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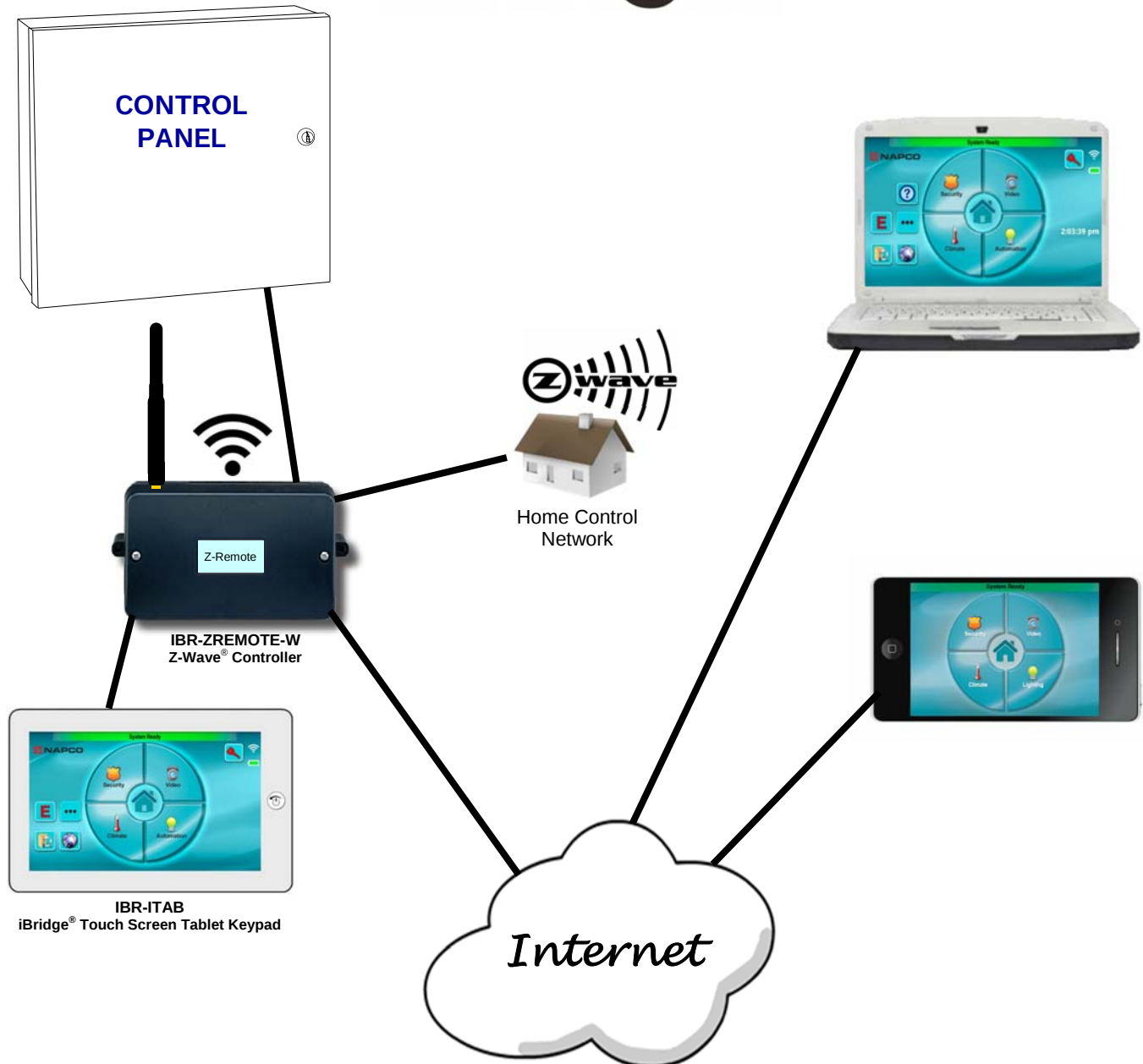
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iBridge® Suite Quick Start

Installing the IBR-ZREMOTE-W Z-Wave® Controller, ISEE-WAP Wireless Access Point and the IBR-ITAB Wireless Touchscreen Tablet

WI2174A 02/16

iBridge®



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Overview of the NAPCO iBridge® IBR-ZREMOTE-W Z-Wave® Controller

General Overview

The iBridge® **IBR-ZREMOTE-W** is a Local and Remote Control Module and Z-Wave® Controller that allows control of security, video, locking, lighting and climate control from inside or outside your home. Z-Wave devices may be enrolled, removed and formed into a Z-Wave wireless home control network, and also integrated with Napco's iBridge suite of services that includes access to the iSeeVideo remote video Internet monitoring system.

Compatibility with the iSeeVideo VideoAlert system allows an email or text message to be sent when a selected control panel event occurs. In addition, acting as a wireless Z-Wave controller, the **IBR-ZREMOTE-W** can trigger Z-Wave network devices upon control panel events. For example, upon system arming the **IBR-ZREMOTE-W** can turn lights on or off, adjust thermostats, email video clips, etc.

The **IBR-ZREMOTE-W** is wired to the control panel keypad bus, and continually monitors all changes to the status of the system and triggers actions based on user or dealer entered programming.

Note: This device is a security enabled Z-Wave product that is able to use encrypted Z-Wave messages to communicate to other security enabled Z-Wave products. This product can be included and operated in any Z-Wave network with other Z-Wave certified devices from any other manufacturers. All constantly powered nodes in the same network will act as repeaters regardless of the vendor in order to increase reliability of the network. For an **iBridge Z-Wave Evaluated Device List**, see our website at www.napcosecurity.com/ibridge.html.

iBridge Online

To access the **IBR-ZREMOTE-W** remotely via PC, tablet or smart phone, or to provide remote services for a customer, the dealer must have an iBridge online account. Go to www.ibridgeonline.com to access your existing account or register for a new account. Device apps are available for iPhones, iPads and Android devices from their respective apps markets.

Remote Control

With the **IBR-ZREMOTE-W**, actions performed at the keypad can be performed remotely. Add the **IBR-ZREMOTE-W** to a Napco control panel by simply programming an additional keypad address into the control panel, set the **IBR-ZREMOTE-W** to this new keypad address and enroll the **IBR-ZREMOTE-W** into your subscribers account.

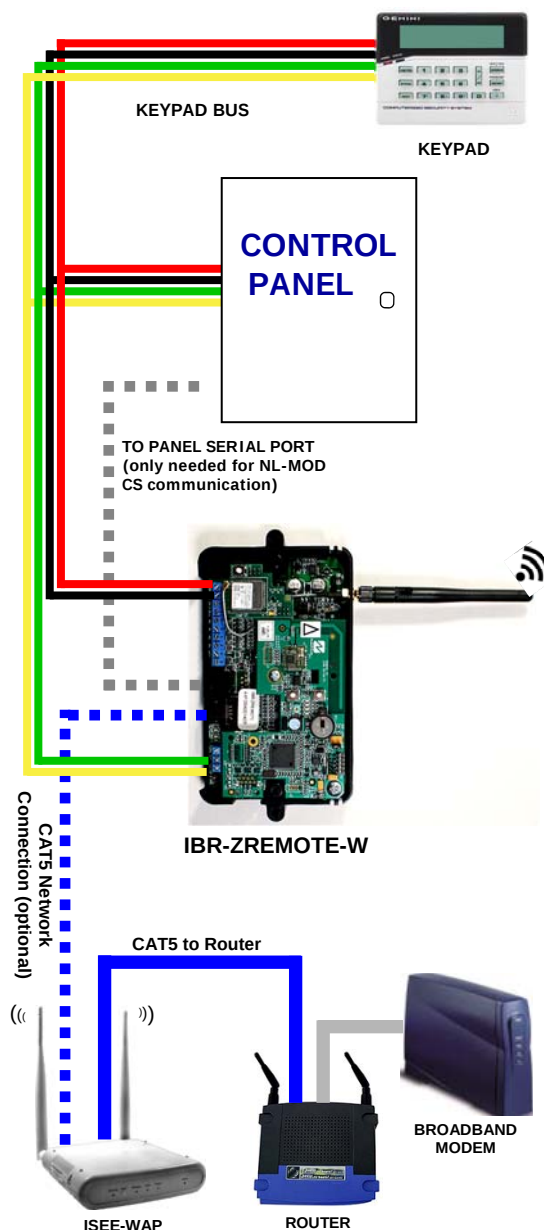
Alarm Reporting

The **IBR-ZREMOTE-W** is also an Internet reporting module, capable of reporting alarms and events to any central station equipped with the Napco NetLink NL-RCV-RMPCUL central station receiver or NetLink NL-CSRCV central station software application. The **IBR-ZREMOTE-W** also permits high speed upload/download of the control panel through the Internet (see the section "**TCP/IP REMOTE AND LOCAL COMMUNICATIONS**" on page 15). Also refer to *Setting Up an IP Communicator & Using TCP/IP for Uploading and Downloading IBR-ZREMOTE / iREMOTE-MOD / NL-MOD-UL Quick Start Guide (WI2139)* for details.

Overview: Home Control Network

A home control network is a system used for controlling lights, appliances, air conditioning, heating, burglary alarm systems and other devices within a home or office. Z-Wave is a reliable and robust wireless home control network standard created by Zensys, Inc. (www.zen-sys.com), operating within an interconnected "mesh" network where at least two pathways exist for each device (thus if one pathway fails, another is still available). In addition, Z-Wave devices operate within the 902-928 MHz band, and therefore will not interfere with Wi-Fi and other devices using the 2.4 GHz band.

The simplest Z-Wave network consists of a primary "controller" and single controllable device or "node" such as a light



switch, thermostat, etc. Additional controllers and devices can be "included" into (or "excluded" from) the network at any time, usually by means of button presses on both the controller and the device. The **IBR-ZREMOTE-W** module can act as a "primary" controller to set up and maintain the network, or can act as a "secondary" controller within an existing Z-Wave network previously started by a "primary" controller (from any manufacturer).

Note: As the signal strength between the **IBR-ZREMOTE-W** controller and its devices is crucial, we recommend all devices be mounted in their final installed locations before they are included into the network.

Ordering Information

- **IBR-ZREMOTE:** Bus-Mount Module for remote control, up/download of security system, plus control of Z-Wave devices, lights, locks, thermostats, etc.
- **IBR-ZREMOTE-W:** Same as above **IBR-ZREMOTE**, but connects to network with optional Wi-Fi link to the **ISEE-WAP** (or directly to the customer's router), eliminating this Ethernet cable connection. The **IBR-ZREMOTE-W** can then be configured via the existing NL-MODCONFIG software or by a new "Configuration Web Interface" using a web browser on a wireless laptop or smartphone.
- **IBR-ITAB:** iBridge Wireless Touchscreen Tablet with mounting frame and charging station.
- **IBR-ITABKIT** Kit: iBridge Wireless Touchscreen Tablet with mounting frame/charging station plus Wireless Access Point (ISEE-WAP).
- **IBR-ITAB-HW:** Hardwired iBridge Touchscreen Tablet version for permanent mounting and for a more conventional hardwire installation.
- **ISEE-WAP:** Wireless Access Point for wireless communication between IBR-ITAB and wireless cameras.
- **IBR-ITABSTAND:** Angled tabletop stand/docking

station for use with IBR-ITAB Touchscreen (not included). Décor-neutral and ideal for bedrooms, kitchens, desks, etc.

For an **iBridge Z-Wave Evaluated Device List**, see our website at www.napcosecurity.com/ibridge.html. Although all Z-Wave appliances should comply with the Z-Wave standard, we recommend that you install only Napco evaluated devices, especially the more complex devices such as thermostats and door locks.

IBR-ZREMOTE-W Specifications

Dimensions: 1½" x 7" x 4¾" (H x W x D)

Input Voltage: 13.0-10.0VDC.

Input Current: @ 12VDC = 200mA typical, 300mA maximum during transmissions @12V (supplied by control panel connections).

Available panel combined auxiliary current is reduced by 200mA.

Outputs: PGM-style open collector (negative trigger) with a maximum sink current of 50mA.

Factory Default Settings

The **IBR-ZREMOTE-W** factory default settings for its internal modules are:

- Account ID = FFFFFFFF
- LOCAL LAN IP = Defaults to DHCP
- Dealer ID = NAP0000
- Keypad Address = 1
- Keypad Type = RP1CAe2
- PC Preset / DNS IP Address = 72.3.180.2
- PC Preset / DNS Port = 5002
- PC Preset / DNS Check-In Time = 1
- iBridge Server IP Address = 208.109.208.163
- iBridge Server Port = 5011

TO RESTORE IBR-ZREMOTE-W MODULE TO FACTORY DEFAULT SETTINGS

If you wish to restore the **IBR-ZREMOTE-W** to its factory default settings, proceed as follows:

1. Remove power from the **IBR-ZREMOTE-W**.
2. Remove jumper **JP2** (located on the lower PC board towards the top left labeled "REMOVE J2 TO LOAD DEFAULTS").
3. Re-apply power. Wait 60 seconds.
4. Replace jumper **JP2**.

The factory default configuration data will be loaded. The Inputs (**IN0-IN3**) will be set to *active low*, and PC Preset / RCM parameters will also be set to the original factory default configuration.

TO RESET CONFIGURATION WEB INTERFACE USERNAME & PASSWORD

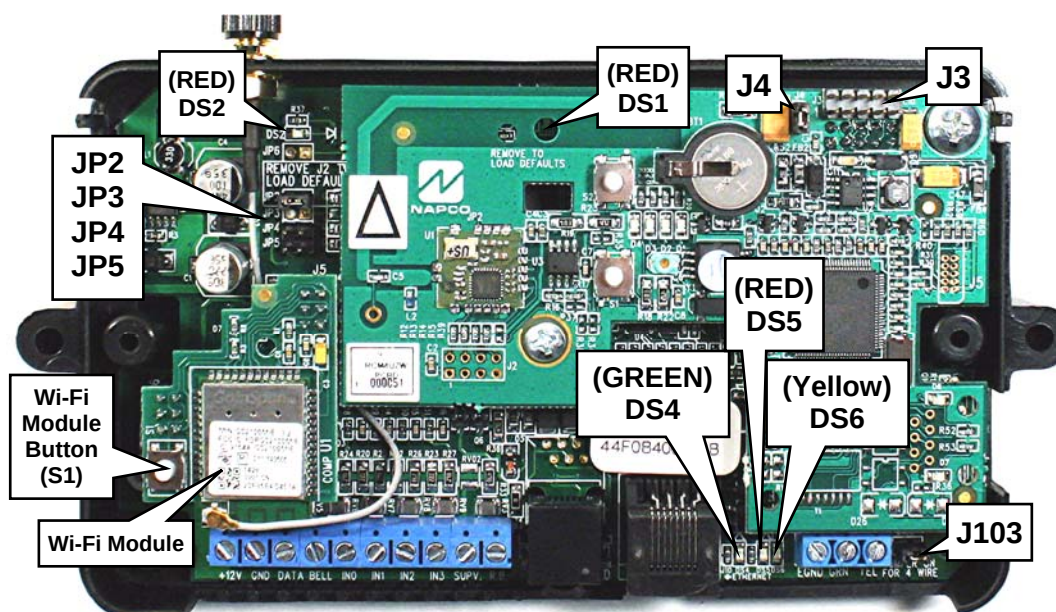
If you forgot or otherwise lost the Username and/or Password for the **Configuration Web Interface**, proceed as follows:

1. Remove power from the **IBR-ZREMOTE-W**.
2. Remove jumper **JP5** (located on the lower PC board towards the top left).
3. Re-apply power. Wait 10 seconds.
4. Replace jumper **JP5**.

The Username and Password will be set to:

- Default Username = admin
- Default Password = admin

LEDs, Jumpers, Socket and Button Locations



LED Indications

DS1 - Red

- Slow Pulse = No troubles
- On Steady = Trouble (see other LEDs for condition)
- Off = No power

DS2 - Red

- Fast Flash = Sending alarm to NetLink receiver
- On Steady = Communicating to control panel

DS4 - Green

- Off = No network cable detected
- Fast Flash = No IP connection, and attempting to get DHCP IP address
- Slow Flash = Normal operation

Blink Count:

- 1 = Static IP
- 2 = DHCP (if unable to acquire IP address via DHCP after 5 minutes, converts to Auto IP)
- 3 = Auto IP Acquisition Mode

DS5 - Red

- Off = Wi-Fi not in use; Ethernet cable required for network link
- Fast Flash = Power-up (when flashing with DS4)

On Steady = "Wi-Fi Setup Mode"

Slow Flash = Active Wi-Fi connection between the **IBR-ZREMOTE-W** and the customer's wireless router (or ISEE-WAP). Upon the Wi-Fi connection, the signal strength is displayed:

Blink Count:

- 4 = Exceptional signal strength

- 3 = High signal strength
- 2 = Medium signal strength
- 1 = Unacceptable signal strength; relocate unit

DS6 - Yellow

- Off = No troubles
- Slow Flash = (see below)

Blink Count:

- 1 = Network cable not detected
- 2 = PC Security Code is not set
- 3 = Control panel bus link not detected
- 4 = NL-MOD CPU issue detected
- 5 = Z-Wave CPU issue detected
- 6 = RCM CPU issue detected
- 7 = NXP CPU issue detected
- 8 = Web password is defaulted
- 9 = Fail to check-in to RCM Server

Jumpers and Sockets

JP2

- Shunted = Normal mode (installed at factory)
- Shunt Removed + Power Up = Load default configuration

JP3

- Shunted = Send test signal to central station

JP4

- Shunt Removed = Normal mode (not installed at factory)
- Shunted = Enables Auto IP for local configuration via crossover cable

JP5

- Shunted = Normal mode (installed at factory)
- Shunt Removed + Power Up = De-

faults the Username and Password for the *Configuration Web Interface* to the following:

Default Username = admin
Default Password = admin

J103

Shunted = (installed at factory); do not remove jumper

J3 = (This "Header Socket" is not used with this model)

J4 = Shunted at factory = Normal mode; do not remove jumper

Wi-Fi Module Button (S1)

- Press and hold 5 seconds = Reboots Wi-Fi Module (**DS4** and **DS5** blink fast simultaneously). **Note:** Resets automatically if Wi-Fi module is unable to communicate on any channels
- Press and hold, then release when **DS4** green LED lights = Activates "Wi-Fi Setup Mode" (see page 7)
- Press and release when **DS6** yellow LED lights = Activates "Hardwire Network Connection Mode" (see page 8)
- Press and release when **DS5** red LED lights = Activates "Wi-Fi Network Connection Mode" (see "Wi-Fi Setup Mode" on page 7)

Installing the IBR-ZREMOTE-W Z-Wave® Controller, ISEE-WAP Wireless Access Point and the IBR-ITAB Wireless Touchscreen Tablet

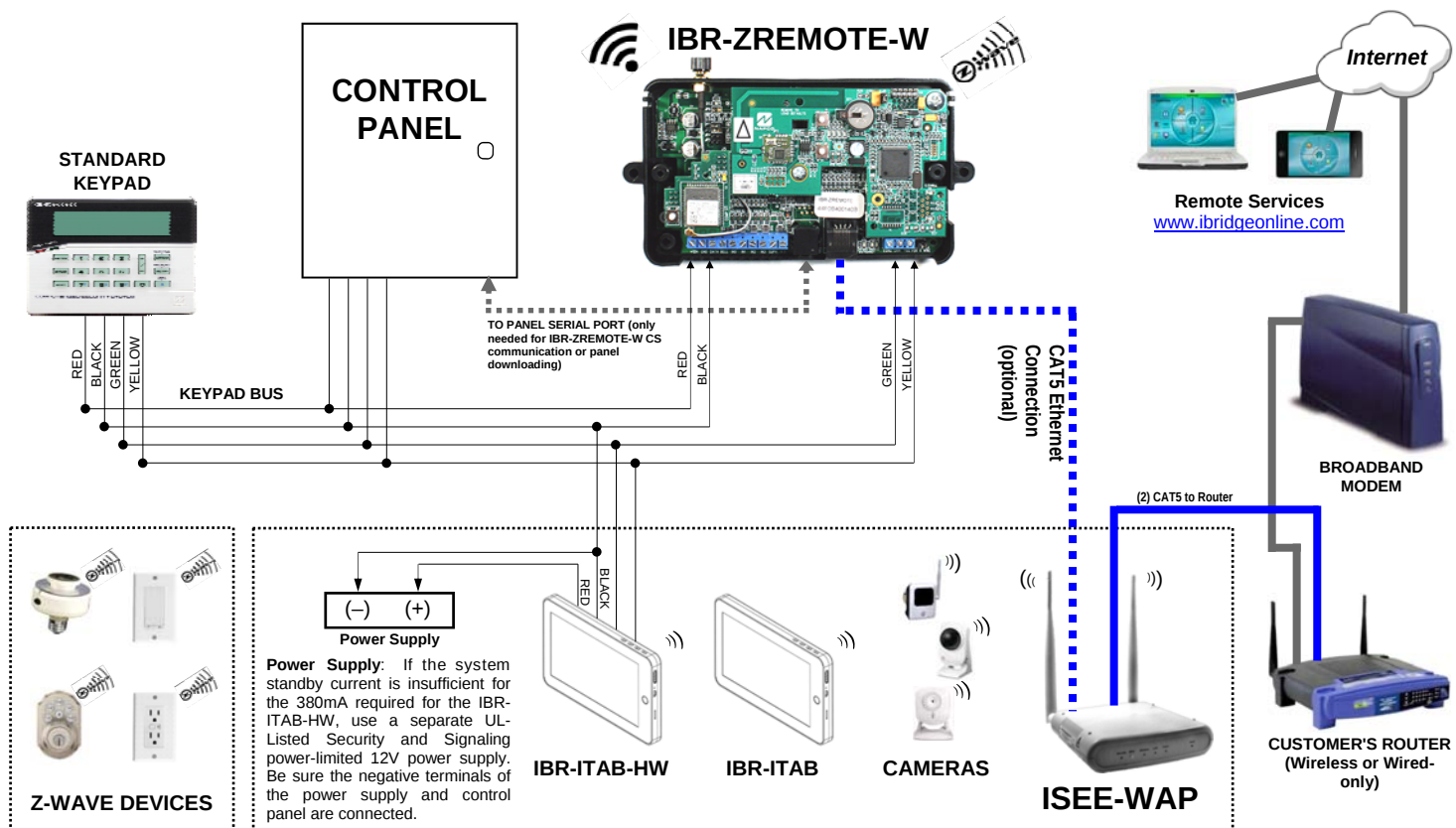
The **iBridge Suite** allows consumers to control their alarm system, Z-Wave devices and video cameras from wireless and wired Touch Screens, Android and Apple devices and from a PC web browser independently or all at the same time from inside the premises or out.

This guide will walk you through the steps required to set up a typical system. The key components are:

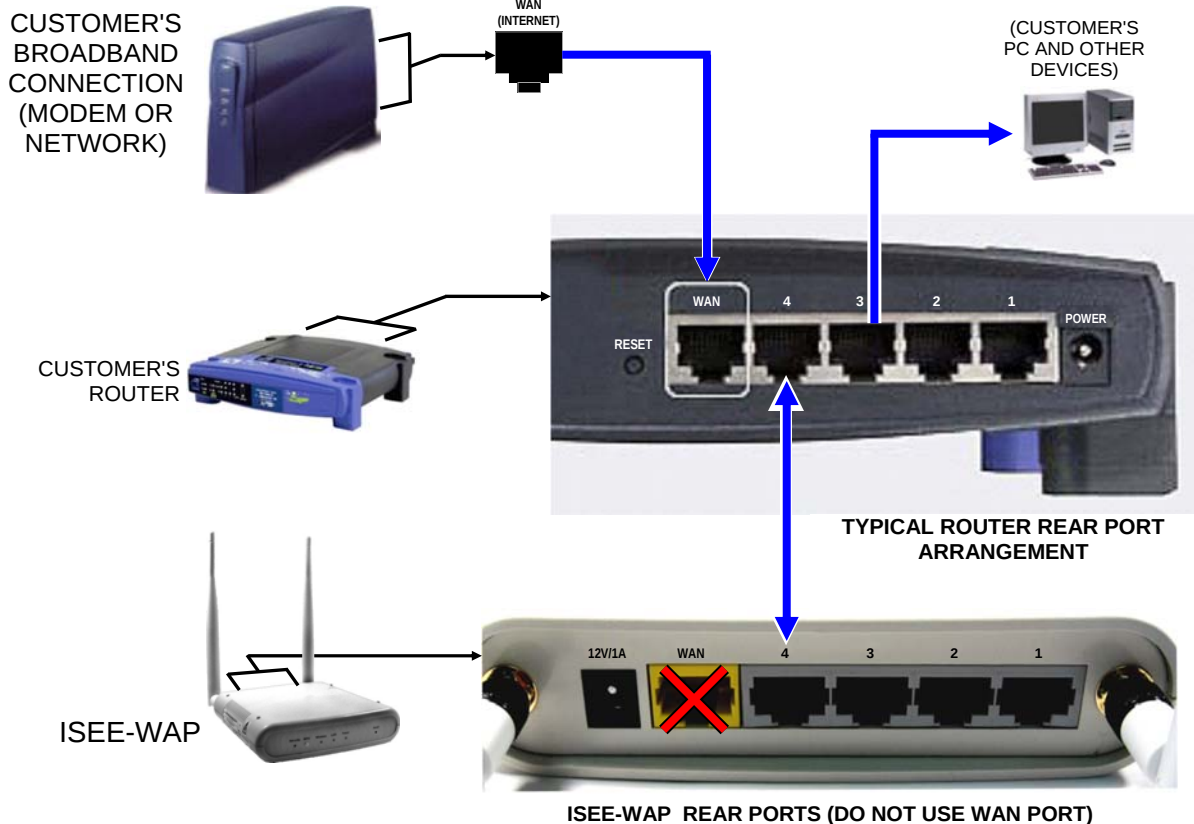
- **IBR-ZREMOTE-W:** This is the "hub" of the system. It links the Napco alarm control panel keypad bus, a Wi-Fi access point, and an internal Z-Wave controller allowing commands to flow from one system to another via an interconnected TCP/IP network within the premises or over the Internet. The **IBR-ZREMOTE-W** also has an integral NL-MOD to allow the reporting of alarms to a Napco NetLink Receiver and to remotely configure the alarm control panel over the Internet. Because the **IBR-ZREMOTE-W** is connected to the Napco keypad bus, it must be programmed with a unique keypad address number. It is shipped defaulted as KEYPAD ADDRESS number 1, but is easy to change. A optional Wi-Fi link to the ISEE-WAP (or directly to the customer's router) simplifies wiring, eliminating the Ethernet cable connection (the dotted line from the **IBR-ZREMOTE-W** to the ISEE-WAP in the illustration below). **Note:** When this Wi-Fi link is active, the **IBR-ZREMOTE-W** is in "Wi-Fi Network Connection Mode" (see diagram below).
- **ISEE-WAP:** This is the Wi-Fi access point that allows wireless devices (cameras, Touch Screens, etc.) to gain access to the **IBR-ZREMOTE-W** and the TCP/IP network and also provides Wi-Fi for local control using the iBridge mobile app running on iPhones, iPads or Android devices. (The ISEE-WAP is not required if not using cameras or the IBR-ITAB wireless Touch Screen or if a local Wi-Fi connection to the system is not required).
- **IBR-ITAB:** This is a completely wireless Touch Screen that connects to the ISEE-WAP using built in Wi-Fi for control of Security, Z-Wave and Video. The IBR-ITAB-HW is a slight variation of the IBR-ITAB and differs in the management of the security connection. In this case the IBR-ITAB-HW is wired directly to the Napco control panel keypad bus to control security and the integral Wi-Fi is used only for Video and Z-Wave control.

The overall system layout is shown below:

WIRING OVERVIEW with IBR-ZREMOTE-W and ISEE-WAP



CLOSE-UP VIEW



The system can be installed out of the box without any configuration changes. First ensure the alarm control panel is wired and working with a standard wired keypad as KP ADDR #1 before you continue. Be sure to use the same "type" of keypad (either "Classic" or "STAY/AWAY") that you plan to configure the system to use.

Do not wire the **IBR-ZREMOTE-W** yet.

STEP 1: PREPARE THE IBR-ITAB

The IBR-ITAB has an internal battery that may need recharging. Press and hold the "**Back/Power**" button (shown at right) until the display starts to turn on (then release the button). After the IBR-ITAB tablet starts, observe the battery indicator icon (upper right); if green or yellow, the battery has enough charge to complete the installation. Press and hold the "**Back/Power**" button again until the power off message appears and turn off the tablet. If the battery indicator icon is red, you can install and mount the charging plate as described in WI1944 or just connect the power adapter to the charger plate (observing polarity) and power the IBR-ITAB to continue.



Back / Power
Button

STEP 2: REQUIRED CONTROL PANELS

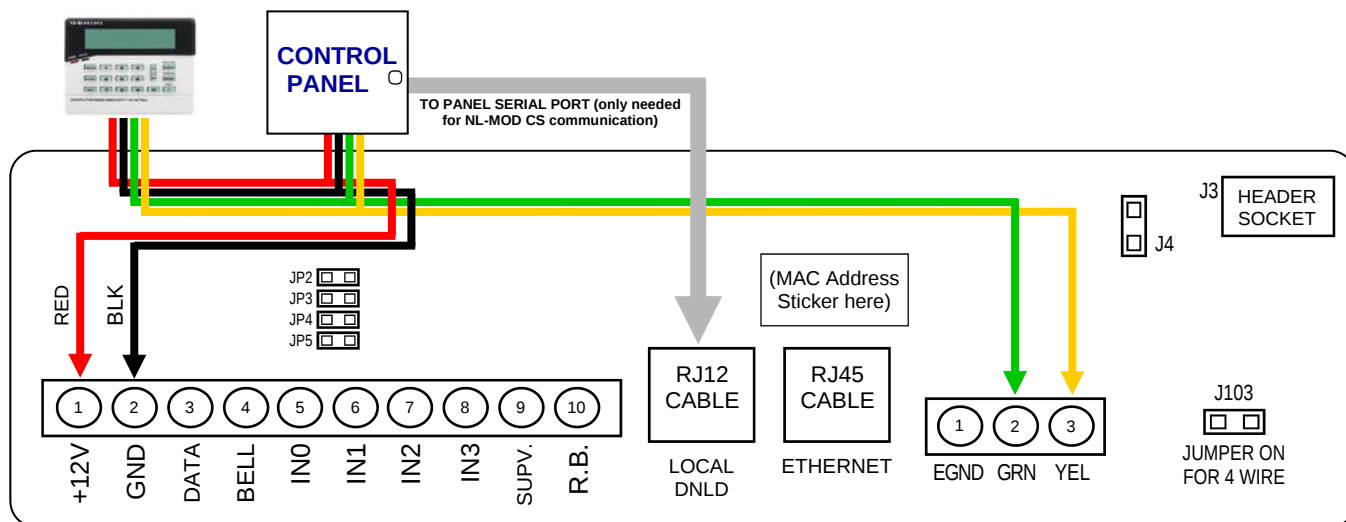
To use all features of the **IBR-ZREMOTE-W**, the alarm control panel must have the correct firmware version installed. The control panel firmware files are included in **IBR-ZREMOTE-W** box. Required are:

- **PCD-Windows Quickloader:** V6.12 or greater (located on the enclosed support CD)
- **Control panels GEM-X255, GEM-P9600 and GEM-P3200:** Firmware V60A22-4 or greater (included in box)
- **Control panels GEM-1664, GEM-P1632 and GEM-P816:** Firmware V30R-9 or greater (included in box)

Note: If you need to upgrade your control panel, see **Appendix A** on page 18.

STEP 3: INSTALL AND WIRE THE IBR-ZREMOTE-W

The **IBR-ZREMOTE-W** requires a unique keypad address on the NAPCO keypad bus. The **IBR-ZREMOTE-W** is factory configured as control panel keypad address #1 and as a Napco "Classic" keypad. **Note:** Changes can be made to the **IBR-ZREMOTE-W** without placing the panel configuration jumper to **CONFIG** mode. Disconnect power from the control panel (AC and battery) and connect the keypad bus wires as shown below to the +12V, GND, GRN and YEL terminals.



STEP 4: Power Up in Wi-Fi Setup Mode and Set the Keypad Address & Keypad Type

The **IBR-ZREMOTE-W network connection** (the dotted line in the diagram at right) can be made to the ISEE-WAP (or if you are not using an ISEE-WAP for wireless tablets or iSeeVideo cameras, this network connection can be made directly to the customer's router). This network connection can be *wired* or can be made *wirelessly*. **Note:** Although static IP addresses can be assigned to the **IBR-ZREMOTE-W**, by default the **IBR-ZREMOTE-W** is set to accept an IP address assigned by DHCP.

If you are using an ISEE-WAP, there *must* be a wired connection that runs between the ISEE-WAP and the customer's router using a standard CAT5 network cable, as shown in the diagram at right. If using an ISEE-WAP, make this wired connection now.

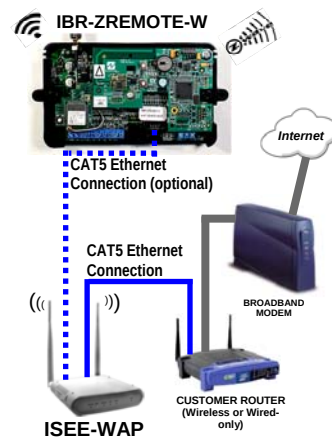
If you wish to make a wired connection between the **IBR-ZREMOTE-W** and either the ISEE-WAP or the customer's router, the **IBR-ZREMOTE-W** must be set to "**Hardwire Network Connection Mode**" (see **Appendix C** on page 21). Otherwise, proceed as follows:

The **IBR-ZREMOTE-W** requires a unique keypad address on the Napco keypad bus. By default, the **IBR-ZREMOTE-W** is configured as keypad address #1 and as a Napco "Classic Keypad". If you are not changing the keypad address and/or keypad type, skip to **STEP 5** on page 9. Using a wireless laptop, smartphone or other wireless device, access the "**Configuration Web Interface**" to set the **IBR-ZREMOTE-W** Wi-Fi settings, as follows:

1. Reconnect the battery connection and power the control panel. Wait two (2) minutes for all devices to fully power.

For new units (that have not yet been configured with a Wi-Fi **SSID** and **Password** using the **WIFI Router Security Configuration** screen shown on the next page), when first powered, the **IBR-ZREMOTE-W** automatically enters "**Wi-Fi Setup Mode**". This mode allows its Wi-Fi settings to be configured to enable access to the network. In this mode, the green LED **DS4** blinks slowly and the red **DS5** LED turns on steady.

For units previously programmed with an **SSID** and/or **Password**, if you wish to re-enter "**Wi-Fi Setup Mode**", see **Appendix D** on page 22.



- Obtain the last three digits of the **IBR-ZREMOTE-W** MAC address (printed on the sticker located inside the **IBR-ZREMOTE-W** enclosure, above the socket labeled "**ETHERNET**"). If you wish, write the last three digits here ____.
- Using your "Wi-Fi enabled" wireless laptop, smartphone or other wireless device, browse the SSIDs in the Wi-Fi networks list. The SSID name for the **IBR-ZREMOTE-W** will be in the following format: **NAPCO###** where **###** is the last three digits of the **IBR-ZREMOTE-W** MAC address obtained in the previous step. Select this SSID.
- Launch a web browser (Windows 7 *Microsoft Internet Explorer*, *Google Chrome* and *Mozilla Firefox* supported). In the browser **Address** field, type **http://napco###.local** (where **###** is last three digits of the **IBR-ZREMOTE-W** MAC address) and press **ENTER**. If the connection to the "Configuration Web Interface" is successful, skip to the next step; if unsuccessful, type the default Access Point IP address of the **IBR-ZREMOTE-W** (192.168.240.1) in the browser **Address** field and press **ENTER**.



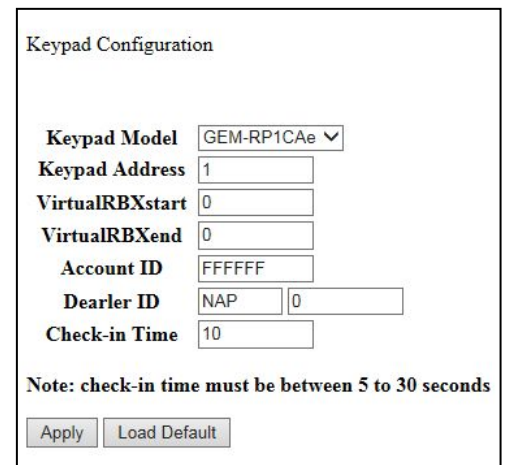
The login screen for the NAPCO Configuration Web Interface. It features the NAPCO logo at the top. Below the logo, there are two input fields: "User Name" and "Password". At the bottom left, there is a "Login" button.

- The "**Configuration Web Interface**" log in web page appears (shown at right). Type the default **Username** ("admin") and the default **Password** ("admin") and click **Log In**.

Note: The Username and Password are cAsE SeNsItiVe, and spaces are NOT permitted. Some devices include an AutoCorrect feature that may add spaces or capitalize letters; take extra time to ensure the Username and Password are correct before proceeding. The **Home Screen** appears, displaying the attributes of the **IBR-ZREMOTE-W**, including its model number, firmware versions and other information.

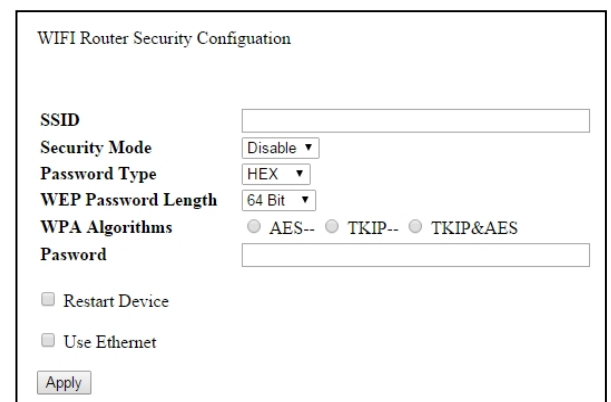
Set the Keypad Address & Keypad Type

- Click the **Keypad Setup** button and the **Keypad Configuration** screen opens. In **Keypad Model** drop-down, select the desired keypad type ("**GEM-RP1CAe**" is the default type).
- In the **Keypad Address** field, change this number to the desired keypad address number (default is "1"). Click **Apply**.
- Click the **WIFI Configuration** button and the **WIFI Router Security Configuration** screen opens (shown at right).
 - If using an **ISEE-WAP**, type the **SSID** and **Password** of the **ISEE-WAP**.
 - If not using an **ISEE-WAP** and you are connecting to the customer's router, type the **SSID** name assigned to the customer's Wi-Fi network, select the **Security Mode** and **Password Type** from their pull-down menus, select all other fields as required, including the **Password** of the customer's network.



The Keypad Configuration screen. It has a title "Keypad Configuration". Below the title, there are several fields: "Keypad Model" (a drop-down menu showing "GEM-RP1CAe"), "Keypad Address" (a text box with "1"), "VirtualRBXstart" (a text box with "0"), "VirtualRBXend" (a text box with "0"), "Account ID" (a text box with "FFFFFF"), "Dealer ID" (a text box with "NAP" and a small "0" in a separate box), and "Check-in Time" (a text box with "10"). At the bottom, there is a note: "Note: check-in time must be between 5 to 30 seconds". Below the note are two buttons: "Apply" and "Load Default".

Check **Restart Device** and click **Apply**. Unit restarts, automatically exits "**Wi-Fi Setup Mode**" and enters the normal "**Wi-Fi Network Connection Mode**".



The WIFI Router Security Configuration screen. It has a title "WIFI Router Security Configuration". Below the title, there are several fields: "SSID" (a text box), "Security Mode" (a drop-down menu showing "Disable"), "Password Type" (a drop-down menu showing "HEX"), "WEP Password Length" (a drop-down menu showing "64 Bit"), "WPA Algorithms" (radio buttons for "AES--", "TKIP--", and "TKIP&AES", with "AES--" selected), and "Pasword" (a text box). At the bottom, there are two checkboxes: "Restart Device" and "Use Ethernet", both of which are unchecked. Below the checkboxes is an "Apply" button.

Note: By default, **DHCP** will assign an IP address to the **IBR-ZREMOTE-W**. If you need to assign a static IP address to the **IBR-ZREMOTE-W**, click **NetLink Setup**.

*At this point you should have a functioning system and be able to arm and disarm the security system using the **IBR-ITAB** or through the keypad. The next step is to integrate video cameras (if applicable). If you are unable to connect the **IBR-ZREMOTE** to the customer's network wirelessly, you can connect using an Ethernet cable, as detailed in the next section.*

STEP 5: CONNECTING TABLETS TO NETWORK "Without ISEE-WAP" or "With ISEE-WAP"

Connecting "Without ISEE-WAP" (see diagram #2 on page 16)

Using the IBR-ITAB (or IBR-ITAB-HW) tablet, turn on Wi-Fi as follows: Tap the **System Settings** "gear" icon once, then scroll down and enable "Wi-Fi Option". If using an ISEE-WAP *Wireless Access Point*, the IBR-ITAB (or IBR-ITAB-HW) tablet connects automatically to SSID "Public" (see the section **Connecting "With ISEE-WAP"**, below).

To connect to the customer's Wi-Fi Router:

Enter the tablet Dealer Settings menu (password is "admin"). **Note:** Enable Wi-Fi as described above.

1. Select **Tablet > Connection > (2) Tablet Connection/SSID Choice**.
2. Select **Continue** and select **Custom Setup**.
3. Type the SSID and password of the customer's router. Select either WEP or WPA2.
4. Then select **Join Network**.

Note: SSIDs are cAsE SeNsITiVe, and no spaces are allowed.

Note: To verify your customer's SSID and the Wi-Fi encryption type (WEP or WPA2): Select **Dealer Settings > Tablet > Android Settings > Wireless & Networks > Wi-Fi Settings**. The SSID can be viewed along with the encryption type (WEP or WPA / WPA2).

Connecting "With ISEE-WAP" (see diagram #1 on page 16)

Using the IBR-ITAB (or IBR-ITAB-HW) tablet, turn on Wi-Fi as follows: Tap the **System Settings** "gear" icon once, then scroll down and enable "**Wi-Fi Option**".

At this point, the ISEE-WAP *Wireless Access Point* and the IBR-ITAB (or IBR-ITAB-HW) tablet will connect automatically to SSID1 "**PUBLIC**". The ISEE-WAP and the tablets are both pre-configured to automatically connect to your iBridge system using the default Wi-Fi settings of the ISEE-WAP, SSID1 "**PUBLIC**".

The ISEE-WAP has two default SSIDs (network access point names) broadcasting to your tablets and cameras within signal range of the ISEE-WAP (these SSIDs can easily be seen with any iPhone or Android device). The names are **PUBLIC** and **IBRIDGE**. SSID1 is named **PUBLIC** and is used by the IBR-ITABs and cameras to automatically join the network. SSID2 is named **IBRIDGE**, uses the WEP security protocol and a 10-digit Key of "1234567890". SSID2 can be changed to a new name and a secret Key to ensure that only the customer has access.

After this step, **PUBLIC** can be disabled so that no one else can connect to the system, and to ensure that the IBR-ITAB will **only** wirelessly connect to the intended ISEE-WAP. Refer to "**Securing the ISEE-WAP**" instructions below to add unique SSID name and (secret) key to the ISEE-WAP ("securing" the ISEE-WAP). **Note:** This process is reversible to accommodate future changes.

STEP 6: ENROLLING VIDEO CAMERAS TO YOUR TABLETS AND/OR SMART PHONE (Optional)

If you already have **iSeeVideo** cameras installed and are able to view them through your tablets and/or through the app, proceed to the section **Connecting "With ISEE-WAP"** (below) to lock them down.

Installing Cameras

Mount and wire cameras in accordance with the work instructions included with each camera, making note of the MAC address of each installed camera. After the wired or wireless cameras are installed, power them up and wait at least two (2) minutes for the cameras to acquire an IP address and to stabilize.

Discovering Cameras

On the IBR-ITAB touch screen or the iBridge App on your smartphone, tap the **VIDEO** "pie shape", then tap the "magnifying glass" icon that appears to discover the newly installed cameras or the existing iSeeVideo cameras installed previously. **Note:** It may be necessary to re-run this discovery process more than once if all cameras are not found.

Securing the ISEE-WAP

The following steps will ensure that the IBR-ITAB will **only** wirelessly connect to the intended ISEE-WAP by adding the unique SSID name and (secret) key to the ISEE-WAP.

With the Home Screen displayed, using your finger, **press and hold** the **System Settings** "gear" icon (shown at right).

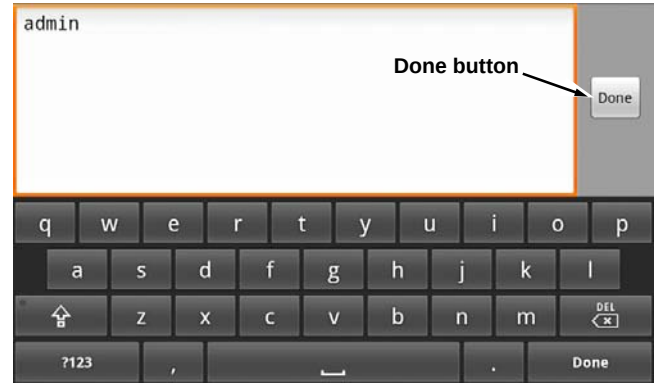


Press and hold the "System Settings"

The **Please enter password** popup appears (also shown at right). If this popup does not appear, press the **Back/Power Button** and try again. Remember, be sure to **press and hold** the **System Settings** "gear" icon.

In the **Please enter password** popup, tap the blank (empty) field with the flashing cursor, and the following keyboard will appear on the screen:

Using the keyboard keys, tap each letter to type the word **"admin"** (all lowercase). When finished typing, tap the **Done** button (see image at right).



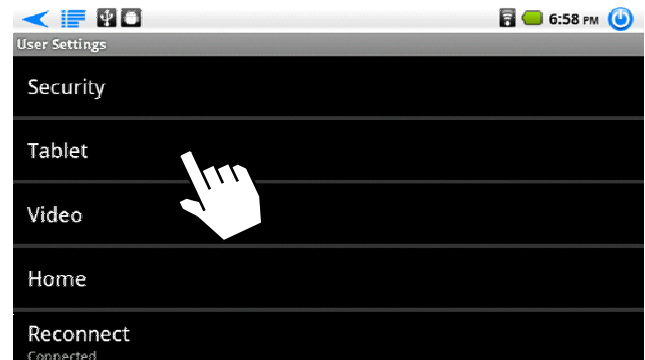
The word "admin" is now placed in the **Please enter password** popup, as shown:



Tap **OK**. The following warning popup appears:



Tap **Yes** and the following **User Settings** menu appears:



Tap **Tablet**, then tap **Connection**. The following **Connection Settings** appears:

Change the SSID and Key:

Tap **(1) Change/Create CUSTOM IBRIDGE ISEE-WAP SSID and KEY**.

Note: The following only needs to be performed once to configure or change the ISEE-WAP. If enrolling a second IBR-ITAB, jump to the next step.

An **Information** popup appears:

Tap **Continue**. In the **Preferred Network** dialog that appears (shown at right), type a new **SSID** name, ensure the default security protocol is **WEP**, then type a new secret **Key** (check **Show Password** to view the password text as you type). The **Key** MUST be one word (no spaces) 10 digits in length using only 0-9, A, B, C, D, E or F as digits. *DO NOT use the same SSID name and secret Key as the customer's router. Again, do not use spaces!*

When finished, tap **Save**. This action adds this unique **SSID** and this unique **Key** to the ISEE-WAP. A popup will display that reads, "**Command completed successfully -- OK**". Tap OK to close; wait two (2) minutes for the ISEE-WAP to restart and the IBR-ITAB to reconnect.

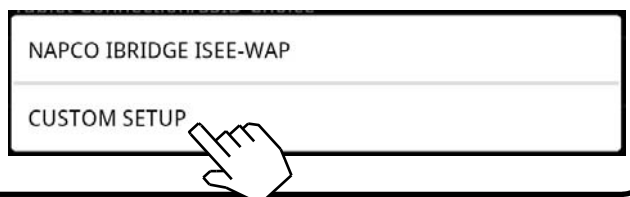
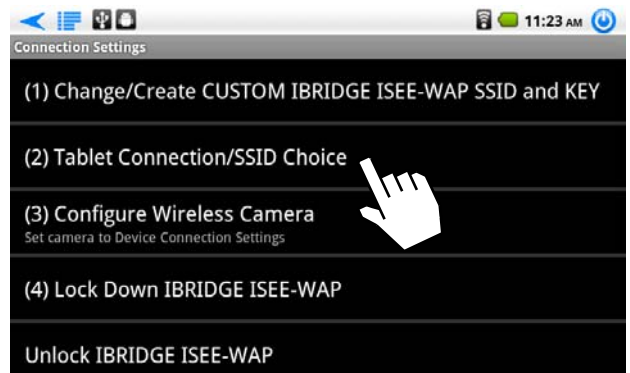
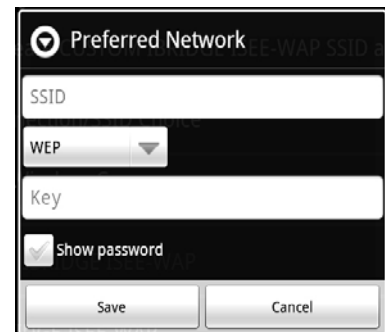
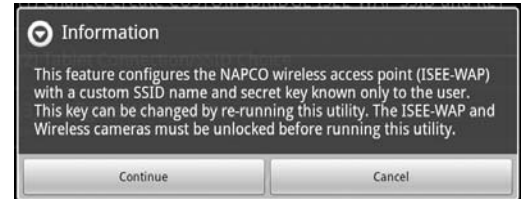
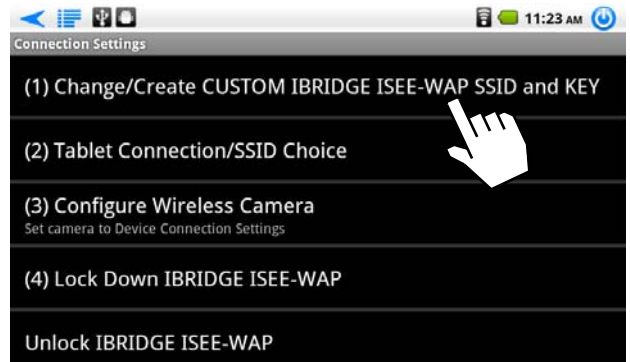
Next, you must configure the IBR-ITAB to hereafter ONLY connect to the ISEE-WAP with this unique **SSID** and this unique **Key**. Proceed as follows:

Choose the Tablet Connection/SSID:

At the **Connection Settings** menu that appears (shown at right), tap **(2) Tablet Connection/SSID Choice**.

In the following **Information** popup that appears, tap **Continue**.

In the screen that appears, tap **CUSTOM SETUP**.



Under **CUSTOM SETUP** you will be presented with the same **Preferred Network** dialog as shown above. The data entered previously will still exist; tap **Join** to accept this data.

Configure the Wireless Cameras. Be sure all wireless cameras are powered, then tap **(3) Configure Wireless Camera**. **Note:** If you are not using cameras, proceed to the section "**Lock Down the ISEE-WAP**", below.

A confirmation popup appears; tap **Yes** to proceed (or tap **No** to exit without saving changes).

Wait while the IBR-ITAB searches for all cameras. When finished searching, the IBR-ITAB lists all the discovered cameras by IP address. Tap to select each camera one at a time and tap "**Lock**" to lock the camera. Exit when complete.

Lock Down the ISEE-WAP

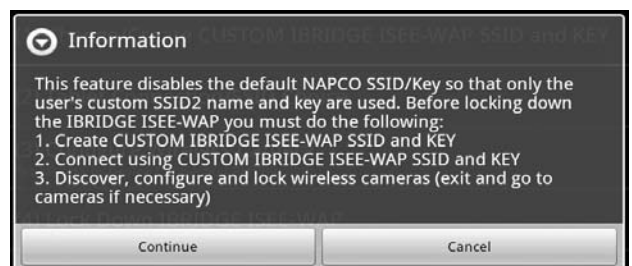
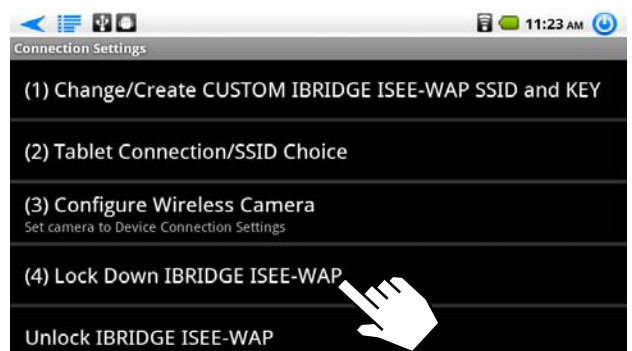
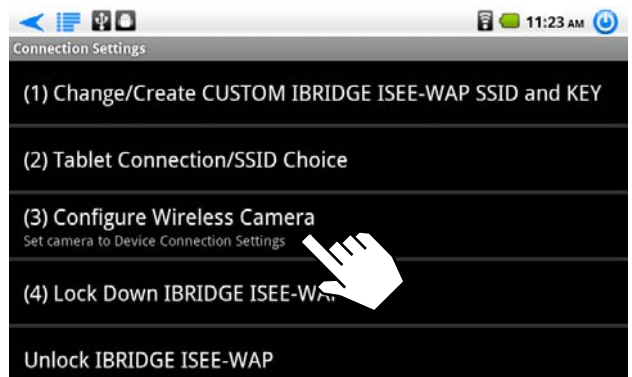
In the **Connection Settings** menu, tap **(4) Lock Down IBRIDGE ISEE-WAP**.

Locking the ISEE-WAP turns off the default "PUBLIC" SSID so no other systems can connect to your equipment. Any new IBR-ITABs will have to use the new SSID and Key entered in the **Preferred Network** dialog above.

In the **Information** popup that appears, tap **Continue**.

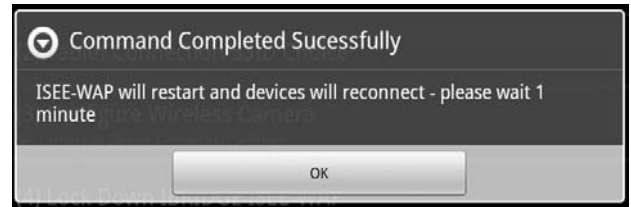
Adding Additional IBR-ITABs

If enrolling multiple IBR-ITABs, after you complete all of the steps above and lock down the ISEE-WAP, at the **Connection Settings** menu that appears (shown above), you must select **(2) Tablet Connection/SSID Choice** for each additional tablet. These fields will have to be completed using the same SSID and password you created with the first IBR-ITAB. YOU ONLY NEED TO REPEAT THIS STEP WHEN ADDING ADDITIONAL IBR-ITABs.



Wait several seconds until the following popup appears:

Tap **OK** to close.



Test the keypad. To ensure the IBR-ITAB is connected with the correct ISEE-WAP, press the **Back/Power Button** repeatedly until the Home Screen appears, then press the **Security** button. A screen with your arming choices appears:

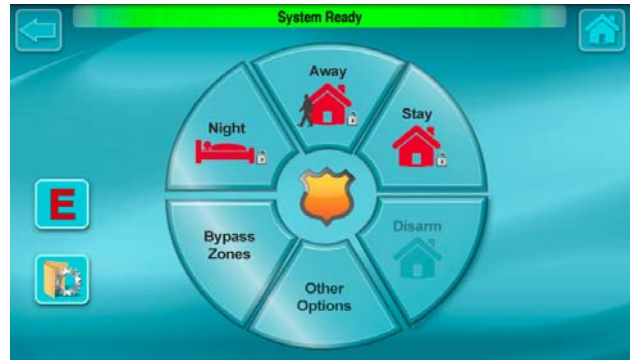
Arm the system by first pressing **AWAY**, then press the User Code in the keypad that appears. Ensure the keypad text on the IBR-ITAB matches the keypad text that appears on the standard wired keypad.

In the Home Screen, when connected, a connection strength indicator appears at the top right (1-4 bars, as shown). If you wish to verify the connection, press this icon and text appears at the bottom of the IBR-ITAB screen confirming the validity of the connection. For example, the text may read:



Signal Strength Indicator

"Connected with ssid: WAP345, Level: Excellent, IP: 192.168.50.102, Port: 8003, Gateway: 192.168.50.2"



STEP 7: ACTIVATE YOUR IBRIDGE (IBR-ZREMOTE-W) FOR REMOTE SERVICES

Once the **IBR-ZREMOTE-W** has been completely wired to the control panel, configured and powered up, a consumer iBridge subscriber account is ready to be created for remote services (remote access through the web and remotely through smartphones), if desired. These activation steps include adding subscribers, cameras and an **IBR-ZREMOTE-W** to a customer account.

To activate, go to www.NapcoComNet.com and log into your NapcoComNet account. If you are not yet registered as a NapcoComNet dealer, please click the **Registration** button. Dealer accounts are approved Monday-Friday 8:30am-4:30pm (please allow up to 1 business day for approval).

To activate your new device, click the **Add Device** tab at the top of the screen, click **Service Plans** and then enter the device's Unit ID / MAC Address for the product type that you are activating.



Select:

- **SLE-GSM Service Plans:** Type the Radio ID# for all Napco SLE-Series Radio models
- **iSeeVideo Service Plans:** Type the MAC address for all iSeeVideo cameras, IVRs and Video Gateways (do not activate the ISEE-WAP)
- **iBridge/iRemote Service Plans:** Type the MAC address for iBridge and iREMOTE-MOD modules

Simply enter your device's **Unit ID / MAC address** (without dashes or spaces) and click **Go** to view the applicable service plans and add them to your cart. If any optional services are available for your device, these will also be offered.

You will be asked to enter basic subscriber information, review your order and then check out by clicking **Process Order**. The product will be ready for use within 15 minutes of checkout.

To access the **IBR-ZREMOTE-W** remotely via PC, tablet or smart phone, go to www.ibridgeonline.com to access your existing iBridge online account or register for a new account. Device apps are available for iPhones, iPads and Android devices from their respective apps markets.

For iSeeVideo, iBridge and iREMOTE-MOD products, a new subscriber account will automatically be created. A User ID and temporary password will be emailed to you (the dealer) upon activation. This temporary password *must* be changed by the customer once the installation is complete*.

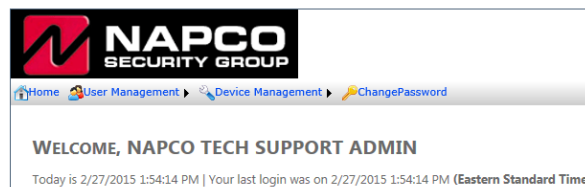
*For existing subscribers, the system will NOT generate an email with a User ID/password.

For detailed step-by-step instructions, go to <http://tech.napcosecurity.com/> and select **ComNet Activation Guide (WI2113)**.

DEALER ADMINISTRATION & BRANDING

To log into the dealer administration and branding site go to www.ibridgeonline.com and log in with your NapcoComNet User ID and password.

As shown in the screen image at right, at www.ibridgeonline.com you can manage your subscriber accounts, view a list of User IDs, as well as manage both your cameras and keypads registered to your dealer account. **Note:** For forgotten passwords, your customer must click the "Forgot your password?" link at www.ibridgeonline.com.



Branding: Upload a New Logo

The **Upload a new Logo** link, located under "User Management", allows you to brand your site with a logo or unique company name that your customer will see when they log into the www.ibridgeonline.com website plus you can now brand the iBridge app with your logo along with details. **BE SURE TO FOLLOW THE EXACT LOGO SIZE AND DIMENSION GUIDELINES BEFORE UPLOADING.**

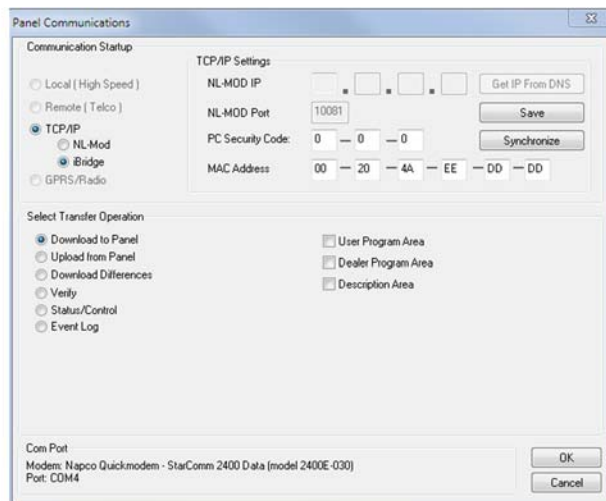
- **Website Logo** - Displays when your customer logs into their www.ibridgeonline.com account.
- **Mobile Device Logo** - Displays in the iBridge app when your customer logs into their account "remotely" using the iBridge app. (**Note:** We recommend using a transparent logo for best results as it overlays in the app)
- **Mobile Dealer Detail Info Image** - This "additional detail information image" displays when your customer presses on your logo in the app (typically used for additional information such as "For service call 800-555-1212").

TCP/IP REMOTE AND LOCAL COMMUNICATIONS

Before performing an upload or download, open the PCD-Windows Quickloader **Digital Communications** screen, **Digital / Dialing Options** tab and place a check to enable the **TCP/IP Communications** option. In addition, be sure to connect a serial cable between the "LOCAL DNLD" socket on the iREMOTE-MOD and the control panel motherboard local download jack.

The following describes when to use the two options available for TCP/IP communications in the PCD-Windows Quickloader **Panel Communications** screen (under **TCP/IP**, shown at right). When connecting to your Gemini control panels for local and remote uploading and downloading through the iBridge **IBR-ZREMOTE-W**, iREMOTE-MOD or NL-MOD-UL, the following considerations should be noted:

- **iBridge:** This radio button selection allows a remote connection only to the **IBR-ZREMOTE-W** (no port forwarding required). For local connections to upload and download Gemini control panels through TCP/IP, you must select **NL-Mod** and type the local LAN IP address.
- **NL-Mod:** This radio button selection allows local and remote connections to the NL-MOD, iREMOTE-MOD and **IBR-ZREMOTE-W** through a local and a public IP address (port forwarding 10081 is required for remote access for NL-MODs and iREMOTE-MODs only). To retrieve the public IP address from the Napco DNS server, click the "**Get IP From DNS**" button to populate the public IP address of your device. **IMPORTANT:** When locally on site, always use this **NL-Mod** radio button option and type the local IP address of the device to which you are connecting, plus the **MAC Address** (locate the local IP address using NL-MODCONFIG software).



CONCLUSION

At this point you have successfully installed, configured and locked down the iBridge system. Additional manuals are included with this system as follows:

Z-WAVE Programming and User Guide (OI378)

If your customer plans to use Z-WAVE devices, then consult OI378, "Using your iBridge IBR-ITAB Series Home Automation System". This user guide describes how to enroll and control Z-Wave devices. As a Dealer, you have the choice to either allow or disable access to Z-WAVE configuration menus by the end user. This setting is discussed in the following WI1944.

Configuring the IBR-ITAB (WI1944)

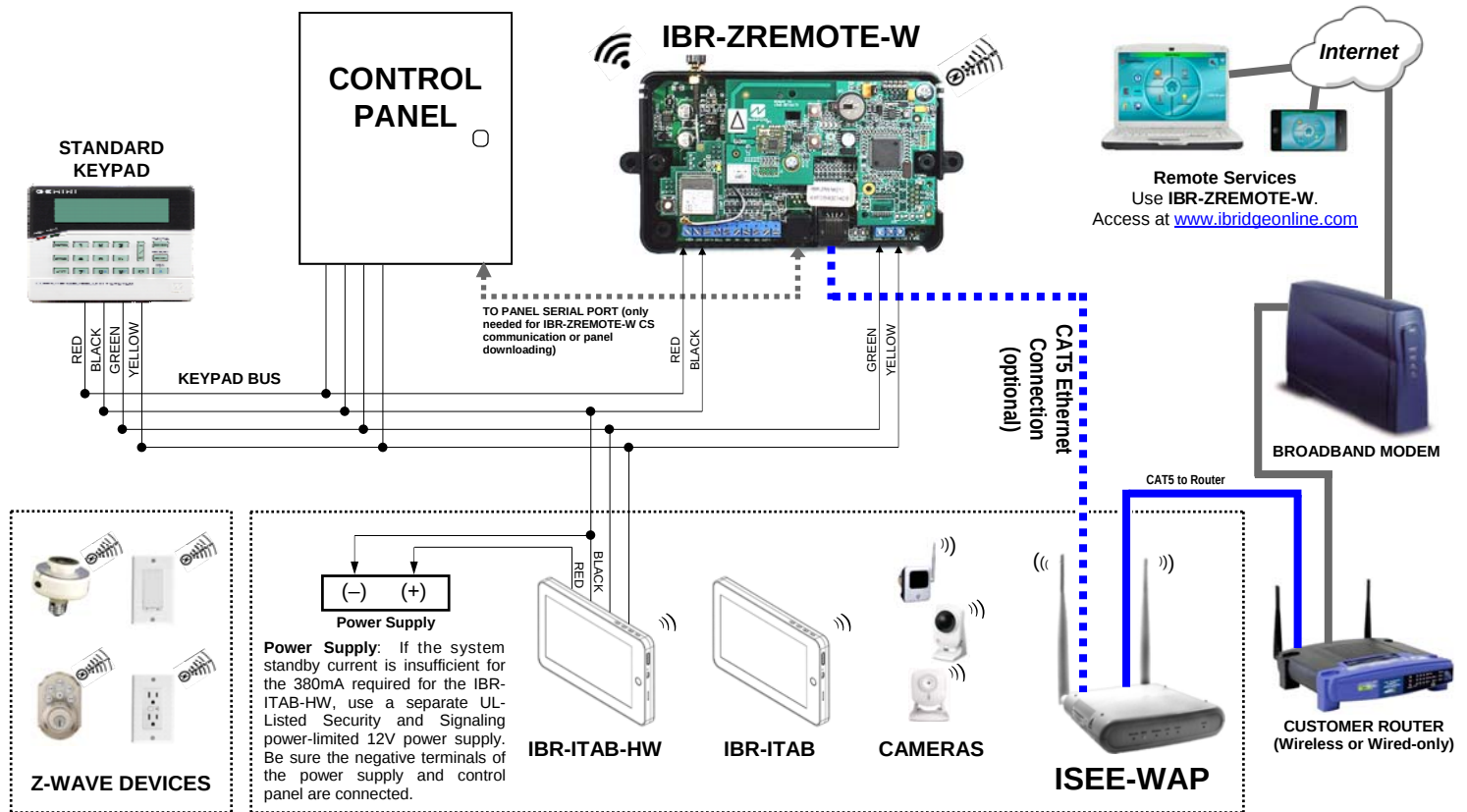
The IBR-ITAB Installation, Mounting and Programming instructions describes how to physically install the IBR-ITAB to the wall and also describes the three (3) types of menus in the IBR-ITAB. They are:

1. **User Settings:** User Settings are options that your customer can set to control the IBR-ITAB. Tap the **System Settings** "gear" icon once (lower left corner of the Home screen) to access this menu. Descriptions of each feature are described in the IBR-ITAB Security System User Guide OI372.
2. **Dealer Settings:** Dealer Settings are options that the Dealer configures. These menus are accessed via the same "gear" icon but by pressing and holding the "gear" icon for 3 seconds (a password is required to access these menus).
3. **Android Settings:** Within Dealer Settings there is an option to access the Android menu system. The Android menus should not be accessed by the Dealer; these menus exist for troubleshooting purposes when in contact with our Technical Support department.

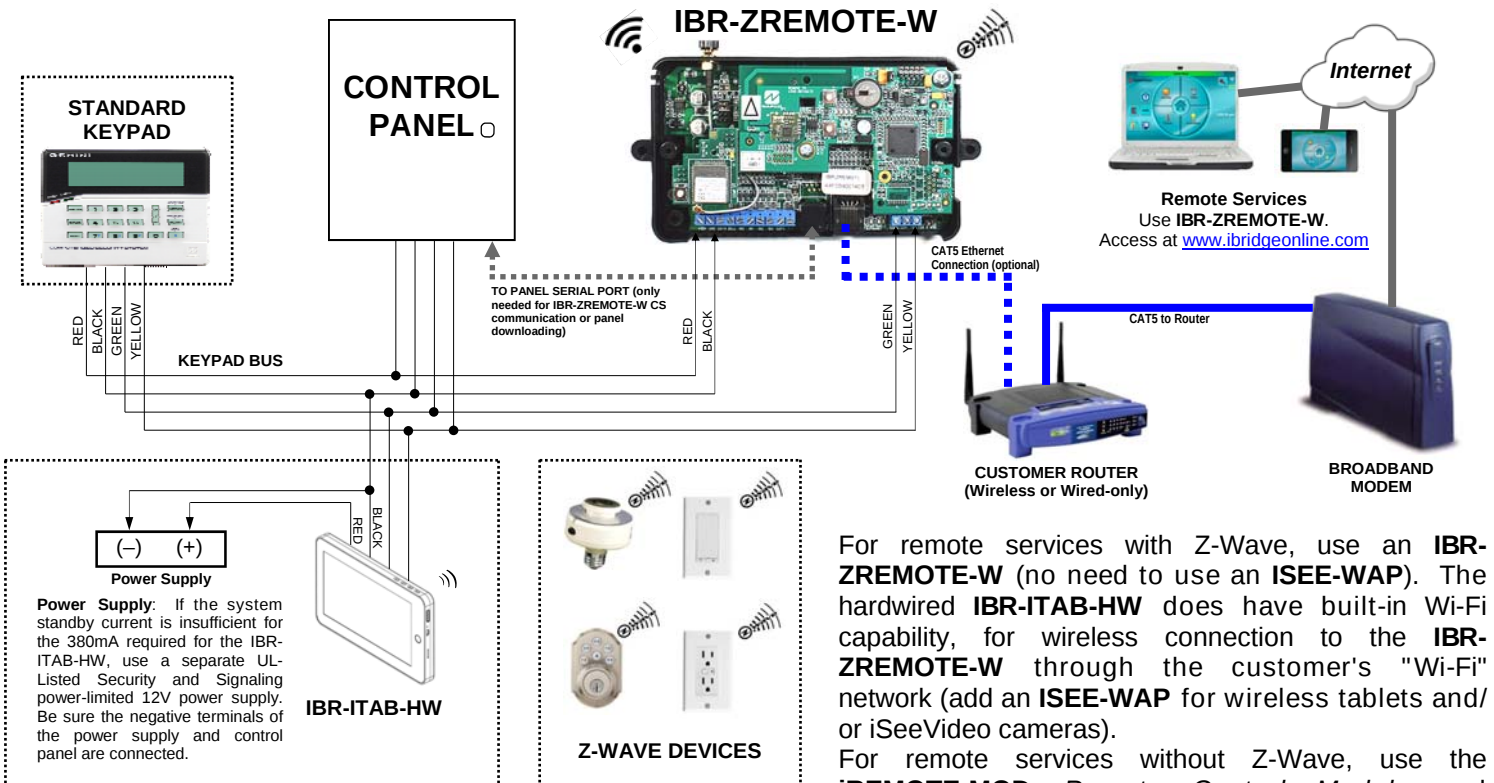
IBR-ITAB Security System User Guide (OI372)

This user guide describes how to use the security keypad on the IBR-ITAB screen, and perform tasks such as arming Stay (protecting yourself at home), arming Away (setting the alarm when leaving), arming Night (protecting yourself when sleeping), bypassing zones, and all other aspects of the customer's security alarm system.

1: WIRING OVERVIEW with IBR-ZREMOTE-W, "with ISEE-WAP" and NAPCO Tablets (Wireless IBR-ITAB and Hardwired IBR-ITAB-HW)



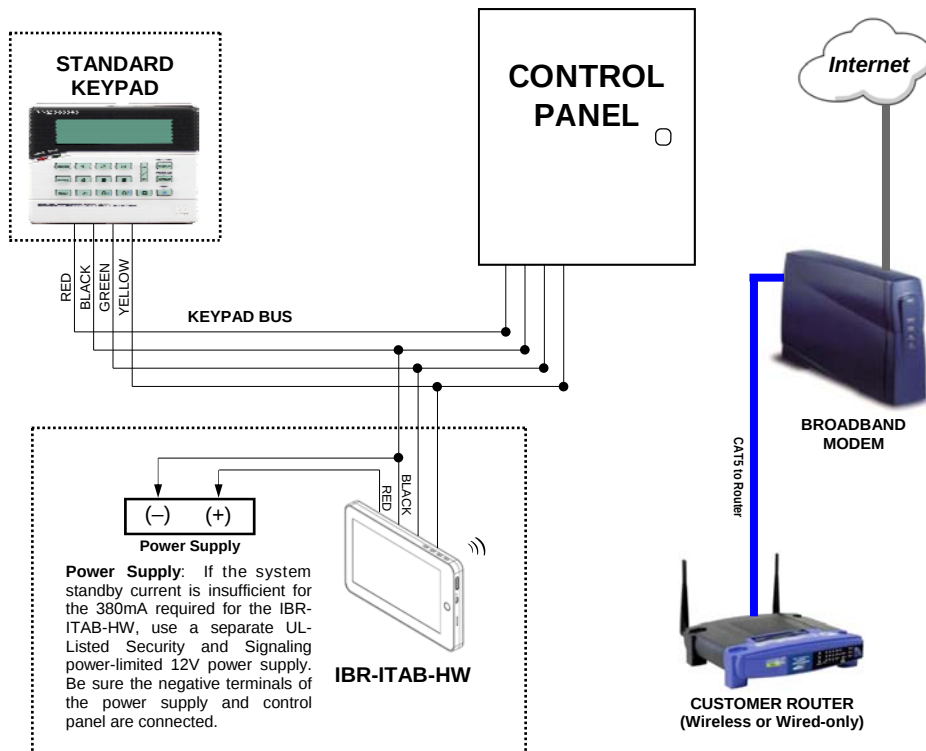
2: WIRING OVERVIEW with the IBR-ZREMOTE-W ("Without ISEE-WAP")



For remote services with Z-Wave, use an **IBR-ZREMOTE-W** (no need to use an **ISEE-WAP**). The hardwired **IBR-ITAB-HW** does have built-in Wi-Fi capability, for wireless connection to the **IBR-ZREMOTE-W** through the customer's "Wi-Fi" network (add an **ISEE-WAP** for wireless tablets and/or iSeeVideo cameras).

For remote services without Z-Wave, use the **iREMOTE-MOD Remote Control Module** and access your keypad at www.MyRemoteKeypad.com.

3: WIRING OVERVIEW with the IBR-ITAB-HW only



For remote services with Z-Wave, use an **IBR-ZREMOTE-W** (no need to use an **ISEE-WAP**). The hardwired **IBR-ITAB-HW** includes Wi-Fi capability for wireless connection through the customer's "Wi-Fi" network (with the hardwired **IBR-ITAB-HW** add an **ISEE-WAP** for wireless tablets and/or iSeeVideo cameras). For remote services without Z-Wave, use the **iREMOTE-MOD Remote Control Module** and access your keypad at www.MyRemoteKeypad.com.

THE FOLLOWING STATEMENT IS REQUIRED BY THE FCC:

This equipment generates and uses radio-frequency energy and, if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class-B computing device in accordance with the specifications in Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: reorient the receiving antenna; relocate the computer with respect to the receiver; move the computer away from the receiver; plug the computer into a different outlet so that computer and receiver are on different branch circuits. If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful: "How to Identify and Resolve Radio-TV Interference Problems". This booklet is available from the U.S. Government Printing Office, Washington, DC 20402; Stock No. 004-000-00345-4. Changes and Modifications not expressly approved by NAPCO can void your authority to operate this equipment under Federal Communications Commissions rules.

FCC NOTICE (FOR U.S. CUSTOMERS):

This device complies with Part 15 of the FCC Rules:

Operation is subject to the following conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

THIS DEVICE COMPLIES WITH INDUSTRY CANADA LICENCE-EXEMPT RSS STANDARD(S). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

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Appendix A: If Upgrading the Control Panel Firmware

The following version control panels may be upgraded for iBridge compatibility:

- GEM-P3200 and P9600 controls running firmware V20 or greater, released in May 1999
- All GEM-X255 control panels
- Any new GEM-P3200, GEM-P9600 or GEM-X255 control panel running V70 or greater firmware does **not** require an EPROM upgrade, it is iBridge compatible out of the box.
- GEM-P816 and GEM-P1632 control panels running firmware V10D or greater, released in November 2005. The PC board revision number can be identified by the revision number inside the triangular shaped sticker affixed to the PCB (requires 32 pin EPROM socket in the control panel)
- All GEM-P1664 control panels

UPGRADING THE EPROM CHIP

- 2A. If installing the **IBR-ZREMOTE-W** on a previously programmed control panel, launch Quickloader V6.12 (or greater) and upload the control panel program configuration to an account on your PC. In all cases ensure a conventional keypad is connected at keypad address 1 for steps that follow.
- 2B. Remove power from the control panel, disconnect the battery wires and replace the EPROM with the new version.
- 2C. Power the control panel, reconnect the battery wires, enter Direct Address Program Mode and Cold Start the panel:

To cold start the GEM-P186, GEM-P1632 or GEM-P1664 Control Panels:

1. Enter Dealer Program Mode from keypad #1 (the default Dealer Code is 4 5 6 7 8 9).
2. Once in Dealer Program Mode, press **Reset**.
3. In Direct Address Programming Mode, enter the following address:
 - Panel firmware V11 and lower, enter address **1198**; firmware V30 and higher, enter address **2286**
4. Press the **ON / OFF** button to save.
5. Press **Reset** twice to exit Dealer Program Mode. Verify the keypad display reads: **E09-00 Cold Start**.

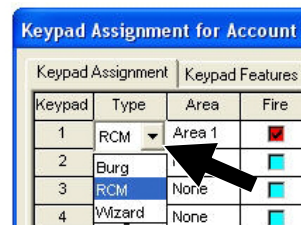
To cold start the GEM-P3200, GEM-P9600 or GEM-X255 Control Panels:

1. Enter Dealer Program Mode from keypad #1 (the Master Security Code is printed on the silver shield inside the control panel housing). Once in Dealer Program Mode, press **Reset**.
2. In Direct Address Programming Mode, enter address 4093.
3. Press the **ON / OFF** button to save.
4. Press **Reset** twice to exit Dealer Program Mode. Verify the keypad display reads: **E09-00 Cold Start**.

- 2D. Download the saved control panel program configuration back into the control panel or create and download new control panel programming.

PROGRAMMING THE IBR-ZREMOTE-W IN QUICKLOADER V6.12 (or greater)

2E. In Quickloader V6.12 (or greater), in **Keypad Assignment**, select the keypad address that you assigned to the **IBR-ZREMOTE-W**, and change the keypad address **Type** to "RCM" and add the keypad into the Area (see image at right), select **EZ Arm** (6 columns to the right on the same screen). In the **Keypad Features** tab, check "Disable Code-Required-for-FM-Level 1" (GEM-P3200 / P9600 / X255 panels only).



Keypad	Type	Area	Fire
1	RCM	Area 1	☒
2	Burg	Area 1	☒
3	RCM	None	☒
4	Wizard	None	☒

Optional Add-On Features:

- Activate **Fire**, **Auxiliary**, **Panic** and **Ambush** for your **IBR-ZREMOTE-W** keypad address (in **Keypad Assignment**, check each box according to the features required)
- Enable "**Automatic Interior Bypass/Easy Exit**" in **System Assignment**, **System Options** tab (allows Stay/Away arming through iBridge app for use with "Classic" keypads)
- Check "**Disable Code Required for EZ-Bypass**" in the Keypad Features screen (allowing zones to be bypassed without using a User Code)
- Download ALL changes to the control panel

Note: All **IBR-ZREMOTE-W** modules are factory defaulted as keypad address #1. Use the next available keypad address in your system, or leave the **IBR-ZREMOTE-W** defaulted as keypad #1 and change the conventional wired keypad to ADDR #2 as described in these instructions.

Appendix B: Other Ways to Set the Keypad Address and Keypad Type

If the **IBR-ZREMOTE-W** already has a network connection and you wish to change the *Keypad Address* and/or *Keypad Type*, you can use **Method A** or **Method B** described below.

- **METHOD A: Using an app on your iPhone, iPad or Android device to configure the IBR-ZREMOTE-W**
- **METHOD B: Using the IBR-ITAB Tablet to configure the IBR-ZREMOTE-W**

Note: If the **IBR-ZREMOTE-W** is going to be set as keypad address #1 and set as a Napco "Classic" keypad, you will only have to set the keypad addresses for any other additional conventional wired keypads connected to the control panel. Configure each additional keypad as you normally would by moving the configuration jumper to **CONFIG** and entering Keypad Configuration Mode by pressing **1 1 1 2 3 FUNCTION (or MENU)** on each alpha keypad.

METHOD A: USING AN APP TO CONFIGURE THE IBR-ZREMOTE-W

1. Install the iBridge app on your Android, iPad or iPhone Device. Apps can be obtained from *Google Play* or the *Apple Store*.
2. Connect to the ISEE-WAP Wi-Fi access point "**IBRIDGE**" using the WEP key **1234567890** or connect your device to the customer's Wi-Fi Network to access the iBridge (verify that you are connected to the iBridge by launching the app, and your status should display "System Ready" or display the keypad status correctly).
3. Put the control panel into Keypad Configuration Mode by moving the configuration jumper to the bottom two pins ("**CONFIG**"), located inside the control panel.
4. Using the iBridge app, at the Home screen tap "**SECURITY**" then "**OTHER OPTIONS**" and select "**KEYPAD MODE**". After putting the control panel into Keypad Configuration Mode, it normally takes up to 40 seconds for the keypad on the iBridge app to go "out of system". The keypad will display "**01 Out of System RCM MODULE**". **IMPORTANT:** After the display reads "**XX OUT OF SYSTEM**", you **MUST** stop and wait for the **IBR-ZREMOTE-W** components to reset and prepare for communication; only after the display changes to "**XX OUT OF SYSTEM RCM MODULE**" may you proceed with the next step (the words "**RCM-MODULE**" must be in the display text).
5. Press **1 1 1 2 3 FUNCTION (or MENU)** to enter Keypad Configuration Mode. **Note:** Do NOT change the Virtual PBX, Account ID or Dealer ID.
6. Tap **FUNCTION (or MENU)** repeatedly until the configuration keypad displays "**Keypad Address**".
7. Enter the correct address and tap **ON/OFF (or ENTER)** to save. (**Note:** Keypad address will not change until you tap **ON/OFF** or **ENTER**).
8. Tap **FUNCTION (or MENU)** repeatedly until the keypad displays "**Keypad TYPE RP1CAE2**".
9. Tap **INTERIOR / STAY** or **NEXT** to toggle between the keypad model names. When selected, tap **ON/OFF** or **ENTER** to save, then tap **RESET** to exit.
10. Return the control panel **CONFIG** jumper back to the top two pins ("**NORM**"). "System Ready" should appear on the keypad if all zones are closed.

If you are using the IBR-ITAB wireless tablet and you are unable to connect with the **IBR-ZREMOTE-W** using the app, then the "**USING THE IBR-ITAB TO CONFIGURE THE IBR-ZREMOTE-W**" procedure (below) can be used.

METHOD B: USING THE IBR-ITAB TO CONFIGURE THE IBR-ZREMOTE-W

If the **IBR-ZREMOTE-W** was connected to the network properly, the **IBR-ZREMOTE-W** and ISEE-WAP should have obtained IP addresses and be ready for use. Power up an IBR-ITAB and it will connect to the ISEE-WAP and **IBR-ZREMOTE-W** automatically (this process may take several minutes the first time it is performed). The top status bar will display "**System Ready**" or "**Not Ready to Arm**" when it is ready for the following steps:

Set the keypad skin and configure the IBR-ITAB as follows:

1. On the IBR-ITAB:

(Continued)



Back / Power
Button

- a. *Press and hold* the **System Settings** "gear" icon (located at the lower left corner of the display) for 4 seconds.
- b. Tap the empty field. In the keyboard, type the administrator password "**admin**".
- c. Tap **Done** and then **OK**.
- d. Tap **Yes** to the "Making System Changes..." popup to proceed.
2. Once in the Dealer Settings menu, tap **Security**.
3. Tap the first menu entry **Keypad Skin** and tap either **Classic** or **K Series Stay/Away**.
4. Press the **Back/Power** button twice to return to the Home Screen.
5. Put the control panel into Keypad Configuration Mode by moving the configuration jumper to the bottom two pins ("**CONFIG**"), located inside the control panel enclosure.
6. Using the IBR-ITAB, at the Home Screen tap **SECURITY** then **OTHER OPTIONS** and select **KEYPAD MODE**. After putting the control panel into Keypad Configuration mode it normally takes up to 40 seconds for the tablet to go "out of system". The keypad will display "**01 Out of System RCM MODULE**". **IMPORTANT:** After the display reads "**XX OUT OF SYSTEM**", you **MUST** stop and wait for the **IBR-ZREMOTE-W** components to reset and prepare for communication; only after the display changes to "**XX OUT OF SYSTEM RCM MODULE**" may you proceed with the next step (the words "**RCM-MODULE**" must be in the display text).
7. Press **1 1 1 2 3 FUNCTION** (or **MENU**) to enter Keypad Configuration Mode.
8. Tap **FUNCTION** (or **MENU**) repeatedly until the configuration keypad displays "**Keypad Address**".
9. Enter the correct address and tap **ON/OFF** (or **ENTER**) to save. (**Note:** Keypad address will not change until you tap **ON/OFF** or **ENTER**).
10. Tap **FUNCTION** (or **MENU**) repeatedly until the keypad displays "**Keypad TYPE RP1CAE2**".
11. Tap **INTERIOR / STAY** or **NEXT** to toggle between the keypad model names. When selected, tap **ON/OFF** (or **ENTER**) to save, then tap **RESET** to exit.
12. Return the control panel **CONFIG** jumper back to the top two pins ("**NORM**"). "System Ready" should appear on the keypad if all zones are closed.

At this point you should have a functioning system and be able to arm and disarm the security system using the IBR-ITAB or through the app.

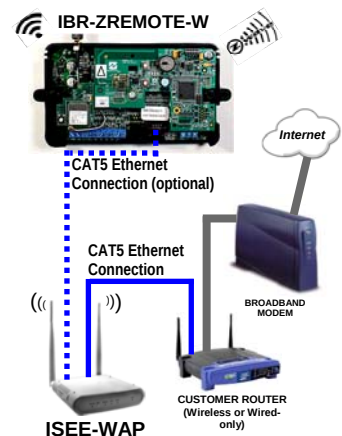
Appendix C: Hardwire Network Connection Mode

The **IBR-ZREMOTE-W network connection** (the dotted line in the diagram at right) is intended to be wireless. If you wish this connection to be wired follow the steps below.

Be aware that this connection can be made to the ISEE-WAP, or if you are not using an ISEE-WAP for wireless tablets or iSeeVideo cameras, this network connection can be made directly to the customer's router.

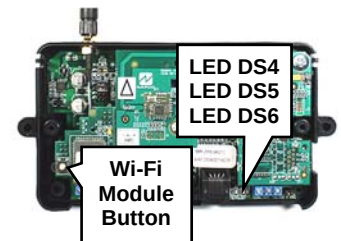
As shown in the diagram at right, if you are using an ISEE-WAP, there *must* be a wired connection that runs between the ISEE-WAP and the customer's router using a standard CAT5 network cable, as shown in the diagram at right. If using an ISEE-WAP, make this wired connection now, if not already made.

If you wish to make a wired connection between the **IBR-ZREMOTE-W** and either the ISEE-WAP or the customer's router, the **IBR-ZREMOTE-W** must be set to "**Hardwire Network Connection Mode**". Proceed as follows:



Hardwire Network Connection Mode

- Disconnect the battery connection and remove power from the control panel.
- Using a standard CAT5 network cable, connect one end into the **IBR-ZREMOTE-W** receptacle labeled "**ETHERNET**" (located on the front next to the local download jack). If using an ISEE-WAP, connect the other end of the CAT5 cable into an open LAN socket on the ISEE-WAP. If not using an ISEE-WAP, connect the end of the CAT5 cable into an open LAN socket on the customer's existing router.
- Reconnect the battery connection and power the control panel. Wait two (2) minutes for all devices to fully power and complete their network connections.
- Press and hold the **Wi-Fi Module Button** (see image at right for location). Several LEDs will start to flash (keep holding the button). Release the button when the yellow LED **DS6** turns on steady.



Note: Although static IP addresses can be assigned to the IBR-ZREMOTE-W, by default the IBR-ZREMOTE-W is set to accept an IP address assigned by DHCP.

At this point you should have a functioning system and be able to arm and disarm the security system using the IBR-ITAB or through the keypad.

Moving from "Wi-Fi Network Connection Mode" to "Hardwire Network Connection Mode"

For existing units already configured for "**Wi-Fi Network Connection Mode**", that you wish to change to "**Hardwire Network Connection Mode**", proceed as follows:

- With the control panel and the **IBR-ZREMOTE-W** powered and operational, click the **WIFI Configuration** button and the **WIFI Router Security Configuration** screen opens (shown at right).
- Check both the **Use Ethernet** and the **Restart Device** checkboxes and click **Apply**. Unit restarts, automatically entering "**Hardwire Network Connection Mode**".

WIFI Router Security Configuration	
SSID	
Security Mode	Disable
Password Type	HEX
WEP Password Length	64 Bit
WPA Algorithms	☒ AES-- ☐ TKIP-- ☐ TKIP&AES
Password	
☐ Restart Device	
☒ Use Ethernet	
Apply	

Appendix D: To Manually Enter "Wi-Fi Setup Mode"

For **IBR-ZREMOTE-W** units previously programmed with an **SSID** and/or **Password**, if you wish to re-enter "**Wi-Fi Setup Mode**" to make configuration changes by use of the "Configuration Web Interface", proceed as follows:

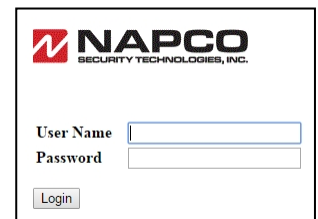
1. With the control panel and the **IBR-ZREMOTE-W** powered, press and hold the **Wi-Fi Module Button** (image at right for location). LEDs labeled **DS4** and **DS5** will blink a fast pulse; when the green LED **DS4** turns on steady, release the button. The green LED **DS4** will slowly pulse and the red **DS5** LED will turn on steady.
2. Obtain the last three digits of the **IBR-ZREMOTE-W** MAC address (printed on the sticker located inside the **IBR-ZREMOTE-W** enclosure, above the socket labeled "**ETHERNET**"). If you wish, write the last three digits here ____.
3. Using your "Wi-Fi enabled" wireless laptop, smartphone or other wireless device, browse the SSIDs in the Wi-Fi networks list. The SSID name for the **IBR-ZREMOTE-W** will be in the following format: NAPCO### where ### is last three digits of the **IBR-ZREMOTE-W** MAC address obtained in the previous step.

Select this SSID.

4. Launch a web browser (Windows 7 *Microsoft Internet Explorer*, *Google Chrome* and *Mozilla Firefox* supported). In the browser **Address** field, type <http://napco###.local> (where ### is last three digits of the **IBR-ZREMOTE-W** MAC address) and press **ENTER**. If the connection to the "Configuration Web Interface" is successful, skip to the next step; if unsuccessful, type the default Access Point IP address of the **IBR-ZREMOTE-W** (192.168.240.1) in the browser **Address** field and press **ENTER**.

5. The "**Configuration Web Interface**" log in web page appears (shown at right). Type the default **Username** ("admin") and the default **Password** ("admin") and click **Log In**.

Note: The Username and Password are cAsE SeNsItiVe, and spaces are NOT permitted. Some devices include an AutoCorrect feature that may add spaces or capitalize letters; take extra time to ensure the Username and Password are correct before proceeding.

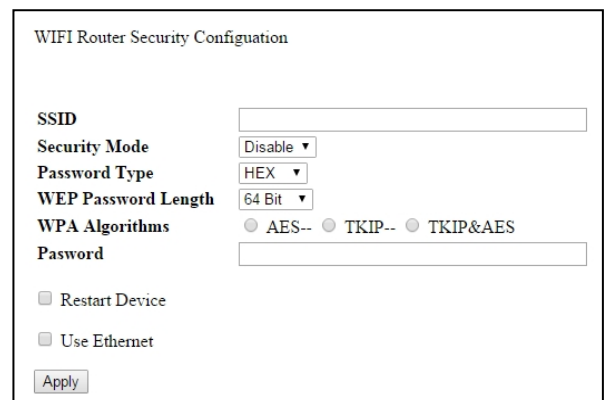


The image shows the login page for the NAPCO Configuration Web Interface. It features the NAPCO logo at the top. Below the logo, there are two input fields: "User Name" and "Password". A "Login" button is located at the bottom right of the form.

Make your changes using the "**Configuration Web Interface**" screens as needed.

When finished, click the **WIFI Configuration** button and the **WIFI Router Security Configuration** screen opens (shown at right). Check **Restart Device** and click **Apply**. Unit restarts, automatically exits "**Wi-Fi Setup Mode**" and enters the normal "**Wi-Fi Network Connection Mode**".

Note: You can also press and hold the **Wi-Fi Module Button** (see image at top for location) for 5 seconds to reboot the **IBR-ZREMOTE-W**.



The image shows the "WIFI Router Security Configuration" screen. It contains several configuration options: "SSID" (text input), "Security Mode" (dropdown menu set to "Disable"), "Password Type" (dropdown menu set to "HEX"), "WEP Password Length" (dropdown menu set to "64 Bit"), and "WPA Algorithms" (radio buttons for "AES--", "TKIP--", and "TKIP&AES", with "AES--" selected). There is a "Password" text input field below the WPA algorithms. At the bottom, there are two checkboxes: "Restart Device" and "Use Ethernet", both of which are checked. An "Apply" button is located at the bottom left.

NOTES

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NAPCO SECURITY SYSTEMS, INC. (NAPCO) warrants its products to be free from manufacturing defects in materials and workmanship for *thirty-six months* following the date of manufacture. NAPCO will, within said period, at its option, repair or replace any product failing to operate correctly without charge to the original purchaser or user.

This warranty shall not apply to any equipment, or any part thereof, which has been repaired by others, improperly installed, improperly used, abused, altered, damaged, subjected to acts of God, or on which any serial numbers have been altered, defaced or removed. Seller will not be responsible for any dismantling or reinstallation charges.

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Any action for breach of warranty, including but not limited to any implied warranty of merchantability, must be brought within the six months following the end of the warranty period.

IN NO CASE SHALL NAPCO BE LIABLE TO ANYONE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, EVEN IF THE LOSS OR DAMAGE IS CAUSED BY THE SELLER'S OWN NEGLIGENCE OR FAULT.

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NAPCO RECOMMENDS THAT THE ENTIRE SYSTEM BE COMPLETELY TESTED WEEKLY.

Warning: Despite frequent testing, and due to, but not limited to, any or all of the following; criminal tampering, electrical or communications disruption, it is possible for the system to fail to perform as expected. NAPCO does not represent that the product/system may not be compromised or circumvented; or that the product or system will prevent any personal injury or property loss by burglary, robbery, fire or otherwise; nor that the product or system will in all cases provide adequate warning or protection. A properly installed and maintained alarm may only reduce risk of burglary, robbery, fire or otherwise but it is not insurance or a guarantee that these events will not occur. CONSEQUENTLY, SELLER SHALL HAVE NO LIABILITY FOR ANY PERSONAL INJURY, PROPERTY DAMAGE, OR OTHER LOSS BASED ON A CLAIM THE PRODUCT FAILED TO GIVE WARNING. Therefore, the installer should in turn advise the consumer to take any and all precautions for his or her safety including, but not limited to, fleeing the premises and calling police or fire department, in order to mitigate the possibilities of harm and/or damage.

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