

## 5 to 32 Zone Expandable Security Systems

Spectra SP offers a combination of innovative features and an advanced communication bus for a uniquely expandable security system. The Spectra SP series expands on the established reliability of Spectra panels with more features and accessories.

This includes StayD, 32 zones, more on-board zones, more on-board PGMs, and support for multipath communication. Multipath communication enables your system to communicate through multiple channels, including telephony with its built-in landline dialer, IP with the IP100 Internet Module, GPRS/GSM/SMS with the PCS Series Module, and voice with the VDMP3 Plug-In Voice Module.

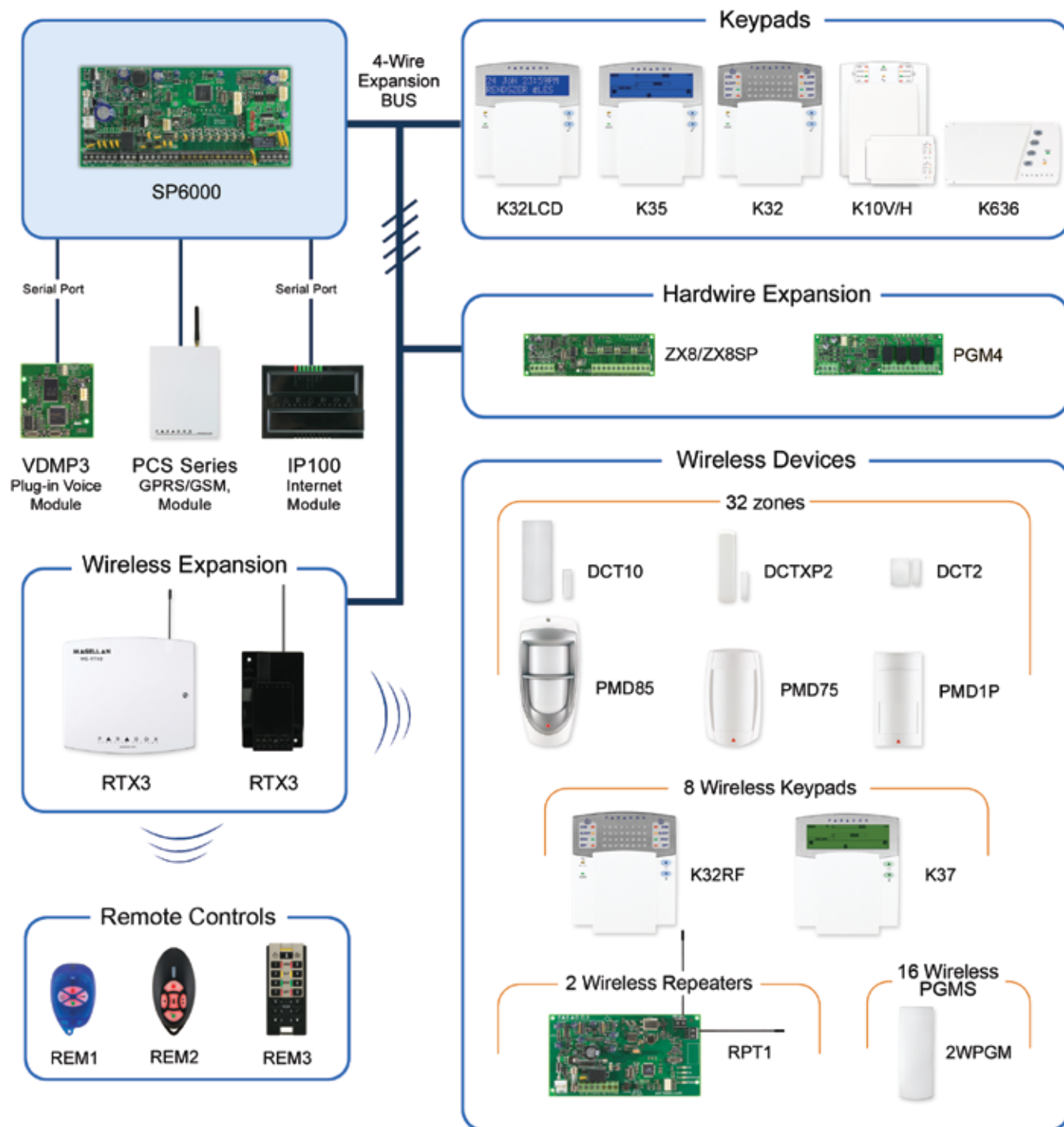
Spectra SP panels can be upgraded on-site, and to further facilitate installation, every panel can be configured using easy-to-follow menu-driven programming.

With its reliable communication technology, flexible expansion and great-looking keypads, Spectra SP is the complete residential or commercial security solution.



- StayD - Always Armed, Never Disarmed
- 5-32 Zones
- 32 User Codes
- 2 Partitions
- 2-16 PGMs
- Wireless Expansion
- Firmware Upgradable
- Internet Communication
- Wireless Communication (GPRS, GSM, SMS)
- Voice Communication

# System Overview



## In-Field Upgradable

Spectra SP is not only easy to install, but is also fully in-field upgradable for simple on-site updates. The process is effortless; connect the PC to the panel and you are a few clicks away from performing a complete system upgrade within minutes. No need to change panels or hardware; all the updates are done using user-friendly software. Spectra SP is compatible with WinLoad Installer Upload/Download software, allowing you to program, update, and monitor the system on-site.

## Internet Communication (IP100)

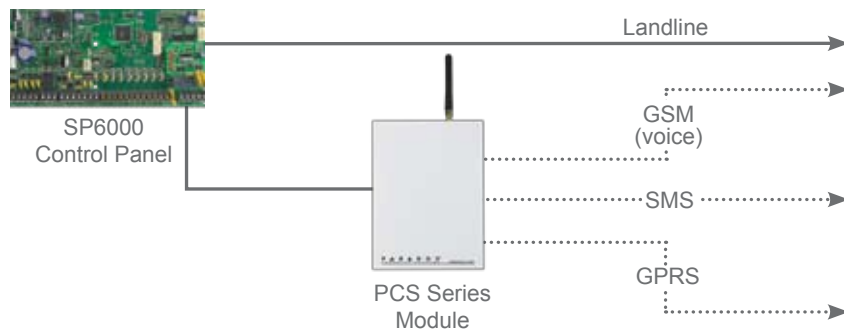
The IP100 Internet Module controls and monitors your security system remotely through any web browser. It allows for email notifications of important system events such as alarms, arm/disarm events, and troubles. For example, receive an email at work when your kids get back from school.

You can also view the live status of your system and arm/disarm it. For example, you have just left your office for the weekend but are not sure you remembered to arm the system. Simply check the status of your system from a laptop and arm it.



## Wireless Communication (PCS Series)

The PCS Series Module provides the Spectra SP series with wireless communications through a GPRS/GSM network to report system events to a monitoring station, remotely upload/download with WinLoad software via GPRS/GSM, send text messages (SMS) of system events on up to 8 cell phones, and send pre-recorded voice messages (VDMP3) to any phone. End users can also arm or disarm the system by sending a text message to the PCS Module.

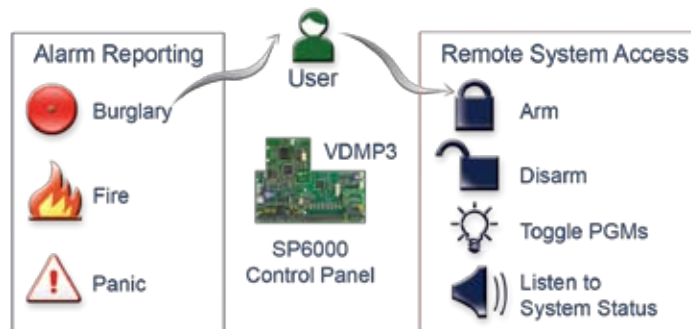


\*Connect Voice Module (VDMP3) to control panel for landline or to PCS Series Module for GPRS/GSM voice channel connection.

All this is achieved through proprietary communication via simple 4-wire serial connection between the control panel and the PCS Series Module. The PCS Series Module is firmware upgradable and can also report the loss of communication with the control panel, or when RF jamming is detected.

## Voice Communication (VDMP3)

The VDMP3 is a voice-assisted module that can be programmed to call up to 5 telephone numbers in the event of an alarm. For example, when an alarm occurs at your store during off-hours, every employee can receive notification via telephone: (sample message) "Area 1 in alarm. Zone 3. Press 1 to disarm the system..."



You can also call the VDMP3 from an outside line, enabling you to arm or disarm the system as well as activate PGMs. The VDMP3 essentially turns any outside telephone into a keypad. The VDMP3 is easy to install; plug it in directly onto the panel, set the phone numbers, and select the activation event.

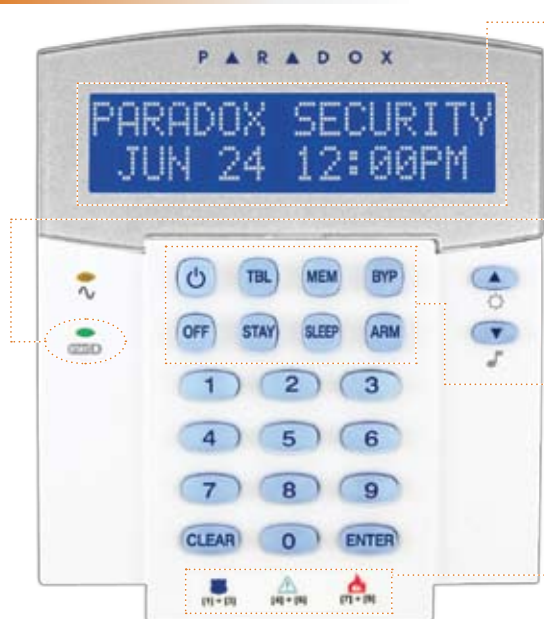
# STAY D™ Always Armed, Never Disarmed

StayD resolves all issues with common security systems and represents the only solution for secure living. The revolutionary StayD feature represents a completely reversed philosophy compared to all other security systems made today. Traditional systems share the same principle; in order to provide security, users must remember to arm the system. Otherwise the system is disarmed and does not provide security. Common systems are also designed to only be armed when you are away from home. A StayD system is always armed, and needs only to be partly disarmed when an entry or exit is needed.

When entering/exiting a site, the system partly disarms to let you pass through: simply notify the system with your remote and go through the designated path which will automatically re-arm after you pass. All other zones remain armed. The result is a system that is always protecting, without the uncertainty of whether the system is armed or not.

Other benefits of StayD include knowing when your kids are accessing potentially dangerous areas, such as the balcony, pool or front door. Also, installation is easy; simply assign the path zones and StayD is fully operational. Now you can truly have peace of mind knowing that you are always protected.

## Keypad Overview



K32LCD: 32 Character Hardwired LCD Keypad

### 32-Character LCD Display

The K32LCD provides the installer and end-user with easy to read menu-driven programming for simple system setup. The display also features adjustable backlight, contrast, and scroll speed.

### StayD Status Light

Instantly tells you whether or not your system is armed in StayD. StayD ensures that you are getting the highest level of protection.

### One-Touch Button Activation

Spectra SP makes controlling your system easy. Arm, bypass or even activate light switches, garage doors and more. All main functions can be activated with the touch of a button.

### Panic Signal Monitoring

Simply press two buttons to send one of three panic signals to a monitoring station. This ensures assistance in case of fire, medical emergency or security breach.

## Specifications - Panel

On-board Zones: SP5500 = 5 / SP6000 = 8 / SP7000 = 16	Telephone Connections
AC Input (16Vac transformer w/ min. 20VA rating (Rec. 40VA), 50 to 60 Hz)	Status and Charge LED
Backup Battery (12Vdc, 4Ah/7Ah)	Service Keypad Port: for installer system programming
1.1A switching power supply	Reset Button: reset the panel to default and restart
Auxiliary Output (600mA typical, 700mA maximum, fuseless shutdown @ 1.1A)	Dialer and E-Bus Ports (for PCS Series Module and VDMP3)
Bell Output (1A, fuseless shutdown @ 3A)	Serial Port (for IP100/307USB)
On-board PGMs: SP5500 = 2 / SP6000 = 2 (+2 optional) / SP7000 = 4 (100mA low-current output - each PGM)	Memory Key Port (for PMC5)
PGM +/- Trigger (except SP5500)	4-Wire Bus: supports 15 keypads, 1 RTX3, 1 RX1, and 3 ZX8 / ZX8SP (15 modules total)
Relay Output: SP5500 = none / SP6000 = optional / SP7000: one relay (5A/28Vdc N.O. /N.C. - each relay)	256 events buffered