XR SERIES BASICS LAB GUIDE

Instructor-Led Training

IDENTIFY PANEL COMPONENTS

1. Identify the following panel components using the panels in front of you, or the on-screen photo of the XR.
   - Reset header
   - Programming header
   - Outputs
   - AC Power terminals
   - Cellular pins
   - 1100 Series antenna connection
   - On-board zone terminals
   - Network connection
   - EXP header

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

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

ADD A WIRELESS 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 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**
8. Enter a **SERIAL NUMBER** and press **CMD** to navigate to the **NEXT ZONE?** Prompt

ADD A WIRED ZONE

1. Add **ZONE 1** as a hard-wired zone in the **ZONE INFORMATION** menu
   - EOL resistor value is defaulted to 1k, but you can change the value up to 2.2k for taking over an existing panel in System Options.

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. 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

PIR WALK TEST

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

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**

EDIT AREA NAMES

1. Press **CMD** to navigate to **AREA INFORMATION**
2. Press a top-row select area to enter **AREA INFORMATION**
3. Enter an **AREA NUMBER** and press **CMD**
4. Press **CMD** until **EXIT DELAY** displays
5. Press a top row select key or area and enter a time between 45 and 250 seconds
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
8. Arm, disarm and trip an alarm in Area system type

ARM & DISARM

1. Arm the system, trip an alarm and disarm

CHANGE THE SYSTEM TYPE TO A/P

1. Enter the panel programmer by entering **6653** (PROG) at the keypad
2. Navigate to **SYSTEM OPTIONS** and press a top-row select area
3. Press a top-row select area to display the list of system types
4. Select **A/P** as the system type
5. Exit **SYSTEM OPTIONS** and navigate to **STOP** to save changes
6. Arm, disarm and trip an alarm in A/P system type

CHANGE THE SYSTEM TYPE TO H/S/A

1. Enter the panel programmer by entering **6653** (PROG) at the keypad
2. Navigate to **SYSTEM OPTIONS** and press a top-row select area
3. Press a top-row select area to display the list of system types
4. Select **H/S/A** as the system type
5. Exit **SYSTEM OPTIONS** and navigate to **STOP** to save changes
6. Arm, disarm and trip an alarm in H/S/A system type

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
11. Create another schedule named **LIGHTS**

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 name the profile **ACCESS**
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 named **MANAGEMENT** using Profile 12
    - The instructor will provide settings for this profile

ADD A USER CODE WITH PIN

14. Enter the **USER MENU** and navigate to the **USER CODES?** prompt
15. Press a top-row select area to add a **USER CODE**
16. Select **ADD**
17. Select the **USER NUMBER** and press **CMD**
    - The fourth top row select area will display the lowest available user number
18. Enter in a 5-digit user code and press **CMD**
19. Press a top-row select area to add a **USER NAME** and press **CMD**
20. Press a top row select area enter **12** to assign **PROFILE 12** to this user
    - LIST will display the profile names
21. 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

PROGRAM AN ANNUNCIATOR OUTPUT

1. Remove all power from the panel
2. Connect a 4-wire harness to the **OUTPUTS** header on the panel
3. Connect the **POSITIVE** leg of the LED to the **RED** terminal on the panel
4. Connect the other leg of the LED to **OUTPUT 3** on the panel
5. Power the panel back up
6. Enter the Programmer by entering **6653** (PROG) at the keypad
7. Navigate to **AREA INFORMATION** and press a top-row select area
8. Navigate to settings for **AREA 1**

9. Navigate to **ARMED OUTPUT** and press a select area to clear the current setting
10. Set the output to **3**
11. Navigate to **STOP** to save changes and exit the Programmer
12. Arm **AREA 1** to confirm the output is working

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 **POSITIVE** leg of the LED to the **RED** terminal on the panel
5. Connect the other leg of the LED to the second **ORANGE** wire on the harness
6. Connect the second **GRAY** wire to the **BLACK** terminal on the panel
7. Power the panel back up
8. Enter the Programmer by entering **6653** (PROG) at the keypad
9. Navigate to **ZONE INFORMATION** and press a top-row select area
10. Navigate to settings for **ZONE 1**
11. Program **ZONE 1** as a **NIGHT** type zone in **AREA 1**
12. At the **NEXT ZN?** prompt, select **NO**
13. Navigate to **DISARMED SHORT** and press **CMD** until **OUTPUT NO** is displayed
14. Press a select area to set the output to **1**.
15. Set the output action to **FOLLOW**
16. Navigate to **STOP** to save changes and exit the Programmer
17. Press the button to trip **ZONE 1**.
    - Notice the output state follows the zone state.

CREATE AN OUTPUT SCHEDULE

1. Enter the user menu and press **CMD** until **SCHEDULES?** is displayed.
2. Press a select area, then select **TIMES**, then **ADD**.
3. Enter 1 for the schedule number, then name the schedule **LED**.
4. Set begin and end times for each day of the week.
5. When all times are set, press the **BACK ARROW** until **SAVING SCHEDULES** is displayed on the keypad.
6. Re-enter the schedule programming section. Press **CMD** and select **OUTPUT**.
7. Enter output 1, then schedule 1.
8. Press the **BACK ARROW** to exit schedule programming.
9. Advance panel time to test the begin and end times for the schedule.

QUESTIONS

What else would you like to learn about the XR series?

NOTES: