

# SPEC SHEET



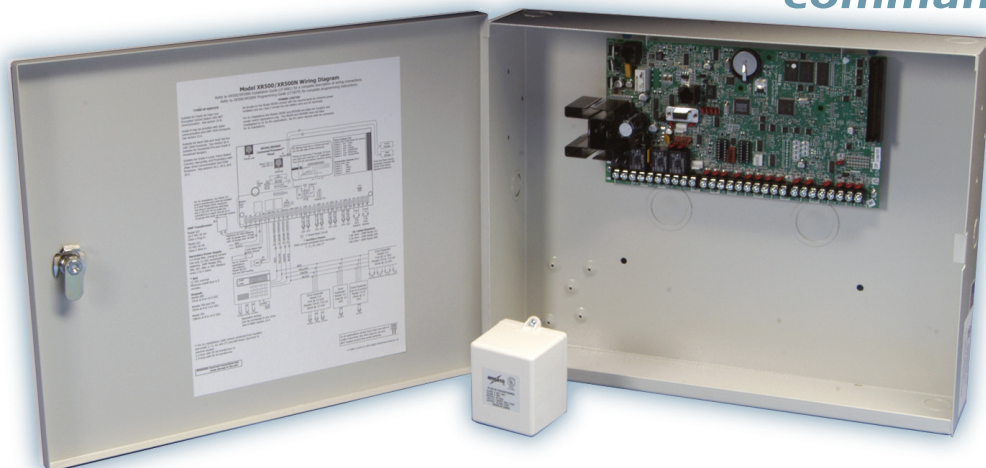
NYC  
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AA HIGHLINE SECURITY  
**NETWORK  
MONITORING!**



*Impressive integration  
features and eight  
communication paths*



- Create, configure and manage up to eight communication paths between the panel and Central Station
- On-board Ethernet connection
- Flash Updateable: No more firmware chips to replace
- Provides up to 500 DMP 1100X Wireless devices
- Adaptive Technology™ instantly transfers standard line supervision from primary to backup paths
- UL Listed for Burglary, Fire, Access Control

DMP XR500 Series Command Processor™ Panels meet all your burglary, fire and access control integration needs.

## **XR500 SERIES ACCESS/BURGLARY/FIRE 574-ZONE COMMAND PROCESSOR™ PANEL**

### **SYSTEM FEATURES**

- Select Area, All/Perimeter, or Home/Sleep/Away operation
- 32 individual reporting areas, with common areas
- Up to 16 supervised door access-points and/or keypads
- Output Groups: Maximum functionality—Minimum programming
- Up to 502 fully-programmable Form C relays
- Up to 562 two-wire smoke detector or fire-initiating zones
- 10,000 user codes with 99 profiles
- 12,000 event buffer
- Up to four independent shift schedules per area OR use one shift schedule to control all areas
- Up to 100 output schedules to control relays and panel outputs
- Up to 20 holiday dates for shift and output schedules
- Serial 3 digital dialer or CID reporting to multiple receivers
- Built-in phone line monitor
- Built-in DB-9 RS-232 or LX-Bus (Selectable)
- Multi-lingual menus available

- 1.5 Amps 12 VDC smoke and auxiliary output with OVC protection
- 16.5 VAC 50 VA plug-in transformer included
- 1.5 Amps 12 VDC supervised bell output

### **XR500N/XR500E SYSTEM FEATURES**

- On-board Ethernet
- Bank, Safe and Vault Operation
- Two Man Rule, Panic Button Test and Early Morning Ambush

### **XR500E SYSTEM FEATURES**

- Built-in AES (Advanced Encryption Standard) Encryption
- NIST Certified and UL Listed Encryption
- Unique user-programmable passphrase for greater security



Digital Monitoring Products

## FLEXIBLE COMMUNICATION

The XR500N has transitioned from dialer-focused communications to a true network and cellular communications approach by providing stronger, multi-layered panel communications that ensure a constant link between the panel and Central Station. Installers have the ability to create, configure and manage up to eight communication paths.

The unique DMP Serial 3 format supports 16-character user, zone and area names to decrease the central station response time and limit dependence on automation literal tables for message conversion.

## ENCRYPTION

The XR500E provides encrypted data transmission and is ideal for secure environments where encrypted data is required. Using AES (Advanced Encryption Standard) Encryption ensures secure data transmission by using a unique alphanumeric passphrase. UL Listed and NIST Certified Encryption.

## NETWORK OR CELLULAR COMMUNICATION

Built-in Ethernet Communications enhance network options and provides Standard and Encrypted Line Security. Both UDP and TCP are supported. The network option can be used as the primary path or as a backup path to the digital dialer or cellular option.

The 463G plug-in Digital Cellular Communicator can be used as the primary path, providing installation flexibility where no land lines are available. Used as the backup path, the 463G provides the security of a communication link that continues to function, even when land lines are cut or compromised. This interface works on digital Cellular GSM/GPRS data networks over a variety of carriers in the USA and Canada.

## EIGHT COMMUNICATION PATHS

Create, configure and manage up to eight communication paths between the panel and Central Station. 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 Central Station

## 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 within milliseconds, 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.

## BUILT-IN PROGRAMMER AND DIAGNOSTICS

Enables installers and service technicians to fully program the system and run diagnostics from any DMP LCD keypad.

## CANCEL/VERIFY

In a Home/Sleep/Away or All/Perimeter system, CANCEL a burglary alarm or VERIFY that a valid burglar alarm has occurred. Selecting VERIFY manually verifies the alarm and an alarm verification message is sent to the Central Station.

## FLASH UPDATEABLE

The XR500 Series panel accepts software updates from a remote location using Remote Link™ software. As new XR500 feature updates release, perform the flash update remotely.

## 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 and disarm when the first independent area is disarmed. This is ideal for lobbies or areas where users need common access to specific areas only.

## AREA DISPLAY

To provide more system flexibility, any combination of areas may be assigned to a particular keypad. In this manner, a 32-area system could function as 16 mini-systems, each having two areas of protection that are controlled from a single keypad.

## ALL/PERIMETER OR HOME/SLEEP/AWAY OPTIONS

The XR500 Series panels support All/Perimeter or Home/Sleep/Away operation. When All/Perimeter operation is selected, Area 1 is the Perimeter and can be separately armed allowing Area 2, the Interior, to remain unarmed while you are inside.

When Home/Sleep/Away operation is selected, Areas 1 and 2 operate as in an All/Perimeter system. Area 3 is the Bedroom area and allows users to arm the perimeter and interior at night while leaving the bedroom area disarmed.

## DMP WIRELESS

The easily programmable 900MHz frequency-hopping spread-spectrum DMP 1100X Series wireless system features Two-way communication for superior operation, supervision and battery life. Two-way communication minimizes repetitive signaling and helps to quickly identify missing transmitters. Simple keypad access can be used to verify that wireless device zones are in working order.



## ZONE EXPANSION

The XR500 provides up to 574 zones, programmable for burglary, fire and access applications. The system contains eight burglary zones and two Class B 12 VDC powered zones. Up to 64 zones are available on 16 keypad addresses and up to 100 zones are available on the built-in LX-Bus. Add up to 500 zones using Expansion Modules.

## CROSS-ZONING

This powerful feature allows zones to be programmed to report alarms only when one or more zones trip twice within 4 to 250 programmable seconds. If only one zone trips within the specified time, a fault report is sent to the central station.

## 10,000 USER CODES

Each user can be assigned to one of 99 different profiles that provide access to any combination of areas.

## 12,000 EVENT MEMORY

The Display Events feature allows users to view up to 2,000 stored openings and closings, zone events, user code and schedule changes and supervisory events. Sort events by a particular user, door and date range. The remaining 10,000 events detail door access granted events separately for easy review. Events may be viewed at any system keypad or uploaded to Remote Link™ software.

## EVENTS MANAGER

Save dial-up monitoring costs by using the Events Manager option to buffer specific non-alarm reports. Automatically download them to the receiver when memory is full or keep them in memory until downloaded with DMP Remote Link™ Software.

## FIRE DRILL AND ONE-MAN WALK TEST

Users can test fire notification bells using the Fire Drill feature. A special code is also available for installers to test the system. The one-man walk test feature allows a single technician to check the panel response to burglary, fire, panic and supervisory zones.

## OUTPUTS

The XR500 allows the use of two SPDT relay outputs and four open-collector outputs, which may 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. Up to 500 outputs are available on the XR500 LX-Bus when optional output expanders are used.

## OUTPUT SCHEDULES

Achieve maximum system flexibility with 100 programmable schedules that simplify planning and operations. Control any contact-activated device with schedules that automatically regulate relays and switched-ground outputs.

## DOOR STRIKE SCHEDULES WITH OVERRIDE

Specific doors may use output schedules to unlock during certain times of the day or night, or the card reader can be completely disabled when desired. The schedule override feature keeps doors locked should the business open later or close earlier than scheduled.

## MULTI-LINGUAL DISPLAY OPTION

XR500 Series systems may be programmed to display the User Menu and Status Display text in multiple languages. When the Command key is pressed, the option to choose a language displays. Select the language to use. The language chosen continues to display at the keypad until another language is chosen.

## SHIFT SCHEDULES WITH HOLIDAYS

Up to four independent Shift schedules are available for each of the 32 areas. Shift schedules are used when areas are programmed to automatically arm or disarm and to transmit area Late-to-Close reports. Shift schedules are assigned to user authorities, called Profiles, to define scheduled permissions for system users. Override normal day-to-day schedules up to a year in advance with up to 20 user-selectable Holiday Dates. Independent holiday schedules are available for each shift, output and door-strike schedule.

## KEYPAD SHORTCUT KEYS

Keypad shortcut keys are provided to simplify operation and allow the user to arm, monitor or reset the system.

## AUTOMATIC BURGLARY SYSTEM DISARMING

The XR500 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!

## ACCESS CONTROL

The XR500 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, logged on a local printer (DMP 462P required), sent to the central station and to DMP Advanced Reporting software.

## THINLINE™ AND AQUALITE™ KEYPADS

The stylish and sleek 7000 Series keypads provide three 2-button Panic keys, AC power and Armed LEDs, 32-character display, backlit logo and keyboard plus an internal speaker. Aqualite Series keypads offer a brilliant Aqua colored LCD display and backlighting.



Aqualite/Thinline Keypad

## VALUABLE VISUAL ALARM INDICATOR

In a normal state, both the keypad and logo backlighting remain Blue on Aqualite keypads or Green on Thinline keypads. However, during an alarm state, the keypad and logo turn Red. The change in color allows persons on-site to instantly recognize an alarm condition.



Red Backlighting for Alarm Conditions

## 7760 CLEAR TOUCH™

An attractive new user interface featuring a glass touchscreen instead of traditional keys. The Blue touchscreen display turns Red for alarm conditions. Available in White, Black or Platinum, the 7760 adds elegance and style to any installation.



7760 Clear Touch™ Keypad

## 16 INDEPENDENT ACCESS CONTROL DOORS

Any access control reader with a 26-40 bit Wiegand output can be connected to the XR500 Series panel. Attach card reader inputs to up to 16 different locations.

## ANTI-PASSBACK

Specific doors and readers can be designated for access to, or egress from, specific areas in the system. This operation requires users to card in and card out of a specific area. Users failing to egress the area are not allowed access into the area again until authorized by the system administrator.





# XR500 SERIES



## KEYPADS

- 7000 Series Thinline Keypads
- 7000A Series Aqualite Keypads
- 7760 Clear Touch Keypad
- 630F LCD Remote Fire Command
- 690/790 Series LCD Security Command
- ePAD™ Virtual Keypad

## EXPANSION MODULES

- 708 Bus Extender
- 710/710F Bus Splitter/Repeater
- 711 Single Zone Expansion
- 712-8 8-zone Expansion
- 714 4-zone Class B Expansion
- 714-8 8-zone Class B Expansion
- 714-16 16-zone Class B Expansion
- 715 4-zone 2-wire smoke Expansion
- 715-8 8-zone 2-wire smoke Expansion
- 715-16 16-zone 2-wire smoke Expansion
- 716 Output Expansion, 4 Form C relays, 4 open collector outputs
- 717 Graphic Annunciator: 20 open collector outputs
- 725 4-zone Expansion, 24 VDC
- 736P Radionics Interface
- 739 X-10 Interface

## INTERFACE CARDS

- 461 Interface Adaptor Card
- 462N Network Interface Card
- 462P Printer Interface Card
- 481 Expansion Interface Card

## AUXILIARY MODULES

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

## PULL STATIONS

- 850 Series Pull Stations

## SMOKE/HEAT DETECTORS

- 521B/BXT Addressable Smoke, CleanMe
- NS6-100W Detector Base
- 521LX/LXT Addressable Smoke/Heat CleanMe
- SLR-835B Conventional Smoke
- SLR-835BH Conventional Smoke/Heat

## TRANSFORMERS

- 322 Wire-in 56 VA
- 327 Plug-in 50 VA (Included)
- 323 Wire-in 56 VA (350 or 350A enclosure required)

## POWER SUPPLIES

- 502-12 2 Amps @ 12 VDC
- 505-12/LX 5 Amps @ 12 VDC
- 505-12L 5 Amps @ 12 VDC
- 505-12A 5 Amps @ 12 VDC

## INTRUSION DETECTORS

- Sentrol® Contacts and Sensors
- Optex PIRs
- Potter Contacts and Sensors
- Tane Contacts and Water Sensors
- Virtually any other Intrusion Detectors

## ACCESS CONTROL

- 733 or 734 Wiegand Interface Module
- OP-08CB REX Motion Detector
- PB-2 Request-to-Exit Button
- Proximity Readers and Credentials
- DMP ProxPatch

## CENTRAL STATION RECEIVERS

- SCS-1R Security Control Receiver
- SCS-105 Single-Line DMP Serial 3 Receiver
- Compatible with Central Station Receivers that accept Standard CID, DD, or DMP Serial 3 messaging

## WIRELESS

- 738A Ademco 32-point Expansion Module
- 738I ITI 96-point Expansion Module

## DMP WIRELESS

- 1100X Wireless Receiver
- 1100XI Wireless In-line Receiver
- 1100XH Wireless High Power Receiver
- 1101 Universal Transmitter, Internal and External Contacts
- 1102 Universal Transmitter, External Contact
- 1114 Wireless Four-Zone Expander
- 1116 Wireless Relay Output
- 1117 Wireless LED Annunciator
- 1118 Wireless Remote Indicator Light
- 1121 Pet Immune PIR Motion Detector
- 1125 PIR Motion Detector
- 1129 Glassbreak Detector
- 1139 Bill Trap
- 1142 Two-Button Hold-up Transmitter
- 1142BC Two-Button Belt Clip Hold-up Transmitter
- 1145 Four-Button Key Fob
- 1146 Two-Button Key Fob
- 1147 One-Button Key Fob
- 1161 Residential Smoke Detector
- 1162 Residential Smoke/Heat Detector

## ACCESSORIES

- 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
- 382-6 AnyNET-DMP Cable (6')
- 382-50 AnyNET-DMP Cable (50')
- 399 Programming Harness
- 431 Output Harness
- 861 Power Distribution Module

## COMPUTER SOFTWARE

- Remote Link Programming Software
- System Link End-User Management Software

Link Server Application

### SYSTEM SPECIFICATIONS

- Primary Power (included) 16.5 VAC 50 VA transformer
- Secondary Power 12 VDC Battery
- Models 365, 366, 367, 368 or 369
- Output Rating
- Bell 1.5 Amps at 12 VDC
- Smoke and Auxiliary 1.5 Amps at 12 VDC
- Current Draw 180mA
- Enclosures:
- Material Cold-rolled steel
- Model 350 17.5" W x 13.5" H x 3.5" D (Gray or Red)
- Model 350A (Gray) 17.5" W x 13.5" H x 3.75" D
- Model 352X (Gray) 14.5" W x 32" H x 4.0" D
- Model 341 (Gray) 12.75" W x 6.55" H x 2.9" D

### LISTINGS AND APPROVALS

- Refer to the XR500 Series Installation Guide (LT-0681), XR500 Series Programming Guide (LT-0679) and specific compliance listings for installation and programming requirements necessary to meet a particular approval.
- ANSI/SIA CP-01-2000 False Alarm Reduction
- California State Fire Marshal (CSFM)
- FCC Part 15
- FCC Part 68
- New York City (MEA)
- NIST Validated XR500E Encrypted Command Processor Certificate #130
- Underwriters Laboratories (UL) Listed
- UL Bank, Safe and Vault
- UL Standard Line Security
- UL Encrypted Line Security
- Underwriters Laboratories Canada (ULC) Listed
- For additional information, visit [www.dmp.com](http://www.dmp.com) and select Compliance.



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2500 North Partnership Boulevard

Springfield, Missouri 65803-8877

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