SP SPECTRA®

SP6000

SP5500: 5- to 32-Zone Control Panel
SP6000: 8- to 32-Zone Control Panel
SP7000: 16- to 32-Zone Control Panel

4-Wire Expansion BUS

Serial Port

Keypads

MG32LCD:	32-Zone LCD Keypad
MG32I:	32-Zone Fixed LCD Keypad
MG32LED:	32-Zone LED Keypad
MG10LEDV:	10-Zone LED Keypad (Vertical)
MG10LEDH:	10-Zone LED Keypad (Horizontal)
K636:	10-Zone LED Keypad (1 Partition Only)

MG32LCD

Expansion Modules

APR-ZX8:	8-Zone Expansion Module
SP-ZX8:	8-Zone Expansion Module
MG-RTX3:	Wireless Expansion Module
APR-PGM4:	4-PGM Expansion Module

MG-RTX3

2-Port Hub and Bus Isolator

APR3-HUB2

VDMP3
Plug-in
Voice Dialer

Up to 5
Telephone Numbers

IP100
Internet Module

Router

WAN

Any PC with Web Access

Home PC

Accessories

IP100:	TCP/IP Module
VDMP3:	Plug-in Voice Module
PMC5:	Memory Key
307USB:	Direct Connect Interface
WinLoad:	Installer Software

Wireless Keypads and Remotes
(requires MG-RTX3)

MG32LRF
32-Zone Wireless
LED Keypad

REM3
Hand-Held 2-Way
Remote Keypad

MG32IRF
32-Zone Wireless
Fixed LCD Keypad

REM1
Magellan Remote Control
with Backlit Buttons

REM2
Magellan 2-Way Remote Control
with Backlit Buttons

5- to 32-Zone Expandable Security Systems

Spectra SP offers a combination of innovative features and an advanced communication bus for a unique expandable security system. Through its communication bus, Spectra SP can be expanded via wireless and hardwired expansion modules and a variety of accessory modules. With its reliable communication technology, flexible expansion and great-looking keypads, Spectra SP is an ideal security system for any residential or commercial installations that require up to 32 zones of protection.

Spectra SP is StayD-enabled, which provides a heightened level of security that ensures that the system is always armed, never disarmed. The panels also offer more on-board zones (expandable to 32), more on-board PGMs (expandable to 16), and support for the new Plug-In Voice Module (VDMP3) and Internet Module (IP100).

With their in-field firmware upgrade capability, the Spectra SP series allows installers to upgrade their system without hassle - quickly, easily and on site. And to further facilitate installation, every Spectra SP series panel can be configured using easy-to-follow menu-driven programming.

Feature	SP5500	SP6000	SP7000	1727 (p. 28)
StayD	✓	✓	✓	-
Maximum Zones	32*	32*	32*	6
On-board Zones	5 (10 with ATZ)	8 (16 with ATZ)	16 (32 with ATZ)	5
Expansion Zones	24	24	16	-
Keypad Zones	15	15	15	1
Partitions	2	2	2	-
User Codes	32	32	32	8
PGMs	16* (2 on-board)	16* (2+2† on-board)	16* (4 on-board)	2
PGM +/- Trigger	-	✓	✓	-
Alarm Relay	-	1†	1	1
Event Buffer	256	256	256	-
Wireless Expansion (MG-RTX3)	✓	✓	✓	-
2-Wire Smoke Detector Input	-	✓	✓	-
Internet TCP/IP Communication (IP100)	✓	✓	✓	-
Plug-In Voice Module (VDMP3)	✓	✓	✓	-
In-field Firmware Upgradeable	✓	✓	✓	-

* = Any of which can be wireless
† = Optional

Control Panels

SP5500:
STAY D

5- to 32-Zone Control Panel
- StayD mode: see inside cover for details
- 4-wire expansion bus
- 5 zone inputs or 10 with zone doubling, expandable to 32 zones
- 2 on-board PGMs
- Supports up to 16 PGMs
- 2 Partitions
- 32 User Codes
- 1.1A switching power supply
- In-field firmware upgradeable via a 307USB and WinLoad
- Menu-driven programming for the Installer, Master and Maintenance codes
- Multiple phone numbers: 3 for monitoring station, 5 for personal dialing and 1 for pager reporting
- Automatic Daylight Savings Time feature
- Push button software reset (reset to default values and restart)
- Direct connect at 9.6k baud with WinLoad
- 256 events buffered
- Fits in 20cm x 25.5cm x 7.6cm (8in x 10in x 3in) and 28cm x 28cm x 7.6cm (11in x 11in x 3in) metal boxes

SP6000:
STAY D

8- to 32-Zone Control Panel
Same features as the SP5500 plus:
- 8 zone inputs or 16 with zone doubling, expandable to 32 zones
- 2 (+2 optional) on-board PGM outputs, positive or negative triggering
- 1 alarm relay (optional)
- 1.5A switching power supply

SP7000:
STAY D

16- to 32-Zone Control Panel
Same features as the SP6000 plus:
- 16 zone inputs or 32 with zone doubling, expandable to 32 zones
- 4 on-board PGM outputs, positive or negative triggering
- 1 alarm relay

Hardwired Keypads

Features Common to All Hardwired Keypads
STAY D
- Supports StayD
- 1 keypad zone input
- 8 one-touch action buttons
- Independently set chime zones
- 3 keypad-activated panic alarms
- Connects to 4-wire expansion bus
- Compatible with E55*, MG5000, MG5050 and Spectra SP Series *Except MG32LCD

MG32LCD:

32-Character Hardwired LCD Keypad
- 32-character blue LCD with programmable labels
- Menu-driven programming for easy system setup (installer and end user)
- StayD status LED
- In-field firmware upgradeable via a 307USB and WinLoad
- Adjustable backlight, contrast and scroll speed
- 2-partition keypad
- See Features Common to All Hardwired Keypads on page 25

MG32I: **32-Zone Hardwired Fixed LCD Keypad**

New

- Fixed message display that guides you in the operation of the system
- Displays the status of 32 zones in 2 partitions
- StayD status icon
- In-field firmware upgradeable via a 307USB and WinLoad
- Displays Arm, Sleep, Stay and Disarmed status for each partition
- Displays troubles, bypassed zones and alarm memory
- Adjustable backlight
- 2-partition keypad
- See Features Common to All Hardwired Keypads on page 25

MG32LED: **32-Zone Hardwired LED Keypad**

- 32-zone LED display
- StayD status icon
- In-field firmware upgradeable via a 307USB and WinLoad
- Separate Arm, Sleep, Stay and Off LEDs per partition
- Adjustable backlight
- 2-partition keypad
- See Features Common to All Hardwired Keypads on page 25

MG10LEDV: **10-Zone Hardwired LED Keypad (Vertical)**
MG10LEDH: **10-Zone Hardwired LED Keypad (Horizontal)**

- 10-zone LED display
- StayD status LED
- Separate Arm, Sleep, Stay and Off LEDs per partition
- Patented Key Light display (button lights up to indicate an open zone)
- Adjustable backlight
- 2-partition keypad
- See Features Common to All Hardwired Keypads on page 25

MG10LEDV

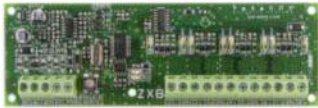MG10LEDH

K636: **10-Zone Hardwired LED Keypad**

New

Available
Q2 2008

- Single partition keypad
- 10-zone LED display
- StayD status LED
- Patented Key Light display (button lights up to indicate an open zone)
- Arm, Sleep, Stay and Off keys illuminate to indicate partition status
- Adjustable backlight
- See Features Common to All Hardwired Keypads on page 25

Zone and Wireless Expansion Modules

SP-ZX8: **8-Zone Expansion Module**
- SP-ZX8 is compatible with the Spectra SP series
- Add 8 zones
- 1 PGM output
- Use zone input as an anti-tamper switch input

APR-ZX8: **8-Zone Expansion Module**
Same features as the SP-ZX8 plus:
- APR-ZX8 is compatible with E55, MG5000, MG5050, Spectra SP series and Digiplex EVO

MG-RTX3: **Wireless Expansion Module**

TRANSCEIVER TECHNOLOGY

- 32 wireless zones and 32 remote controls
- When used with Spectra SP series control panels, functions with all Magellan wireless devices (see page 11 to 14) including MG-2WPGM, REM3, MG-REM2, MG-RPT1 and wireless keypads
- In-field firmware upgradeable via a 307USB and WinLoad
- Compatible with Spectra SP Series, Digiplex EVO and PX8
- Low battery, tamper and check-in supervision
- Transmitter signal strength display
- 3 PGM outputs and 1 optional output
- Noise level test and indicator
- Available in 433MHz or 868MHz
- Also functions in stand-alone mode (see page 15)

System Accessories and Software

VDMP3: **Plug-In Voice Module**
- Dial up to 5 telephone numbers to report a burglar, panic or fire alarm using pre-recorded voice messages (8 telephone numbers when used with EVO panels)
- Arm/disarm the system and receive status reports remotely via telephone
- Control PGMs and toggle utility keys remotely via telephone
- Voice-guided menu
- In-field firmware upgradeable via a 307USB and WinLoad
- Compatible with E55, MG5000, MG5050, Spectra SP and EVO control panels
- Connects directly onto the control panel

IP100: **Internet Module**
- Control and monitor an E55, MG5000, MG5050, Spectra SP or EVO control panel through an IP network (LAN/WAN/Internet)
- Use WinLoad to access your system through the Internet
- Receive notification of system alarms via email
- Arm/disarm individual partitions via web browser
- View live status of all zones and partitions (i.e. open/close, arm/disarm, troubles and alarms) via web browser
- Upgrade the firmware of the IP100 using the IP Exploring Tools through the Internet
- DNS service available for dynamic IP address
- Very low bandwidth consumption
- Data sent and received using 128-bit (MD5 and RC4) or 256-bit (AES) data encryption
- Two-way dynamic authentication

APR-PGM4: **4-PGM Expansion Module**

Update
Available
Q1 2008

- Current version is compatible with 1728/1738 control panels and Digiplex EVO, next version will also be compatible with MG5000, MG5050 and Spectra SP
- In-field firmware upgradeable via a 307USB and WinLoad
- 4 programmable 5A relay outputs
- Deactivate PGM after event or timer
- Pulse PGM output for fire alarms
- Will replace currently available APR3-PGM4

APR3-HUB2: **2-Port Hub and Bus Isolator**
- Divide the communication bus into multiple completely isolated outputs (if one output fails, the others will continue to function)
- One input port, 2 completely isolated output ports
- Each output port provides communications up to 75m (250ft)
- Compatible with E55, MG5000, MG5050, Spectra SP Series and Digiplex EVO

PMC5: **Hand-Held Plug-in USB Memory Key**
- Includes USB connector to download or upload system programming to or from a PC with WinLoad
- Lock switch to prevent accidental loss of data
- LED status indication
- Download or upload control panel/console programming within seconds
- Connect directly to memory connector on the control panel/console
- No need for a telephone line, PC or any other peripheral device

307USB: **Direct Connect Interface**
- Includes 3 LED status indicators (PC, Panel and RX/TX)
- Incorporates a USB port and a serial port (DB-9)
- Enables control panel to communicate with a PC at 60m (200ft)
- Connect control panel's serial port connector to a PC's serial (DB-9) or USB port
- 57.6k baud communication (Magellan console), 38.4k baud communication (EVO) or 9.6k baud communication (E55, MG5000, MG5050 and Spectra SP Series)

UDS2000: **WinLoad Installer Upload/Download Software**
- Now supports TCP/IP connections through the IP100
- User-friendly programming and monitoring of the Digiplex EVO, Magellan and Spectra SP control panels and modules
- Remote uploading and downloading using most standard modems at 300 baud
- On-site (local) uploading and downloading at 57.6k baud (Magellan console), 38.4k baud (EVO) or 9.6k baud (E55, MG5000, MG5050 and Spectra SP series) using a 307USB Direct Connect Interface (60m/200ft) or a CONV4USB Converter (300m/1000ft)
- New in-field firmware upgrading feature that allows WinLoad to upgrade the firmware of certain control panels/modules via a 307USB interface or a CONV4USB converter
- Multiple users, groups and databases
- Network-compatible database
- Advanced printing of reports and zone/user programming
- Supports 15 user-selectable languages

1727: **6-Zone Local Control Panel**
- 4 zone inputs + 1 Fire/24Hr. Burglary zone + 1 keypad zone
- 8 user codes (no partitioning)
- 2 PGM outputs and 1 alarm relay
- 1 bell output and 1 auxiliary output
- Fits in a 20cm x 25cm x 8cm (8in x 10in x 3in) metal box
- Compatible with 1686V and 1686H keypads

1686V   1686H