XR550 Control Panel

Benefits

‣ Onboard dialer

‣ Onboard 10/100 network communication

‣ Plug-in cellular communicators allow for Virtual Keypad™ and monitoring center connection

‣ Flash updatable — locally or remotely over cell or network

‣ Adaptive Technology™ — cost-effective supervised cellular backup

‣ Up to 500 1100 Series™ wireless or wired LX-Bus™ zones

‣ Up to 99 schedules for areas, doors, outputs, Z-Wave® Favorites and profiles

‣ No NOC

Features

‣ Select Area, All/Perimeter or Home/Sleep/Away operation

‣ 32-individual reporting areas with common areas

‣ Up to 96 supervised door access points and/or keypads

‣ Up to 16 supervised keypads, seven of which can be wireless

‣ 32-character names available for user, zone, area, profiles and group names

‣ Up to four profiles per user

‣ Fully supervised network, cellular and Wi-Fi communication

‣ Communications Diagnostics check network and cellular communication status from the keypad

‣ Eight communication paths between the panel and monitoring center

‣ Flexible system arming features with Instant Arming option

‣ Lockdown operation from keypad or mobile app

‣ Up to 562 two-wire smoke detector or fire-initiating zones

‣ 10,000 user codes with 99 profiles and temporary codes

‣ 506 outputs

‣ 12,000 event buffer

‣ Built-in phone line monitor

‣ French, Spanish and English menus available

‣ Custom Actions

‣ 1.5 Amp 12 VDC smoke and auxiliary output with OVC protection

‣ Connect to Virtual Keypad via network only, cell only, or a combination of both

XR550 BANK FEATURES

‣ UL Bank, Safe and Vault

‣ Card Plus Pin

‣ User Inactivity Audit

‣ Dual Authority

‣ Panic Button Test

‣ Early Morning Ambush

XR550E ENCRYPTION FEATURES

‣ 128- or 256-bit AES encryption

‣ NIST Certified

‣ Meets ICD 705

‣ IPV6 Support

FLEXIBLE COMMUNICATION

The XR550 has transitioned from dialer-focused communications to a true network, cellular and Wi-Fi communications approach by providing stronger, multi-layered panel communications that ensure a constant link between the panel and monitoring center.

The unique DMP Serial 3 format supports 32-character user, zone and area names to decrease the monitoring center response time and limit dependence on automation literal tables for message interpretation. Contact ID dialer format is also supported.

NETWORK OR CELLULAR COMMUNICATION

Built-in 10/100 auto-sensing Ethernet connection enhances both standard and encrypted line security options. Both UDP and TCP are supported. The network option can be used as the primary or backup path to the digital dialer or cellular option.

The 263 Series cellular communicators can be used as the primary path, providing installation flexibility where no landlines are available. They can be used as a stand-alone communicator without the need for a backup. When used as the backup path, the 263 Series™ communicators provide the security of a communication link that continues to function, even when landlines are cut or compromised. This interface works over a variety of carriers in the USA and Canada. DualSIM models can use Verizon and AT&T networks. Choose to activate one provider—or both!

ADAPTIVE TECHNOLOGY

If a current primary communication path becomes unavailable, Adaptive Technology directs the panel to make a seamless transition from one communication path to another, ensuring that no check-in or supervision messages are missed. This allows a system to be fully supervised when the primary communication path is unavailable, while minimizing expensive cell traffic when all paths are good. The panel is constantly checking the failed path to enable the panel to revert back to the primary path when communication is restored.

EASYconnect TECHNOLOGY

EASYconnect enables the control panel to establish an outbound connection to SecureCom Wireless™ over the network. This allows for an effortless installation of network panels, without any customer router programming, providing extremely quick app connection times.

EIGHT COMMUNICATIONS PATHS

Create, configure and manage up to eight communication paths between the panel and monitoring center. Each path has its own panel communication programming parameters and can be identified as either primary or backup. This enables installers to configure a reliable communication link, offering greater confidence that the panel will always be connected to the monitoring center.

ENCRYPTION

The XR550 provides encrypted data transmission to the monitoring center and is ideal for secure environments where encrypted data is required. Using 128- or 256-bit AES ensures secure data transmission by using a unique alphanumeric passphrase.

ACCESS CONTROL BURGLARY INTEGRATION

The XR550 is an integrated burglary, fire and access control system that can be configured for users to gain access and disarm the area using a single card read.

COMMUNICATION FUNCTION DIAGNOSTICS

The enhanced diagnostic menu enables technicians to check network and cellular communication status and cell signal strength from the keypad.

AREAS

Program up to 32 areas with a variety of options, including independent arming. Each area has a unique name and may have its own account number.

Common areas automatically arm when the last independent area is armed; likewise, they disarm when the first independent area is disarmed. This is ideal for lobbies or areas where users need common access to specific areas only.

ZONE EXPANSION

The XR550 provides up to 574 zones, programmable for burglary, fire and access applications.

- ‣ 10 Onboard Zones
- ‣ 16 Keypads = 64 Zones
- ‣ Five Built-in LX-Bus (100 zones per LX)

ONE-MAN WALK TEST

A special code is also available for installers to test the system. The One-Man Walk Test allows a single technician to check the panel response to burglary, fire, panic and supervisory zones.

OUTPUTS

The XR550 provides up to 506 outputs that can be activated by zone or system events, by schedule, through the User Menu or when a card is presented. Output Groups allow multiple outputs to activate with a single event and/or can be assigned to a particular user profile.

FLEXIBILITY IN SCHEDULES

Enhanced scheduling for areas, doors, outputs and holiday schedules offer flexibility for your customers. Ninety-nine programmable schedules are available and can be assigned to an area, door or output. The same schedule may be assigned to more than one area, door or output, making them reusable. A list facilitates browsing through the stored names on the keypad.

- ‣ Up to 8 schedules per profile
- ‣ Up to 16 schedules per door
- ‣ Up to 8 schedules per area
- ‣ Up to 8 schedules per output
- ‣ Up to 40 holiday dates

96 ACCESS CONTROL DOORS

Any access control reader with an OSDP or Wiegand output can be connected to the XR550 panel.

The XR550 system can restrict access by schedule, arming level or other criteria. The specific reason for access denial can be displayed on the keypad, stored in events, sent to the monitoring center and DMP Advanced Reporting. Anti-passback feature is also available.

COMMERCIAL FIRE

The XR550 is also approved for commercial fire applications. Integrate intrusion, access and fire into a single application or use the XR550FC as a stand-alone commercial fire alarm control panel. See LT-1317 for more information.

PROGRAMMABLE EOL OPTIONS

You have the flexibility to change the EOL Value from 1k to 2.2k for panel zones 1 – 9. This is easily configured in System Options and allows you to use an XR panel to take over systems with 2.2k without having to pull contacts and change the EOL resistors. While saving you time, it also reduces the cost of takeovers.

END USER BENEFITS

ZONE AUDIT DAYS

This is a valuable auditing tool to determine whether a zone or device has not been tripped within a certain number of days. Whether the system is armed or disarmed, up to 365 days can elapse without the zone being tripped. Each time the zone is tripped, the counter restarts. After the countdown expires, a fault message is sent and the timer begins the countdown again as per the programmed days.

USER INACTIVITY

The User Inactivity audit provides notification of user codes or credentials not used over a programmable period of time; for example, employees or service providers who haven't used their PIN code or access credentials during a defined period of time. This notification promotes the purging of user and access rights as a result of employee termination or service provider changes. This option is found in System Options Programming.

MOBILE PLATFORMS

DMP mobile platforms provide you with the tools you need to build strong connections with your customers. The Virtual Keypad app puts a keypad on users' smartphones and other Android and iOS devices.

FALSE ALARM FEATURES

Providing a way to reduce false alarms, both Cancel/Verify™ and the False Alarm Question prompt users to validate whether an alarm has occurred after entering their codes. In a Home/Sleep/Away or All/Perimeter system, the user can either press Cancel/Verify or Yes/No to confirm alarm status and send it to the monitoring center.

LOCKDOWN

For emergency situations, a Lockdown command can be issued from the keypad menu or via remote command to lock all doors designated as public.

TEMPORARY CODES

Temporary codes are user codes that can be entered with a finite date and specific time to expire.

REAL-TIME STATUS ENHANCES THIRD-PARTY INTEGRATION

Alarm systems are increasingly being integrated with environmental control and home automation systems. With real-time status information from zones, doors and other outputs, XR550 panels are readily integrated with these third-party control and automation systems. See DMP.com/Integration_Partners.

CUSTOM ACTIONS

In addition to controlling lights, locks and thermostats, users can also take advantage of several customizable actions that can be programmed into the panel. Users can select a combined sequence of actions, all based on specific Favorites, lights and locks to activate or deactivate Z-Wave devices, Favorites or outputs during specific times and days or specific zone trips.

PRODUCTS

WIRELESS

1100 Series wireless communication employs 900 MHz frequency-hopping spread-spectrum to ensure clear and accurate signal transmissions without interference in practically any environment. Receivers are alerted of transmitters that go missing with two-way communication. Each wireless transmitter communicates with the receiver using supervision messages.

WIRELESS ONE-BUTTON KEYFOB WITH PROX

The 1144-P is a portable panic button fob, programmable to function in multiple locations with alerts for lost fobs, late to test and low battery power.

WIRELESS ENCRYPTION

1100 Series encryption is for customers who want to add the hardest layer of security. In addition to 900 MHz frequency-hopping spread spectrum supervised communication, these models also offer full support for 128-bit AES (Advanced Encryption Standard) over the air. For added security, 1100 Series encrypted devices also allow you to enter your own passphrase for unique key generation, providing full encryption end to end.

For the highest level of encryption, it is recommended that all devices on the system be encrypted. Each of the products are fully backward compatible with systems that do not support encryption, so they can be added to existing systems or operate as a stand-alone system.

Z-WAVE SUPPORT

Add up to 140 Z-Wave devices with the 738Zplus module for mobile control of lights, locks and thermostats. Up to 20 Favorites allow users to program multiple devices to respond to a single command or panel events like arming and disarming. Z-Wave devices can be controlled with the 7800/9800 Series™ Touchscreen Keypad and Virtual Keypad.

SUPPORT FOR WIRELESS DOOR CONTROL

The 1134 Wireless Access Control Module allows customers to take advantage of the panel's access control capabilities in hard-to-wire locations, such as a gate or warehouse entrance. This eliminates the need for costly wire runs or trenching and provides the ease and flexibility to add access control in nearly any environment.

1100T WIRELESS TRANSLATOR

The 1100T is the industry's only wireless translator listed and approved for life safety. Plus, it makes it easy to take over DSC, Interlogix, Honeywell 5800 and 2 GIG Series systems, all without replacing existing transmitters and sensors. To accommodate the maximum number of supported sensors on the XR550, one 1100T can learn in 99 zones. It communicates to a DMP panel using the panel's built-in wireless receiver. This eliminates wiring and allows you to place the translator anywhere regardless of where the control panel is. With this one device, you can upgrade customers' systems to DMP quality, with software management tools, as well as online and app convenience and functionality without increasing installation costs.

Control Panel

KEYPADS

630F	LCD Remote Fire Command
7000	Series Thinline Keypads
7000A	Series Aqualite Keypads
7463	Network Thinline LCD Keypad
7800	5-inch Touchscreen Keypads
8860	7-inch Touchscreen Keypads
9060	Wireless Keypad
9063	Wireless Keypad w/ Prox Reader
9800	Wireless Touchscreen Keypads

EXPANSION MODULES

708	Bus Extender
710	Bus Splitter/Repeater
711	Single Zone Expansion
711S	Zone Expansion Module
712-8	Eight-Zone Expansion
714	Four-Zone Class B Expansion
714-8	Eight-Zone Class B Expansion
714-16	16-Zone Class B Expansion
715	Four-Zone Two-wire Smoke Expansion
715-8	Eight-Zone Two-wire Smoke Expansion
715-16	16-Zone two-wire Smoke Expansion
716	Output Expansion, four Form C relays, four open collector Outputs
736P	Radionics Interface
738A	Ademco Interface Module
738I	ITI Interface Module

CELLULAR COMMUNICATORS

263LTE-2	LTE Cellular Communicator, DualSIM
263EXT	Cellular Extension Module
263LTE-V/381-2	LTE Communicator, Verizon
263LTE-A/381-2	LTE Communicator, AT&T
263LTE-FN	LTE Communicator, FirstNet

AUXILIARY MODULES

860	Relay Output Module
865	Style W/X Notification Circuit Module
866	Style W Notification Circuit Module
867	LX-Bus Notification Circuit Module
869	Style D Initiating Module
893A	Dual Phone Line Module

POWER SUPPLIES

PS12-5	5 Amps @ 12 VDC

SMOKE/HEAT DETECTORS

2W-BLX	Conventional Smoke
2WT-BLX	Conventional Smoke/Heat

INTRUSION DEVICES

Virtually any other standard intrusion detectors

ACCESS CONTROL

352M-G	Extra Large Enclosure with Mounting Plate
352PM-G	Extra Large Enclosure with Transformers and Mounting Plate
734	Access Control Module
734N	Network Access Control Module
734N-POE	Network Access Control Module
1134	Wireless Access Control Module
OP-08CB	REX Motion Detector

Proximity Readers and Credentials
DMP ProxPatch™

MONITORING CENTER RECEIVERS

SCS-1R	Security Control Receiver
SCS-VR	(Virtual Receiver) Software-only solution that runs on a server for network IP and cellular communications

DMP WIRELESS

1100XH	High-Power Receiver
1100R	Repeater
1100T	Translator
1101	Universal Transmitter, Internal and External Contacts
1102	Universal Transmitter, External Contact
1103	Universal Transmitter, Internal and External Contact
1106	Universal Transmitter, Internal and External Contact
1107	Micro Window Transmitter
1108	Doorbell Module
1114	Four-zone Expander
1115	Temperature Sensor and Flood Detector
1116	Relay Output
1117	LED Annunciator
1118	Remote Indicator Light
1119	Door Sounder
1122	PIR
1126R	360 Ceiling Mount PIR
1127C	Wall Mount Curtain PIR
1127W	Wall Mount Wide Angle PIR
1128	Glassbreak Detector
1132	Recessed Contact
1134	Wiegand Interface Module
1135	Siren, 100 dB
1136	Remote Chime
1139	Bill Trap
1141	Wall Button
1142	Two-Button Hold-up Transmitter
1142BC	Two-Button Belt Clip Hold-up Transmitter
1144-1	One-Button Key Fob
1144-2	Two-Button Key Fob
1144-4	Four-Button Key Fob
1144-1P	One-Button Key Fob
1144-D	Dual-Button Key Fob
1148	Personal Pendant
1154	Four-Zone Input Module
1158	Eight-Zone Input Module
1164	Smoke Detector with Synchronized Sounder
1164NS-W	Smoke Detector with No Sounder
1166	Smoke Ring
1168	Smoke/CO/Low Temp Detector
1183-135F	Heat Detector (Fixed)
1183-135R	Heat Detector (Rate of Rise)
1184	Carbon Monoxide Detector

ENCRYPTED WIRELESS MODELS

1100XHE	High Power Receiver
1100RE	Repeater
1101	Universal Transmitter
1102	Universal Transmitter
1103	Commercial Universal Transmitter
1106	Universal Transmitter
1135E	Siren
1142	Two-Button Hold Up Transmitter
1144	Key Fobs

ACCESSORIES

270	Network Transient Suppressor
271	Ground Fault Detection Module
277	Trouble Annunciator
300	Four-wire Harness
303	Silence/Reset Push-Button
305	Plug-in Output Relay
306	Tamper Harness
307-S	Screw-on Tamper Switch
3012	Clip-on Tamper Switch
335	Intrusion Siren
370	Lightning Suppressor
374	Surge Voltage Suppressor
431	Output Harness
738Z+	Z-Wave Interface Module
861	Power Distribution Module

DEALER MANAGEMENT

Dealer Admin™

END USER MANAGEMENT

Virtual Keypad
VirtualKeypad.com
Entré™ Access Control Software

SYSTEM SPECIFICATIONS

Primary Power (Included):
16.5 VAC 50 VA transformer

Secondary Power:
12 VDC Battery
Models: 364, 365, 366, 368 or 369

Outputs Ratings:
Bell & Smoke Aux Share   2.0 Amps at 12 VDC
(56 VA & 100 VA Transformer options available for up to 3.0 Amps @ 12 VDC)

Current Draw:
174 mA

Enclosures:

Material	
	Cold-rolled steel
Model 350 (Gray or Red)	17.5" W × 13.5" H × 3.5" D
Model 350A (Gray)	17.5" W × 13.5" H × 3.75" D
Model 352X (Gray)	14.5" W × 32" H × 4" D
Model 341 (Gray)	12.75" W × 6.55" H × 3.15" D

CERTIFICATIONS

New York FDNY
FCC Part 68
FCC Part 15
Underwriters Laboratories (UL) Listed
    UL Bank, Safe, and Vault
    UL Commercial Fire
    UL Standard Line Security
    UL Encrypted Line Security
NIST Validated Certificate #2350 and #2595
Underwriters Laboratories Canada (ULC) Listed
California State Fire Marshal (CSFM)