



# XR150/550 ACCESS 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
- › T100 Series antenna connection
- › On-board zone terminals
- › Network connection

## 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
- › Messaging Setup
- › 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

## 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

## 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 enter a name for the schedule
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 schedule 2

## 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

## 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.

## 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. Assign **ACCESS AREA 2**
9. Set **PUBLIC DOOR, FIRE EXIT, and DOOR REAL-TIME STATUS** to **YES**
10. Connect the reader to **TERMINALS 1-4** on the 734
11. Connect the **POSITIVE** terminal on the external power supply to the **C** (Common) terminal on the 734
12. Connect the **NEGATIVE** terminal on the door strike to the **NEGATIVE** terminal on the external power supply
13. Connect the **POSITIVE** terminal on the door strike to the **NO** (Normally Open) terminal on the 734
14. Install the Model 333 Suppressor between the **C** and **NO** terminals on the 734

## ADD A 734N/734N-POE

The 734N and 734N-POE only have one difference and that is how they are powered. To program a 734N/734N-POE, programming needs to take place in two places: the panel and the 734N/734N-POE.

### PANEL PROGRAMMING

1. Reset the panel and enter **6653** (PROG) to enter the panel programmer
2. Using **CMD**, navigate to **NETWORK OPTIONS**
3. Write down the **PANEL IP ADDRESS**
4. Write down the 734N **LISTEN PORT** and make sure it is open to the local network
5. Press a top-row select area to set the 734N **PASSPHRASE**
6. Using **CMD**, navigate to **DEVICE SETUP**
7. Program a **DEVICE NUMBER** for the 734N
  - For AX-Bus use, the 734N must be at least v101 (10/21/16)
8. Press a top-row select area to name the device
9. Assign **ACCESS AREA 2** to the device
10. Set **PUBLIC DOOR, FIRE EXIT, and DOOR REAL-TIME STATUS** to **YES**

### WIRING/734N PROGRAMMING

1. Connect the 734N to the local network
  - For 734N-POE connect network cable to a POE switch
2. Connect the reader to **TERMINALS 1-4**
3. Connect DC power
  - The 734N accepts 12-24VDC power input
4. Plug a keypad into the **PROG** header on the 734N
  - The keypad should be Address 1 with supervision turned on
5. Press **CMD** to navigate to **734N COMMUNICATION** and press a top-row select key
6. Program the **DEVICE NUMBER** for the 734N
  - This should match the device that was created in the panel
7. If entering **STATIC IP** information, set **DHCP** to **NO**, otherwise, press **CMD**
  - The 734N requires an IP, subnet mask, and gateway address for static network programming
8. Enter the **PANEL IP PORT**
  - This should match the 734N Listen Port from the panels' programming
9. Enter the 734N **PASSPHRASE** that was entered in the panel
10. Program access options for this door
11. Using **CMD**, advance to **STOP** and press a top-row select key to save programming
12. Remove the keypad from the **PROG** header
13. Connect the **POSITIVE** terminal on the external power supply to the **C** (Common) terminal on the 734N

14. Connect the **NEGATIVE** terminal on the door strike to the **NEGATIVE** terminal on the external power supply
15. Connect the **POSITIVE** terminal on the door strike to the **NO** (Normally Open) terminal on the 734N
16. Install the Model 333 Suppressor between the **C** and **NO** terminals on the 734N

## ADD A CUSTOM CARD FORMAT

### PANEL PROGRAMMING

1. Reset the panel and enter **6653** (PROG) to enter the panel programmer
2. Using **CMD**, navigate to **DEVICE SETUP**
3. Press a top-row select key to enter **DEVICE SETUP**
4. Press a top-row select key to enter **CARD FORMATS**
5. Enter 1 then **CMD** to program the first card format
6. Press a top-row select key to name the format **DMP 39 bit**
7. Press **CMD** to navigate to **WIEGAND CODE LENGTH**
8. Press a top-row select key to enter the length of **39**
9. Press **CMD** to navigate to **SITE CODE**
10. Press a left top-row select key and enter **1** for **SITE CODE POSITION**, then press **CMD**
11. Press a right top-row select key and enter **17** for **SITE CODE LENGTH**, then press **CMD**
12. Press a left top-row select key and enter **18** for the **USER CODE POSITION**, then press **CMD**
13. Press a right top-row select key and enter **20** for the **USER CODE LENGTH**
14. Press **CMD** to advance to **REQUIRE SITE CODE?**
15. Press **CMD** to leave as **NO**, otherwise press a left top-row key to change to **YES**, press **CMD**
16. Press a right top-row key and enter **7** at **NUMBER OF USER CODE DIGITS**, then press **CMD**
17. At the Card Formats screen, press the back-arrow key to return to **CARD FORMATS**
18. Press the back-arrow key again to return to **DEVICE SETUP**
19. Using **CMD**, advance to **STOP** and press a top-row select key to save programming

### PROGRAM A 39 BIT 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

## SETTING UP ANTI-PASSBACK

### PROGRAMMING DEVICE

Anti-Passback requires 2 734's and 2 readers

1. On first 734 program an **ACCESS AREA** and an **EGRESS AREA**.
2. Enter the panel programming menu and navigate to **DEVICE SETUP**.
3. Enter the **DEVICE ADDRESS** of your first 734.
  - This is typically the 734 that is on the outside of the door.
4. Program an Access Area as **AREA 1**.
5. Program an Egress Area as **AREA 2**.
  - The Egress Area must be different than the Access Area.
6. Enter the **DEVICE ADDRESS** of your second 734.
7. Program an Access Area as **AREA 2**.
8. Program an Egress Area as **AREA 1**.
9. Exit panel programming

### PROGRAMMING USER PROFILE

10. Enter the User Menu and navigate to **PROFILES**.
11. Enter the **PROFILE NUMBER** you would like to create.
12. Under Access Areas make sure to **ASSIGN** both **AREA 1 AND 2**.
13. Enable **ANTI-PASSBACK**.
14. Assign profile to the user.

## ADD AN 1134 WIRELESS WIEGAND MODULE

To program an 1134, programming needs to take place in two places: the panel and the 1134.

### WIRING/DEVICE PROGRAMMING

1. Connect the **POSITIVE** terminal on the external power supply to the **POSITIVE** terminal on the 1134
2. Connect the **NEGATIVE** terminal on the external power supply to the **NEGATIVE** terminal on the 1134
3. Set the **WET/DRY** jumper to **WET**
4. Connect the **POSITIVE** terminal on the door strike to the **NO** (Normally Open) terminal on the 1134
5. Connect the **NEGATIVE** terminal on the door strike to the **NEGATIVE** terminal on the 1134
6. Install the Model 333 Suppressor between the **C** and **NO** terminals on the 1134
7. Connect a door contact to **Zone 2**
8. Connect the REX to **Zone 3**
9. Connect the reader to **TERMINALS 1-4**
10. Plug in the keypad to the 1134 **PROG** header
  - The keypad should be Address 1 with supervision turned on
11. Using **CMD**, navigate to **ACTIVATE ZONE 2 BYPASS**
12. Press the fourth top-row select key to turn on **ZONE 2 BYPASS**

