



# **FAST TRACK**

## **TRAINING**



# FAST TRACK TRAINING

## AGENDA & TABLE OF CONTENTS

### AGENDA

#### DAY ONE

- 9:00 a.m. XT75 Hardware Overview
- 10:00 a.m. Dealer Admin Overview
- 10:30 a.m. XT75 Intrusion
- 12:30 a.m. LUNCH
- 1:30 p.m. 1100 Series Wireless
- 3:00 p.m. XT75 Access Control
- 4:00 p.m. END

#### DAY TWO

- 9:00 a.m. Day 1 Review
- 9:30 a.m. XR Hardware Overview
- 10:30 a.m. AlarmVision® w/Dealer Admin
- 11:30 a.m. XR Intrusion
- 12:30 p.m. LUNCH
- 1:30 p.m. 1100 Series Wireless
- 3:00 p.m. XR Access Control Installation
- 4:00 p.m. END

#### DAY THREE

- 9:00 a.m. Day 2 Review
- 9:30 a.m. XR Access Control Programming
- 11:00 a.m. XF6 Installation & Programming
- 12:30 a.m. LUNCH
- 1:30 p.m. Product Spotlights
- 2:30 p.m. X1 Overview
- 3:00 p.m. X1 Installation & Programming
- 4:00 p.m. END

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## XT75 HARDWARE OVERVIEW

### IDENTIFY PANEL COMPONENTS

1. Identify the following panel components using your panel or the on-screen photo:

- › Reset header
- › Programming header
- › Outputs
- › AC Power terminals
- › Cellular pins
- › 1100 Series antenna connection
- › On-board zone terminals
- › Network connection
- › EXP header

## DEALER ADMIN OVERVIEW

### SYSTEM SET UP

#### SIGN IN TO DEALER ADMIN

1. Go to [dealer.securecomwireless.com](http://dealer.securecomwireless.com). Enter your **EMAIL** and **PASSWORD**, then press **SIGN IN**

#### ADD A CUSTOMER

1. At **CUSTOMERS**, select the **PLUS** icon
2. Enter the customer's **NAME** and **EMAIL**
3. Enter the customer's **CONTACT INFORMATION** if desired
4. Select **SAVE**

#### ADD A SYSTEM

1. At the **CUSTOMER SUMMARY** menu, select the **PLUS** icon next to **SYSTEMS** to add a system
2. Enter a **SYSTEM NAME** and select a **SYSTEM TYPE**
3. Select **PRE-PROGRAM SYSTEM** if you would like to make programming selections for a system before it comes online.
  - › Select **AUTO-PROGRAMMING** for Dealer Admin to automatically send the pre-programmed selections to the system when it comes online
  - › If wanting to manually send programming to the system when it comes online, do not select **AUTO-PROGRAMMING**
4. Select the **CONNECTION TYPE**
5. Enter an **ACCOUNT NUMBER**
6. Enter the panel's **SERIAL NUMBER**
7. If applicable, enter the panel's **REMOTE KEY**
  - › Prohibits unauthorized remote access to the system
8. If applicable, toggle **ENABLE VIRTUAL KEYPAD & WEBSITE SERVICES**
9. If applicable, toggle any **ADDITIONAL FEATURES**
10. Select **SAVE**

#### ADD APP USERS

1. At the **CUSTOMER SUMMARY** menu, select the **PLUS** icon next to **APP USERS** to add an App User
2. Enter the App User's **EMAIL**
3. Enter **FIRST NAME** and **LAST NAME**
4. Select the App User's **AUTHORITY LEVEL**
5. Adjust any additional options as needed
6. Select **SAVE**

## XT75 INTRUSION

### KEYPAD

#### POWER UP THE CONTROL PANEL

1. Connect AC power to terminals 1 & 2.
  - › Transformer type: 16.5VAC 40VA
2. Connect battery backup to terminals 3 & 4.
3. Connect alarm bell to terminals 5 & 6.
  - › Normal 12VDC is supplied to terminal 5, terminal 6 is ground reference.
  - › 1/2 W 1K Ohm resistor should be added across the bell circuit for supervision.

#### ENTER PANEL PROGRAMMER

1. Reset the panel using the **RESET JUMPER**.
2. Enter **6653** (PROG) and press **CMD**.
3. Press **CMD** to navigate through the panel programmer menus:
  - › Initialization
  - › Communication
  - › Network Options
  - › Device Setup
  - › Remote Options
  - › System Reports
  - › System Options
  - › Bell Options
  - › Output Options
  - › Output Setup
  - › Area Information
  - › Zone Information
  - › Stop
  - › Set Lockout Code

#### ADJUST COMMUNICATION TYPE

1. Navigate to **COMMUNICATION** and press a top-row select area
2. Press a top-row select area to clear the default **ACCOUNT NUMBER**
3. Enter in an **ACCOUNT NUMBER**
4. Press **CMD** to navigate to **PATH**
5. Press **1** to program **PATH 1**
6. Press a top-row select area to display the **COMMUNICATION** types
7. Select **NET**
8. Press **CMD** to navigate to **RECEIVER IP**
9. Press a top-row select area and enter in the DMP Tech Support receiver IP Address
  - › 066.119.023.101 (Port 2001)
10. Press **CMD** to exit **COMMUNICATION**.

#### ADD A KEYPAD

1. Navigate to **DEVICE SETUP** and press a top-row select area.
2. Enter a device number and press **CMD**.
  - › The valid range for an XT panel is 1-8.
3. Press a top-row select area and enter a device name.
4. Press **CMD** to exit **DEVICE SETUP**.

#### ADJUST THE KEYPAD ADDRESS

##### GRAPHIC TOUCHSCREEN KEYPAD

1. Select **OPTIONS** from the carousel.
2. Select the **INSTALLER OPTIONS** icon.
3. Enter **3577** (INST) and press **CMD**.
4. Select **KPT OPT (KEYPAD OPTIONS)**.
5. Press a top-row select area and enter a new keypad address.

6. Press **CMD** to exit **KEYPAD OPTIONS**.
7. Select **STOP** to save keypad programming.

#### THINLINE KEYPAD

1. Press and hold the **BACK ARROW** and **CMD** for 2 seconds.
2. Enter **3577** (INST) and **CMD**.
3. Select **KPD OPT (KEYPAD OPTIONS)**.
4. Press a top-row select key and enter a new keypad address.
5. Press **CMD** to exit **KEYPAD OPTIONS**.
6. Select **STOP** to save keypad programming.

#### CONFIGURE SYSTEM OPTIONS

1. Navigate to **SYSTEM OPTIONS** and press a top-row select area.
2. Press a top-row select area to display the list of system types.
3. Select **AREA** as the system type.
4. Press **CMD** to navigate to **ENTRY DELAY 1**.
5. Press a top-row select area and choose a time from 30 to 250 seconds.
6. Repeat this process for **ENTRY DELAY 2**.
7. Press **CMD** to navigate to **HOURS FROM GMT**.
8. Press a top-row select area and enter in the appropriate hours from GMT for your location and press **CMD**.
9. Press **CMD** to navigate to **HOUSE CODE**.
10. Press a top-row select area and enter a house code from 1-50 and press **CMD**.
11. Press **CMD** to navigate to **ENTER WEATHER ZIP CODE**.
12. Press a top-row select area and enter a local ZIP code to display weather alerts on the keypad.

#### ADD AN AREA

1. Navigate to **AREA INFORMATION** and press a top-row select area.
2. Press **CMD** until **EXIT DELAY** displays.
3. Press a top row select key or area and enter a time between 45 and 250 seconds.
4. Enter an **AREA NUMBER** and press **CMD**.
5. Press a top-row select area and enter an **AREA NAME**.
6. Press a top-row select area to clear any text and enter in a new area name.
7. Exit **AREA INFORMATION** and navigate to **STOP** to save changes.

#### ADD A WIRED ZONE

1. Navigate to **ZONE INFORMATION** and press a top-row select area.
2. Enter a **ZONE NUMBER** and press **CMD**.
3. Press a top-row select area and enter a **ZONE NAME**.
4. Press a top-row select area and select a **ZONE TYPE**.

5. Press a top-row select area to display the list of available areas and select the appropriate area for this zone.
6. At the **NEXT ZONE?** prompt, select **YES**.
7. Navigate to **STOP** to save programming.

#### STANDARD WALK TEST

1. At the keypad, enter **8144** (WALK) to enter the **WALK TEST** menu.
2. Select **BG** to begin the standard walk test.
3. Walk around the installation site, tripping wired and wireless zones to complete the standard walk test.

#### PIR WALK TEST

1. At the keypad, enter **8144** (WALK) to enter the **WALK TEST** menu.
2. Select **PIR** to begin the PIR walk test.

#### DIAGNOSTIC MENU

1. At the keypad, enter **2313** (DIAG) to enter the **DIAGNOSTIC MENU**.
2. Navigate to **COMM STATUS** and press a top-row select area to begin the **COMM STATUS** test.
3. Press **CMD** to navigate to **CELL SIGNAL** and press a top-row select area to begin the **CELL SIGNAL** test.
4. Press **CMD** and select **STOP** to exit the **DIAGNOSTIC MENU**.

#### CREATE A GROUP

1. At the keypad, press **CMD** until the **USER MENU?** prompt displays.
2. Select **YES** and enter the **DEFAULT MASTER CODE** to enter the **USER MENU**.
3. Using **CMD**, navigate to **GROUP?** and press a top-row select area.
4. Select **ADD** and enter **2** to create Group 2.
5. Press a top row area to name the group **ACCESS**.
6. Assign **ARM/DISARM AREA 2** and press **CMD**.
7. Navigate to **DOOR ACCESS** and confirm it is set to **YES**.
8. Navigate to **FIRST ACCESS SCHEDULE** and press the third select area to enter the schedule number for the access schedule.
9. **LIST** will show the schedule names.
10. Press **CMD** until **GROUP 2 ADDED** is displayed.
11. Create another group named **MANAGEMENT** using Group 3.

› The instructor will provide settings for this group.

#### ADD A USER CODE

1. At the keypad, press **CMD** until the **USER MENU?** prompt displays.
2. Select **YES** and enter the **DEFAULT MASTER CODE** to enter the **USER MENU**.
  - › The code is next to a serial number on a label on the PCB.
3. Using **CMD**, navigate to **USER CODES?** and press a top-row select area.

4. Select **ADD**.
5. Select the **USER NUMBER** and press **CMD**.
6. Enter in a 4-digit user code and press **CMD**.
7. Press a top-row select area to add a **USER NAME** and press **CMD**.
8. Press a top-row select area to select the **USER LEVEL**.
9. Press **CMD** to save this user.

## ARM & DISARM

1. Arm the system, trip an alarm and disarm.

## XT75 INTRUSION

### DEALER ADMIN PROGRAMMING

#### BASIC SYSTEM PROGRAMMING

1. Select **PROGRAMMING**

#### ADD A COMMUNICATION PATH

1. Select **ADD COMMUNICATION PATH**
2. Enter the **COMMUNICATION PATH**
3. Select the **COMMUNICATION TYPE**
4. Enter the **RECEIVER IP ADDRESS** and **RECEIVER IP PORT**
5. Adjust additional options as needed

#### ADD A KEYPAD

1. Go to **DEVICE SETUP**
2. Select **ADD DEVICE**
3. Enter a **DEVICE NUMBER**
4. Enter in the **DEVICE NAME**
5. Select **KEYPAD** in **DEVICE TYPE**
6. Adjust additional options as needed

#### CONFIGURE SYSTEM OPTIONS

1. Go to **SYSTEM OPTIONS**
2. Select the **SYSTEM TYPE**
3. At **HOURS FROM GMT**, enter in the hours from GMT for your location
4. At **WIRELESS HOUSE CODE**, enter a house code from 1-50
5. At **WEATHER ZIP CODE**, enter a local ZIP code to display weather alerts on the keypad

#### ADD AN AREA

1. Go to **AREA INFORMATION**
2. Select **ADD AREA**
3. Enter an **AREA NUMBER** and an **AREA NAME**
4. Adjust additional options as needed

#### ADD A WIRED ZONE

1. Go to **ZONE INFORMATION**
2. Select **ADD ZONE**
3. Enter a **ZONE NUMBER** and a **ZONE NAME**
4. Select the **ZONE TYPE**
5. Select the **AREA** the zone is assigned to
6. Adjust additional options as needed

### SEND PROGRAMMING TO SYSTEM

1. Select **SEND PROGRAMMING** to send programming to system

## DEALER ADMIN SETTINGS

### MONITORING CENTER

1. Select the **SETTINGS** tab on the side menu
2. Select **MONITORING CENTER**
3. Follow these steps to add a Monitoring Center
  - A. Select the **PLUS ICON** next Monitoring Centers
  - B. Select your monitoring center under the Choose Integration drop-down menu
  - C. Select **ADD**
  - D. Fill in the login information for the Monitoring Center then press **SAVE**
5. Follow these steps to add a Receiver
  - A. Select the **PLUS ICON** next to Receivers
  - B. Fill in the receiver information
  - C. Press **SAVE**

### MONITORING CENTER VIDEO VERIFICATION

1. Select the **SETTINGS** tab on the side menu
2. Select **DEALER**
3. Select the **MONITORING CENTER VIDEO VERIFICATION** tab
4. Select **ALLOW MONITORING CENTER VIDEO VERIFICATION**
5. Edit the Monitoring Center Video Verification settings as desired
6. Select **SAVE** in the top-right corner

### VIRTUAL KEYPAD DEFAULTS

1. Select **VIRTUAL KEYPAD**
2. Select the options that you want defaulted for Virtual Keypad settings
3. Select **SAVE**

## 1100 SERIES WIRELESS

### KEYPAD

#### ADD A WIRELESS ZONE (KEYPAD)

1. Navigate to **ZONE INFORMATION** and press a top-row select area.
2. Enter a **ZONE NUMBER** and press **CMD**.
  - Valid wireless zone numbers are 500-599.
3. Press a top-row select area and enter a **ZONE NAME**.
4. Press a top-row select area and select a **ZONE TYPE**.
5. Press a top-row select area to display the list of available areas and select the appropriate area for this zone.
6. At the **NEXT ZONE?** prompt, select **NO** to program a wireless zone.
7. At the **WIRELESS?** prompt, select **YES** and press **CMD**.

8. Enter a **SERIAL NUMBER** and press **CMD** to navigate to the **NEXT ZONE?** Prompt.
9. Navigate to **STOP** to save programming.

### WIRELESS CHECK-IN TEST

1. At the keypad, enter **8144** (WALK) to enter the **WALK TEST** menu.
2. Select **WLS** to begin the wireless check-in test without leaving the keypad.
3. The panel will send a message to each wireless device to ensure it is communicating properly.

## DEALER ADMIN PROGRAMMING

### ADD A WIRELESS ZONE (DEALER ADMIN)

1. Go to **ZONE INFORMATION**
2. Select **ADD ZONE**
3. Enter a **ZONE NUMBER** and a **ZONE NAME**
4. Select the **ZONE TYPE**
5. Select the **AREA** the zone is assigned to
6. Toggle **DMP WIRELESS**
7. Enter the **SERIAL NUMBER**
  - Install the battery into the wireless device only after programming has been sent to the panel
8. Adjust additional options as needed

### SEND PROGRAMMING TO SYSTEM

1. Select **SEND PROGRAMMING** to send programming to system

## XT75 ACCESS CONTROL

### ADD A 734 INTERFACE MODULE

1. Connect the 734 module to the **KEYPAD BUS**.
2. Use the dip switches on the 734 to address the module.
3. Reset the panel and enter **6653** (PROG) to enter the panel programmer.
4. Using **CMD**, navigate to **DEVICE SETUP**.
5. Program the 734 at the same address set with the dip switches.
6. Press a top-row select area to name the device.
7. Press a top-row select area to program the **DEVICE TYPE** as a **DOOR**.
8. Set **PUBLIC DOOR**, **FIRE EXIT**, and **DOOR REAL-TIME STATUS** to **YES**.
9. Connect the reader to **TERMINALS 1-4** on the 734.
10. Connect the **POSITIVE** terminal on the external power supply to the **C** (Common) terminal on the 734.
11. Connect the **NEGATIVE** terminal on the door strike to the **NEGATIVE** terminal on the external power supply.
12. Connect the **POSITIVE** terminal on the door strike to the **NO** (Normally Open) terminal on the 734.
13. Install the Model 333 Suppressor between the **C** and **NO** terminals on the 734.

### CREATE A SCHEDULE

1. At the keypad, press **CMD** until the **USER MENU?** prompt displays.
2. Select **YES** and enter the **DEFAULT MASTER CODE** to enter the **USER MENU**.
3. Using **CMD**, navigate to **SCHEDULES?** and press a top-row select area.
4. Select **TIMES**.
5. To create a time schedule, select **ADD**.
6. Press **1** to create Schedule 1.
7. Press a top row area to name the schedule **ACCESS**.
8. Press **CMD** and select a day of the week.
9. Enter the **BEGIN** and **END** times for the chosen day.
10. Set times for each day of the week.
11. Create another schedule named **LIGHTS**.

### ADD A USER CODE WITH PIN

1. Enter the **USER MENU** and navigate to the **USER CODES?** prompt.
2. Press a top-row select area to add a **USER CODE**.
3. Select **ADD**.
4. Select the **USER NUMBER** and press **CMD**.
  - The fourth top row select area will display the lowest available user number.
5. Enter in a 5-digit user code and press **CMD**.
6. Press a top-row select area to add a **USER NAME** and press **CMD**.
7. Press a top row select area enter **2** to assign **GROUP 2** to this user.
  - **LIST** will display the group names.
8. Press **CMD** until **USER ADDED** displays.

### ADD A USER CODE WITH CARD

1. Enter the **USER MENU** and go to **USER CODES?**
2. Press a top-row select area to add a **USER CODE**.
3. Select **ADD**.
4. Select the **USER NUMBER** and press **CMD**.
5. Scan card by waving it over the blue status LED.
6. Press a top-row select area and add a **USER NAME** and press **CMD**.
7. Press a top-row select area and enter **2** to assign **GROUP 2** to this user.
8. Press **CMD** until **USER ADDED** displays.



## XR HARDWARE OVERVIEW

### IDENTIFY PANEL COMPONENTS

1. Identify the following panel components using the panels in front of you, or the on-screen photo:

- |                      |                       |                           |
|----------------------|-----------------------|---------------------------|
| • Reset header       | • AC Power terminals  | • On-board zone terminals |
| • Programming header | • 1100 Series antenna | • Network connection      |
| • Outputs            | • Cellular pins       | • EXP header              |

## ALARMVISION WITH DEALER ADMIN

### INSTALL THE XV GATEWAY

The XV Gateway with AlarmVision allows customers to create actions, outputs, or alarms that can be triggered based on the detection of a person, vehicle, or animal in specific areas of their property. Here is how to set one up:

1. Connect a network cable from the Control Panel to a network switch
2. Connect a network cable from the XV Gateway to any network switch that is on the same subnet as the Control Panel

### ENABLE THE XV ON DEALER ADMIN

1. Log into Dealer Admin
2. Find the customer and select the relevant account number
3. Select **EDIT**
4. Under **VIDEO**, enable **XV SERIES WITH ALARMVISION**, then press **SAVE**

### ADD THE XV TO THE SYSTEM

1. Log into Dealer Admin
2. Find the customer and select the relevant account number
3. On the **SYSTEM INFORMATION** page, press the **+ XV GATEWAY** and enter the XV's **DEVICE NAME** and **MAC ADDRESS**, then press **ADD**
4. Once entered, the screen will display **CONNECTION PENDING**, when connection to the panel has been established, the screen will display **CONNECTED**

### ADD CAMERAS TO THE XV

If the XV Gateway is enabled on Dealer Admin, users will not be able to view a camera if it is not added to the XV. Here is how to add a camera to the XV:

1. In the **VIDEO** section of **SYSTEM INFORMATION**, select **+ ADD CAMERA**
2. The XV Gateway will automatically find and attempt to connect with any hardwired camera on the same subnet
3. Select **+ ADD MANUALLY**, choose **RTSP STREAM** or **ONVIF**, enter the **IP ADDRESS** of the camera, then select **ADD**
  - If the camera requires a username and password to view, enter the information when prompted

### ADD DETECTION REGION

Adding a detection region creates a customizable area that can have analytics tied to it. Here is how to add a detection region to a camera:

1. Select a camera connected to the XV Gateway
2. In the **REGIONS & ANALYTICS** section, select **+ REGION** and give it a **NAME, ZONE NUMBER**, and an **AREA**

### ADD ALARM ZONE

Alarm Zones allow detection regions tied to cameras to trigger panel events. Here is how to add an alarm zone:

1. Select a camera connected to the XV Gateway
2. In the **REGIONS & ANALYTICS** section, select **+ ADD ALARM ZONE** and give it a **NAME, ZONE NUMBER**, and **AREA**
  - The Zone Number will automatically be populated with the next available zone number in the XR Series Control Panel. You may assign a different zone number, if desired. Usable zones are LX500-999.

### EDIT A ZONE

Alarm Zones are a Night type zone by default. Editing a zone allows all Zone Information to be adjusted, such as Zone Type, Alarm Action and more. Here is how to edit a zone:

1. Select **PROGRAMMING** on the selected system
2. Navigate to **ZONE INFORMATION** and select a **ZONE**
3. Edit Zone information as desired

### DELETE DETECTION REGIONS AND ZONES

Zones should NOT be deleted from the Zone Information section of programming. If you attempt to delete a zone this way, a message appears explaining that the panel's detection region will not properly communicate with the panel. Here is how to delete a zone:

1. Select a camera connected to the XV Gateway
2. In the **REGIONS & ANALYTICS** section, select the **TRASH CAN ICON** then select **SAVE**

### VIEWING THE CAMERA

1. Select the camera name under Video on the System Information screen to display a live video feed for the first 12 hours after activation.
2. Position the camera in the desired location.
  - After 12 hours the camera feed cannot be seen through Dealer Admin, unless the user enables video access through Virtual Keypad.

### CAMERAS FROM VIRTUAL KEYPAD

1. Log in to Virtual Keypad
2. Select **VIDEO**
3. Select a camera to view the live stream

## DOWNLOADING CLIPS

Clips are automatically deleted after the internal storage on the XV Gateway becomes full. Download clips in order to prevent them from being inaccessible.

Here is how to download clips:

1. Log into Virtual Keypad
2. Select **VIDEO**
3. Select a camera to download clips from
4. Select the share icon to download that clip

## XR INTRUSION

### KEYPAD

#### POWER UP THE CONTROL PANEL

1. Connect AC power to terminals 1 & 2.
  - Transformer type: 16.5VAC 50VA
2. Connect battery backup to terminals 3 & 4.
3. Connect alarm bell to terminals 5 & 6.
  - Normal 12VDC is supplied to terminal 5, terminal 6 is ground reference.
  - 1/2 W 1K Ohm resistor should be added across the bell circuit for supervision.

#### ENTER PANEL PROGRAMMER

1. Reset the panel using the **RESET JUMPER**.
2. Enter **6653 (PROG)** and press **CMD**.
3. Press **CMD** to navigate through the panel programmer menus:

- |                   |                      |                    |
|-------------------|----------------------|--------------------|
| ▸ Initialization  | ▸ Bell Options       | ▸ PC Log Reports   |
| ▸ Communication   | ▸ Output Options     | ▸ Area Information |
| ▸ Network Options | ▸ Output Information | ▸ Zone Information |
| ▸ Device Setup    | ▸ Stop               |                    |
| ▸ Remote Options  | ▸ Output Groups      | ▸ Set Lockout Code |
| ▸ System Reports  | ▸ Status List        | ▸ Feature Upgrade  |
| ▸ System Options  | ▸ Menu Display       |                    |

#### ADJUST COMMUNICATION TYPE

1. Navigate to **COMMUNICATION** and press a top-row select area
2. Press a top-row select area to clear the default **ACCOUNT NUMBER**
3. Enter in an **ACCOUNT NUMBER**
4. Press **CMD** to navigate to **PATH**
5. Press **1** to program **PATH 1**
6. Press a top-row select area to display the **COMMUNICATION** types
7. Select **NET**
8. Press **CMD** to navigate to **RECEIVER IP**
9. Press a top-row select area and enter in the DMP Tech Support receiver IP Address
  - 066.119.023.101 (Port 2001)
10. Press **CMD** to exit **COMMUNICATION**.

#### ADD A KEYPAD

1. Navigate to **DEVICE SETUP** and press a top-row select area.
2. Enter a device number and press **CMD**
  - The valid range for an XR150 panel is 1-8, XR550 is 1-16.

3. Press a top-row select area and enter a **DEVICE NAME**
4. Press **CMD** to confirm the **DEVICE TYPE**
5. Press **CMD** to exit **DEVICE SETUP**

#### ADJUST THE KEYPAD ADDRESS

##### GRAPHIC TOUCHSCREEN KEYPAD

1. Select **OPTIONS** from the carousel
2. Select the **INSTALLER OPTIONS** icon
3. Enter **3577 (INST)** and press **CMD**
4. Select **KEYPAD OPTIONS (KPT OPT)**
5. Press a top-row select area and enter a new keypad address
6. Press **CMD** to exit Keypad Options
7. Select **STOP** to save keypad programming

##### THINLINE KEYPAD

1. Press and hold the **BACK ARROW** and **CMD** for 2 seconds
2. Enter **3577 (INST)** and **CMD**
3. Select **KEYPAD OPTIONS (KPD OPT)**
4. Press a top-row select area or key to change the keypad address
5. Press **CMD** to exit **KEYPAD OPTIONS**
6. Select **STOP** to save keypad programming

#### CONFIGURE SYSTEM OPTIONS

1. Navigate to **SYSTEM OPTIONS** and press a top-row select area
2. Press **CMD** to navigate to **ENTRY DELAY 1**
3. Press a top-row select area and choose a time from 30 to 250 seconds
4. Repeat this process for **ENTRY DELAY 2**
5. Press **CMD** to navigate to **HOURS FROM GMT**
6. Press a top-row select area, enter in the hours from GMT for your location and press **CMD**
7. Using **CMD**, navigate to **HOUSE CODE**
8. Press a top-row select area and enter a house code from 1-50 and press **CMD**
9. Using **CMD**, navigate to **ENTER WEATHER ZIP CODE**
10. Press a top-row select area and enter a **LOCAL ZIP CODE** to display weather alerts on the keypad

#### ADD AN AREA

1. Navigate to **AREA INFORMATION** and press a top-row select area
2. Press **CMD** until **EXIT DELAY** displays
3. Press a top row select key or area and enter a time between 45 and 250 seconds
4. Press **CMD** to navigate to **AREA NO**
5. Enter an **AREA NUMBER** and press **CMD**
6. Press a top-row select area and enter an **AREA NAME**
7. Press a top-row select area to clear any text and enter in a new area name

- Exit **AREA INFORMATION** and navigate to **STOP** to save changes

### ADD A WIRED ZONE

- Navigate to **ZONE INFORMATION** and press a top-row select area.
- Enter a **ZONE NUMBER** and press **CMD**.
- Press a top-row select area and enter a **ZONE NAME**.
- Press a top-row select area and select a **ZONE TYPE**.
- Press a top-row select area to display the list of available areas and select the appropriate area for this zone.
- At the **NEXT ZONE?** prompt, select **YES**.
- Navigate to **STOP** to save programming.

### STANDARD WALK TEST

- At the keypad, enter **8144 (WALK)** to enter the **WALK TEST** menu.
- Select **BG** to begin the standard walk test.
- Walk around the installation site, tripping wired zones to complete the standard walk test.

### PIR WALK TEST

- At the keypad, enter **8144 (WALK)** to enter the **WALK TEST** menu.
- Select **PIR** to begin the PIR walk test.

### DIAGNOSTIC MENU

- At the keypad, enter **2313 (DIAG)** to enter the **DIAGNOSTIC MENU**
- Press **CMD** until the keypad displays **COMM STATUS** and press a top row select area
- Press **1** to test **COMMUNICATION PATH 1**
- When the signal strength is displayed, select **YES** to continue the test
  - Cellular Communication Only
- Press **CMD** and select **STOP** to exit the **DIAGNOSTIC MENU**

### CREATE A PROFILE

- At the keypad, press **CMD** until the **USER MENU?** prompt displays
- Select **YES** and enter **99+CMD** to enter the **USER MENU**
- Using **CMD**, navigate to **PROFILES?** and press a top-row select area
- Select **ADD** and enter **11** to create Profile 11
- Press a top row area to name the profile **ACCESS**
- Assign **ARM/DISARM AREA 2** and press **CMD**
- Assign **ACCESS AREA 2** and press **CMD**
- Press **CMD** until **DISARM?** displays and select **YES**
- Navigate to **DOOR ACCESS** and confirm it is set to **YES**
- Navigate to **FIRST ACCESS SCHEDULE** and press the third select area to enter the schedule number for the access schedule
- LIST** will show the schedule names

- Press **CMD** until **PROFILE 11 ADDED** is displayed
- Create another profile named **MANAGEMENT** using Profile 12
  - The instructor will provide settings for this profile

### ADD A USER CODE

- At the keypad, press **CMD** until the **USER MENU?** prompt displays.
- Select **YES** and enter the **DEFAULT MASTER CODE** to enter the **USER MENU**.
  - The code is next to a serial number on a label on the PCB.
- Using **CMD**, navigate to **USER CODES?** and press a top-row select area.
- Select **ADD**.
- Select the **USER NUMBER** and press **CMD**.
- Enter in a 4-digit user code and press **CMD**.
- Press a top-row select area to add a **USER NAME** and press **CMD**.
- Press a top-row select area to select the **USER LEVEL**.
- Press **CMD** to save this user.

### ARM & DISARM

- Arm the system, trip an alarm and disarm.

## XR INTRUSION

### DEALER ADMIN PROGRAMMING

#### BASIC SYSTEM PROGRAMMING

- Select **PROGRAMMING**

#### ADD A COMMUNICATION PATH

- Select **ADD COMMUNICATION PATH**
- Enter the **COMMUNICATION PATH**
- Select the **COMMUNICATION TYPE**
- Enter the **RECEIVER IP ADDRESS** and **RECEIVER IP PORT**
- Adjust additional options as needed

#### ADD A KEYPAD

- Go to **DEVICE SETUP**
- Select **ADD DEVICE**
- Enter a **DEVICE NUMBER**
- Enter in the **DEVICE NAME**
- Select **KEYPAD** in **DEVICE TYPE**
- Adjust additional options as needed

#### CONFIGURE SYSTEM OPTIONS

- Go to **SYSTEM OPTIONS**
- Select the **SYSTEM TYPE**
- At **HOURS FROM GMT**, enter in the hours from GMT for your location
- At **WIRELESS HOUSE CODE**, enter a house code from 1-50
- At **WEATHER ZIP CODE**, enter a local ZIP code to display weather alerts on the keypad

**ADD AN AREA**

1. Go to **AREA INFORMATION**
2. Select **ADD AREA**
3. Enter an **AREA NUMBER** and an **AREA NAME**
4. Adjust additional options as needed

**ADD A WIRED ZONE**

1. Go to **ZONE INFORMATION**
2. Select **ADD ZONE**
3. Enter a **ZONE NUMBER** and a **ZONE NAME**
4. Select the **ZONE TYPE**
5. Select the **AREA** the zone is assigned to
6. Adjust additional options as needed

**SEND PROGRAMMING TO SYSTEM**

1. Select **SEND PROGRAMMING** to send programming to system

**DEALER ADMIN SETTINGS****MONITORING CENTER**

1. Select the **SETTINGS** tab on the side menu
2. Select **MONITORING CENTER**
3. Follow these steps to add a Monitoring Center
  - A. Select the **PLUS ICON** next Monitoring Centers
  - B. Select your monitoring center under the Choose Integration drop-down menu
  - C. Select **ADD**
  - D. Fill in the login information for the Monitoring Center then press **SAVE**
5. Follow these steps to add a Receiver
  - A. Select the **PLUS ICON** next to Receivers
  - B. Fill in the receiver information
  - C. Press **SAVE**

**MONITORING CENTER VIDEO VERIFICATION**

1. Select the **SETTINGS** tab on the side menu
2. Select **DEALER**
3. Select the **MONITORING CENTER VIDEO VERIFICATION** tab
4. Select **ALLOW MONITORING CENTER VIDEO VERIFICATION**
5. Edit the Monitoring Center Video Verification settings as desired
6. Select **SAVE** in the top-right corner

**VIRTUAL KEYPAD DEFAULTS**

1. Select **VIRTUAL KEYPAD**
2. Select the options that you want defaulted for Virtual Keypad settings
3. Select **SAVE**

**1100 SERIES WIRELESS****KEYPAD****ADD A WIRELESS ZONE (KEYPAD)**

1. Navigate to **ZONE INFORMATION** and press a top-row select area

2. Enter a **ZONE NUMBER** and press **CMD**
3. Press a top-row select area and enter a **ZONE NAME**
4. Press a top-row select area and select a **ZONE TYPE**
5. Press top-row select area to display the list of available areas and select the appropriate area
6. At the **NEXT ZONE?** prompt, select **NO** to program a wireless zone
7. At the **WIRELESS?** prompt, select **YES** and press **CMD**
  1. Enter a **SERIAL NUMBER** and press **CMD** to navigate to the **NEXT ZONE?** Prompt
  2. Navigate to **ZONE INFORMATION** and press a top-row select area.
  3. Enter a **ZONE NUMBER** and press **CMD**.
    - Valid wireless zone numbers are 500-599.
  4. Press a top-row select area and enter a **ZONE NAME**.
  5. Press a top-row select area and select a **ZONE TYPE**.
  6. Press a top-row select area to display the list of available areas and select the appropriate area for this zone.
  7. At the **NEXT ZONE?** prompt, select **NO** to program a wireless zone.
  8. At the **WIRELESS?** prompt, select **YES** and press **CMD**.
  9. Enter a **SERIAL NUMBER** and press **CMD** to navigate to the **NEXT ZONE?** Prompt.
  10. Navigate to **STOP** to save programming.

**WIRELESS CHECK-IN TEST**

1. At the keypad, enter **8144 (WALK)** to enter the **WALK TEST** menu.
2. Select **WLS** to begin the wireless check-in test without leaving the keypad.
3. The panel will send a message to each wireless device to ensure it is communicating properly.

**DEALER ADMIN PROGRAMMING****ADD A WIRELESS ZONE (DEALER ADMIN)**

1. Go to **ZONE INFORMATION**
2. Select **ADD ZONE**
3. Enter a **ZONE NUMBER** and a **ZONE NAME**
4. Select the **ZONE TYPE**
5. Select the **AREA** the zone is assigned to
6. Toggle **DMP WIRELESS**
7. Enter the **SERIAL NUMBER**
  - Install the battery into the wireless device only after programming has been sent to the panel
8. Adjust additional options as needed

**SEND PROGRAMMING TO SYSTEM**

1. Select **SEND PROGRAMMING** to send programming to system



### XR ACCESS CONTROL

#### ADD A 734 INTERFACE MODULE

1. Connect the 734 module to the **KEYPAD BUS**.
2. Use the dip switches on the 734 to address the module.
3. Reset the panel and enter **6653** (PROG) to enter the panel programmer.
4. Using **CMD**, navigate to **DEVICE SETUP**.
5. Program the 734 at the same address set with the dip switches.
6. Press a top-row select area to name the device.
7. Press a top-row select area to program the **DEVICE TYPE** as a **DOOR**.
8. Set **PUBLIC DOOR**, **FIRE EXIT**, and **DOOR REAL-TIME STATUS** to **YES**.
9. Connect the reader to **TERMINALS 1-4** on the 734.
10. Connect the **POSITIVE** terminal on the external power supply to the **C** (Common) terminal on the 734.
11. Connect the **NEGATIVE** terminal on the door strike to the **NEGATIVE** terminal on the external power supply.
12. Connect the **POSITIVE** terminal on the door strike to the **NO** (Normally Open) terminal on the 734.
13. Install the Model 333 Suppressor between the **C** and **NO** terminals on the 734.

#### CREATE A SCHEDULE

1. At the keypad, press **CMD** until the **USER MENU?** prompt displays
2. Select **YES** and enter **99+CMD** to enter the **USER MENU**
3. Using **CMD**, navigate to **SCHEDULES?** and press a top-row select area
4. Select **TIMES**
5. To create a time schedule, select **ADD**
6. Press **1** to create Schedule 1
7. Press a top row area to name the schedule **ACCESS**
8. Press **CMD** and select a day of the week.
9. Enter the **BEGIN** and **END** times for the chosen day
10. Set times for each day of the week

#### CREATE AN OUTPUT SCHEDULE

1. Re-enter the schedule programming section. Press **CMD** and select **OUTPUT**.
2. Enter output 1, then schedule 2.
3. Press the **BACK ARROW** to exit schedule programming.
4. Advance panel **TIME** to test the **BEGIN** and **END** times for the schedule.

#### CREATE A PROFILE

1. At the keypad, press **CMD** until the **USER MENU?** prompt displays
2. Select **YES** and enter **99+CMD** to enter the **USER MENU**

3. Using **CMD**, navigate to **PROFILES?** and press a top-row select area
4. Select **ADD** and enter **11** to create **PROFILE 11**
5. Press a top row area to enter a name for the profile
6. Assign **ARM/DISARM AREA 2** and press **CMD**
7. Assign **ACCESS AREA 2** and press **CMD**
8. Press **CMD** until **DISARM?** displays and select **YES**
9. Navigate to **DOOR ACCESS** and confirm it is set to **YES**
10. Navigate to **FIRST ACCESS SCHEDULE** and press the third select area to enter the schedule number for the access schedule
11. **LIST** will show the schedule names
12. Press **CMD** until **PROFILE 11 ADDED** is displayed
13. Create another profile using **PROFILE 12**

#### ADD A USER CODE WITH PIN

1. Enter the **USER MENU** and navigate to the **USER CODES?** prompt
2. Press a top-row select area to add a **USER CODE**
3. Select **ADD**
4. Select the **USER NUMBER** and press **CMD**
  - The fourth top row select area will display the lowest available user number
5. Enter in a 5-digit user code and press **CMD**
6. Press a top-row select area to add a **USER NAME** and press **CMD**
7. Press a top row select area enter **12** to assign **PROFILE 12** to this user
  - LIST will display the profile names
8. Press **CMD** until **USER ADDED** displays

#### ADD A USER CODE WITH CARD

1. Enter the **USER MENU** and go to **USER CODES?**
2. Press a top-row select area to add a **USER CODE**
3. Select **ADD**
4. Select the **USER NUMBER** and press **CMD**
5. Scan card by waving it over the blue status LED
6. Press a top-row select area and add a **USER NAME** and press **CMD**
7. Press a top-row select area and enter **11** to assign **PROFILE 11** to this user.
8. Press **CMD** until **USER ADDED** displays

### XF6 HARDWARE OVERVIEW

#### IDENTIFY PANEL COMPONENTS

1. Identify the following panel components using the panels in front of you, or the on-screen photo of the XF6.

- |                      |                        |                      |
|----------------------|------------------------|----------------------|
| • Reset header       | terminals              | • On-board zone      |
| • Programming header | • Cellular pins        | terminals            |
| • Outputs            | • 1100 Series receiver | • Network connection |
| • AC Power           | connection             |                      |

## XF6 INSTALLATION & PROGRAMMING

### POWER UP THE PANEL

1. Connect AC power to terminals 1 & 2
  - Transformer type: 24 VDC 130 VAC
2. Connect battery backup to terminals 3 & 4
  - One 24 V battery or two 12 V batteries wired in series
3. Connect NAC circuits to terminals 13 & 14 or 15 & 16

### ENTER PANEL PROGRAMMER

1. Reset the panel using the **RESET JUMPER**
2. Enter **6653** (PROG) and press **CMD**
3. Press **CMD** to navigate through the panel programmer menus:

▸ Initialization	▸ Device Setup	Information
▸ Communication	▸ System Options	▸ Output Groups
▸ Network Options	▸ Bell Options	▸ Zone Information
▸ Remote Options	▸ Output Options	▸ Stop

### ADJUST COMMUNICATION TYPE

1. Navigate to **COMMUNICATION** and press a top-row select area
2. Press a top-row select area to clear the default **ACCOUNT NUMBER**
3. Enter in an **ACCOUNT NUMBER**
4. Press **CMD** to navigate to **PATH**
5. Press **1** to program **PATH 1**
6. Press a top-row select area to display the **COMMUNICATION** types
7. Select **NET**
8. Press **CMD** to navigate to **CHECKIN**
9. Press a top-row select area and select **YES**
10. Press a top-row select area and enter your **CHECKIN MINS**
11. Press a top-row select area and enter your **FAIL MINS**
12. Press **CMD** to navigate to **RECEIVER IP**
13. Press a top-row select area and enter in the DMP Tech Support receiver IP Address
  - 209.248.148.051 (Port 2001)
14. Press **CMD** to navigate to **PATH**
15. Press **2** to program **PATH 2**
16. Press a top-row select area to display the **COMMUNICATION TYPES**
17. Select **CELL**
18. Press **CMD** to navigate to **PATH TYPE**
19. Press a top-row select area and select **PRIMARY** or **BACKUP**
20. Press **CMD** to navigate to **CHECKIN**
21. Press a top-row select area and select **YES**
22. Press a top-row select area and enter your **CHECKIN MINS**
23. Press a top-row select area and enter your **FAIL MINS**

24. Press **CMD** to navigate to **RECEIVER IP**
25. Press a top-row select area and enter in the DMP Tech Support receiver IP Address
  - 209.248.148.051 (Port 2001)
26. Press **CMD** to navigate to **ADVANCED**
27. Press the fourth top-row select area
28. Press **CMD** to exit **COMMUNICATION**

### ADD AN ANNUNCIATOR

1. Navigate to **DEVICE SETUP** and press a top-row select area
2. Enter a **DEVICE NUMBER** and press **CMD**
3. Press a top-row select area and enter a **DEVICE NAME**
4. Press **CMD** to confirm the **DEVICE TYPE**
5. Press **CMD** to exit **DEVICE SETUP**

### ADJUST AN ANNUNCIATOR ADDRESS

1. Navigate to **OPTIONS** on the carousel menu
2. Select **INSTALLER OPTIONS**
3. Enter **3577** (INST) and **CMD**
4. Select **KEYPAD OPTIONS (KPD OPT)**
5. Press a top-row select area to change the keypad address
6. Press **CMD** to exit **KEYPAD OPTIONS**
7. Select **STOP** to save keypad programming

### CONFIGURE SYSTEM OPTIONS

1. Navigate to **SYSTEM OPTIONS** and press a top-row select area
2. Press **CMD** to navigate to **HOURS FROM GMT**
3. Press a top-row select area, enter in the hours from GMT for your location and press **CMD**
4. Using **CMD**, navigate to **HOUSE CODE**
5. Press a top-row select area and enter a house code from 1-50 and press **CMD**
6. Press **CMD** to navigate to **SEND 16 CHAR NAMES**
7. Press the third top-row select area to select **NO**
8. Press **CMD** to exit **SYSTEM OPTIONS**

### ADD A WIRELESS FIRE ZONE DEALER ADMIN

1. Select the **CUSTOMERS** tab on the side menu
2. Select a **SYSTEM** to open the System Information page for that system
3. Select **PROGRAMMING**
4. Select **ZONE INFORMATION**
5. Enter a **ZONE NUMBER** and **ZONE NAME**
  - Valid wireless zone numbers are 500-599 on an XF6-100 and 500-999 on an XF6-500
6. Select the Zone Type drop-down menu and select **FIRE**
7. Toggle on **DMP WIRELESS**
8. Enter a **SERIAL NUMBER**
9. Select **SEND ALL CHANGES**

**KEYPAD**

1. Reset the panel using the **RESET JUMPER**
2. Enter **6653 (PROG)** and press **CMD**
3. Press **CMD** to navigate to Zone Information and press a top-row select key
4. Enter a **ZONE NUMBER** and press **CMD**
  - Valid wireless zone numbers are 500-599 on an XF6-100 and 500-999 on an XF6-500
5. Press a top-row select area and enter a **ZONE NAME**
6. Press a top-row select area and select **FI (FIRE)**
7. Press a top-row select area and enter the **FIRE BELL OUTPUT**
8. At the **NEXT ZONE? NO YES** prompt, select **NO** to program a wireless zone
9. At the **DMP WIRELESS? NO YES** prompt, select **YES** and press **CMD**
10. Enter a **SERIAL NUMBER** and press **CMD** to navigate to the **NEXT ZONE? NO YES** prompt
11. Navigate to **STOP** to save programming

**ADD A WIRED FIRE ZONE****DEALER ADMIN**

1. Select the **CUSTOMERS** tab on the side menu
2. Select a **SYSTEM** to open the System Information page for that system
3. Select **PROGRAMMING**
4. Select **ZONE INFORMATION**
5. Enter a **ZONE NUMBER** and **ZONE NAME**
  - Valid wireless zone numbers are 500-599 on an XF6-100 and 500-999 on an XF6-500
6. Select the Zone Type drop-down menu and select **FIRE**
7. Select **SEND ALL CHANGES**

**KEYPAD**

1. Reset the panel using the **RESET JUMPER**
2. Enter **6653 (PROG)** and press **CMD**
3. Press **CMD** to navigate to Zone Information and press a top-row select area
4. Enter a **ZONE NUMBER** and press **CMD**
5. Press a top-row select area and enter a **ZONE NAME**
6. Press a top-row select area and select **FI (FIRE)**  
Press a top-row select area and enter the **FIRE BELL OUTPUT**
7. At the **NEXT ZONE? NO YES** prompt, select **YES**
8. Navigate to **STOP** to save programming

**PROGRAM NAC****DEALER ADMIN**

1. Select the **CUSTOMERS** tab on the side menu
2. Select a **SYSTEM** to open the System Information page for that system
3. Select **PROGRAMMING**
4. Select **BELL OPTIONS**

5. Select the **NAC 1 SYNC PROTOCOL** drop-down menu and choose a sync protocol
6. Select the **NAC 2 SYNC PROTOCOL** drop-down menu and choose a sync protocol
7. Select **SEND ALL CHANGES**

**KEYPAD**

1. Reset the panel using the **RESET JUMPER**
2. Enter **6653 (PROG)** and press **CMD**
3. Press **CMD** to navigate to **BELL OPTIONS** and press a top-row select key
4. Press **CMD** to navigate to **SYNC PROTOCOL NAC 1**
5. Press a top-row select area and select the sync protocol for **NAC 1**
6. Press **CMD** to navigate to **SYNC PROTOCOL NAC 2**
7. Press a top-row select area and select the sync protocol for **NAC 2**

**ADD HORN OR STROBE TO NAC**

1. Connect the **POSTIVE WIRE** to **TERMINAL 14** for NAC 1 or **TERMINAL 16** for NAC 2
2. Connect the **NEGATIVE WIRE** to **TERMINAL 15** for NAC 1 or **TERMINAL 17** for NAC 2

**STANDARD WALK TEST**

1. At the keypad, enter **8144 (WALK)** to enter the **WALK TEST** menu
2. Select **STD** to begin the standard walk test
3. Trip wired and wireless zones to complete the standard walk test

**WIRELESS CHECK-IN TEST**

1. At the keypad, enter **8144 (WALK)**
2. Select **WLS** to begin the wireless check-in test

**FIRE DRILL**

1. Enter the **USER MENU** and navigate to the **FIRE DRILL? NO YES** prompt
2. Press a top-row select key to display the **SURE? YES NO** prompt
3. Press the top-row select key underneath **YES** to start the fire drill
4. To end the fire drill either:
  - Enter your **USER CODE** and press **CMD**
  - Enter the **USER MENU** and navigate to the **ALARM SILENCE?** prompt and press a top-row select key

**DIAGNOSTIC MENU**

1. At the keypad, enter **2313 (DIAG)** to enter the **DIAGNOSTIC MENU**
2. Press **CMD** until the keypad displays **COMM STATUS** and press a top row select area
3. Press **1** to test **COMMUNICATION PATH 1**
4. When the signal strength is displayed, select **YES** to continue the test
  - Cellular Communcation Only

5. Press **CMD** and select **STOP** to exit the **DIAGNOSTIC MENU**

## ADD A USER CODE

1. Enter the **USER MENU** and navigate to the **USER CODES?** prompt
2. Press a top-row select area to add a **USER CODE**
3. Select **ADD**
4. Select the **USER NUMBER** and press **CMD**
  - The fourth top row select area will display the lowest available user number
5. Enter in a 5-digit user code and press **CMD**
6. Press a top-row select area to add a **USER NAME** and press **CMD**
7. Press a top row select area and choose **MASTER** or **STANDARD**
8. Press **CMD** until **USER ADDED** displays

## PROGRAM A RELAY

1. Remove all power from the panel
2. Plug a **MODEL 305** relay into the socket for **OUTPUT 1**
  - Make sure the relay is oriented correctly
3. Connect the **MODEL 431** harness to the header between the output sockets
4. Connect the **NEGATIVE** leg of the LED to the **BLACK** terminal on the panel
5. Connect the **POSITIVE** leg of the LED to the **SOLID ORANGE** wire on the harness
6. Connect the **SOLID GRAY** wire to the **RED** terminal on the panel
7. Power the panel back up
8. Enter the Programmer by entering **6653** (PROG) at the keypad
9. Navigate to **OUTPUT OPTIONS** and press and top-row select area
10. Navigate to **FIRE ALR OUT** and set the output to **1**
11. Navigate to **STOP** to save changes and exit the Programmer
12. Press the button to trip **ZONE 1**.
  - Notice the output state follows the zone state.

## X1 OVERVIEW

### IDENTIFY DOOR CONTROLLER COMPONENTS

1. Identify the following panel components using the panels in front of you, or the on-screen photo of the X1 Door Controller.
 

<ul style="list-style-type: none"> <li>▸ Cell Module header</li> <li>▸ PoE Module headers</li> <li>▸ R and L terminals</li> </ul>	<ul style="list-style-type: none"> <li>▸ 4-wire connector</li> <li>▸ Operation LEDs</li> <li>▸ Network connection</li> <li>▸ Power terminals</li> </ul>	<ul style="list-style-type: none"> <li>▸ In &amp; Out readers</li> <li>▸ Inputs</li> <li>▸ Auxiliary outputs</li> <li>▸ Door relay</li> <li>▸ Wet/Dry jumper</li> </ul>
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## X1 INSTALLATION & PROGRAMMING

### CONNECT A CARD READER

#### OSDP

1. Connect the **A WIRE** (485 -) to terminal **G1**
2. Connect the **B WIRE** (485 +) to terminal **LC**
3. Connect the **RED WIRE** (DC +) to terminal **R1**
4. Connect the **BLACK WIRE** (DC -) to terminal **B1**

### WIRE THE INPUTS

1. Connect a **DOOR CONTACT** or **DOOR POSITION SWITCH** to terminal **DS**
2. Connect a **MOTION SENSING DEVICE** or a **MECHANICAL SWITCH** to terminal **RX**
3. Connect an **INPUT** that triggers a **RULE** programmed in Virtual Keypad
4. Connect the **GROUND** to terminal **G**

### WIRE THE ONBOARD OUTPUTS

1. Connect the **NEGATIVE WIRE** of the device to terminal **O1 & O2**
2. Connect the **POSITIVE WIRE** of the device to terminal **12V**

### CONNECT THE DIODE

1. Connect the **INCLUDED DIODE** as close to the **MAGNETIC LOCK** or **DOOR STRIKE** as possible to prevent inductive kickback

### PLACE THE WET/DRY JUMPER

1. Put the **JUMPER** on the **TOP TWO TERMINALS** for **DRY** condition
2. Put the **JUMPER** on the **BOTTOM TWO TERMINALS** for **WET** condition

### WIRE THE ELECTRONIC LOCK

#### MAGNETIC LOCK - NORMALLY CLOSED AND DRY

1. Set **JUMPER** to **DRY**
2. Connect **MAGNETIC LOCK POSITIVE** to terminal **NC**
3. Connect **MAGNETIC LOCK NEGATIVE** to **POWER SUPPLY NEGATIVE**
4. Connect **POWER SUPPLY POSITIVE** to terminal **C**

#### MAGNETIC LOCK - NORMALLY CLOSED AND WET

1. Set **JUMPER** to **WET**
2. Connect **MAGNETIC LOCK POSITIVE** to terminal **NC**
3. Connect **MAGNETIC LOCK NEGATIVE** to X1 terminal **B2**

#### DOOR STRIKE - NORMALLY OPEN AND DRY

1. Set **JUMPER** to **DRY**
2. Connect **DOOR STRIKE POSITIVE** to terminal **NO**
3. Connect **DOOR STRIKE NEGATIVE** to **POWER SUPPLY NEGATIVE**
4. Connect **POWER SUPPLY POSITIVE** to terminal **C**

**DOOR STRIKE - NORMALLY OPEN AND WET**

1. Set **JUMPER** to **WET**
2. Connect **DOOR STRIKE POSITIVE** to terminal **NO**
3. Connect **DOOR STRIKE NEGATIVE** to X1 terminal **B2**

**CONNECT COMMUNICATION****ETHERNET**

1. Connect **ETHERNET CABLE** from the LAN/WAN connection to the X1 PCB **ETHERNET PORT**

**CELLULAR**

1. Plug in the included **STANDOFF** into the **DOOR CONTROLLER BOARD**
2. Carefully insert the **ANTENNA CONNECTOR** through the **TOP OF THE ENCLOSURE**
3. Plug the **CELL MODULE** onto the **STANDOFF**
4. Plug the **CELL MODULE** into the **CELL HEADER**
5. Screw on the **CELL MODULE ANTENNA** to the **ANTENNA CONNECTOR** with the washer on the outside of the enclosure

**WI-FI**

1. Connect the **WI-FI ANTENNA CABLE** to the **WI-FI MODULE**
  - You can connect via an Ethernet or a Wi-Fi connection, but not both at the same time

**POWER UP THE CONTROLLER****INPUT POWER**

1. Connect **TRANSFORMER WIRES** to terminals **1 & 2**
  - 12 V - 24 V AC/DC 2 A
  - Use no more than 70ft of 16 gauge or 40ft of 18 gauge wire between the transformer and the X1 PCB

**BATTERY**

1. Connect the **RED BATTERY LEAD** to the **POSITIVE BATTERY TERMINAL**
2. Connect the **BLACK BATTERY LEAD** to the **NEGATIVE BATTERY TERMINAL**
  - 1.5 Ah (recommended), 9 Ah (max)

**CONFIGURE NETWORK SETTINGS**

1. Connect to the **X1'S SSID**
  - If using a phone, use only Wi-Fi and disable mobile data
2. Enter **192.168.1.1** in the URL field
3. In the **DHCP** option, make edits to the desired fields
  - DHCP: This option is turned on by default
  - Static IP: Turn off DHCP and enter the information in the required fields
4. Select **APPLY**, and the X1 will reset
  - Once the X1 has reset, it will automatically connect to the customer's network

**PROGRAM IN DEALER ADMIN****SIGN IN TO DEALER ADMIN**

1. Go to the [Dealer Admin](#) login page. Enter your **EMAIL** and **PASSWORD**, then press **SIGN IN**

**ADD A CUSTOMER**

1. At **CUSTOMERS**, select the **PLUS** icon
2. Enter the customer's **NAME** and **EMAIL**
3. Enter the customer's **CONTACT INFORMATION** if desired
4. Press **SAVE**

**ADD X1 DOOR CONTROLLER TO A CUSTOMER**

1. Go to **CUSTOMERS**
2. Select a customer to open the **CUSTOMER SUMMARY**
3. In **SYSTEMS**, select the **PLUS** icon
4. Enter a **NAME** for the door controller
5. In **SYSTEM TYPE**, select **X1**
6. Configure billing address and time options as needed
7. Enter the door controller's **SERIAL NUMBER**
8. Press **SAVE**

**PROGRAM X1 DOOR CONTROLLER**

1. Enter a descriptive **NAME** for the door
2. In **STRIKE TIME**, enter the number of seconds that you want the door to unlock when access is granted
3. In **STRIKE DELAY**, enter the number of minutes that you want to delay the door unlock when access is granted
4. In **READER PROTOCOL**, choose a protocol for this door's readers: **WIEGAND** or **OSDP**
  - For OSDP readers, configure buzzer and LED options
5. In **AUTHORIZATION**, choose which authorization type can be used to access any of the doors
6. Turn on additional options as needed
7. Press **SAVE**

**ADD CARD FORMATS**

1. In **CARD FORMATS**, select the **PLUS** icon
2. Give the card format a **NAME**
3. Select a card format and configure **FORMAT SETTINGS**
4. Press **SAVE**

**ADD X1 OUTPUT MODULE**

1. Go to **SYSTEM INFORMATION**
2. Under **OUTPUTS**, select the **PLUS** icon
3. Select the X1 that the output module is connected to
4. For **OUTPUT NAME**, use a descriptive **NAME** for the output expansion module's location
5. For each **RELAY**, name each output that you intend to use
  - Unnamed outputs will not be programmed
6. Press **SAVE**

**ENABLE VIDEO SERVICES**

1. In **VIDEO SERVICES**, select the **PLUS** icon
2. Select the types of cameras or NVR's that you want to enable on the door controller

3. Select any third-party applications that you want to enable on the door controller
  - This allows users to sign in to their services from Virtual Keypad
4. Press **SAVE**
5. Back on the **SYSTEM INFORMATION** page, select the number of cameras and storage space you require or choose the number of doorbells that you want to add to the door controller

### ADD AN APP USER

1. Go to **CUSTOMERS**
2. Select a customer to open the **CUSTOMER SUMMARY**
3. In the **APP USERS** section, select the **PLUS** icon
4. For a user that doesn't have a Virtual Keypad account, select **NEW**
5. For a user that already has an account select **EXISTING**
6. For a new user, enter their **EMAIL ADDRESS**
7. For an existing user, start typing to **SEARCH** for their email and **SELECT** it from the list
8. Set the user's authority level to either **ADMINISTRATOR** to manage multiple door controllers or **STANDARD** to manage a single door controller
9. For a new user, enter their **FIRST** and **LAST NAME**
10. If you don't want to generate a random password for the user, clear **CREATE RANDOM PASSWORD** then manually enter one
11. If you want to email the user video clips, select **EMAIL VIDEO CLIPS**
12. Select systems and permissions for the user
13. Press **SAVE**

### LOGIN AS CUSTOMER

1. Select **LOGIN AS CUSTOMER** to log in to Virtual Keypad
  - This adds you to the door controller as a temporary app user with admin privileges without the capability to view video. Your temporary app user expires and is automatically removed from the door controller after 1 hour.
2. Go to **GROUPS**
3. Select the **PLUS** icon
4. Select the name placeholder and enter a descriptive **NAME** for the group
5. In **DOORS**, add the doors that you want group members to have authority to access
6. In **FLOORS**, add the floors that you want groups members to have authority to access
7. In **ACCESS SCHEDULES**, choose when group members can access the assigned doors
8. Select permissions for group members
9. Select **SAVE**
10. Go to **USERS**
11. Select the user you want to attach the group to
12. Select the group you want the user to have
13. Select **SAVE**

### TEST THE DOOR CONTROLLER

1. Make sure the **READER'S LEDS** and the **DOOR CONTROLLER'S POWER LED** is on
2. If connected to Wi-Fi, the **WI-FI LED** is on solid
3. If connected to network, the **NETWORK PORT LIGHT** is blinking
4. If using an output module, **EACH LED** is on when the relay is on and off when the relay is off