropriate selections.

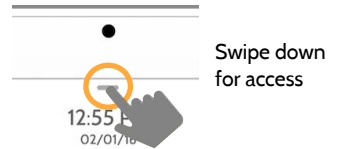
5. Select “Automation” to enable simple light rules.

- **Night:** Turns light on at 7pm and off at 6am
- **Evening:** Turns light on at 7pm and off at 11pm
- **Front Door:** Turns light on for 15mins when Front Door opens (must have a sensor with the default quick name “Front Door” added in the panel).

6. Click “Add” to save the information and complete the process. (Adjustments can be made later from “Edit Device” icon)



FIND IT



SETTINGS



ADVANCED SETTINGS



ENTER CODE (1111, 2222)



INSTALLATION



DEVICES



Z-WAVE DEVICES




SMARTSTART

PROVISIONING LIST



Provisioning List

Devices added via SmartStart will show up in the provision list. This list will show the network status of those devices. Once a device reaches the “Included” state on the panel, it can no longer be deleted using the trash can method and must follow standard clearing process.



The screenshot shows a mobile application interface for the Provisioning List. At the top, the time is 6:02 PM and the date is Apr 24 2019. There is a trash can icon in the top right corner. Below the header, there is a table with the following columns: DSK, TYPE, NAME, and NETWORK STATUS. The table contains one row with the following data: DSK: 49036, TYPE: Light, NAME: Light, and NETWORK STATUS: Not in network. There is a trash can icon to the right of the NETWORK STATUS column. At the bottom of the screen, there is a navigation bar with icons for back, home, and other functions.

| DSK | TYPE | NAME | NETWORK STATUS |
|-------|-------|-------|----------------|
| 49036 | Light | Light | Not in network |

NETWORK STATUS:

Not in network: When a device has been paired but has not yet been plugged in it will show Not in Network. These devices can also be deleted using the trash can.

Started: Once the device has been paired and then plugged in, it will start the inclusion process with the panel and run in the back ground.

Included: When a device has completed the inclusion process it will then show as “included” in the provisioning list and at that point the panel’s UI will reflect the included devices.

BLUETOOTH DEVICES

BLUETOOTH DEVICES (For North American Market Only - Not functional for CE/EN Grade 2)

FIND IT



Bluetooth Devices

Add, Edit, Delete and Configure a Bluetooth Device. Bluetooth disarm supported via a mobile device. Bluetooth Chime, annunciation and 2 Way Voice supported on Anker 3102, 3108 or 3109 Bluetooth speaker.



Add Device

Pair up to 5 mobile Bluetooth devices.



Edit Device

Make changes to existing Bluetooth devices.



Delete Device

Delete a paired Bluetooth device



Remove All Devices

Removes all paired Bluetooth devices at once.



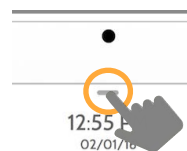
Settings

Toggle Bluetooth on/off, adjust Bluetooth disarm settings and change Bluetooth disarm timeout (1,5,10,20 & 30mins).



Add Speaker

Pair an Anker a3102, 3108 or 3109 Bluetooth speaker with the panel for remote voice annunciations, chimes and two-way voice.



Swipe down for access



SETTINGS



ADVANCED SETTINGS



ENTER CODE (1111, 2222)



INSTALLATION

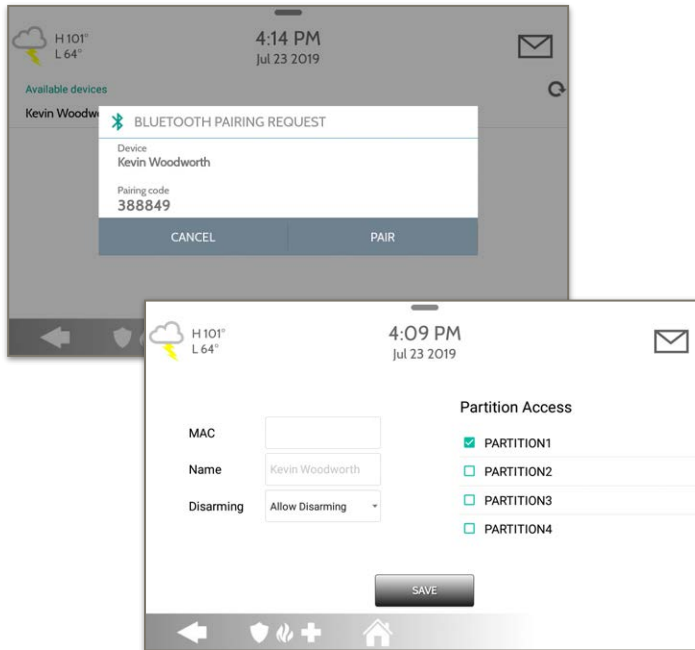



DEVICES



BLUETOOTH DEVICES

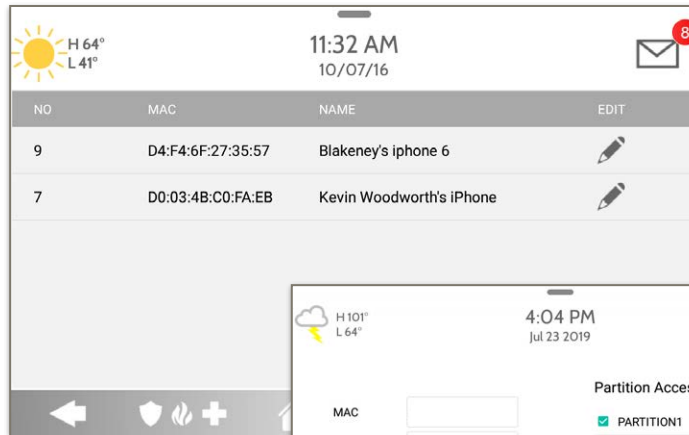
ADD DEVICE (For North American Market Only - Not functional for CE/EN Grade 2)



1. Select “Add Device” 
2. Open the Bluetooth page on your mobile device. The panel will search for all available and in range bluetooth devices.
3. Select the correct device from the list on the panel and ensure the pairing code matches that on your mobile device.
4. Touch “Pair” on the panel first, and then on your mobile device.
5. Choose whether to allow disarming or not, and select the Partition to be disarmed (if Partitions are enabled).
6. Your mobile device will now show under the “Paired Devices” list on the panel.

NOTE: Your phone may show the IQ Panel as “Not Connected”. This is normal

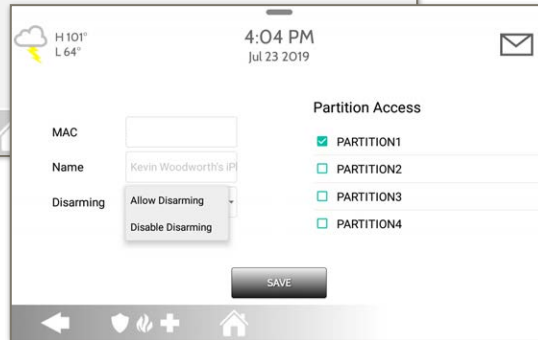
EDIT DEVICE (For North American Market Only - Not functional for CE/EN Grade 2)



1. Select the pencil next to the device you would like to edit.

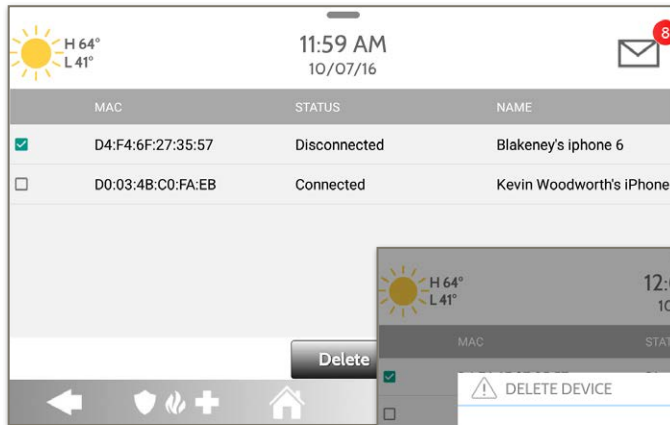
2. Select whether or not you would like to allow a device to disarm the panel when in proximity.

3. Select which Partition you would like the device to disarm.



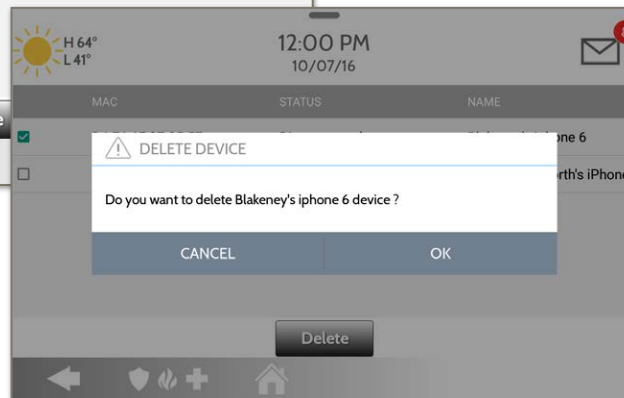
Note: This option is only available when "Partitions" are enabled. A device can only be assigned to one Partition at a time.

DELETE DEVICE (For North American Market Only - Not functional for CE/EN Grade 2)



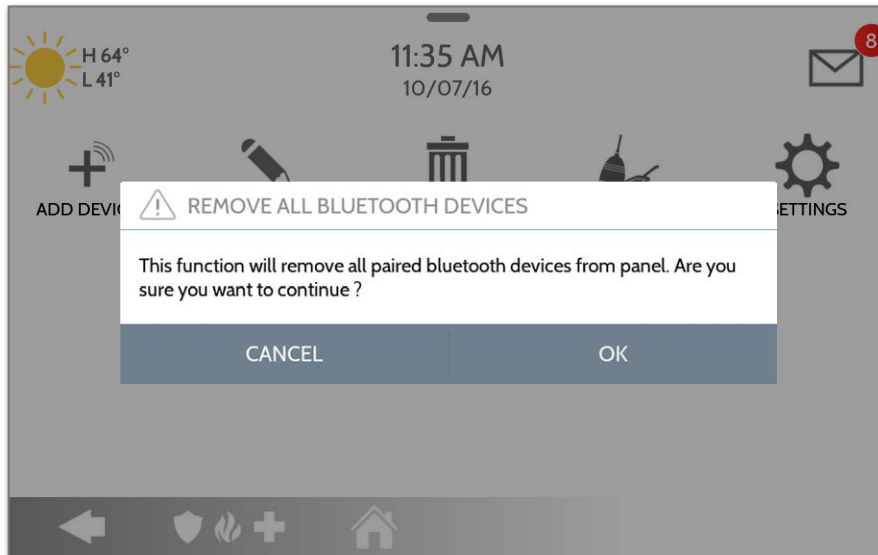
1. Select the check box next to the device you would like to delete.

2. Select "Delete" at the bottom of the page.



3. Select "OK" to confirm and delete the device.

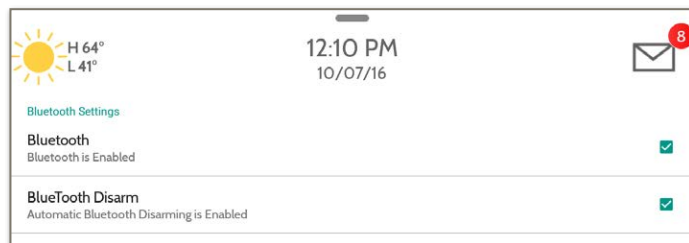
REMOVE ALL DEVICES (For North American Market Only - Not functional for CE/EN Grade 2)



To delete and remove all enrolled Bluetooth devices at once, select “Remove All Devices”.

Next select “OK” to confirm you would like to delete.

SETTINGS (For North American Market Only - Not functional for CE/EN Grade 2)

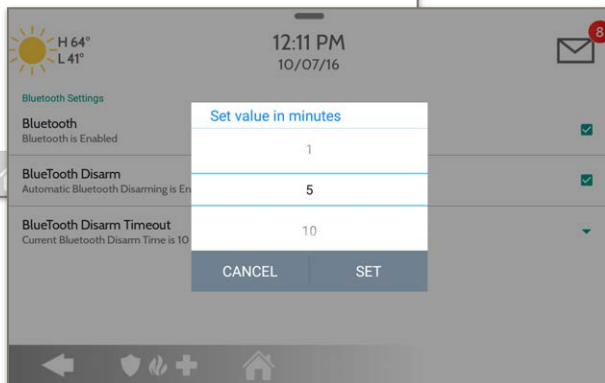


BLUETOOTH:

Select or un-select this box to enable or disable the bluetooth radio.

BLUETOOTH DISARM:

Select or un-select this box to enable or disable the ability to disarm the panel via Bluetooth. To change this on an individual level you must edit the specific device.

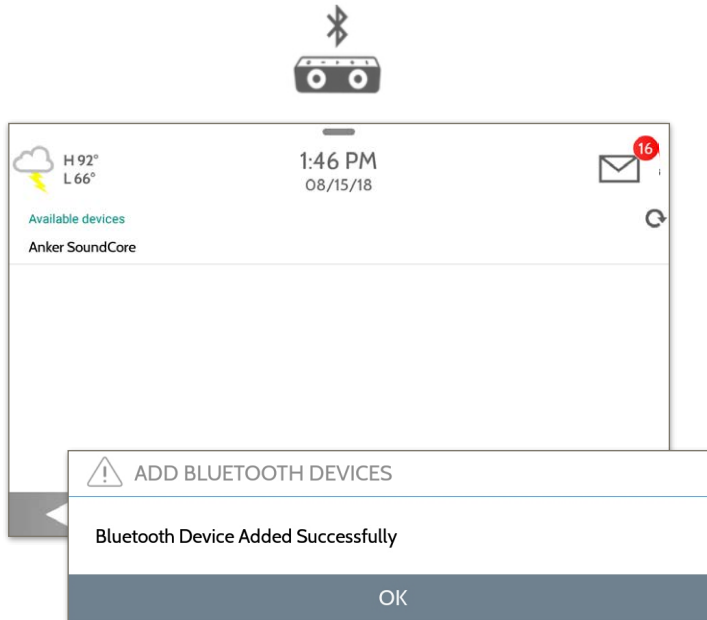


BLUETOOTH DISARM TIMEOUT:

Change the time in which the panel must wait after it's been armed to away before it allows a bluetooth device to disarm it. **Default 10 min**

Select from 1, 5, 10, 20 or 30 minute disarm timeout

ADD SPEAKER (For North American Market Only - Not functional for CE/EN Grade 2)



1. Select “Add Speaker”
2. Initiate Bluetooth pairing from the speaker.
3. Touch the correct device from the list on the panel to begin the pairing process.
4. Once paired, a pop up showing “Bluetooth Device Added Successfully” will appear. Touch “OK” to confirm.
5. Your speaker will now show under the “Paired Devices” list on the panel.

NOTE: Only “Anker” brand (models 3102, 3108 or 3109) speakers are supported.

SYSTEM TESTS

SYSTEM TESTS



System Tests

There are many different tests you can perform to ensure the system is working properly.



Wi-Fi Test

Test the panel's connection to the wireless (Wi-Fi) network



Sensor Test

Shows actual dBm signal strength of each sensor and graphs sensor events against the ambient noise floor of the environment



Cellular Test

Test the panel's connection to the cellular network and Alarm.com



Image Sensor Config

Test the panel's connection to Image Sensors



Z-Wave Tests

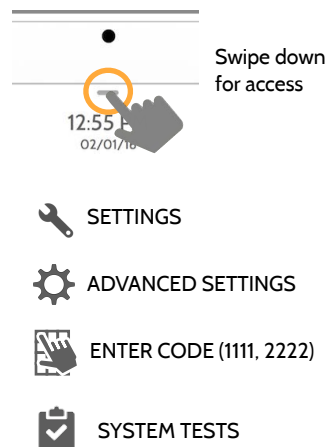
Test communication between devices and the panel. Rediscover network, counters, neighbor info, diagnostics & advanced diagnostics



PowerG Test

Ping and receive signal strength from a PowerG sensor.

FIND IT



SYSTEM TESTS



Panel Glass Break Test

Test the panel's microphones to ensure proper sensitivity for built in Glass Break



Dual Path Test

Verifies the Wi-Fi path is connecting to Alarm.com



Daughter Cards Test

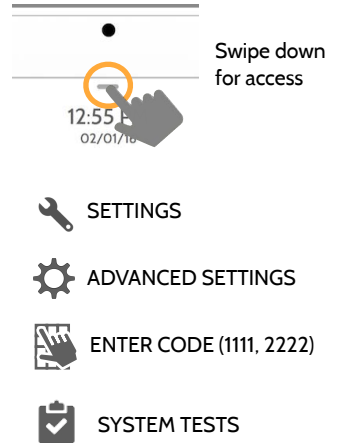
Tests the integrity of the installed daughter cards



Panel Test

Runs through a complete test of the panel's running processes

FIND IT



WI-FI TEST



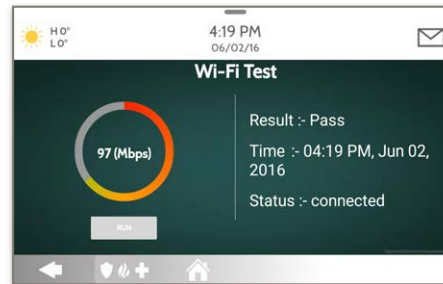
Wi-Fi Test

The Wi-Fi test checks the IQ Panel 2's connection to your network (router). Before running this test, be sure to connect the panel to the network. See "customization" section for directions on connecting to Wi-Fi.



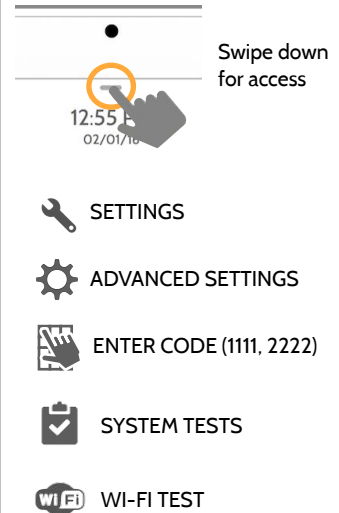
A successful test will result in a "pass" and indicates the date and time of the test along with connection speed.

To perform a Wi-Fi Test, touch the "Run" button.



NOTE: If test fails, please check your Wi-Fi settings.

FIND IT






SENSOR TEST (For North American Market Only - Not functional for CE/EN Grade 2)



Sensor Test

Shows actual dBm signal strength of each sensor and graphs sensor events against the ambient noise floor of the environment. Also displays the traditional packet count method. This new version of the Sensor Test requires **RF PIC Version 10.2.15-G1** or higher.

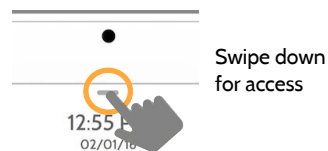
| ZONE | NAME | AVERAGE DBM | LAST EVENT RESULTS (DBM) (PACKETS) | | |
|------|--------------|--------------|------------------------------------|---------------|---|
| 1 | Back Window | Strong (-43) | Strong (-47) | Perfect (16) |  |
| 2 | Front Window | Strong (-31) | Strong (-33) | Perfect (8) |  |
| 3 | Back Door | Good (-55) | Good (-55) | Excellent (7) |  |

Refer to page 99 for the sensor packet results table.

The Advanced Sensor Test shows a summary page of each sensor paired to the panel along with the average dBm level, the last event's dBm level and how many packets were received from the sensor.

Select the graph icon to the right of each sensor to view an individual sensor's graphed signal strength in real time.

FIND IT



SETTINGS



ADVANCED SETTINGS



ENTER CODE (1111, 2222)



SYSTEM TESTS



SENSOR TEST

NOTE: For UL/cUL, perform a placement test first for all wireless initiating devices. The acceptable result shall be "Excellent".

SENSOR TEST (For North American Market Only - Not functional for CE/EN Grade 2)

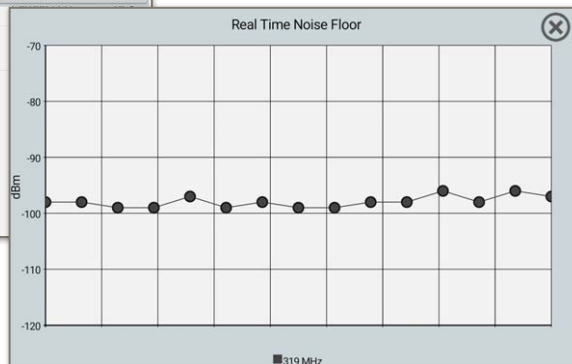


Noise Floor

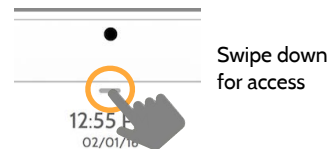
From the Sensor Test page select the “Settings” cog to view the “Real Time Noise Floor”. The noise floor represents the dBm threshold at which the panel can no longer sense signals from sensors.

| ZONE | NAME | AVERAGE DBM | LATEST RESULTS (DBM) (PACKETS) | |
|------|------------|--------------|--------------------------------|--|
| 1 | Versa | Strong (-58) | Strong (-61) | Clear All Sensor Data Real Time Noise Floor |
| 2 | Flow | Strong (-62) | Strong (-67) | |
| 4 | Front Door | Strong (-51) | Strong (-59) | |

Lower dBm levels mean there is less noise or interference on the sensor’s specific operating band or frequency.



FIND IT



SETTINGS



ADVANCED SETTINGS



ENTER CODE (1111, 2222)



SYSTEM TESTS



SENSOR TEST

NOTE: Manufacturer recommended signal to noise ratio is min 7dB

SENSOR TEST (For North American Market Only - Not functional for CE/EN Grade 2)

- Colored points on the graph represent each state change or supervisory signal transmitted from a sensor to the panel. Points are colored based on frequency.
- The **YELLOW** line represents a dBm level where signal strength is “Poor” and potential RF failures could occur. This line dynamically adjusts to 12 dBm above the ambient RF noise floor in the environment.
- The **RED** line represents a dBm level where signal strength is “Critical” and RF failures are likely. This line dynamically adjusts to 6 dBm above the ambient RF noise floor in the environment.

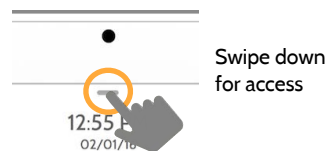
TROUBLESHOOTING:






If a sensor falls below the yellow line, try changing its orientation (vertical/horizontal), move the sensor to a different part of the door/window or adjust the panel's RF pigtail antenna.

Then re-test to see if the result improved.



FIND IT



-  SETTINGS
-  ADVANCED SETTINGS
-  ENTER CODE (1111, 2222)
-  SYSTEM TESTS
-  SENSOR TEST

NOTE: Manufacturer recommended signal to noise ratio is min 7dB

SENSOR TEST (For North American Market Only - Not functional for CE/EN Grade 2)



Sensor Test

The panel can test its connection and communication to individual security sensors. Before running this test there must be at least one security sensor paired with the system. This version of the sensor test is for panels with the older **RF PIC Version 10.2.15-G0**.

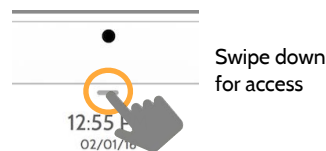
Sensors connected to the panel will appear on the screen. The panel will detect open and close reports. **Please allow 10 secs between tests if tripping the same device more than once.** "Signal Source" relates to a sensor's frequency.

The panel will audibly report and display test results from "No Signal" to "Perfect", including how many packets were received.

| NO | ID | SIGNAL SOURCE | NAME | RESULT | LAST RUN TIME |
|----|--------|---------------|------------|---------------|------------------------|
| 1 | 61B8A0 | G | Water | No Signal | |
| 2 | 625DA1 | G | Front Door | Perfect { 8 } | 04:49 PM, Jun 07, 2017 |

| Results | Packets Received |
|-----------|------------------------|
| Perfect | 8 |
| Excellent | 6-7 |
| Good | 3-5 |
| Minimum | 1-2 |
| No Signal | No RF packets received |

FIND IT



SETTINGS



ADVANCED SETTINGS



ENTER CODE (1111, 2222)



SYSTEM TESTS



SENSOR TEST

NOTE: For UL/cUL, perform a placement test first for all wireless initiating devices. The acceptable result shall be "Excellent".

CELLULAR TEST



Cellular Test

Test the panel's built-in cellular radio connection. You must first activate the radio through Alarm.com prior to running this test. Cell signal strength is only available after the test has been ran successfully.



To begin the test press “Start” and watch for the results on the screen.

FIND IT

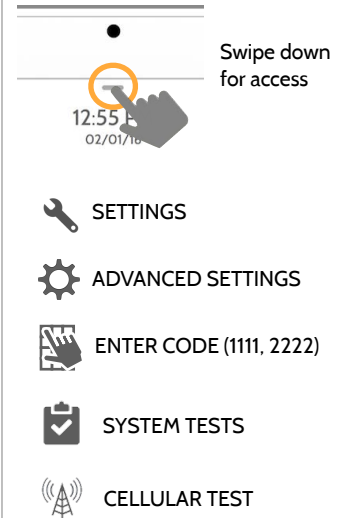


IMAGE SENSOR CONFIG (For North American Market Only - Not functional for CE/EN Grade 2)

FIND IT



Image Sensor Config

Test an image sensors connectivity with the panel to ensure they are communicating properly and are able to take photos.

Choose an Image Sensor to Test:

Number of Image Sensors : 1

View Settings for :

1 Image Sensor **VIEW**

Select the desired Image Sensor by touching "View" next to it's name



Touch "Sensor Tests"

Select the test you want to run:

2:57 PM 06/09/17

PIR Test Installer Peek-In

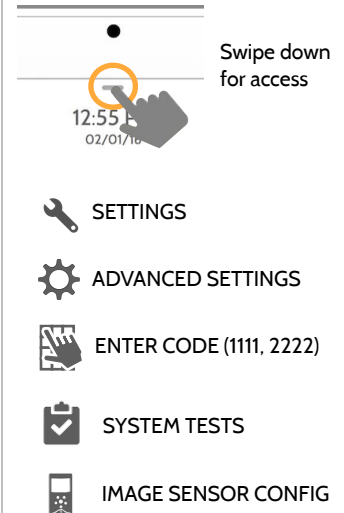
Click the button below to start a PIR test. This test will help you to confirm whether or not the PIR (passive infrared) detector on the Image Sensor is working properly.

Click the button below to request an installer peek-in on this Image Sensor. The peek-in will not count towards your monthly upload limit.

START PIR TEST **REQUEST PEAK-IN**

PIR Test checks the motion sensor

Installer Peek In tests the camera (Results appear through the Alarm.com app)





Z-WAVE TESTS



Z-Wave Test

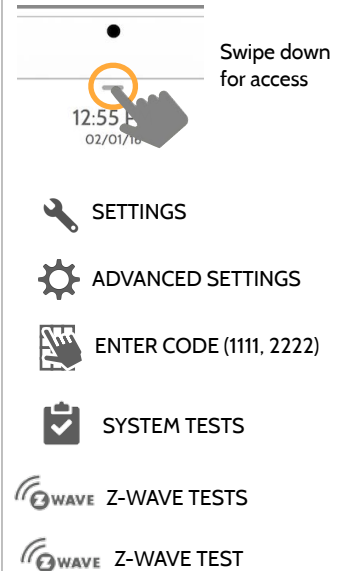
Test the connection between the panel and enrolled Z-Wave devices to ensure they are communicating properly.

To perform a Z-Wave Test, touch the “Run” button. A successful test will result in a “Pass” and a time stamp.

| <div> H 0° L 0°</div> <div>6:46 PM 06/03/16</div> <div> 1</div> | | | | |
|---|-----------|-------------|-----------|----------------|
| ID | TYPE | STATUS | TEST TIME | RESULT |
| 2 | Light | Normal | | <div>Run</div> |
| 3 | Light | Normal | | <div>Run</div> |
| 4 | Door Lock | Unreachable | | <div>Run</div> |

NOTE: If a test fails, relocate device, change batteries and/or rediscover network.

FIND IT



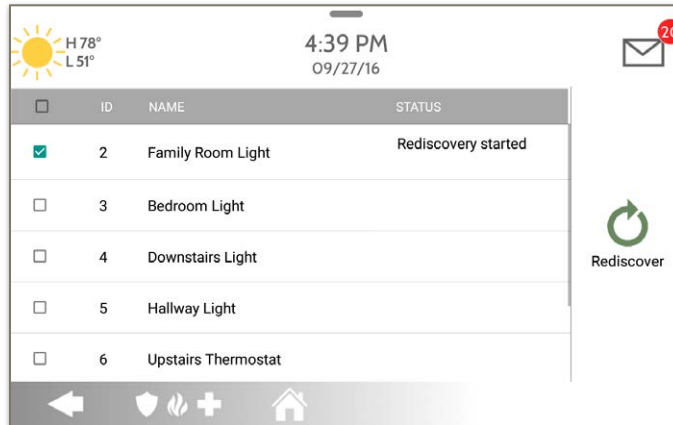
Z-WAVE TESTS



Rediscover Network

After installing or moving a Z-Wave device one should always “Rediscover the Network”. This re-maps the network and ensures all devices have the most efficient communication path leading back to the panel.

Select a single device or all and then select “Rediscover”. A result including a time stamp will appear under “Status”.

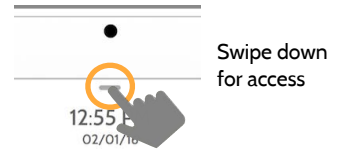


| | ID | NAME | STATUS |
|-------------------------------------|----|---------------------|---------------------|
| <input checked="" type="checkbox"/> | 2 | Family Room Light | Rediscovery started |
| <input type="checkbox"/> | 3 | Bedroom Light | |
| <input type="checkbox"/> | 4 | Downstairs Light | |
| <input type="checkbox"/> | 5 | Hallway Light | |
| <input type="checkbox"/> | 6 | Upstairs Thermostat | |

Additional UI elements visible: Weather (H 78° L 51°), Time (4:39 PM), Date (09/27/16), Notification (20), and a large green circular arrow button labeled "Rediscover".

NOTE: If a test fails, relocate device, change batteries and/or rediscover network.

FIND IT



SETTINGS



ADVANCED SETTINGS



ENTER CODE (1111, 2222)



SYSTEM TESTS



Z-WAVE TESTS



REDISCOVER NETWORK

Z-WAVE TESTS



Neighbor Info

Use “Neighbor Info” to view which devices can “see” each other. The more neighbors a device can see means more possible routes back to the controller.



HO°
LO°

6:44 PM
06/03/16



| ID | NAME | NEIGHBOR INFO |
|----|---------------|----------------------|
| 2 | Light | View |
| 3 | Bedroom Light | View |
| 4 | Front Door | |
| 5 | Thermostat | |


Touch “View” next to any device and a pop-up will appear listing its “Neighbor Nodes”

Neighbor Nodes for Light (5)







4 : front_door

CLOSE

FIND IT


Swipe down for access

12:55
02/01/16

-  SETTINGS
-  ADVANCED SETTINGS
-  ENTER CODE (1111, 2222)
-  SYSTEM TESTS
-  Z-WAVE TESTS
-  NEIGHBOR INFO

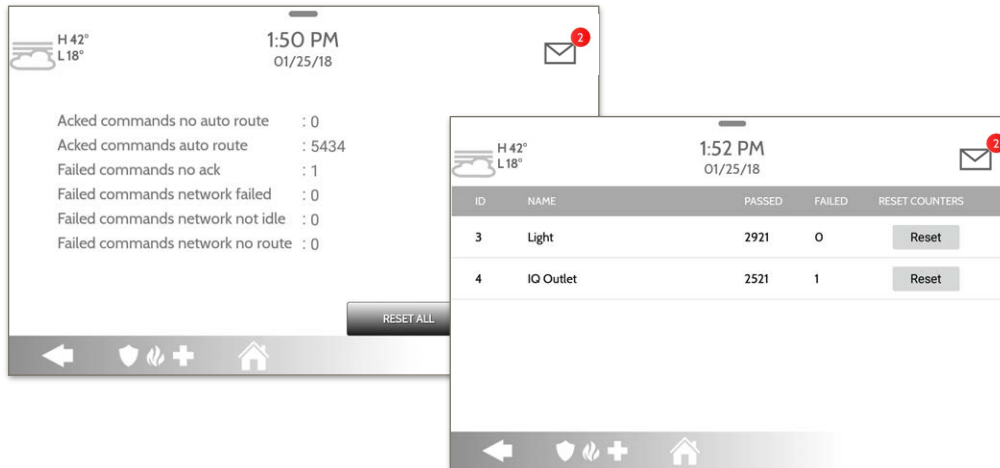
Z-WAVE TESTS

FIND IT



Counters

View a numerical representation of the Z-Wave network. View failed and acknowledged commands as a whole or from an individual device. A well designed network should have at least a 98% acknowledgment vs failed rate.

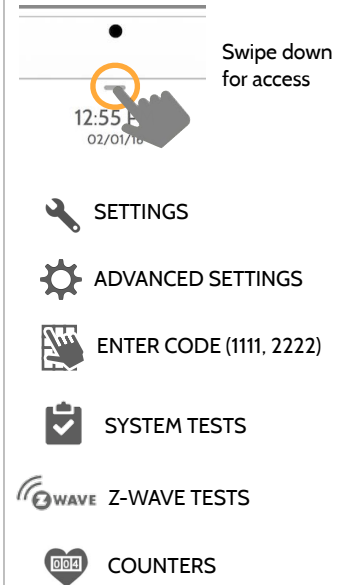


Summary of Command Counts:

- Acked commands no auto route : 0
- Acked commands auto route : 5434
- Failed commands no ack : 1
- Failed commands network failed : 0
- Failed commands network not idle : 0
- Failed commands network no route : 0

Device Command History Table:

| ID | NAME | PASSED | FAILED | RESET COUNTERS |
|----|-----------|--------|--------|----------------|
| 3 | Light | 2921 | 0 | Reset |
| 4 | IO Outlet | 2521 | 1 | Reset |



Swipe down for access

- SETTINGS
- ADVANCED SETTINGS
- ENTER CODE (1111, 2222)
- SYSTEM TESTS
- Z-WAVE Z-WAVE TESTS**
- COUNTERS**

Z-WAVE TESTS

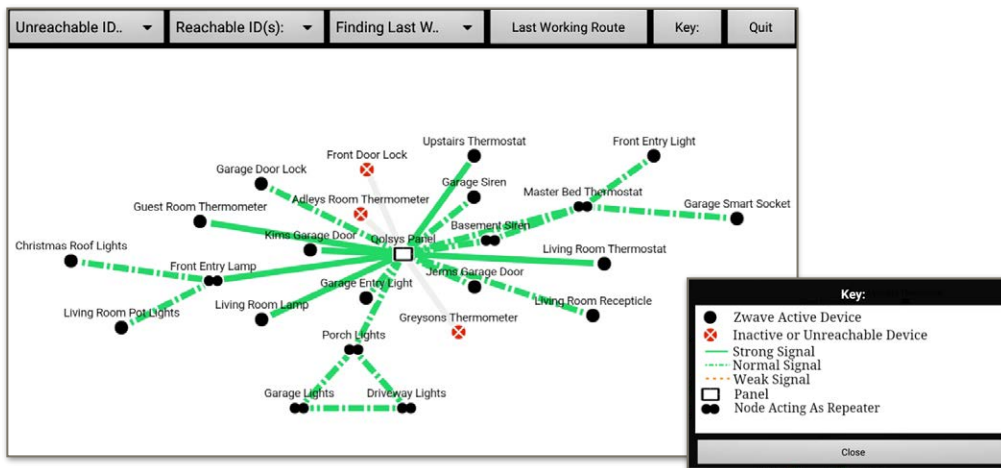
| COUNTER | DESCRIPTION |
|--------------------------------|--|
| Acked commands no auto route | Command was successful and acknowledged by the sensor; it did not use the normal automatic Z-Wave network route to execute the command for this device (command was re-routed on the Z-Wave network in order to succeed) |
| Acked commands auto route | Command was successful and acknowledged by the sensor; it used the normal automatic Z-Wave network route to execute the command for this device. |
| Failed commands network failed | Not possible to transmit data because Z-Wave network is busy (jammed). Command failed to execute. |
| Network failed | Not possible to transmit data because Z-Wave network is busy (jammed). Command failed to execute |
| Network not idle | Auto-routed command failed because Z-Wave network is not yet stable. Command failed to execute. |
| Network no route | Auto-routed command failed because there is no successful Z-Wave network route to the device. Command failed to execute |
| Reset All | Resets all counters back to 0 as to better diagnose the network |
| Details | Shows individual device details such as passed and failed commands. Here you can also reset an individual device's counter |

Z-WAVE TESTS

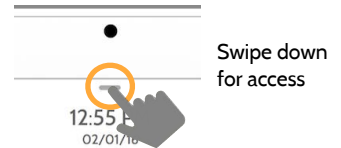


Z-Wave Diagnostics

View a graphical representation of the installed Z-Wave network. View the network's or an individual device's last known working route. Use the Key chart to decipher which devices are repeating nodes, have a strong or weaker signal or perhaps need to be moved to another location.



FIND IT



SETTINGS



ADVANCED SETTINGS



ENTER CODE (1111, 2222)



SYSTEM TESTS



Z-WAVE TESTS



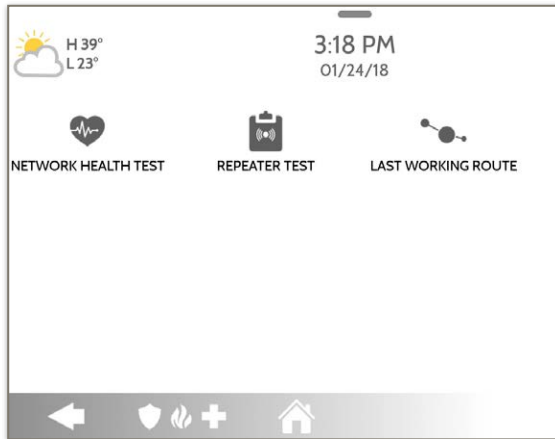
Z-WAVE DIAGNOSTICS

Z-WAVE TESTS



Advanced Z-Wave Diagnostics

Advanced Z-Wave diagnostics gives access to Network Health Test, Repeater Test & Last Working Route.



Network Health Test

Shows the minimum, maximum & average node response times on the network



Repeater Test

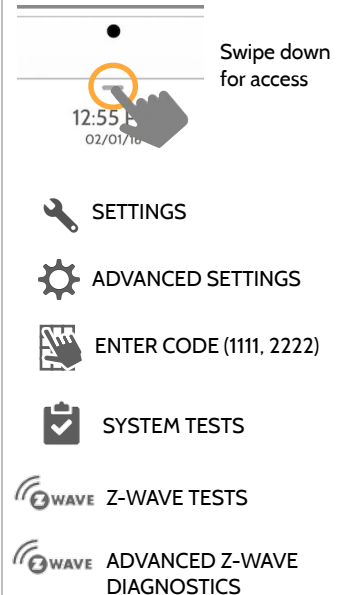
Tests the connection to dedicated Z-Wave repeaters on the network



Last Working Route

Shows the last working route for a specific node on the network. Also allows you to set a static “sticky” route

FIND IT

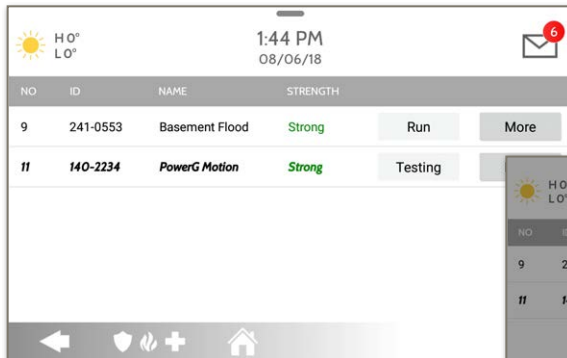


POWER G TEST



PowerG Test

Ping a PowerG sensor and receive back its signal strength. You can view the average signal strength over 24hrs as well as review the PowerG PIR CAM image.



| NO | ID | NAME | STRENGTH | | |
|----|----------|----------------|----------|---------|------|
| 9 | 241-0553 | Basement Flood | Strong | Run | More |
| 11 | 140-2234 | PowerG Motion | Strong | Testing | |

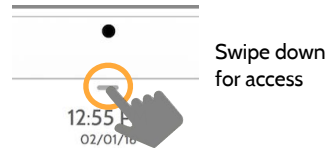
STRENGTH can be: Strong, Good, Poor or No Signal

Note: for EN Grade 2 signal strength shall be "Strong"



| Sensor Signal Info | | RUN |
|--------------------------------------|-----|--------------|
| NO | ID | |
| 9 | 241 | |
| 11 | 140 | |
| Sensor: PowerG Motion (11) | | |
| Current Strength: Strong | | |
| 24 Hrs Strength: Not Available | | |
| Last Updated: 01:44 PM, Aug 06, 2018 | | |
| Repeater: Not Applicable | | |
| TEST LED | | TEST PICTURE |

FIND IT



SETTINGS



ADVANCED SETTINGS



ENTER CODE (1111, 2222)



SYSTEM TESTS



POWERG TEST

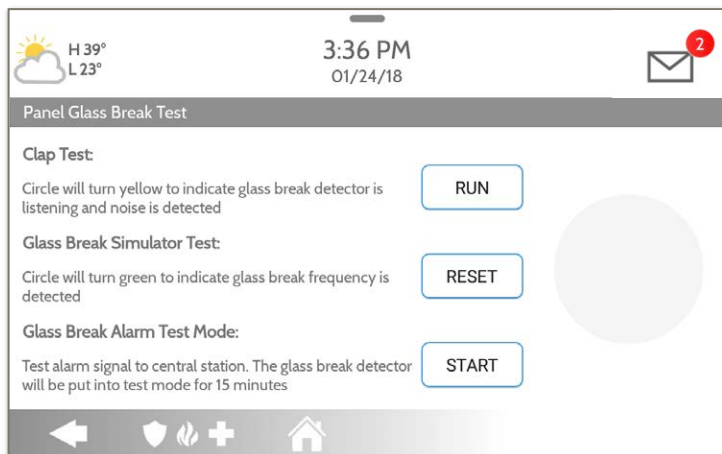
PANEL GLASS BREAK TEST (For North American Market Only - Not functional for CE/EN Grade 2)

FIND IT



Panel Glass Break Test

Test the panel's microphones via a clap test or glass break test. This will ensure the built in detector and microphones are functioning properly when needed. Panel Glass Break must be enabled under Installer Settings to access this test.

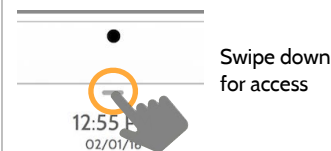


The screenshot shows the 'Panel Glass Break Test' screen. At the top, it displays weather (H 39°, L 23°), time (3:36 PM), and date (01/24/18). Below this is a status bar with a red notification icon. The main content area has three sections: 'Clap Test' with a 'RUN' button, 'Glass Break Simulator Test' with a 'RESET' button, and 'Glass Break Alarm Test Mode' with a 'START' button. Each section includes a brief description of the test. A large grey circle is visible on the right side of the screen. At the bottom is a navigation bar with icons for back, home, and other functions.

Testing

Select "Run" to begin test. Circle will turn **YELLOW** when a successful clap test has been detected and Microphones are listening.

Circle will turn **GREEN** when the panel hears the proper glass break frequency being detected.



Swipe down for access



SETTINGS



ADVANCED SETTINGS



ENTER CODE (1111, 2222)



SYSTEM TESTS



PANEL GLASS BREAK TEST

PANEL GLASS BREAK TEST (For North American Market Only - Not functional for CE/EN Grade 2)

FIND IT



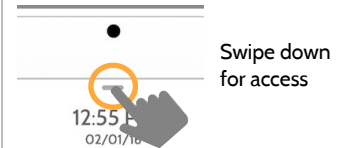
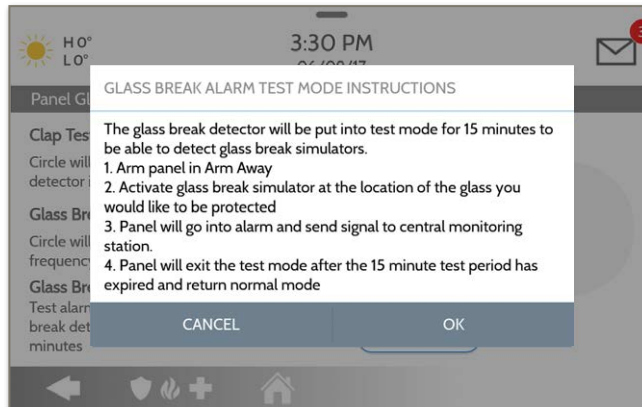
Glass Break Alarm Test Mode

Selecting “Start” will enable a 15 min test mode that allows the panel glass break detector to be tripped using a glass break simulator. Once tripped an alarm will be sent to the central station. Follow the on screen instructions to ensure a proper test.

RUN

RESET

START



Swipe down
for access



SETTINGS



ADVANCED SETTINGS



ENTER CODE (1111, 2222)

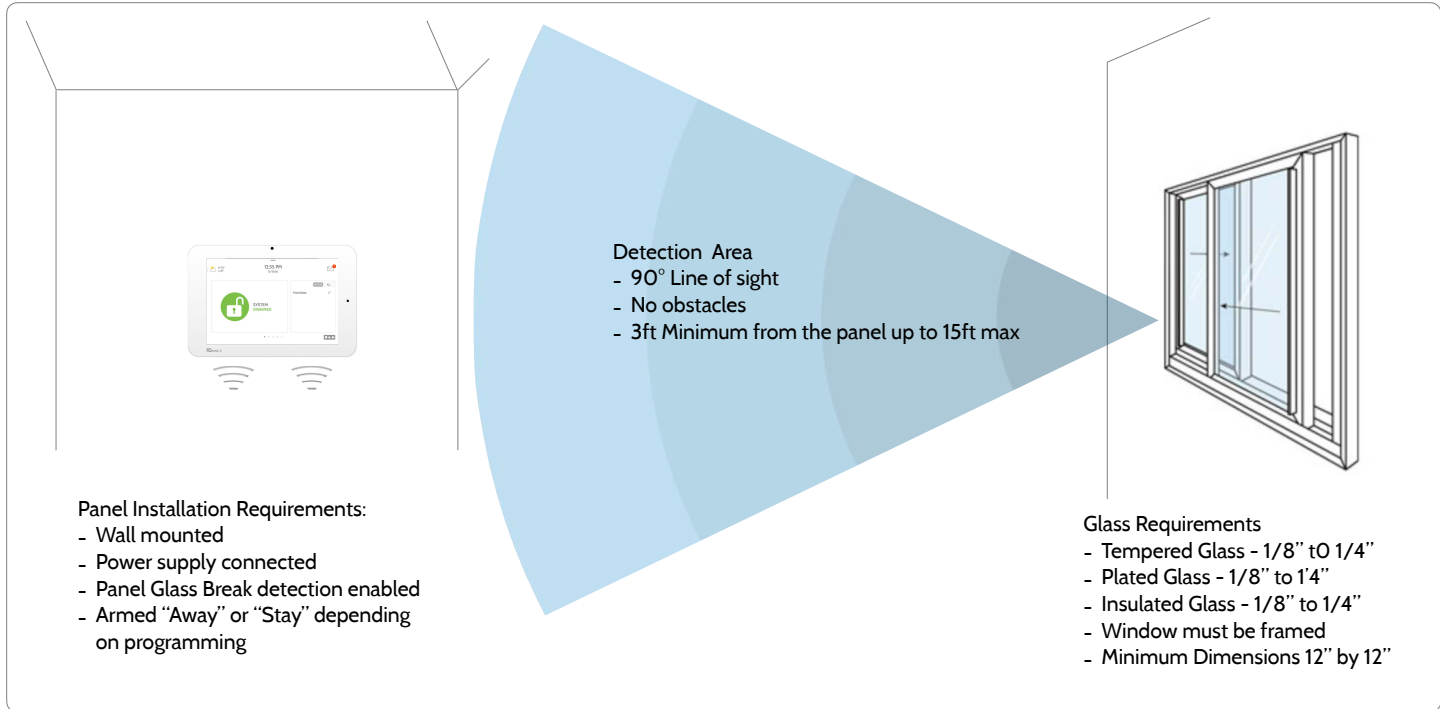


SYSTEM TESTS



PANEL GLASS BREAK
TEST

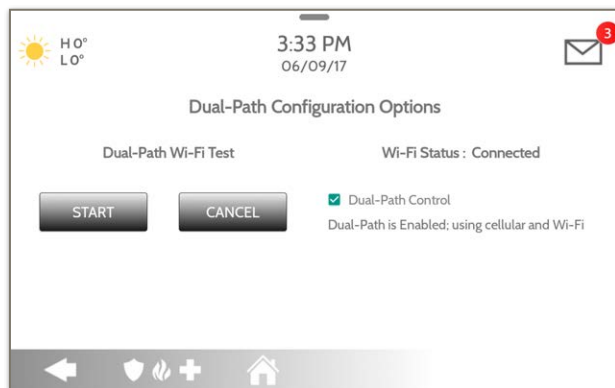
PANEL GLASS BREAK DETECTION REQUIREMENTS



DUAL PATH TEST



When enabled, dual path connectivity allows the IQ Panel 2 to use both cellular and Wi-Fi radios for signals and communication simultaneously.



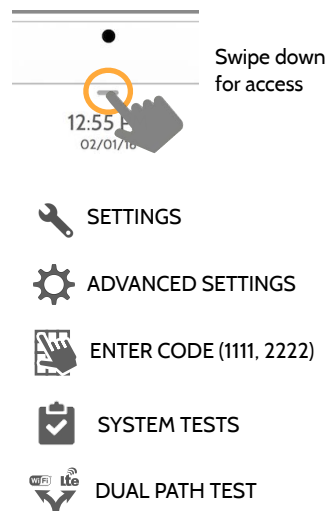
By default Dual-Path Control is enabled. To disable, “un-check” the box.

You can also run a Dual-Path Wi-Fi test to ensure that the Dual Path is connecting properly. Unlike the standard Wi-Fi test (which checks connection to the router) the panel will check the broadband connection to Alarm.com.

NOTE: The IQ Panel 2 must be connected to a wi-fi network to enable Dual Path

NOTE: Wi-Fi is for supplemental use only

FIND IT

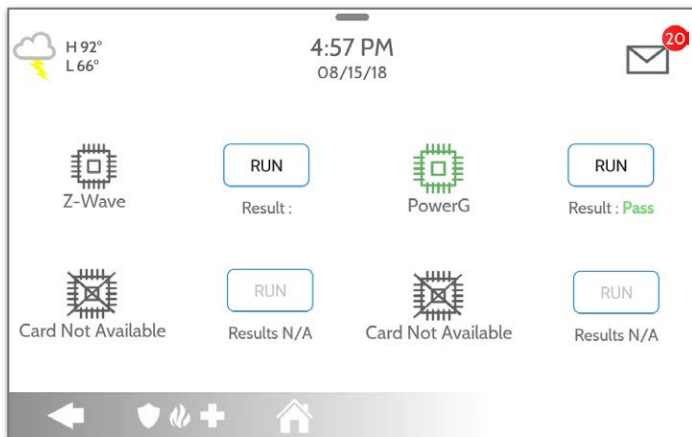


DAUGHTER CARDS TEST



Daughter Cards Test

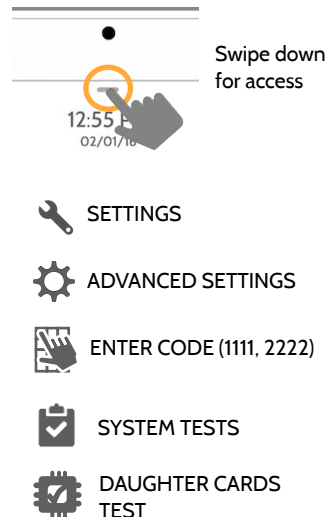
Tests the integrity of installed daughter cards . Slots not populated will be “greyed” out and inaccessible to test.



Select “Run” on an individual available card to start the test. In some cases the test may take several minutes after which the panel will show a result of a “Pass” or “Fail”.

If the test results in “Fail” double check the daughter card connection, reboot the panel and rerun the test again.

FIND IT



PANEL TEST



Panel Test

Runs through and tests all panel processes either all at once or one at a time.

H 80°
L 55°

1:14 PM
09/28/16

| TEST NAME | TEST RESULT | TEST TIME | |
|-------------|-------------|------------------------|----------------|
| Arm-Disarm | Pass | 01:11 PM, Sep 28, 2016 | <div>RUN</div> |
| Camera | Pass | 01:09 PM, Sep 28, 2016 | <div>RUN</div> |
| Photos | Fail | 01:11 PM, Sep 28, 2016 | <div>RUN</div> |
| Help Videos | Pass | 01:09 PM, Sep 28, 2016 | <div>RUN</div> |

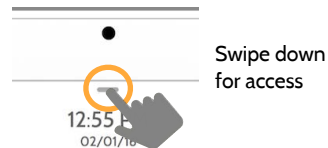
RUN ALL

CLEAR ALL

Select “Run” to perform an individual test or “Run All” to perform a test of all processes.

Running all tests at once will sound the siren.

FIND IT



SETTINGS



ADVANCED SETTINGS



ENTER CODE (1111, 2222)



SYSTEM TESTS



PANEL TEST

CUSTOMIZATION

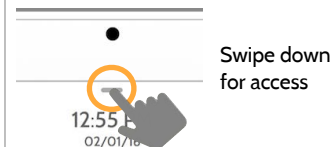
USER MANAGEMENT



The IQ Panel 2 can hold up to 242 user codes. Only Dealer, Installer and Master user codes can create or edit user codes. Once a code is created, all information can be edited, except for the “User Type”.

| User Type | Access Level | Partition Access |
|-----------|--|---|
| Dealer | All settings as well as Master Reset and access to change Dealer Contact information | All Partitions |
| Installer | All Settings | All Partitions |
| Master | All user-related features and Settings, including connecting to Wi-Fi, User Management, Sound App and Sensor customization | All Partitions |
| User | Arming/Disarming | A user may only access their assigned partition |
| Guest | Arming/Disarming | A user may only access their assigned partition |
| Duress | Disarming (but sends duress signal to security provider). | Each partition gets a unique Duress Code |

FIND IT



SETTINGS



ADVANCED SETTINGS



ENTER CODE (1111, 2222)



USER MANAGEMENT

NOTE: When “6 Digit User Code” is ENABLED a “00” will be appended to all existing 4 digit codes

DEALER BRANDING*



Dealer Branding

Here you can customize the Dealer Contact info, Logo, Help Videos and Billboard for any branding needs.



Contact Info

Edit Dealer Name, Email, Phone #, Zip Code, Website and Tag lines



Load Help Videos

Replace or add help videos to assist with end user troubleshooting



Load Custom Logo

Add your company's logo to the panel replacing the envelope.



Dealer Branding Settings

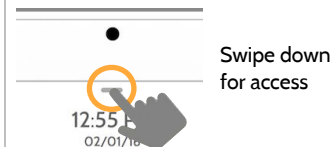
Enable/Disable On-Screen Billboard photo lock feature



On-Screen Billboard

Add advertising images to the photo frame which cannot be deleted by a user.

FIND IT



Swipe down for access



SETTINGS



ADVANCED SETTINGS



ENTER CODE (2222)



DEALER BRANDING

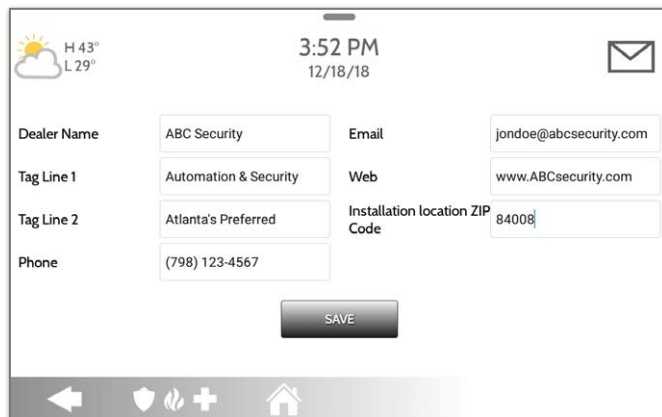
*This page available only through the Dealer Code

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.



The screenshot shows a mobile app interface for editing contact information. At the top, there's a weather widget (H 43°, L 29°), a clock (3:52 PM, 12/18/18), and an envelope icon. Below this is a form with the following fields:

| | | | |
|-------------|-----------------------|--------------------------------|------------------------|
| 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 | | |






A "SAVE" button is located at the bottom of the form. At the very bottom of the screen is a navigation bar with icons for back, home, and other functions.

Example:

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

FIND IT



-  SETTINGS
-  ADVANCED SETTINGS
-  ENTER CODE (2222)
-  DEALER BRANDING
-  CONTACT INFO

*This page available only through the Dealer Code

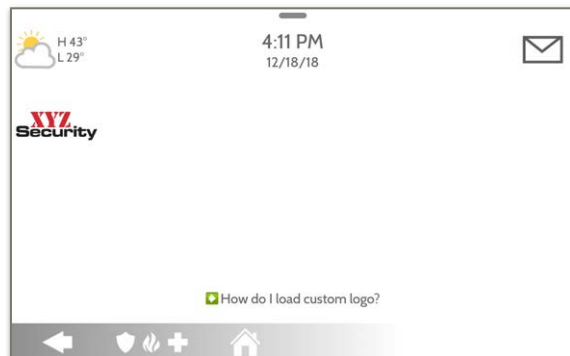
DEALER BRANDING*

FIND IT



Load Custom Logo

Load a custom dealer logo on to the Panel via micro SD Card. This image will replace the “envelope” icon in the upper right hand corner of the display.



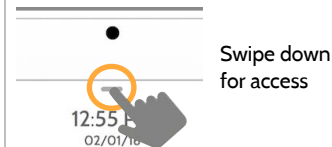
NOTE: Before removing the SD Card, go to “Settings” then touch “SD Card” and select “Unmount”

Load Custom Logo Steps:

1. Load logo* onto an SD Card
2. Insert the SD Card into the panel
3. Go to the Dealer Branding section on the panel
4. Touch “Load Custom Logo”
5. Touch the thumbnail of the logo you wish to load
6. Touch OK

Logo requirements:

- Saved in folder entitled “logo”
- 200 x 100 pixels (or less)
- JPEG or PNG



SETTINGS



ADVANCED SETTINGS



ENTER CODE (2222)



DEALER BRANDING



LOAD CUSTOM LOGO

***This page available only through the Dealer Code**

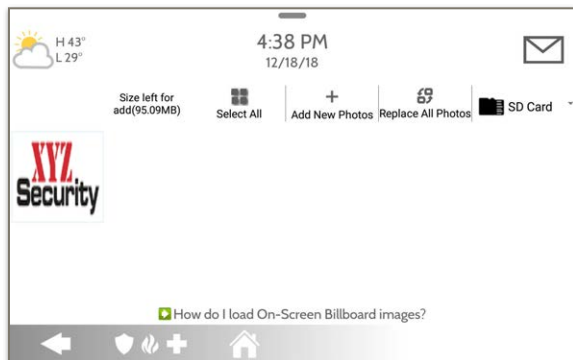
DEALER BRANDING*

FIND IT



On-Screen Billboard

Load and lock up to 4 full-screen Dealer photos via micro SD Card as part of the photo frame screensaver. Dealer photos cannot be deleted by an end user.



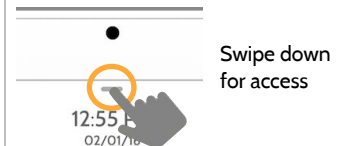
NOTE: Before removing the SD Card, go to “Settings” then touch “SD Card” and select “Unmount”

Load On-Screen Billboard Photos:

1. Load photos* onto an SD Card
2. Insert the SD Card into the panel
3. Go to the Dealer Branding section on the panel
4. Touch “On-Screen Billboard”
5. Touch the thumbnails of the photos you wish to load
6. Then choose “Add New” or “Replace All”

Photo requirements:

- Saved in folder entitled “billboard”
- 1280 x 800 pixels (or less)
- JPEG or PNG



SETTINGS



ADVANCED SETTINGS



ENTER CODE (2222)



DEALER BRANDING



ON-SCREEN BILLBOARD

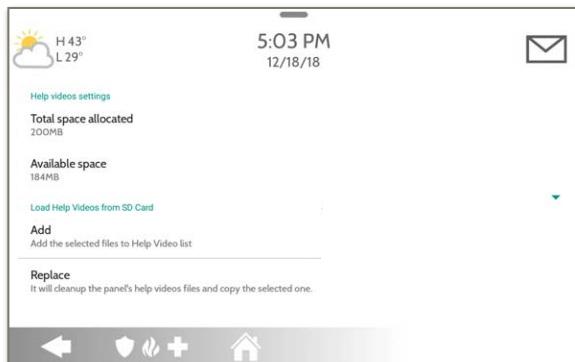
*This page available only through the Dealer Code

DEALER BRANDING*



Load Help Videos

Upload custom help videos with an SD Card. Make your own troubleshooting videos for your customers or use our built-in videos.



NOTE: Before removing the SD Card, go to “Settings” then touch “SD Card” and select “Unmount”

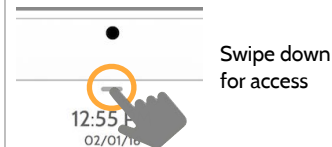
Load Help Videos:

1. Load videos* onto an SD Card
2. Insert the SD Card into the panel
3. Go to the Dealer Branding section on the panel
4. Touch “Load Help Videos”
5. Then choose “Add” or “Replace”

Video requirements:

- Saved in folder entitled “videos”
- Aspect ratio: 1280 x 800
- File Type: .m4v
- Total Storage Space: 200MB

FIND IT



SETTINGS



ADVANCED SETTINGS



ENTER CODE (2222)



DEALER BRANDING



LOAD HELP VIDEOS

*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)

Activate WIFI



Now Communications



Qolsys



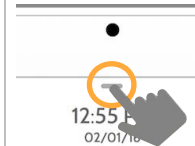
Sunset Room



Vertical Ops 2.4

+ Add wi-fi network

FIND IT



Swipe down
for access



SETTINGS



ADVANCED SETTINGS



ENTER CODE (1111, 2222)



WI-FI

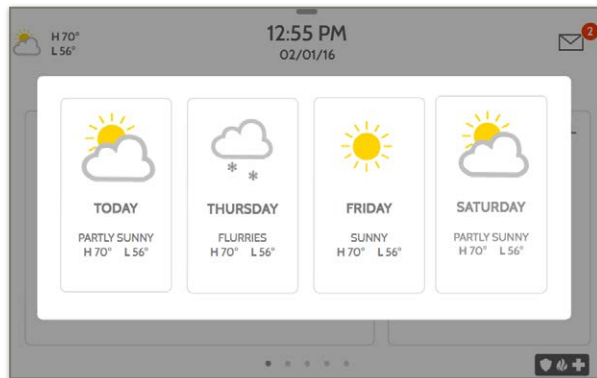
WEATHER



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



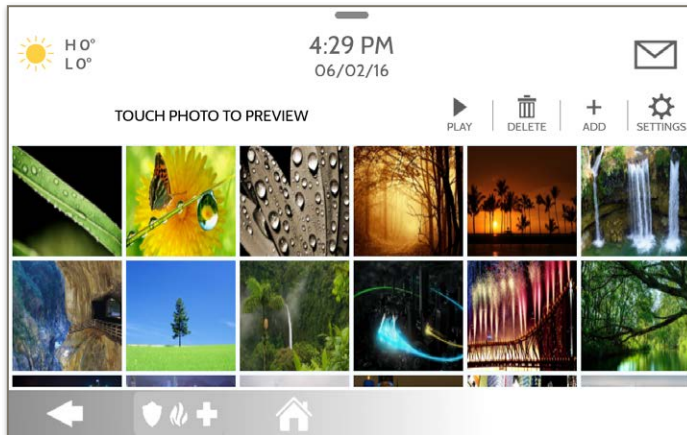
Touch the weather icon in the upper left corner of the header to reveal a 4 day forecast

PHOTO FRAME



PHOTO FRAME

The IQ Panel 2 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).



SETTINGS

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



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

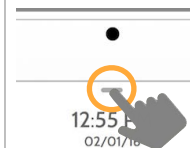
ADD PHOTOS: Add new photos using an SD card or download one of several “Wi-Fi” photo sets using your panel’s WiFi connection



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

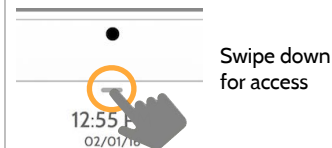
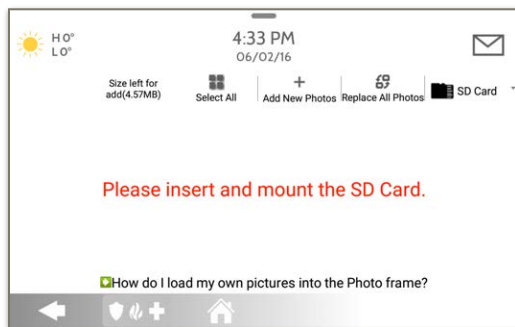


PHOTO FRAME



PHOTO FRAME SETTINGS

LOAD IMAGES FROM SD CARD



Card will slide all the way in.
To remove, push gently and card will spring out.

To load new images from an SD card:

- 1- Load photos* onto an SD Card
- 2- Insert the SD Card into the panel
- 3- Open the “Photo Frame” app
- 4- Press “Add Photos”
- 5- Choose “Replace All Photos” or “Add New Photos”
- 6- Wait for the images to load
- 7- Once loaded, you can press “Play” to test.

NOTE: Before removing the SD Card, go to “Settings” then touch “SD Card” and select “Unmount”

FIND IT

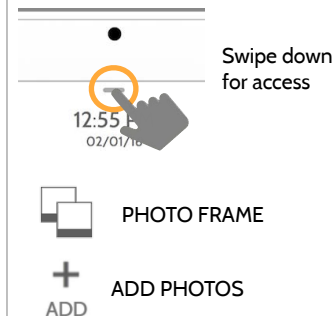


Photo requirements:

- JPEG
- 1280 x 800 pixels (or less)
- No larger than 5MB each
- No more than 20 images
- Saved in folder entitled “Photos”

MAINTENANCE

UPGRADE SOFTWARE

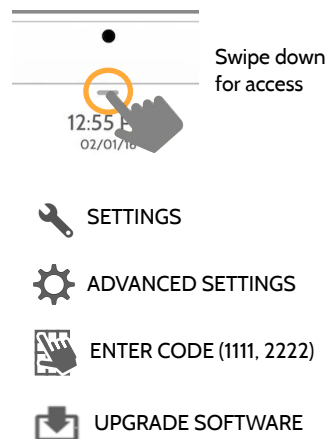


Upgrade Software

Upgrade the panel's software version using Wifi or an SD Card.

| Setting | Description |
|---|---|
| Upgrade Using Network | Search the network for updates and install new software NOTE: For EN Grade 2, remote software uploading is not allowed |
| Upgrade Using SD Card | Search an inserted SD Card for updates and install new software |
| Update Configuration Using SD Card | Search SD Card for settings configuration template and update panel settings using it |
| Downgrade Using Network | With the proper Patch Tag the system can be properly downgraded |
| 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 2 will look for software update. Available options are Every Night, Once a Week, Once a Month. Default Once a Week |

FIND IT



NOTE: Proper maintenance requires prompt administration of any software updates

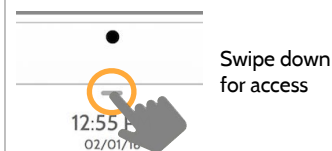
UPGRADE SOFTWARE USING WI-FI

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 2 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



SETTINGS



ADVANCED SETTINGS



ENTER CODE (1111, 2222)



UPGRADE SOFTWARE

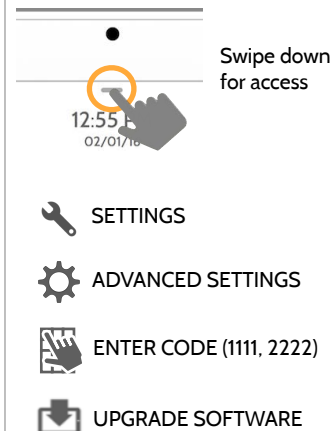
NOTE: For EN Grade 2 the remote software feature shall not be used and the panel shall not be setup to remotely upgrade.

SOFTWARE UPDATES VIA SD CARD

- 1- Insert an SD card into your computer. (**We recommend a class 4 or higher SDHC card with 4gb - 16gb storage space*)
- 2- Download the current software from dealers.golsys.com (*requires login*)
- 3- Once the file is downloaded, right click the file and select "Unzip" or "Open"
- 4- Drag all files to your SD card. Delete ANY other files, and safely remove the SD card from your computer
- 5- Slide your SD card into the slot on the upper right side of the IQ Panel 2.
- 6- From the drop down menu Touch "Settings"
- 7- "Advanced Settings" and enter a valid Installer code (*default is 1111*)
- 8- Touch "Upgrade Software"
- 9- Touch "Upgrade using SD Card"
- 10- The panel will search the SD Card for the patch and begin downloading it automatically.
- 11- Once complete touch "OK" to reboot the panel. DO NOT TOUCH THE SCREEN. The process will take about 5 minutes and the LED may turn red, screen may turn off, etc. After the panel reboots the home screen will appear and the LED will turn green. For the next 5 minutes the panel will update the backup partition. Do not power down or use the panel during this time
- 11- Eject the SD Card: ("Settings" then touch "SD Card" then "Unmount SD Card"

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

FIND IT



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)

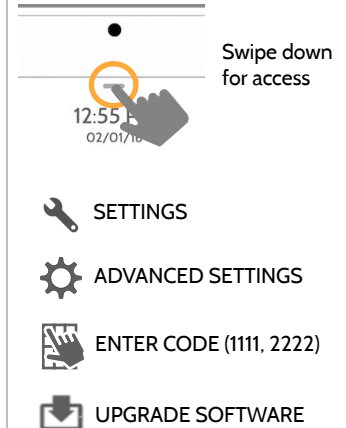
Touch "Upgrade Software"

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

Change update interval by selecting "Automatic Check Interval"

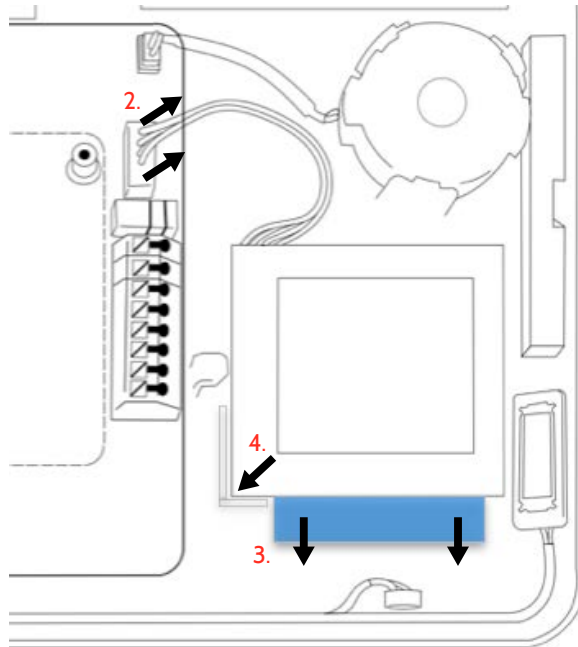
 **QUESTIONS?** Contact us at techsupport@qolsys.com

FIND IT



BATTERY REPLACEMENT

Note: For For EN50131 Grade2 compliant installations, the battery is no longer replaceable. This device and Lithium Battery shall be recycled and disposed of in accordance with European Directives including any other National and Local Regulations and Laws.



1. **Power down panel:** Go to 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 the blue tab from under the battery downwards. This will peel away the tape holding the battery in place.
4. **Install New Battery:** Remove the protective film from the adhesive tape on the back of the battery and seat the battery into the bottom lefthand plastic corner. Plug the battery connector back into the board.

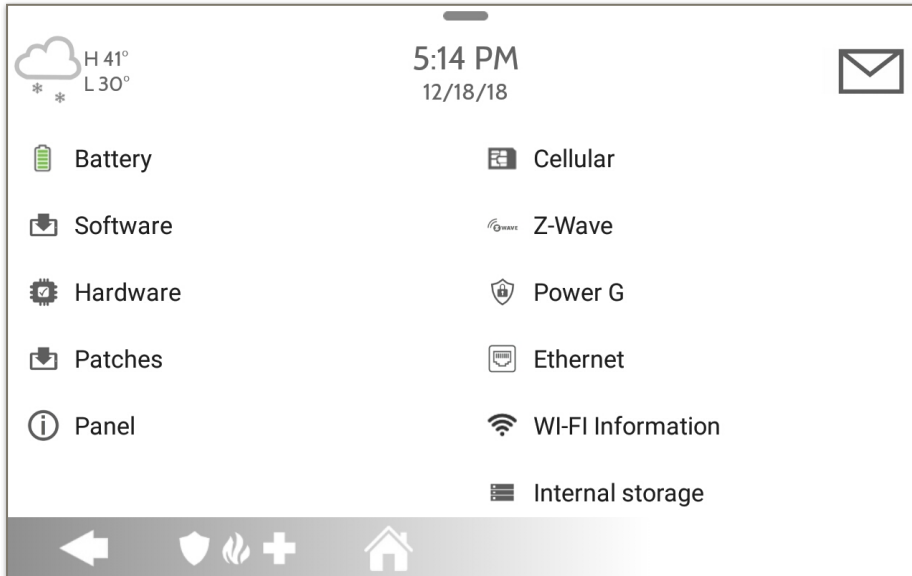
CAUTION:

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

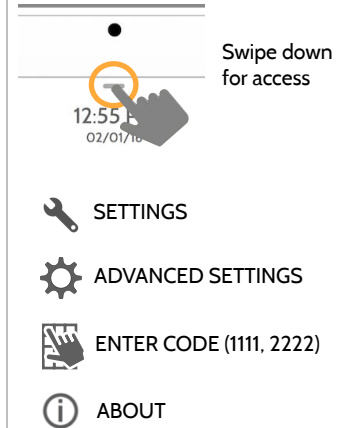
Do **NOT** pull on the battery cable to try and remove battery.

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: Image Sensor 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/6 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: |
| PowerG | Modem Firmware Version Modem Build Number Radio Firmware Version | Radio Software ID PowerG RF Band |
| Ethernet (Not Available for CE/EN Grade 2) | Connection: Connected/Disconnected IP Address: Panel's IP Address when connected | Internet: Can the panel communicate outside the home. Available/Unavailable |
| 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 |

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.

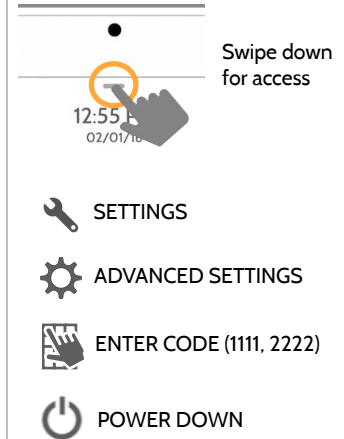
1. From the drop down menu select “Settings”.
2. Select “Advanced Settings” then enter your installer code
3. Select “Power Down”
4. Wait for panel LED to turn off
5. Disconnect the power

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



PANEL REBOOT

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

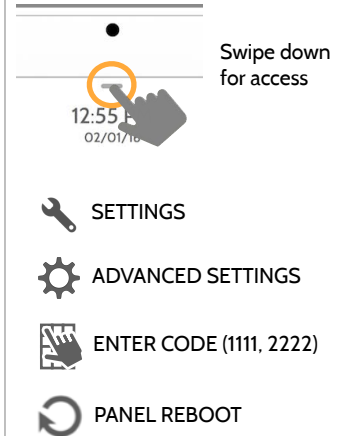
1. From the drop down menu select “Settings”.
2. Select “Advanced Settings” then enter your installer code
3. Select “Panel Reboot”
4. Wait for the panel to restart

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

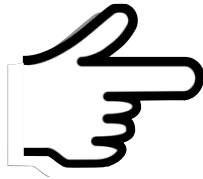


QUESTIONS? Contact us at techsupport@qolsys.com

FIND IT



HARD REBOOT



x 30 sec

IMPORTANT: Performing a hard reset 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 or an SD card |
| Help Videos | Checks help videos are installed in the panel. | 1) Go to Settings/Advanced Settings/Installation -> Load Help Videos 2) Load All the Help videos in SD card and insert it into panel 3) Add the selected files from SD card to help videos list on the panel |
| 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 |

CANNOT LOAD HELP VIDEOS

If your panel cannot load a help video you will receive an error message. Please ensure that your video(s) meet the requirements:

Acceptable File types:

.m4v

Total storage space:

200MB

NOTE: videos look best

in aspect ratio

1280 x 800

LEGAL

Important warning and information can be found on the interior and exterior of the panel's mounting plate.



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 |
|-------------------------|---------------|
| 868.0MHz - 868.6 MHz | 15mW |
| 868.7MHz - 869.2 MHz / | 15mW |
| 2400-2483.5MHz | 0.100W |
| UMTS I/LTE B1 2100MHz | 0.25W |
| UMTS VIII/LTE B8 900MHz | 0.25W |
| LTE B20 700MHz | 0.25W |

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

The panel shall be replaced and recycled and disposed in accordance with European Directives including any other National and Local Regulations and Laws when the battery reaches its' end of life of 3+ years.

EN COMPLIANCE STATEMENT

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

This product, IQPanel 2, 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, EN50131-3:2009, EN50131-4: 2019, EN50131-10: 2014, EN50131-6:2017 Type A, EN50136-1:2012, EN50136-2:2013 ATS category SP2, DP1.

For EN50131 compliant installations, with alarm control panel IQPanel2, 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

UK: The IQPanel2 is suitable for use in systems installed to conform to PD6662:2017 at Grade 2 and environmental Class I. BS8243:2010 + A1:2014.

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
- “Partitions” 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 2 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 2 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 2 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 2 integral communicator conforms with radiated emissions levels for Class B equipment as per standards EN61000-6-3/EN55032/CISPR32.
4. The IQ Panel 2 integral communicator has one cellular communication path using 900/1800/2100 MHz Public Cellular Network and one Wi-Fi 2.4GHz communication path. It can use on the cellular path (SP2) or both in backup configuration (DP1, using cellular as primary path and Wi-Fi as back-up).
5. The IQ Panel 2 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 2 integral communicator has been tested for compliance in conjunctions with the following applicable standards: EN50136-1:2012, EN50136-2:2013, EN50131-10:2014, ATS configuration: SP2 and DP1.

For EN50131-1:2006/A1:2009/A2:2017 compliant installations, the following programming options shall be set as described:
Test transmission interval set to 24h for SP2 and DP1 configuration.

IQ Panel 2 integral communicator has been certified by Telefication in accordance with EN50131-1:2006/A1:2009/A2:2017, EN50131-10:2014 requirements for Grade 2, Class I and EN50136-2:2013 Configuration: SP2, DP1.

SPECIFICATIONS

SPECIFICATIONS



| Items | Parameters | IQ Panel 2 |
|--------------|------------------|---|
| Platform | Android OS | Android 5.1 |
| LCD Display | Size | 7" (~17.8 cm)LCD |
| | Resolution | 1280 x 800 |
| | Brightness | 300 cd/m2 |
| | RGB | 24bit |
| 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 digits codes, up to 999.998 combinations of codes available. Codes disallowed: 000000 and 000001. |
| Wireless | WiFi | Wi-Fi 802.11 a/b/g/n/ac 2.4ghz - including built-in router capability |
| | Z-Wave | Supports up to 152 devices (80 lights, 15 Smart Sockets, 20 Locks, 10 Thermostats, 21 Misc, 6 Garage Doors) |
| | Cellular | LTE (Bands 1, 8, 20) |
| | Security R/F | Up to 128 RF Zones (PowerG 868MHz) |
| Flash Memory | Internal Storage | 12GB NAND Flash |
| SD Card Slot | Push-Push | Micro SD slot x 1 |

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

SPECIFICATIONS



| Items | Parameters | IQ Panel 2 |
|---------------|--------------------------------|--|
| LED Indicator | Status LED | Green (Disarmed), Red (Armed). Note: not enabled for EN50131 certified systems |
| Speaker | Stereo 1W x 2 | Stereo speakers (unified audio) |
| Camera | Front Camera | 5MP fixed focus |
| Microphone | Microphone | Stereo microphones x 2 |
| Siren | Piezo | SPL minimum 85dB. Type Z as per EN50131-4: internal, self-powered |
| Tamper | Tamper Switch | Reporting tamper release button |
| Battery | Type | 3.8v Lithium Polymer 1715 mAh. Low battery threshold: 3.5V and 10% indication for battery capacity |
| Buttons | Standby | Right side button used for sleep/wake, hard reboot, and clean screen cancel |
| Mechanical | Dimension | 5"H x 7.75"W x .75"D (195mm x 130mm x 23mm) |
| Mechanical | Weight | 0.4 kg |
| Power Supply | AC/DC External Plug-in Adapter | Output: 7vDC 1A, Input 230VAC -10%/+15% /0.7A/50Hz (for CE/EN Certified Systems). Current consumption during set & unset procedure: 340mA; quiescent current: 125mA; max current in alarm mode: 1078mA. Control Panel and power supply are suitable for installation only within the protected premises. |
| Standby Time | | 12 h. (Battery recharge time (up to 80% of capacity): 72 h. Energy level of battery in its charged state is 100%.) |
| Mount | Back Plate | Wall mount or table top (stand included). For EN50131 certified systems only wall mount is allowed. |
| 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 -10°C to Max 55°C EN50130-5 Class I - Indoor ordinary location |

SUPPORTED POWER-G SENSORS



| Detector Type | Model |
|---|---|
| Ceiling Mount Detector | MP-862/MP-872 / PG8862/PG8872 / BW-862 |
| Door/Window | MC-302E / PG8945 / BW-MCN |
| Door/Window - Shock Sensor | SD-304 / PG8935 / BW-SHK |
| Dual Tech (PIR+Microwave) Motion Detector | Tower-32 AM / PG8984(P) / BW-DTM |
| Flood Detector | FLD-550(1) / PG8985 / BW-FLD |
| Glassbreak Detector | GB-502 / PG8922 / BW-GBD |
| Keyfobs | KF-234/KF-235/PB-101/PB-102 / PG8929/PG8939/PG8938/PG8949 / BW-RCH/BW-PB1/BW-PB2 Note: AES128 encryption used, Over 1.000.000 combinations of unique identification codes available. |
| Keypads | KP-241 / WK241 / WS9LCDWF8 / BW-241 |
| Outdoor Motion Detector | Tower-20 AM PG2/Tower Cam PG2/MP-902 / PG8994/PG8944/PG8902 / BW-OTD / BW-ODC / BW-902 |
| Outdoor Magnetic Contact | MC-312 / PG8312 / BW-312 |
| PIR Motion Detector | MP-802/Tower-30 AM/NEXT CAM (K9)/CLIP PG2 / PG8914/PG8974(P)/PG8934(P)/PG8924 / BW-802/BW-IRC/BW-IPC/BW-IRT |
| Sirens | SR-720B/SR-740/SR-740 HEX / PG8901 BATT/PG8911A BATT/PG8911B BATT/BW-SRI/BW-SRO |
| Smoke Detector | SMD-429 / PG8936 / BW-SMD |
| Temperature Sensor | TMD-560 / PG8905 / BW-TMD |
| Wireless CO Detector | GSD-442 / PG8913 |
| Wireless Repeater | RP-600 / PG8920EU / BW-REP |
| Vanishing Door/Window Contact | MC-303 / PG8303 / BW-303 |

