XR150/XR550 Series Control Panels
March 2016

Version 112 Firmware Update

Version 112 (3/22/16) firmware is now available for download on the DMP Dealer Direct Website at http://dmp.com/dealer.

Effective April 18, 2016, all XR150/XR550 Series panels will be manufactured with updated Version 112 (3/22/16) firmware. As of May 27, 2016, inventory for the XR150/XR550 Series panels will be completely updated to Version 112 (3/22/16) firmware.
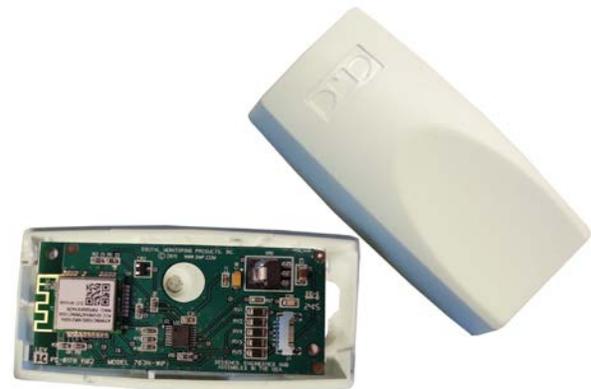
Features

XR150/XR550 Series Control Panels operating with Version 112 (3/22/16) now support the following:

763 Wi-Fi Module

Model 763 Wi-Fi Module uses Wi-Fi network to provide Serial 3 communication for panel messages to the SCS-1R and SCS-VR receivers. The 763 connects to the XR150/XR550 EXP header using the included 3′ harness.

763 Wi-Fi Module

To enable 763 operation, from the Programming Menu of the XR150/XR550, under Communication, select WIFI as the Communication Type. This allows the WiFi SETUP options to display in Network Options. Refer to the included pages from the XR550 Series Programming Guide (LT-1232) for additional information on the programming options.

In the User Menu, Wi-Fi Setup options can be programmed by entering a User Code with WiFi Setup authority in their profile. Refer to the included pages from the XR550 Series User Guide (LT-1278) for additional information on the programming options.

Invalid Code Reporting with EasyEnroll™

The Invalid Code Reporting feature shows code output of card reads that are not programmed in the system. User code output from un-programmed cards can be viewed in the event viewer. The EasyEnroll feature allows invalid codes to be easily added as a user from the event viewer.

When a credential (card code) is presented at a reader and the code is not recognized by the system, the credential is denied access. At a keypad, a user whose profile allows them to view events and add user codes can view and manage invalid user codes from the Display Events menu option.

1. Access the User Menu.

2. Press COMMAND until DISPLAY EVENTS? displays.

3. Press any select key. The keypad displays DISPLAY EVENTS? FRST LST SRT

   ◦ Select FRST (first) to view the oldest to newest events. User COMMAND key to navigate through list.

   ◦ Select LST (last) to view the newest to the oldest events. Use Back Arrow to navigate through list.

▫ Select SRT (sort) to sort through the Display Events log and collect information specific to a user or system event.

・ See *About the Display Events Section* in this guide for more information on using the SRT feature.

4. After selecting FRST LST SRT and the invalid user code event has been found, select a third or fourth select key.

5. The keypad displays the code from the invalid user code for you to view and asks ADD CODE? NO YES.

   ▫ Select NO to return to DISPLAY EVENTS? FRST LST SRT

   ▫ Select YES and the keypad displays USER CODES? USER NUMBER:-

6. Using the keypad, you can enter any user number that is available (range) or press the fourth select area to have the system automatically assign a user number and press COMMAND.

7. USER CODES? USER NAME ### displays on the keypad. Press a top row select key to clear the current name and enter the name you would like.

8. The keypad displays PROFILE NO:-. The profile number ranges from 1 to 99 and determines the areas and functions the user can access. Enter a number and press COMMAND until USER ### ADDED displays.

9. The keypad displays DISPLAY EVENTS? FRST LST SRT. Select an option to view another event or press the Back Arrow key to exit the User Menu.

Note: The panel will only display the last 10 instances from the keypad.

Control4™ Integration

Easily integrate your XR Series panels with Control4 ™. This update now supports the SDDP broadcast required for easy IP integration to Control4. Arm or disarm your system, receive full zone status, as well as custom user codes defined inside the Control4 Composer! For more information go to http://dmp.com/Control4.

Obtaining the New Firmware

XR150/XR550 Series firmware updates are available for download free of charge on the DMP Dealer Direct Website at http://dmp.com/dealer.

Communication

3.1 `COMMUNICATION` ### Communication

Configure the communication options for the panel. The information you program varies with the Communication Type you select.

3.2 `ACCOUNT NO: 12345` ### Account Number

The Account Number is a 1 to 5 digit number used to identify which panel is sending a message. Enter the account number sent to the SCS-1R Receiver. Messages may be sent to a central station or via PC Log Reports to a PC. The default is 12345.

NET, CELL, and DD - The range of valid account numbers for a panel is 1 to 65535. For accounts of four digits or less, do not enter leading zeros.

3.3 `XMIT DELAY:    30` ### Transmit Delay

Enter the number of seconds (15 to 45) the panel waits before sending burglary zones (Night, Day, or Exit) reports to the receiver. Other zone type reports are sent immediately. Alarm bells and relay outputs are not delayed during this period. Program Burglary Outputs for pulsed or steady, and set Abort Reports to YES if Opening and Closing reports are not being sent. Enter 0 (zero) to disable this function. The default is 30.

If the area where the alarm occurred is disarmed during the Transmit Delay time, only an Abort Report (S45) message is sent to the receiver. If the area where the alarm occurred is disarmed after the alarm message is sent to the receiver but before the Bell Cutoff time expires even if the alarm was silenced, an Alarm Cancelled (S49) message is sent. Otherwise the alarm is sent at the end of the delay. The Alarm Cancelled report cannot be disabled.

3.4 `PATH: -` ### Communication Path

Up to eight communication paths may be programmed. Each path is designated as a primary or backup communication route. Path 1 is always Primary but other paths may be programmed as additional primary or backup.

Each primary path establishes a new path group. A path group is made up of the primary path and its subsequent backup paths. Typical communication takes place on the primary path with backup paths being used only when the primary path fails or when the backup path is programmed to duplicate messages. There is no option to backup path 8.

3.5 `COMM TYPE:  NONE` ### Communication Type

Specifies the communication method the panel uses on this path to report system events to DMP SCS-1R, SCS-VR Receivers or non-DMP receivers. Default is NONE for Path 1, and NONE for Path 2-8.

`NONE  DD  NET  CID` **NONE -** For local systems. Selecting NONE ends communication programming.

DD - Digital Dialer communications to a DMP SCS-1R Receiver.

NET - Network communication using the panel onboard network connection. The DMP Network/Output reporting format is transmitted over a data network to the SCS-1R or SCS-VR Receiver.

CID - This option allows the panel to communicate to DMP receivers using the Contact ID format.

`CELL WIFI` **CELL -** This option allows communication over the cellular network using the 263C or 263H Cellular Communicators.

WIFI - Network communication to DMP Model SCS-1R or SCS-VR Receivers.

`PATH TYPE: BACKUP` ### 3.6   Path Type

`PRIMARY        BACKUP` The Path Type defines if the path is Primary or Backup. Because Path 1 is Primary, this option only displays for paths 2-8. Default is Backup.

Note: If the Primary Communication Type is CELL, then the backup Communication Type can only be NET.

3.7 `TEST RPT:  YES` ### Test Report

`NO    YES    DEFER` Test Report determines if test reports are sent on this path. Reports are sent according to the programming in Test Frequency and Test Time. Default is Yes.

Select YES to allow the programmed test report to be sent on the path currently being programmed.

Select DEFER to not send a test report if the panel communicates any message to the receiver within the time set in Test Frequency. Select NO to not send test reports on this path.

3.8 `TEST FREQ:    1  DY` ### Test Frequency

Test Frequency determines the frequency of the test report. Enter a number from 1 to 60 and select DY (Day) or HR (Hour) by pressing the far right select key or area. Default is 1 Day.

3.32 | SEND COMM TRBL: | **Send Communication Trouble**
NO **YES**

This option displays for each path and determines if and how communication trouble on the path is sent to the receiver. A trouble message indicates both the path number and communication type that failed. Default is Yes.

3.33 | SEND PATH INFO: | **Send Path Information**
NO YES

This option displays for each path and if YES, each panel message includes path information such as path number, communication type, and path type. Default is No.

Network Options

Network Options are provided to define the network configuration for the panel. This information will be used during communication of messages via network.

Note: Wi-Fi must be selected as Communication Type in the Communication section for Wi-Fi Setup to display.

Note: IP addresses and port numbers may need to be assigned by the network administrator. When entering an IP, Gateway, or Subnet Mask address be sure to enter all 12 digits and leave out the periods. For example, IP address 192.168.000.250 is entered as 192168000250.

4.1 | NETWORK OPTIONS | **Network Options**

This option is for configuring the desired network settings. Press any select key or area to select.

4.2 | WPS LIST MANUAL | **WiFi Setup**

| TEST |

This option is for connecting to the desired Wi-Fi network and will display only when Comm Type is set to Wi-Fi. Press any select key or area to select.
WPS LIST MANUAL displays. Press the first select key or area to choose WPS to automatically connect to a WPS enabled router. Press the second select key or area to choose LIST and see the name and signal strength of any Wi-Fi routers in range. Press the third or fourth select key or area to choose MANUAL and enter the name of the Wi-Fi router you wish to connect to. Pressing COMMAND displays TEST. To select TEST press the first select key or area to verify connection of your system to the Wi-Fi network.

4.2.1 | SEARCHING   . | **WPS**

When WPS is selected, SEARCHING displays. Press the WPS button on the Wi-Fi network router to which you are attempting to connect. SEARCHING displays for up to two minutes or until connected to the WPS enabled router. Refer to the router's instruction manual for sending a security key to the XR150/XR550 Series panel.
If the panel fails to connect to the WPS enabled router, WPS FAILED RETRY? NO YES displays. Press the fourth select key or area to RETRY or press the third select key or area to display WPS LIST MANUAL.

4.2.2 | WPS LIST MANUAL | **List**

| SEARCHING |

| SIGNAL ||||||| |
| HOMENET123 |

| W/L SECURITY: |
| WPA-PSK |

| W/L SECURITY: |
| WEP WPA   NONE |

| W/L KEY: |
| ***************** |

W/L KEY:

When LIST is selected, SEARCHING displays until any Wi-Fi networks are found in range. Once available Wi-Fi networks are found the keypad displays the name of the SSID (Wi-Fi Network name) and signal strength of each network. Press COMMAND to scroll through the list of available Wi-Fi networks. When the desired network is displayed, press any select key or area to connect.
Note: If the panel is unable to detect the security type, W/L SECURITY with the default security type WPA-PSK displays. If a different security type is required, press COMMAND and WEP WPA NONE displays. Press the select key or area of the desired security type to choose.

When connecting to the Wi-Fi network the panel also detects the security type in use and W/L KEY: *************** displays.
Enter the W/L KEY and the panel performs a connection test and CONNECTING displays. When successful, CONNECTED displays on the keypad. If the panel does not connect to the Wi-Fi network, NOT CONNECTED displays. Press COMMAND to return to the Wi-Fi SETUP main screen.

4.2.3 | WPS LIST MANUAL | **Manual**

| WIFI SETUP |
| ENTER SSID |

This option allows you to enter the desired network name using the keypad. When MANUAL is selected, the current settings display. Press COMMAND to continue with no change. SecureCom is the default.
Use the number keys on the keypad to enter a new or different SSID (Wi-Fi Network name), there is no need to press the select keys or areas. Once the SSID is entered, press COMMAND and SEARCHING displays.

Wi-Fi Setup

Your system may include Wi-Fi Setup in your User Profile. If enabled, Wi-Fi Setup allows you to add, remove or test Wi-Fi Networks in your system when using the optional Wi-Fi module. Press any select key or area to display the available Wi-Fi Setup options WPS, List, Manual, and press COMMAND again to display TEST.

- Select WPS to automatically connect a Wi-Fi network to your system.
- Select List to display a list of Wi-Fi networks in range of your system.
- Select Manual to enter the Wi-Fi network name to your system.
- Select Test to verify connection of your system to the Wi-Fi network.

WPS

1. Press the WPS button on the selected Wi-Fi network router to start the pairing operation.
2. Access the User Menu.
3. Press COMMAND until WIFI SETUP? displays.
4. Press any select key or area. The keypad displays WPS LIST MANUAL. Press COMMAND again to display TEST.
5. Select WPS and SEARCHING displays. The panel searches for the Wi-Fi network router attempting to pair. When WPS is successful, CONNECTED displays on the keypad. If WPS is unsuccessful, WPS FAILED RETRY? NO YES displays. Press YES and the panel searches for the Wi-Fi network router attempting to pair. Press NO and WPS LIST MANUAL displays.

List

1. Access the User Menu.
2. Press COMMAND until WIFI SETUP? displays.
3. Press any select key or area. The keypad displays WPS LIST MANUAL. Press COMMAND again to display TEST.

4. Select LIST and SEARCHING displays. The panel searches for available Wi-Fi networks that are in range. Once available Wi-Fi networks are found the keypad displays the SSID NAME and signal strength of each network. Press COMMAND to scroll through the available Wi-Fi networks. When the desired network is displayed, press any select key or area to connect.
5. When connecting to the Wi-Fi network the panel also detects the security type in use and W/L KEY: *************** displays.

   Note: If the panel is unable to detect the security type, W/L SECURITY with the default security type WEP displays. If a different security type is required, press any select key or area and WEP WPA NONE displays. Press the select key or area of the desired security type to choose.
6. Enter the W/L KEY and the panel performs a connection test and CONNECTING displays. When successful, CONNECTED displays on the keypad. If the panel does not connect to the Wi-Fi network, NOT CONNECTED displays. Press COMMAND to return to the WIFI SETUP main screen.

Note: See Entering Non-Alpha Characters in the Introduction for information on entering a Wireless Key.

Manual

1. Access the User Menu.
2. Press COMMAND until WIFI SETUP? displays.
3. Press any select key or area. The keypad displays WPS LIST MANUAL. Press COMMAND again to display TEST.
4. Select MANUAL and the Wi-Fi network currently programmed in the panel is displayed. If there is no Wi-Fi network currently programmed in the panel, enter the name of the Wi-Fi network and press COMMAND to connect. The default is SecureCom.

User Profiles Chart

Note: For All/Perimeter or Home/Sleep/Away systems use the default profiles 1 through 10. For Home/Sleep/Away with Guest systems use the default profiles 1 through 9 for the main house system, default profiles 12-19 for the Guest 1 house system, and default profiles 22-29 for the Guest 2 house system. Profiles 12-19 and 22-29 default to the same authorities as profiles 2-9. For example, profile 13 and 23 have the same authorities as profile 3.

Menu Display			Authority	Predefined Profile Number											
				1	2	3	4	5	6	7	8	9	10	11-98	99
ALM SLNC	NO	YES	Alarm Silence	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes
SNSR RST	NO	YES	Sensor Reset	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes
LOCKDOWN	NO	YES	Lockdown	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
DOOR LOCK/UNLOCK	NO	YES	Door Lock/Unlock	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
DOOR ACS	NO	YES	Door Access	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
ARM AREA	NO	YES	Armed Areas	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes
OUTPUTS	NO	YES	Outputs ON/OFF	No	No	No	No	Yes	Yes	Yes	Yes	Yes	No	No	Yes
ZN STATS	NO	YES	Zone Status	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes
BYPAS ZN	NO	YES	Bypass Zones	No	No	No	No	No	Yes	Yes	Yes	Yes	No	No	Yes
ZONE MON	NO	YES	Zone Monitor	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes
SYS STAT	NO	YES	System Status	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes
SYS TEST	NO	YES	System Test	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes
PROFILES	NO	YES	User Profiles	No	No	No	No	No	No	No	No	Yes	No	No	Yes
USR CODE	NO	YES	User Codes	No	No	No	No	No	No	No	No	Yes	No	No	Yes
EXTEND	NO	YES	Extend Schedules	No	No	No	No	No	Yes	Yes	Yes	Yes	No	No	Yes
SCHEDULS	NO	YES	Schedules	No	No	No	No	No	No	Yes	Yes	Yes	No	No	Yes
TIME	NO	YES	Time	No	No	No	No	No	No	Yes	Yes	Yes	No	No	Yes
DIS EVNT	NO	YES	Display Events	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes
SERV REQ	NO	YES	Service Request	No	No	No	No	No	No	No	Yes	Yes	No	No	Yes
FIRE DRILL	NO	YES	Fire Drill	No	No	No	No	No	No	No	Yes	Yes	No	No	Yes
TEMP CODE	NO	YES	Temp User Code	No	No	No	No	No	No	No	No	No	No	No	No
ANTI PASS	NO	YES	Anti-Passback	No	No	No	No	No	No	No	No	No	No	No	No
ACCESS SCHEDULES	Sch. 1-99		Access Time	-	-	-	-	-	-	-	-	-	-	-	-
RE ARM DLY	0 – 720		Re-Arm Delay	No	No	No	No	No	No	Yes	Yes	Yes	No	No	Yes
EASY ARM/DISARM	NO	YES	Arm/Disarm	No	No	No	No	No	No	No	No	No	No	No	No
SEC LANGUAGE	NO	YES	Preferred Language	No	No	No	No	No	No	No	No	No	No	No	No
CARD PLUS PIN	NO	YES	Card Plus Pin	No	No	No	No	No	No	No	No	No	No	No	No
WIFI SETUP	NO	YES	WiFi Setup	No	No	No	No	No	No	No	No	Yes	No	No	Yes