





The Secure Way of Living



ESPRIT IIIESS™
MAGELLAN™
SP
SPECTRA®



K636
10-Zone LED
1 Partition Keypad



32LRF
32-Zone Wireless
LED Keypad Module

32LED
32-Zone Hardwired
LED Keypad Module

The StayD invention resolves all issues with common security systems and represents the only solution for secure living. StayD is the result of two years of research and development from the Paradox R&D team.

The revolutionary StayD feature represents a completely reversed philosophy compared to all other security systems made today. A StayD system is always armed and only partly disarmed when entering or exiting a site, which is the opposite of a common security system that's always disarmed and needs to be armed to provide protection.

When entering a site you can notify the system that a specific zone will be opened by using your remote control to avoid starting an entry delay and then StayD will automatically rearm the open zone as soon as it's closed. You can also open a zone and then enter your code to stop any entry delay and automatically rearm. In any case the system is only partly disarmed because only specifically defined zones can be opened—all other zones remain armed. The result is a system that's always protecting, without the risk of being unprotected, and without the uncertainty that the security 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. Now you can truly have peace of mind knowing that you are always protected.



INTERNET MODULE



The Internet Module (IP100) is an IP-based web solution that provides an internet communication link to control and monitor your security system remotely through any web browser. This provides the freedom to access your system from anywhere in the world.



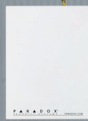
IP100

- Control and monitor an E55, MG5000, MG5050, Spectra SP or Digiplex EVO control panel through an IP network (LAN/WAN/Internet)
- Use NEware or 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 IP Exploring Tools through the Internet
- Very low bandwidth consumption
- Data sent and received using 128-bit or 256-bit encryption
- DNS service available for dynamic IP addresses

New products in 2nd Edition

PCS100

GSM Communicator Module
(page 2)



HUB4D

Isolated 4 Port Hub Module
(page 13)



New products in 1st Edition

REM3

Hand-Held 2 Way Remote Keypad
(page 30)



E55

Esprit 32 Zone Control Panel
(page 22)



K636

10 Zone LED Keypad (1 Partition)
(page 19, 23 and 33)



PX8

Output Module for
Magellan Transceiver
(page 42)



457

Digital Glassbreak Detector
(page 47)



RAC2

Magellan 2 Way Remote Control
with Integrated Access Card
(pages 12 and 38)



PA12

13.8Vdc Power Adapter Plug
(page 37)



Table of Contents

Communication Modules	2
Digiplex EVO High Security and Access Systems	4
Spectra 5 to 32 Zone Expandable Security Systems	15
Esprit 4 to 32 Zone Security Systems	21
Magellan 32 Zone Wireless Transceiver Security Systems	27
Magellan All-in-One Wireless Consoles	35
Motion Detectors	43
Security Accessories	49
Motion Detector Comparison Chart	50
Control Panel Comparison Chart	51

Communication Modules

All Paradox control panels have been specifically built from the ground up to support the latest in communication technology, including GSM, voice, and IP. Whether it be uploading/downloading via GPRS, monitoring and controlling your system remotely through a PC, receiving system status and events by voice or text message, or reporting to the monitoring station via GSM, all Paradox panels support various communication applications that heighten an installation's security.

Control Panels	PCS100	IP100	VDMP3
Digiplex EVO			
EVO48	V1.40	V1.00	V1.00
EVO192	V1.40	V1.00	V1.00
Spectra SP Series			
SP5500	V3.00	V2.10	V2.10
SP6000	V3.00	V2.10	V2.10
SP7000	V3.00	V2.10	V2.10
Esprit E-Series			
E55	V2.00	V1.00	V1.00
Magellan MG Series			
MG5000	V3.00	V2.10	V2.10
MG5050	V3.00	V2.10	V2.10

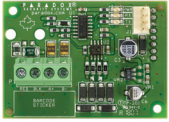
GSM Communication



PCS100 | GSM Communicator Module

- For compatibility information, see the table above
- Report control panel events to the monitoring station via a GSM (cell phone) network using any control panel reporting format. The PCS100 can be set as the primary dialer, backup dialer, or as both.
- Fast upload/download with WinLoad or NEware via a GPRS connection at data rates of up to 48Kbit/s
- Report via text messages (SMS). Select which event groups will send SMS messages to up to 16 cell phones. Each text message contains event description, site name, date, time and any associated labels, such as area, zone and serial number. Event descriptions are pre-defined in the PCS100 module and are available in multiple languages (installer selectable).
- End users can arm or disarm the system by sending a text message (SMS) to the PCS100
- Voice reporting. Use of the Paradox Plug-In Voice Module (VDMP3) to send pre-recorded voice messages to up to 8 phone numbers to report alarms. The VDMP3 is plugged directly on the PCS100. When the VDMP3 is present, the end user can arm/disarm, request system status and control PGMs using a voice-guided menu by dialing in. For more information on the VDMP3 see page 3.
- GSM RF jamming detection. When detected, the control panel will generate a trouble as well as report it to the monitoring station through landline or IP.
- Control panel communication supervision: the PCS100 will report to the monitoring station should there be a loss of communication with the control panel
- In-field firmware upgradeable via a 307USB and WinLoad
- Simple installation with a 4 wire serial connection up to 1.8m (6ft) from the panel, or up to 300m (1000ft) from the control panel using an optional Plug-In RS-485 Converter (CVT485). The module antenna can be installed up to 18m (60ft) from the module using optional antenna cable extensions depending on the local signal strength.

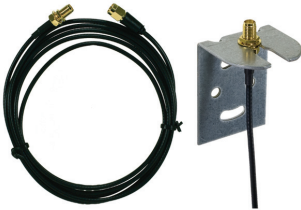




New

CVT485 | Plug-In RS-485 Converter

- Enables PCS100 V1.0 to be installed further from the control panel (for better reception, to conceal the PCS100, etc.)
- Converts serial to RS485, allowing a connection of the PCS100 up to 300m (1000ft) from the control panel
- Mounts directly onto the control panel



New

EXT | Antenna Extensions

- Antenna extensions are available to improve reception by moving the antenna
- Includes wall mounting bracket
- The following models and lengths are available:
 - EXT2 : 2m (6ft) Coaxial Cable RG174
 - EXT4 : 4m (12ft) Coaxial Cable RG174
 - EXT7 : 7m (24ft) Coaxial Cable RG58
 - EXT15 : 14.5m (48ft) Coaxial Cable RG58
 - EXT18 : 18m (60ft) Coaxial Cable RG58

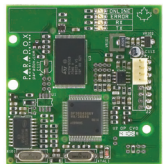
IP Communication



IP100 | Internet Module

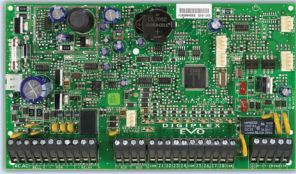
- Control and monitor an E55, MG5000, MG5050, Spectra SP or EVO control panel through an IP network (LAN/WAN/Internet)
- Use NEware or WinLoad to access your system through the Internet
- Receive notification of system alarms via email
- Arm/disarm individual partitions via web browser
- View live status of all zones and partitions (i.e. open/close, arm/disarm, troubles and alarms) via web browser
- Upgrade the firmware of the IP100 using 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

Voice Communication



VDMP3 | Plug-In Voice Module

- Dial up to 8 telephone numbers to report a burglar, panic or fire alarm using pre-recorded voice messages
- Arm/disarm the system and receive status reports remotely via telephone
- Control PGMs and toggle utility keys remotely via telephone
- Voice-guided menu
- Compatible with E55, (with PCS100), MG5000, MG5050, Spectra SP and EVO control panels
- Connects directly onto the control panel or PCS100 GSM Communicator Module (see page 2)



EVO192: 8 to 192 Zone Control Panel
EVO48: 8 to 48 Zone Control Panel



K07

Keypads

- K07: Grafica Graphic LCD Keypad
- K641: 32 Character Blue LCD Keypad
- K641R: 32 Character Blue LCD Keypad with Integrated Card Reader
- K648: 48 Zone LED Keypad
- ANC1: Annunciator Module



DG85

Motion Detectors

- DM50: Dual Element Motion Detector
- DM60: Quad Element Motion Detector
- DM70: Digital Dual-Optic High-Performance PIR
- DG85: Outdoor Digital Dual-Optic High-Performance PIR
- DG467: 360° Digital Ceiling Mounted PIR
- DG457: Digital GlassBreak Detector



- PCS100**
GSM Communicator Module
- Upload/download with WinLoad via GPRS
 - Report via GSM
 - Send and receive SMS messages
 - Connect directly to panel via 4 pin port



- IP100**
Internet Module
- Send e-mails
 - Control and monitor via web browser
 - Connect directly to panel via 4 pin port



- VDMP3**
Plug-In Voice Module
- Send voice messages (8 phone numbers)
 - Control and monitor via phone
 - Mount on control panel or PCS100 GSM module

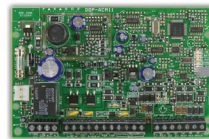


RTX3

Zone Expansion

- ZC1: Door Contact Module
- ZX1: 1 Zone Expansion Module
- ZX4: 4 Zone Expansion Module
- ZX8: 8 Zone Expansion Module
- ZX16: 16 Zone Expansion Module
- ZX32: 32 Zone Expansion Module
- RTX3: Wireless Expansion Module

Access Control



ACM12



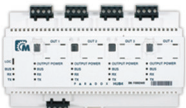
R915

4-Wire Readers*

- ACM12: 2 Door 4 Reader Access Control Module
- R910: 4 Wire Epoxy-Sealed Reader
- R915: 4 Wire Sealed Reader & Keypad

Other Wiegand Readers + Cards Available

Accessories



HUB4D: 4 Port Hub and Bus Isolator module

- PMC5: Memory Key
- 307USB: Direct Connect Interface
- CV4USB: RS-485/RS-232 Converter
- HUB2: 2 Port Hub
- NEware: End-User Software
- WinLoad: Installer Software



SUB1

Special Accessories

- LSN4: Listen-In Module
- SUB1: Listen-In Substation
- PGM4: 4-PGM Expansion Module
- ADM2: Voice-Assisted Arm/Disarm Module
- PRT3: Integration Module
- PS17: 1.7A Power Supply Module

Digiplex EVO High Security and Access Systems

Digiplex EVO systems provide the highest level of protection for banks, high-security military and government sites, luxurious residential homes and any place where maximum security is essential. These systems are designed to be easy to use and the modular concept of these systems provides installers with labour-saving features that make expanding, installing and servicing these systems quick and convenient.

Expand your system by adding plug-and-play expansion modules anywhere and in any combination on the 4 wire combus. Modules are connected to the combus at the most convenient location and then their zone inputs are assigned to the desired zone and partition. Also, only a module's used inputs are assigned to zones in the system. Keyswitches, remote controls and unused module inputs do not use up zones. Once installed, all combus modules, including motion detectors, can be programmed remotely via a keypad or the WinLoad Installer Upload/Download software.

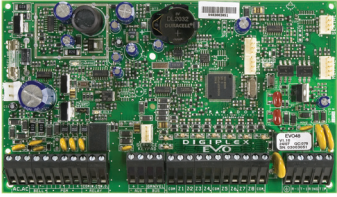
Digiplex EVO integrate access control solutions. Your alarm system user database can be used to manage the access to up to 32 doors, and the monitoring of these doors can be included in any partitions. You can also use Winload and NEware to manage users and access permissions. By merging security and access control, the Digiplex EVO increases the level of protection offered by security systems to a new level.

Feature	EVO48	EVO192
Maximum Zones*	48	192
On-Board Zones	8 (16 with ATZ)	8 (16 with ATZ)
Partitions	4	8
User Codes	96	999
Multibus	-	✓
Panel In-Field Firmware Upgradeable	✓	✓
Access Control (doors)	32	32
Access Levels / Schedules	16 / 16	16 / 32
Events Buffered	1024	2048
PGMs	250 (2 on board)	250 (5 on board)
PGM +/- trigger	✓	✓
Virtual Zones †	32	32
Expansion Modules*	127	254
GSM Communication (PCS100)	✓	✓
Supports VDMP3 (Plug-in Voice Module)	✓	✓
Supports IP100 (Internet Module)	✓	✓
Software	WinLoad / NEware	WinLoad / NEware
Listen-In Capabilities	✓	✓

* Can be any combination of hardwire, wireless or addressable zones or modules

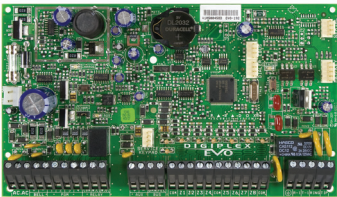
† Automate PGM activations without occupying security zones

Control Panels



EVO48 | Digiplex EVO 48 Zone Control Panel

- 8 on-board zones (16 w/ zone doubling) expandable to 48 zones via 4 wire combus
- Built-in access control features
- In-field firmware upgradeable via 307USB and WinLoad
- Compatible with NEware
- Automatic Daylight Savings Time feature
- 2 on-board solid-state PGM outputs (+ 3 optional), negative or positive triggering
- PGM1 can be used as a 2 wire smoke input
- Supports up to 127 expansion bus modules
- 96 user codes
- 4 partitions
- 1024 events buffered
- Program remote controls using the master or installer codes
- Up to 96 remote controls with one RTX3
- Built-in real-time clock backup battery
- 1.7A switching power supply
- 1 supervised bell output, auxiliary output and telephone line
- Push button software reset (reset to default values and restart)
- Push button to activate or deactivate the Auxiliary output
- Fits in a 28cm x 28cm x 7.6cm (11in x 11in x 3in) metal box
- The EVO series share the same programming for easy panel substitution



EVO192 | Digiplex EVO 192 Zone Control Panel

Same features as the EVO48 plus:

- Expandable to 192 zones
- 5 on-board solid-state PGM outputs, negative or positive triggering
- Supports up to 254 expansion bus modules
- 999 user codes
- 8 partitions
- 2048 events buffered
- Up to 999 remote controls with one RTX3

	GSM See page 2	IP See page 3	Voice See page 3
EVO48	✓	✓	✓
EVO192	✓	✓	✓

Keypad and Display Modules

Features Common to All Digiplex Keypads

- Zone alarm display: the zones in alarm are shown until the system is disarmed
- Assign to one or more partitions
- 1 addressable zone
- 1 PGM output*
- Independently set chime zones
- 14 one-touch action buttons*
- 3 keypad-activated panic alarms

*Except K07



K07 | Grafica Graphic LCD Keypad Module

- Simplified end-user remote control programming
- Now supports 192 zones
- View zones on up to 32 floor plans
- In-field firmware upgradeable via CV4USB and WinLoad
- 1 built-in indoor temperature sensor
- 1 zone/temperature input. Connect a detection device or TEMP07 (see page 14).
- Simple text- and icon-driven menus with step-by-step guidance
- Alarm clock and special reminders
- Up to 15 tunes for use with door chiming, entry delay, exit delay and more
- Supports up to 8 built-in user-selectable languages in three language sets
- Smart search functions with copy and paste user programming
- Adjustable backlight, contrast and volume
- Upload/download labels with Memory Key, WinLoad, NEware or with the Module Broadcast feature
- Available in two designer colors (silver or champagne)
- Dimensions (with door closed): 11.5cm x 17cm x 3cm (4.5in x 6.8in x 1.3in)
- 6.5cm x 6.5cm (2.6in x 2.6in) graphic LCD with a resolution of 128 x 128 pixels
- See Features Common to All Digiplex Keypads on page 7



K641 | 32 Character Blue LCD Keypad Module

- Simplified end-user remote control programming
- In-field firmware upgradeable via CV4USB/307USB and WinLoad
- 32 character blue LCD with programmable labels (via Memory Key, WinLoad, NEware or Module Broadcast feature)
- Available in multiple languages
- Adjustable backlight, contrast and scroll speed
- Display time using the 12Hr or 24Hr format
- See Features Common to All Digiplex Keypads on page 7



K641R | 32 Character Blue LCD Keypad Module with Integrated Card Reader

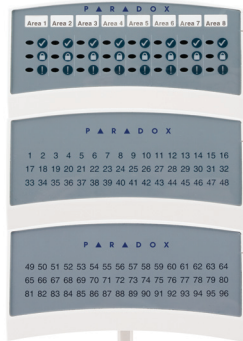
Same features as the K641 plus:

- Built-in card reader. Just present access cards directly to the keypad module
- Grant access via card and/or access code
- Arm and disarm with a card
- Door contact and request for exit inputs
- Door lock output
- Programmable automatic unlocking schedule
- Door Left Open and Door Forced Open alarms



K648 | 48 Zone LED Keypad Module

- 48 zone LED display (each LED can be set to display any zone number from 1 to 96)
- 4 partition LED display (each LED can be set to display any partition from 1 to 8)
- Available in multiple languages
- See Features Common to All Digiplex Keypads on page 7



ANC1 | Annunciator Module

- Zone alarm display: the zones in alarm will flash until they are disarmed
- LED display shows the status of either partitions 1 to 8, zones 1 to 48, or zones 49 to 96
- 3-in-1 product (comes with three different display labels)
- Mount as a stand-alone unit or over any LCD or LED keypad module
- Stack up to three annunciators
- Assign to one or more partitions

Motion Detector Modules



Features Common to All Digiplex Motion Detector Modules

- Patented Digital Motion Detection (no analog circuitry)*
 - Patented Auto Pulse Signal Processing
 - Digital Shield algorithm software
 - Automatic temperature compensation
 - Single or dual edge processing
 - Connect to the Digiplex EVO 4 wire bus directly
 - Metal shield maximizes protection from EMI and RFI signals*
- *except DG467



DM50 | Dual Element Motion Detector Module

DM60 | Quad Element Motion Detector Module

- 12m x 12m (40ft x 40ft) range with 110° viewing angle
- Digital Dual Opposed Detection (DM60 only)
- Interlock Sensor Geometry (ISG) (DM60 only)
- See Features Common to All Digiplex Motion Detector Modules on page 8



DM70 | Digital Dual-Optic High-Performance PIR Module (40kg/90lb True Pet Immunity)

Same features as the DM50, plus:

- Dual optics (2 dual opposed element sensors)
- Provides superior pet immunity using a patented combination of advanced optics and digital processing technologies
- Immune to pets weighing up to 40kg (90lb)
- Extremely reliable and false-alarm free
- 11m x 11m (35ft x 35ft) range with 90° viewing angle
- See Features Common to All Digiplex Motion Detector Modules on page 8



DG85 | Outdoor Digital Dual-Optic High-Performance PIR Module

Same features as the DG75 (page 44) plus a special weatherproof design:

- The DG85 series is available with one of three lenses: Pet Array, Horizontal Curtain Beam or Vertical Curtain Beam. See PMD85 / DG85 Lenses on page 48 for more details
- Impact and temperature resistant casing
- Operates at -35°C to +50°C (-31°F to +122°F)
- Casing lined with an injected rubber gasket
- UV protected lens
- Dual Optical Filtering System
- Multi-level sensitivity adjustment
- Two operational modes (addressable for the EVO series or conventional relay operation)
- See Features Common to All Digiplex Motion Detector Modules on page 8



DG467 | 360° Digital Ceiling Mounted Motion Detector Module

- Digital Motion Detection
- Dual element sensor
- 7m x 6m (24ft x 20ft) at 2.4m (8ft)
- 11m x 6m (35ft x 20ft) at 3.7m (12ft)
- 360° viewing angle
- Solid-state relay
- Anti-tamper switch
- Two operational modes (addressable for the EVO series or conventional relay operation)
- See Features Common to All Digiplex Motion Detector Modules on page 8

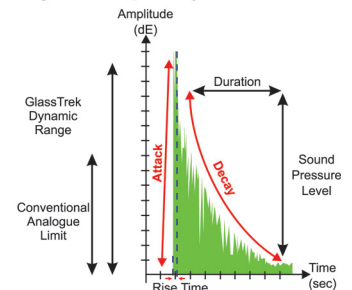
Specialized Detector Modules



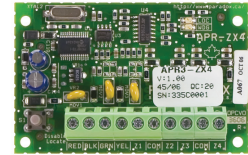
DG457 | Digital Glassbreak Bus Detector

- Two operational modes (addressable for the EVO series or conventional relay operation)
- Remote test mode when used with TestTrek V2
- Full audio and infrasonic spectrum analysis
- 7 frequency digital filters, digital amplifier gain and frequency fluctuation assessment
- Impact and shock wave analysis
- High-immunity to RFI and EMI signals
- Adjustable sensitivity: covers up to 9m (30ft) when set to high and up to 4.5m (15ft) when set to low
- TestTrek (459 V2.0) used for testing available separately (see page 47)
- Anti-tamper switch

Signal Envelope Analysis



Hardwired Zone Expansion Modules



ZC1 | Door Contact Module

- 1 addressable zone
- Small size: 7.4cm x 2.0cm x 3.5cm (2.9in x 0.8in x 1.2in)

ZX1 | 1 Zone Expansion Module

- 1 addressable zone (2 with ATZ zone doubling feature)
- Set a different input speed for each zone (up to 255 minutes), which is ideal for temperature monitoring applications

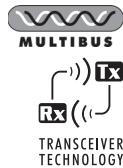
ZX4 | 4 Zone Expansion Module

- 4 addressable zones (8 with ATZ zone doubling feature)
- Set a different input speed for each zone (up to 255 minutes); ideal for temperature monitoring applications
- Use zone input as an anti-tamper switch input

ZX8 | 8 Zone Expansion Module

- 8 addressable zones (16 with ATZ zone doubling feature)
- Set a different input speed for each zone (up to 255 minutes), which is ideal for temperature monitoring applications
- 1 PGM output
- Use zone input as an anti-tamper switch input

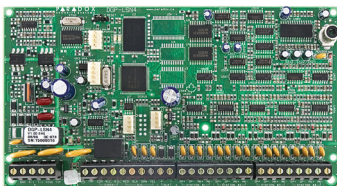
Wireless Expansion Module



RTX3 | Wireless Expansion Module

- 32 addressable zones
- Program 999 remote controls with the master or installer code
- 8 wireless PGMs (2WPGM)
- In-field firmware upgradeable via CV4USB or 307USB and WinLoad
- Functions with all Magellan wireless devices (see page 38 to 41) including 2WPGM and REM2 (except wireless keypads, REM3 and RPT1)
- Built-in transceiver (433MHz or 868MHz)
- Low battery, tamper and check-in supervision
- Transmitter signal strength display
- 3 PGM outputs and 1 optional output
- Noise level test and indicator

Listen-In Modules



LSN4 | Listen-In Module

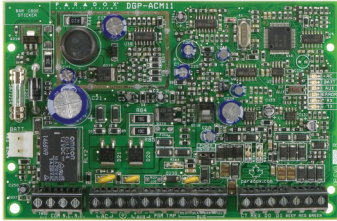
- Audio alarm verification (listen-in or two-way communication)
- "Before and after" alarm audio recording and playback
- Message broadcasting (play system status messages through substations)
- Customize or record broadcasted messages
- Remote telephone access (listen-in/two-way, arm/disarm and system status)
- Communicate or listen to a specific substation
- Toggle between high and low gain on speakers and microphones
- Remotely activate or deactivate the siren
- In-field firmware upgradeable via 307USB and WinLoad
- Connect to a music source to play background music through substations
- Supports 4 primary SUB1 substations (fully functional)
- Supports 8 secondary SUB1 substations (used as additional speakers)



SUB1 | Listen-In Substation

- Unique substation design
- 16 bit sound quality (built-in 7.6cm (3.0in), 3W 8Ω speaker)
- Built-in high-sensitivity microphone
- Page button (communicate with monitoring station and/or other substations)
- Panic button (send panic signal to monitoring station)
- Mute button (mute broadcasted messages and background music)
- Volume control knob
- Simple CAT-5 cable connection to a LSN4 Listen-In Module

Access Control Modules



ACM12 | 4 Wire Access Control Module

- Grant access via card and/or panel access code with the R915
- Arm with card and pin with the R915
- Connections for 1 door (card reader, REX, door contact and lock output)
- Connect only 4 wires between the reader and ACM12 module when using a R910 or a R915 reader
- In-field firmware upgradeable via CV4USB and WinLoad
- Automatic unlocking schedule
- Door Left Open and Door Forced Open options
- Door unlock and extended delay timers
- Unlock door manually with button or PGM event
- Unlock Door On Fire Alarm option
- Safe Mode option (during a communication loss, the access control door connected to the module can grant access to up to 4 specified cards or any valid cards)
- Built-in supervised 1.5A switching power supply
- Push button to activate or deactivate the Auxiliary output
- Supports 4 wire and 26 bit Wiegand card readers
- Fits in a 20cm x 25.5cm x 7.6cm (8in x 10in x 3in) metal box



R910 | 4 Wire Epoxy-Sealed Indoor/Outdoor Proximity Reader

- Only 4 wires instead of 7 to connect with 4 wire access control modules
- In-field firmware upgradeable via CV4USB and WinLoad
- Adjustable red/green LED intensity and buzzer frequency
- Extreme weather-resistant design (epoxy-sealed)
- Tricolor LED display



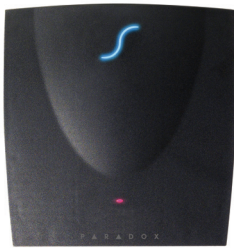
R915 | 4 Wire Sealed Indoor/Outdoor Proximity Reader and Keypad

- Only 4 wires instead of 7 to connect with 4 wire access control modules
- In-field firmware upgradeable via CV4USB and WinLoad
- Adjustable red/green LED intensity and buzzer frequency
- Extreme weather-resistant design (injected rubber gasket and PCB cover)
- Tricolor LED display
- Available in 3 colors (white, silver and black)
- Also available: 915WB gang plate cover



R870-A | Indoor Proximity Reader

- Indoor installation only
- Covers single gang box
- Screw terminals
- Two status LEDs (red and green) and beeper
- Supports the 26 bit Wiegand output format



R890-BL | Indoor/Outdoor Extended Range Proximity Reader

- Extreme weather-resistant design (epoxy sealed)
- Up to 61cm (24in) read range with C702 access card
- Automatic read-range calibration
- Supports the 26 bit Wiegand output format
- Tricolor LED display
- Elegant face light



WR1 | Magellan Access Receiver with Wiegand Interface

- Unlock doors using a remote control
- Supports the 26 bit Wiegand output format
- Supports REM1 Remote Controls and/or RAC1 Remote Controls with Integrated Access Card (see page 38)
- Each remote control has a programmable family number and up to 5 card numbers
- Panic feature
- Control access to 2 doors with 1 interface
- Ideal for parking and condominium applications
- Available in 433MHz and 868MHz



Proximity Cards

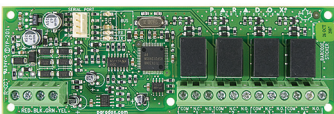
- **C702:** Clam Shell Card
- **C706:** 2 Sided High-Gloss ISO Card
- **C704:** Blue Proximity Key Tag
- **RAC1:** Magellan Remote Control with Integrated Access Card
- **RAC2:** Magellan Two-Way Remote Control with Integrated Access Card

Special Accessory Modules



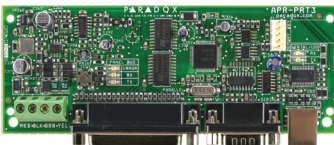
PS17 | Power Supply Module

- 1.7A switching power supply
- Fully supervised (AC, battery, low battery and auxiliary limit)
- Selectable battery charge current (350mA/850mA)
- 1 PGM output
- Includes 20cm x 25.5cm x 7.6cm (8in x 10in x 3in) metal box



PGM4 | 4 PGM Expansion Module

- Current version is compatible with 1728/1738 control panels and Digiplex EVO, V3.0 will also be compatible with MG5000, MG5050 and Spectra SP
- In-field firmware upgradeable via a CV4USB or 307USB and WinLoad (PGM4 V3.0)
- 4 programmable 5A relay outputs
- Deactivate PGM after event or timer
- Pulse PGM output for fire alarms
- Will replace currently available PGM4

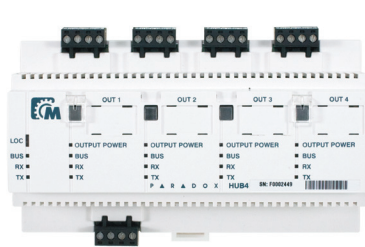


PRT3 | Integration Module

- In-field firmware upgradeable via CV4USB and WinLoad
- Supports ASCII / C-BUS protocols
- 16 virtual inputs to trigger an action in the EVO control panel based on an event received from the peripheral system using ASCII or C-BUS protocol
- 30 virtual PGMs to trigger an action in the peripheral system using ASCII or C-BUS protocol based on an event received from the EVO control panel
- USB port for PC connections

- Provides an interface between an EVO control panel and a third party peripheral system
- Automatically/manually print reports of zones/systems event via printer and/or PC
- Parallel and serial port for printer connections
- Assign to one or more partitions
- 2048 event buffer
- Available in multiple languages

System Accessories and Software



HUB4D | 4 Port Hub and Bus Isolator Module

- Divides the bus into four completely isolated outputs (if one output fails, the others will continue to function)
- One input port, 4 completely isolated output ports
- Each output port provides communications up to 900m (3000ft)
- Opto-isolated ports provide protection from high-voltage spikes (ideal for exterior lines)
- In-field firmware upgradeable
- DIN rail enclosure with removable terminals
- Supports 35mm DIN Rail mounting or wall mounting with retractable mounting clips
- On-board buttons to manually activate or deactivate each hub output
- 4 LED status display per hub output
- 3 LED module status display
- Includes labels to identify each output



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 900m (3000ft)
- Compatible with E55, MG5000, MG5050, Spectra SP Series and Digiplex EVO



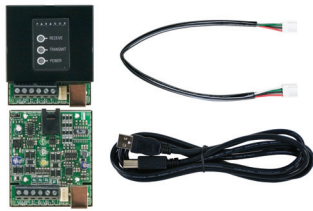
PMC5 | Hand-Held Plug-in USB Memory Key

- 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 from the 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)



CV4USB | RS-485/RS-232 Converter Kit

- Incorporates a USB port and a serial port (DB-9)
- Enables control panel to communicate with a PC at 300m (1000ft)
- Connect from the control panel's serial port connector to PC's serial port (DB-9) or USB port
- 38.4k or 57.6k baud communication (EVO)



UDS | WinLoad Installer Upload/Download Software

• Now supports GPRS communication through the PCS100

- Supports TCP/IP connections through the IP100
- User-friendly programming and monitoring of the Magellan, Spectra SP and Digiplex EVO 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) using a 307USB Direct Connect Interface (60m/200ft) or a CV4USB Converter (300m/1000ft)
- In-field upgrading feature that allows WinLoad to upgrade the firmware of certain control panels/modules via a 307USB interface or a CV4USB converter
- Draw and download/upload up to 32 floor plans for Grafica (see page 7)
- Download images and tunes into Grafica (see page 7) for special events
- Multiple users, groups and databases
- Network-compatible database
- Advanced printing of reports and zone/user programming
- Supports 15 user-selectable languages



NEWare End-User Management Software

NEWDEM (Demo Edition)

NEWSEC (Security Edition)

NEWACC (Security and Access Control Edition)

- Now supports TCP/IP connections through the IP100
- Program access codes and settings of all users in a Digiplex EVO system
- Live system monitoring (view system and zone status and troubles) without interrupting monitoring station communication or system operation
- Draw and download/upload up to 32 floor plans for Grafica (see page 7)
- Download images and tunes into Grafica (see page 7) for special events
- Arm/disarm, bypass zones and control PGMs
- Search, sort and filter saved system events
- Generate and print customized reports
- On-site (local) uploading and downloading at 38.4k baud using a 307USB Direct Connect Interface (60m/200ft) or a CV4USB Converter (300m/1000ft)
- Supports 11 user-selectable languages



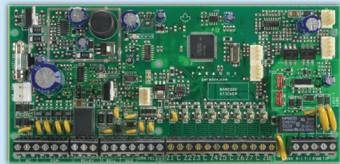
UIP256 | Universal In-Field Programmer

- Upgrade Magellan console and Grafica (V1.21 to 1.4) firmware locally in the field
- Includes proprietary PC software, cables to interconnect a Magellan console or a Grafica keypad and a PC, and two 9V batteries
- The supplied PC software retrieves the latest Magellan or Grafica update file (firmware) from our website and then updates the Magellan console or the Grafica keypad



TEMP07 | Temperature Sensor

- Connects to the Grafica's zone/temperature input to measure the external temperature
- Maximum distance from the Grafica: 30.5m (100ft)



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



K32LCD

Keypads

K32LCD: 32 Zone LCD Keypad
K32I: 32 Zone Fixed LCD Keypad
K32: 32 Zone LED Keypad
K10V: 10 Zone LED Keypad (Vertical)
K10H: 10 Zone LED Keypad (Horizontal)
K636: 10 Zone LED Keypad (1 Partition)



RTX3

Expansion Modules

ZX8: 8 Zone Expansion Module
ZX8SP: 8 Zone Expansion Module
RTX3: Wireless Expansion Module
PGM4: 4 PGM Expansion Module

2 Port Hub and Bus Isolator



HUB2

PCS100

GSM Communicator Module

- Report via GPRS with Paradox IP Monitoring Receiver (IPR512)
- Upload/download with WinLoad via GPRS
- Report via GSM
- Send and receive SMS messages
- Connect directly to panel via 4 pin port

IP100

Internet Module

- Report via IP with Paradox IP Monitoring Receiver (IPR512)
- Send e-mails
- Control and monitor via web browser
- Connect directly to panel via 4 pin port

VDMP3

Plug-In Voice Module

- Send voice messages (5 phone numbers)
- Control and monitor via phone
- Mount on control panel or PCS100 GSM module

Accessories

PMC5: Memory Key
307USB: Direct Connect Interface
WinLoad: Installer Software

Wireless Keypads and Remotes (requires RTX3)



K32RF
32 Zone Wireless
LED Keypad



K32IRF
32 Zone Wireless
Fixed LCD Keypad



REM3
Hand-Held 2-Way
Remote Keypad



REM1
Magellan Remote Control
with Backlit Buttons



REM2
Magellan 2-Way Remote Control
with Backlit Buttons



Spectra 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).

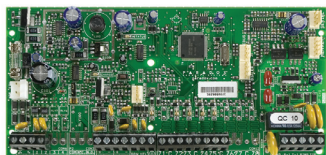
With their in-field firmware upgrade capability, the Spectra SP series allows installers to upgrade their system without hassle - quickly, easily and on site. And to further facilitate installation, every Spectra SP series panel can be configured using easy-to-follow menu-driven programming.

Feature	SP5500	SP6000	SP7000
StayD	✓	✓	✓
Maximum Zones	32*	32*	32*
On-board Zones	5 (10 with ATZ)	8 (16 with ATZ)	16 (32 with ATZ)
Expansion Zones	24	24	16
Keypad Zones	15	15	15
Partitions	2	2	2
User Codes	32	32	32
PGMs	16* (2 on-board)	16* (2+2† on-board)	16* (4 on-board)
PGM +/- Trigger	-	✓	✓
Alarm Relay	-	1†	1
Event Buffer	256	256	256
Wireless Expansion (RTX3)	✓	✓	✓
2 Wire Smoke Detector Input	-	✓	✓
GSM Communication (PCS100)	✓	✓	✓
Internet TCP/IP Communication (IP100)	✓	✓	✓
Plug-In Voice Module (VDMP3)	✓	✓	✓
In-field Firmware Upgradeable	✓	✓	✓

* = Any of which can be wireless

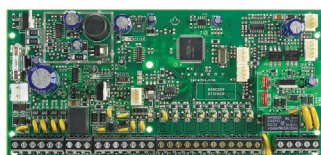
† = Optional

Control Panels



STAY D SP5500 | 5 to 32 Zone Control Panel

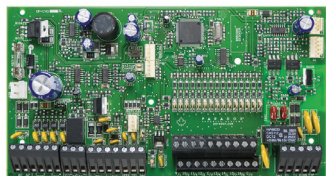
- StayD mode: see inside cover for details
- 4 wire expansion bus (connect up to 15 keypads and up to three ZX8/ZX8SP modules to a maximum total of 15 modules)
- 5 zone inputs or 10 with zone doubling, expandable to 32 zones
- 2 on-board PGMs
- Supports up to 16 PGMs
- 2 partitions
- 32 User Codes
- 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



STAY D SP6000 | 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

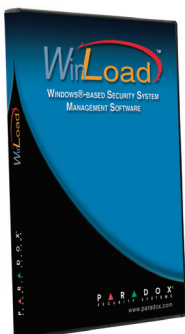


STAY D SP7000 | 16 to 32 Zone Control Panel

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

	GSM See page 2	IP See page 3	Voice See page 3
SP5500	✓	✓	✓
SP6000	✓	✓	✓
SP7000	✓	✓	✓



UDS | WinLoad Installer Upload/Download Software

- **Now supports GPRS communication through the PCS100**
- Supports TCP/IP connections through the IP100
- User-friendly programming and monitoring of the Magellan, Spectra SP and Digiplex EVO 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) using a 307USB Direct Connect Interface (60m/200ft) or a CV4USB Converter (300m/1000ft)
- In-field upgrading feature that allows WinLoad to upgrade the firmware of certain control panels/modules via a 307USB interface or a CV4USB converter
- Draw and download/upload up to 32 floor plans for Grafica (see page 7)
- Download images and tunes into Grafica (see page 7) for special events
- Multiple users, groups and databases
- Network-compatible database
- Advanced printing of reports and zone/user programming
- Supports 15 user-selectable languages

Hardwired Keypads



Features Common to All Hardwired Keypads

- 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 K32LCD



K32LCD | 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 18



K32I | 32 Zone Hardwired Fixed LCD Keypad

- 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 18

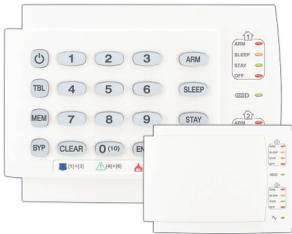


K32 | 32 Zone Hardwired LED Keypad

- 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 18



K10V



K10H



K10V | 10 Zone Hardwired LED Keypad (Vertical)

K10H | 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 18

K636 | 10 Zone Hardwired LED Keypad

- 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 18

Zone and Wireless Expansion Modules



ZX8SP | 8 Zone Expansion Module

- ZX8SP is compatible with the Spectra SP series, E55, MG5000 and MG5050
- Add 8 zones
- 1 PGM output
- Use zone input as an anti-tamper switch input



ZX8 | 8 Zone Expansion Module

Same features as the ZX8SP plus:

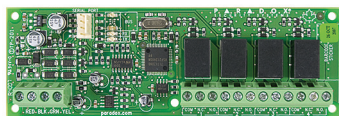
- ZX8 is compatible with E55, MG5000, MG5050, Spectra SP series and Digiplex EVO



RTX3 | Wireless Expansion Module

- 32 wireless zones and 32 remote controls
- When used with Spectra SP series control panels, functions with all Magellan wireless devices (see page 38 to 41) including 2WPGM, REM3, REM2, 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 42)

System Accessories



PGM4 | 4 PGM Expansion Module

- Current version is compatible with 1728/1738 control panels and Digiplex EVO, V3.0 will also be compatible with MG5000, MG5050 and Spectra SP
- In-field firmware upgradeable via a CV4USB or 307USB and WinLoad (PGM4 V3.0)
- 4 programmable 5A relay outputs
- Deactivate PGM after event or timer
- Pulse PGM output for fire alarms
- Will replace currently available PGM4



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



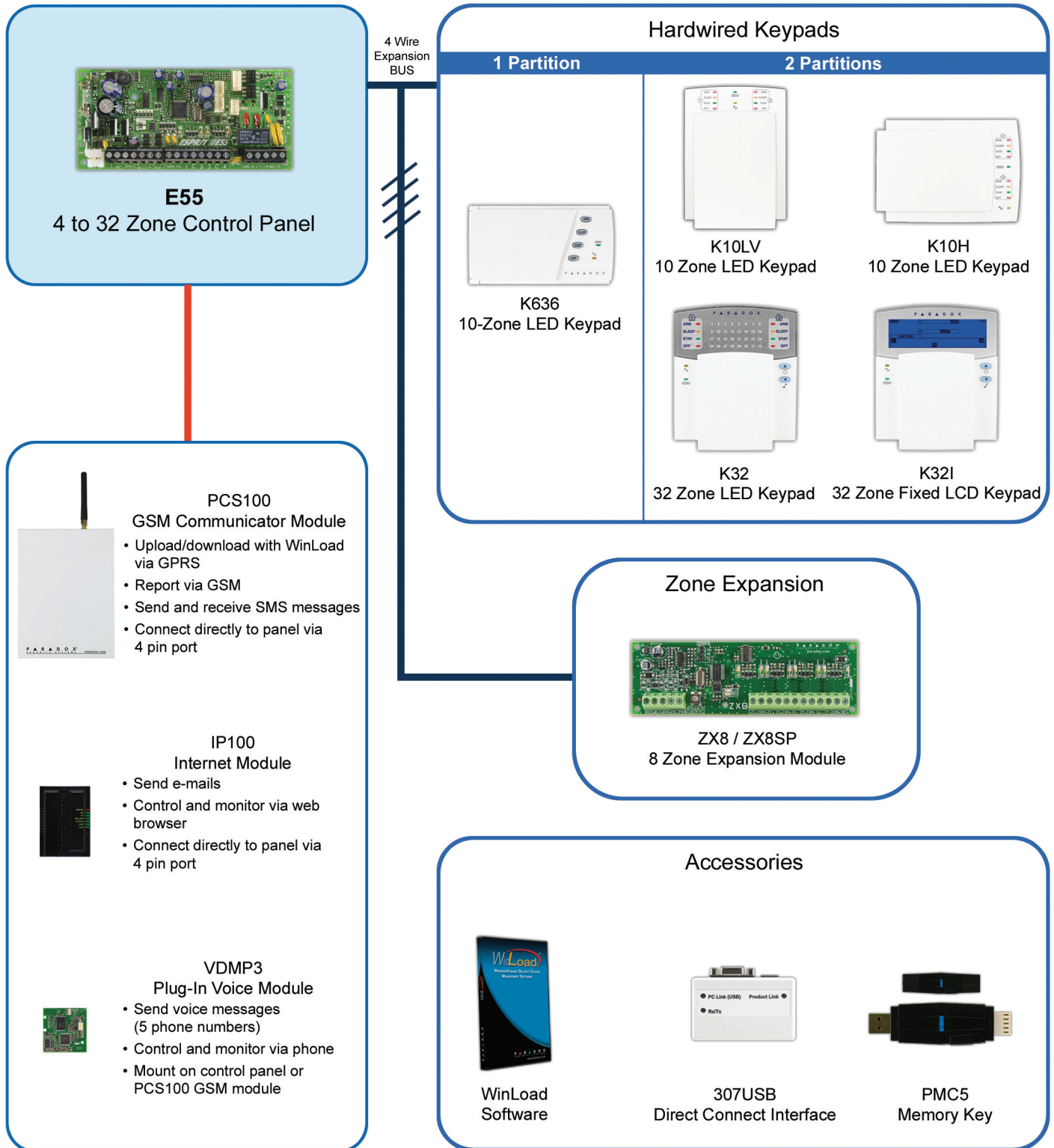
PMC5 | Hand-Held Plug-in USB Memory Key

- 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)



Esprit 4- to 32-Zone Security Systems

The new Esprit E55 control panel offers reliable, entry-level security that meets a host of customer needs. It includes more features such as StayD, enhanced expansion (up to 32 zones), and in-field upgradeability. The E-Series also supports modules such as the IP100 Internet module and the VDMP3 Plug-in Voice module.

The E-Series is StayD-enabled, which provides a higher level of security that ensures that the system is always armed, never disarmed. The E-Series also offers more keypad zones, WinLoad compatibility, partitioning, and easy-to-use menu-driven programming. With the support of the VDMP3, the new Esprit E55 panel can call you on your cellular to notify you of system events. Furthermore, system event notification through email is possible with the support of the IP100. The VDMP3 and IP100 provide the panel with off-site monitoring and control of the system. Based on the Magellan and Spectra SP Series platform, the E-Series uses the same programming method for users and installers.

The new Esprit E-Series provides the latest in security technology and a great value that is ideal for any residential or small business installation.

Security Features	E55	728ULT	738ULT
• StayD	✓	-	-
• Maximum Zones	32	10	18
• On-Board Zones	4 (8 with ATZ)	4 (8 with ATZ)	8 (16 with ATZ)
• Keypad Zones	15	2	2
• Partitions	2*	2	2
• Users	32	49	49
• PGMs	1	1	2
• Events Buffered	256	256	256
• Pager Reporting	✓	✓	✓
• GSM Communication (PCS100)	✓	-	-
• Internet TCP/IP Communication (IP100)	✓	-	-
• Voice and Utility Reporting (VDMP3)	✓	-	-
• In-field Firmware Upgrade	✓	-	-
• Upload / Download Software	WinLoad	Esplod	Esplod

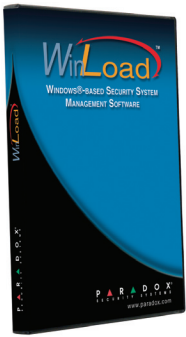
* 1 partition when used with K636 keypad

Esprit E-Series Control Panel



E55 | 4- to 32-Zone Control Panel

- StayD mode: see inside cover for details
- 4-wire expansion bus (connect up to 15 keypads and up to three ZX8 modules to a maximum total of 15 modules)
- 4 zone inputs or 8 with zone doubling, expandable to 32 zones
- 2 partitions (only 1 partition when used with K636 keypad)
- 1 on-board PGM
- 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
- 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



UDS | WinLoad Installer Upload/Download Software

- **Now supports GPRS communication through the PCS100**
- Supports TCP/IP connections through the IP100
- User-friendly programming and monitoring of the Magellan, Spectra SP and Digiplex EVO 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) using a 307USB Direct Connect Interface (60m/200ft) or a CV4USB Converter (300m/1000ft)
- In-field upgrading feature that allows WinLoad to upgrade the firmware of certain control panels/modules via a 307USB interface or a CV4USB converter
- Draw and download/upload up to 32 floor plans for Grafica (see page 7)
- Download images and tunes into Grafica (see page 7) for special events
- Multiple users, groups and databases
- Network-compatible database
- Advanced printing of reports and zone/user programming
- Supports 15 user-selectable languages

E-Series Keypads

Features Common to All Esprit E-Series Hardwired Keypads

- 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



K636 | 10-Zone Hardwired LED Keypad

- 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 Esprit E-Series Hardwired Keypads on page 23



K10V

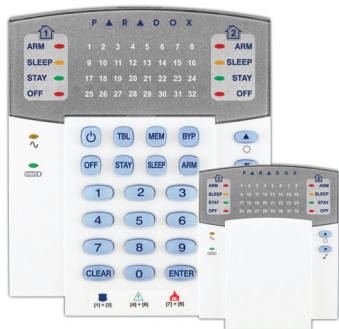
K10V | 10-Zone Hardwired LED Keypad (Vertical)

K10H | 10-Zone Hardwired LED Keypad (Horizontal)

- 2-partition keypad
- 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
- See Features Common to All Esprit E-Series Hardwired Keypads on page 23



K10H



K32 | 32-Zone Hardwired LED Keypad

- 2-partition keypad
- 32-zone LED display
- StayD status LED
- In-field firmware upgradeable via a 307USB and WinLoad
- Separate Arm, Sleep, Stay and Off LEDs per partition
- Adjustable backlight
- See Features Common to All Esprit E-Series Hardwired Keypads on page 23



K32I | 32-Zone Hardwired Fixed LCD Keypad

- 2-partition keypad
- 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
- See Features Common to All Esprit E-Series Hardwired Keypads on page 23

Hardwired Zone Expansion Module



ZX8SP | 8-Zone Expansion Module

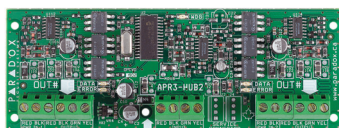
- ZX8SP is compatible with the Spectra SP series, E55, MG5000 and MG5050
- Add 8 zones
- 1 PGM output
- Use zone input as an anti-tamper switch input



ZX8 | 8-Zone Expansion Module

- Compatible with E55, MG5000, MG5050, Spectra SP and Digiplex EVO
- Add 8 zones
- 1 PGM output
- Use zone input as an anti-tamper switch input

System Accessories



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 900m (3000ft)
- Compatible with E55, MG5000, MG5050, Spectra SP Series and Digiplex EVO



PMC5 | Hand-Held Plug-in USB Memory Key

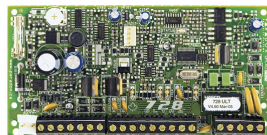
- Includes USB connector to download or upload system programming to or from a PC with WinLoad
- Lock switch to prevent accidental loss of data
- LED status indication
- Download or upload control panel/console programming within seconds
- Connect directly to memory connector on the control panel/console
- 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)

Esprit Control Panels



728ULT | 10-Zone Control Panel

- Zone alarm display: the zones in alarm are shown until the system is disarmed
- 4 zone inputs (8 zones with zone doubling) + 2 keypad zones
- 1 PGM output
- 1.1A switching power supply
- 2-wire smoke detector input
- Supports pager reporting
- 1 supervised bell output and 1 supervised auxiliary output
- 1 supervised telephone line
- Fits in a 20cm x 25cm x 8cm (8in x 10in x 3in) metal box



738ULT | 18-Zone Control Panel

Same features as the 728ULT plus:

- 8 zone inputs (16 zones with zone doubling) + 2 keypad zones
- 2 PGM outputs + 1 alarm relay
- Timed Test Transmission feature

Esprit Keypads

Features Common to All Esprit Keypads

- 1 keypad zone input
- Independently set chime zones
- 4 one-touch action buttons
- 3 keypad-activated panic alarms
- Adjustable backlight
- Compatible with 728ULT and 738ULT control panels

642BL | 32-Character Blue LCD Keypad

- 32-character blue LCD with programmable labels
- Upload/download keypad options and labels with the Memory Key (PMC5) through its on-board memory key connector
- Supports up to 9 built-in user-selectable languages in 5 language sets
- Display time using the 12hr or 24hr format
- Adjustable contrast and scroll speed
- Multiple zone display (status of several zones on one screen without zone label)
- See Features Common to All Esprit Keypads on page 25





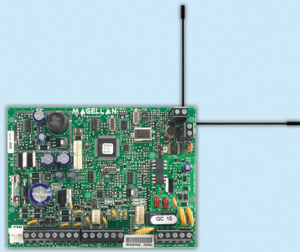
636 | 24-Zone LED Keypad (horizontal)

- 24-zone LED display
- Patented Key Light display (button lights up to indicate an open zone)
- Universal LED symbols
- Keypad rubber available in multiple languages
- See Features Common to All Esprit Keypads on page 25



646 | 24-Zone LED Keypad (vertical)

- 24-zone LED display
- Patented Key Light display (button lights up to indicate an open zone)
- Universal LED symbols
- Covers single gang box
- Keypad rubber available in multiple languages
- See Features Common to All Esprit Keypads on page 25



MG5000: 2 to 32 Zone Wireless Transceiver Control Panel



MG5050: 5 to 32 Zone Wireless Transceiver Control Panel

4-Wire Expansion BUS

Wireless Keypads and Remotes



K32IRF



K32RF



REM3



REM2



REM1

Hardwired Keypads



K32LCD

- K32LCD: 32 Zone LCD Keypad
- K32I: 32 Zone Fixed LCD Keypad
- K32: 32 Zone LED Keypad
- K10V: 10 Zone LED Keypad (Vertical)
- K10H: 10 Zone LED Keypad (Horizontal)
- K636: 10 Zone LED Keypad (1 Partition)

Expansion Modules



ZX8

- ZX8SP: 8 Zone Expansion Module
- ZX8: 8 Zone Expansion Module
- PGM4: 4 PGM Expansion Module

PCS100

GSM Communicator Module

- Upload/download with WinLoad via GPRS
- Report via GSM
- Send and receive SMS messages
- Connect directly to panel via 4 pin port



IP100

Internet Module

- Send e-mails
- Control and monitor via web browser
- Connect directly to panel via 4 pin port



VDMP3

Plug-In Voice Module

- Send voice messages (5 phone numbers)
- Control and monitor via phone
- Mount on control panel or PCS100 GSM module



Accessories

- PMC5: Memory Key
- 307USB: Direct Connect Interface
- WinLoad: Installer Software
- APR3-HUB2: 2 Port HUB

Wireless Devices



RPT1



2WPGM



SD738



DCT10



DCTXP2



DCT2



PMD85



PMD75



PMD1P

Magellan 32-Zone Wireless Transceiver Security Systems

The Magellan line of two-way wireless security systems provides you a combination of security, wireless convenience, easy installation and attractive customer features. Magellan is StayD-enabled, which provides a heightened level of security that ensures that the system is always armed, never disarmed. Also, the Magellan control panels can be expanded to provide you with more features, such as the new Plug-In Voice Module (VDMP3) and the TCP/IP Internet Module (IP100).

With their in-field firmware upgrade capability, Magellan control panels allow you to upgrade your system without hassle - quickly, easily and on site. And to further facilitate installation, every Magellan control panel can be configured using easy-to-follow menu-driven programming.

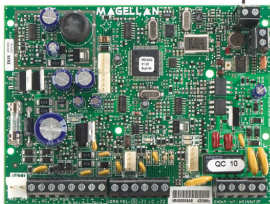
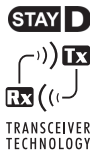
The features and benefits of the MG5000 and MG5050 make the Magellan line of wireless control panels ideal for any residential or small commercial installation requiring up to 32 zones of protection.

Security Features	MG5000	MG5050
• StayD	✓	✓
• Built-in Transceiver	✓	✓
• Maximum Zones*	32	32
• On-Board Hardwired Zones	2 (4 with ATZ)	5 (10 with ATZ)
• Expansion Zones (ZX8)	24	24
• Keypad Zones	15	15
• Partitions	2	2
• Users	32	32
• Remote Controls	32	32
• PGMs	16* (2 on-board)	16* (4 on-board)
• Events Buffered	256	256
• Wireless Keypads (K32RF and K32IRF)	8	8
• Wireless Repeaters	2	2
• Expansion Bus	✓	✓
• GSM Communication (PCS100)	✓	✓
• Internet TCP/IP Communication (IP100)	✓	✓
• Voice and Utility Reporting (VDMP3)	✓	✓
• Personal Dialing	✓	✓
• Pager Reporting	✓	✓
• In-field Firmware Upgrade	✓	✓

* = Any of which can be wireless

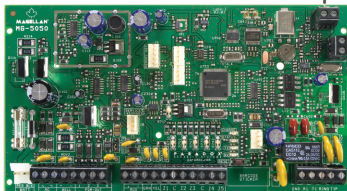
Control Panels

	GSM See page 2	IP See page 3	Voice See page 3
MG5000	✓	✓	✓
MG5050	✓	✓	✓



MG5000 | Magellan 32-Zone Wireless Transceiver Control Panel

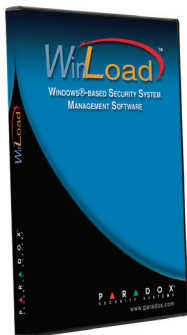
- StayD mode: see inside cover for details
- Built-in transceiver (433MHz or 868MHz)
- Compatible with all Magellan wireless devices (see pages 38 to 40) except K32WK
- 32 zones (any of which can be wireless)
- 2 on-board hardwired zone inputs (4 with ATZ)
- 2 partitions
- Supports 16 PGMs (any of which can be wireless)
- 2 on-board PGMs
- 32 users and 32 remote controls (one per user)
- 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
- 4-wire expansion bus (connect up to 15 keypads and up to three ZX8 modules to a maximum total of 15 modules)
- Push button software reset (reset to default values and restart)
- RF Jamming Supervision
- 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



MG5050 | Magellan 32-Zone Wireless Transceiver Control Panel

Same features as the MG5000 plus:

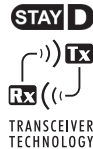
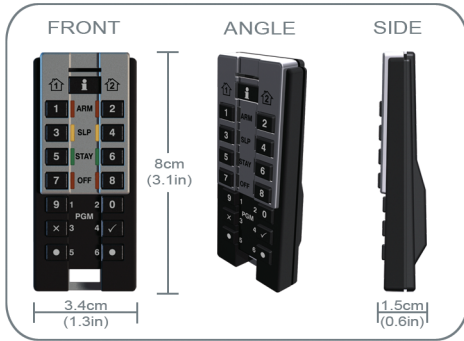
- 5 on-board hardwired zone inputs (10 with ATZ)
- 4 on-board PGM outputs, positive or negative triggering (PGM4 only)
- Fits in a 28cm x 28cm x 7.6cm (11in x 11in x 3in) metal box



UDS | WinLoad Installer Upload/Download Software

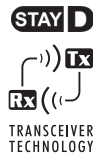
- **Now supports GPRS communication through the PCS100**
- Supports TCP/IP connections through the IP100
- User-friendly programming and monitoring of the Magellan, Spectra SP and Digiplex EVO control panels and modules
- Remote uploading and downloading using most standard modems at 300 baud
- On-site (local) uploading and downloading at 57.6k baud (Magellan console), 38.4k baud (EVO) or 9.6k baud (E55, MG5000, MG5050 and Spectra SP) using a 307USB Direct Connect Interface (60m/200ft) or a CV4USB Converter (300m/1000ft)
- In-field upgrading feature that allows WinLoad to upgrade the firmware of certain control panels/modules via a 307USB interface or a CV4USB converter
- Draw and download/upload up to 32 floor plans for Grafica (see page 7)
- Download images and tunes into Grafica (see page 7) for special events
- Multiple users, groups and databases
- Network-compatible database
- Advanced printing of reports and zone/user programming
- Supports 15 user-selectable languages

Magellan Remote Controls



REM3 | Hand-Held 2-Way Remote Keypad

- Two User Modes
Keypad Mode: Requires code entry
Remote Mode: One-touch arm and disarm
- Supports StayD
- Built-in transceiver (433MHz or 868MHz)
- Provides visual and auditory feedback of actions performed
- Press the Status button at any time to receive the system status
- Displays Arm, Sleep, Stay, or Off status of partition 1 and 2
- **Diagnostic Display:** Place REM3 at location of desired transmitter:
 Partition 1 LEDs display signal strength
 Partition 2 LEDs display noise floor level
- Use keys to toggle up to 6 PGMs or generate a panic
- Includes key holder
- Label to identify remote control owner
- Compact, water-resistant design
- 8cm x 3.4cm x 1.5cm (3.1in x 1.3in x 0.6in)
- Compatible with MG5000, MG5050 and Spectra SP when using an RTX3



REM2 | Magellan 2-Way Remote Control with Backlit Buttons

- Supports StayD (Version 2.0 or higher)
- Built-in transceiver (433MHz or 868MHz)
- Displays system status using visual (LED) and auditory feedback
- Press the Status button at any time to receive the system status
- Perform up to 6 different actions per remote control
- Compact, water-resistant design with backlight for buttons
- Label to identify remote control owner
- Wireless range in a typical residential environment:
 30m (100ft) with MG6130 / MG6160
 45m (150ft) with MG5000 / MG5050 / RTX3
- Also available with integrated access control card



REM1 | Magellan Remote Control with Backlit Buttons

- Water resistant, stylish clear blue plastic with backlight for buttons
- Perform up to 5 different actions
- Label to identify remote control owner
- Wireless range in a typical residential environment:
 30m (100ft) with MG6130 / MG6160
 45m (150ft) with MG5000 / MG5050
 60m (200ft) with RTX3
- Available in 433MHz or 868MHz
- Also available with integrated access control card



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 900m (3000ft)
- Compatible with E55, MG5000, MG5050, Spectra SP Series and Digiplex EVO

Wireless Keypads

STAY D

Features Common to All Magellan Wireless Keypads

- Supports StayD
- View zone and system status live in real time
- Built-in transceiver (433MHz or 868MHz)
- In-field firmware upgradeable via a 307USB and WinLoad
- Fully functional: can be used to program the control panel
- 8 one-touch action buttons
- 3 keypad-activated panic alarms
- 2-partition keypads
- Compatible with MG5000, MG5050 and Spectra SP when using an RTX3



K32RF | 32-Zone Wireless LED Keypad

- 32-zone LED display
- StayD status LED
- Separate Arm, Sleep, Stay and Off LEDs per partition
- Adjustable backlight
- Includes 3.7Vdc Li-Ion rechargeable battery
- Requires 6Vdc power adaptor (PA6 not included)
- Wireless range in a typical residential environment: 40m (130ft)
- See Features Common to All Magellan Wireless Keypads on page 31



K32IRF | 32-Zone Wireless Fixed LCD Keypad

- View zone and system status live in real time
- Fixed message display that guides you in the operation of the system
- Displays the status of 32 zones in 2 partitions
- Displays StayD status
- Displays Arm, Sleep, Stay and Disarmed status for each partition
- Displays troubles, bypassed zones and alarm memory
- Adjustable backlight
- Fully powered by 2 AA alkaline batteries
- The 6Vdc power adaptor is not required but can be used as an alternative power source (PA6 not included)
- Wireless range in a typical residential environment: 40m (130ft)
- See Features Common to All Magellan Wireless Keypads on page 31



PA6 | 6Vdc Power Adapter Plug

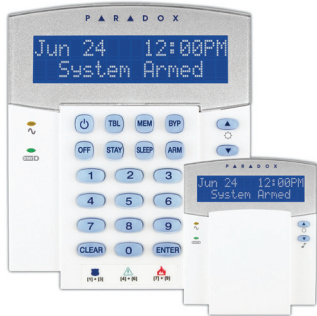
- For the K32RF, K32WK and K32IRF
- Provides 6Vdc at 350mA max
- Includes one of 5 different power outlets: ACPEU (Europe), ACPAUS (Australia), ACPCH (China), ACPUK (United Kingdom) and ACPUL (North America)
- 6-foot wire

Hardwired Keypads



Features Common to All Magellan Hardwired Keypads

- 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 K32LCD



K32LCD | 32-Character Hardwired LCD Keypad Module

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



K32I | 32-Zone Hardwired Fixed LCD Keypad

- 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 Magellan Hardwired Keypads on page 32



K32 | 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 Magellan Hardwired Keypads on page 32

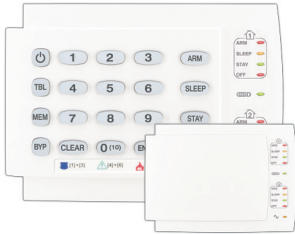
K10V | 10-Zone Hardwired LED Keypad (Vertical)

K10H | 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 Magellan Hardwired Keypads on page 32



K10V



K10H



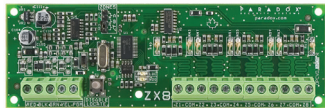
K636 | 10-Zone Hardwired LED Keypad

- 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 Magellan Hardwired Keypads on page 32

Hardwired Zone Expansion Modules

ZX8SP | 8-Zone Expansion Module

- ZX8SP is compatible with the Spectra SP series, E55, MG5000 and MG5050
- Add 8 zones
- 1 PGM output
- Use zone input as an anti-tamper switch input



ZX8 | 8-Zone Expansion Module

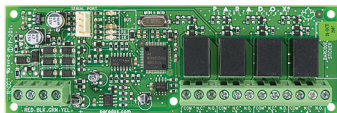
- Compatible with E55, MG5000, MG5050, Spectra SP and Digiplex EVO
- Add 8 zones
- 1 PGM output
- Use zone input as an anti-tamper switch input



System Accessories

PGM4 | 4-PGM Expansion Module

- Current version is compatible with 1728/1738 control panels and Digiplex EVO, V3.0 will also be compatible with MG5000, MG5050 and Spectra SP
- In-field firmware upgradeable via a CV4USB or 307USB and WinLoad (PGM4 V3.0)
- 4 programmable 5A relay outputs
- Deactivate PGM after event or timer
- Pulse PGM output for fire alarms
- Will replace currently available PGM4



**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)

**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

Wireless Keypad



K32WK

**Industry-First
Real-Time
Wireless
Keypad**

Remote Controls



REM2



REM1

Wireless Accessories



RPT1

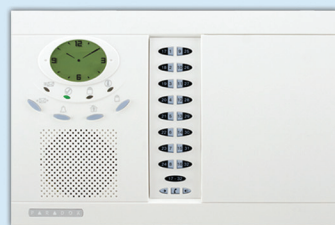


2WPGM



SD738
*Manufactured
by EVERday

All-In-One Wireless Consoles



MG6130



MG6160

Wireless Motion Detectors



PMD85



PMD75



PMD1P

Wireless Door Contacts



DCT2



DCTXP2



DCT10

Magellan All-in-One Wireless Consoles

Magellan is the first security system to combine security with popular consumer features and a stylish design. The Magellan line of all-in-one security systems and transmitters provide completely wireless security for any residential or small commercial installation. Magellan also features support for two-way wireless transmitters that allow users, for instance, to confirm the status of their systems through a remote control.

Magellan's 32-zone systems are quick and convenient to install and with their friendly menu-driven programming require practically no training whatsoever. And with their in-field firmware upgrade capability, you can conveniently update an installed system, on-site, within minutes.

The Magellan all-in-one security systems combine security with unique consumer features, such as an FM radio, high quality sound, a family message center, a hands-free speakerphone, an alarm and a designer look you may never have associated with security. With Magellan, you have security and so much more.

Security Features	MG6130	MG6160
• Built-in Transceiver	✓	✓
• Maximum Zones	32	32
• On-Board Hardwired Zones	2	2
• Users	16	16
• Remote Controls	16	16
• PGMs	4 (2 on-board)	4 (2 on-board)
• Events Buffered	256	256
• Wireless Keypads (K32WK)	4	4
• Wireless Repeaters	2	2
• Voice and Utility Reporting	✓	✓
• Pager Reporting	✓	✓
• Two-way Voice Communication	-	✓
• In-field Firmware Upgrade	✓	✓
• Auxiliary Output	✓	✓
Consumer Features		
• FM Radio	-	✓
• Hands-free Speakerphone	-	✓
• High-quality Voice and Sound	✓	✓
• Family Message Center	✓	✓
• Alarm Clock	✓	✓
• Access System Menus by Telephone	✓	✓
• Home Automation (X10)	-	✓

All-In-One Wireless Consoles



MG6130 | Magellan 32-Zone All-In-One Wireless Console

- 32 wireless zones
- 13.8Vdc, 200mA auxiliary output
- Built-in transceiver (433MHz or 868MHz)
- Built-in 16-character LCD keypad with LED and voice prompt
- High-quality voice and sound
- Family message center, alarm clock and chime zones
- Voice, Utility and Pager reporting
- Access system menus remotely by telephone
- 57.6k baud communication with WinLoad
- Wall or desktop mounting
- 16 users and 16 remote controls
- 256 events buffered
- 2 on-board PGM outputs
- Built-in 90dB siren
- Includes 7.2V 1.2 Ah NiMH rechargeable battery pack (Paradox # 0780100172)
- Size: 21.8cm x 14.7cm x 3.6cm (8.6in x 5.8in x 1.4in)



MG6160 | Magellan 32-Zone All-In-One Wireless Console

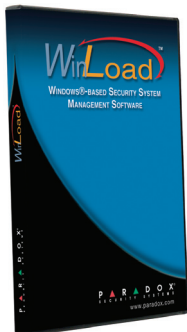
Same features as the MG6130 plus:

- FM radio
- Hands-free speakerphone
- Two-way voice communication with monitoring station
- Home automation (X10)
- Two-tone metallic silver and blue plastic enclosure



PA12 | 13.8Vdc Power Adapter Plug

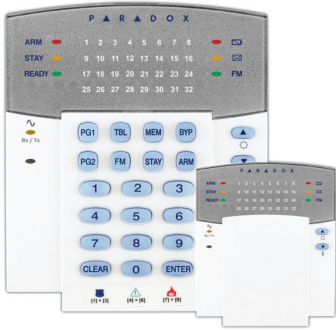
- For the MG6130, MG6160 and 2WPGM
- Provides 13.8Vdc at 1A max
- Includes one of 5 different power outlets: ACPEU (Europe), ACPAUS (Australia), ACPCH (China), ACPUK (United Kingdom) and ACPUL (North America)
- 6-foot wire



UDS | WinLoad Installer Upload/Download Software

- **Now supports TCP/IP connections through the IP100**
- User-friendly programming and monitoring of the Digiplex EVO, Magellan, Spectra SP Series and Esprit E55 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 CV4USB 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 CV4USB converter
- Multiple users, groups and databases
- Network-compatible database
- Advanced printing of reports and zone/user programming
- Supports 15 user-selectable languages

Wireless Keypad



K32WK | 32-Zone Wireless LED Keypad

- View zone and system status live in real time
- Built-in transceiver (433MHz or 868MHz)
- 32-zone LED display
- Arm, Stay and Ready status LEDs
- Low Battery, Message and FM status LEDs
- In-field firmware upgradeable via a 307USB and WinLoad
- Wireless range in a typical residential environment: 40m (130ft)
- 8 one-touch action buttons
- 3 keypad-activated panic alarms
- Adjustable backlight
- Includes 3.7Vdc Li-Ion rechargeable battery
- Requires 6Vdc power adaptor (PA6 not included)



PA6 | 6Vdc Power Adapter Plug

- For the K32RF, K32WK and K32IRF
- Provides 6Vdc at 350mA max
- Includes one of 5 different power outlets: ACPEU (Europe), ACPAUS (Australia), ACPCH (China), ACPUK (United Kingdom) and ACPUL (North America)
- 6-foot wire

Magellan Remote Controls



REM2 | Magellan 2-Way Remote Control with Backlit Buttons

- Supports StayD (Version 2.0 or higher)
- Built-in transceiver (433MHz or 868MHz)
- Displays system status using visual (LED) and auditory feedback
- Press the Status button at any time to receive the system status
- Perform up to 6 different actions per remote control
- Compact, water-resistant design with backlight for buttons
- Label to identify remote control owner
- Wireless range in a typical residential environment:
 - 30m (100ft) with MG6130 / MG6160
 - 45m (150ft) with MG5000 / MG5050 / RTX3

RAC2: | Magellan 2-Way Remote Control with Integrated Access Card

Same features as the REM2 plus:

- Built-in access card. Present remote control to a reader like an access card
- See supported readers on page 12



REM1 | Magellan Remote Control with Backlit Buttons

- Water resistant, stylish clear blue plastic with backlight for buttons
- Perform up to 5 different actions
- Label to identify remote control owner
- Wireless range in a typical residential environment:
 - 30m (100ft) with MG6130 / MG6160
 - 45m (150ft) with MG5000 / MG5050
 - 60m (200ft) with RTX3
- Available in 433MHz or 868MHz

RAC1 | Magellan Remote Control with Integrated Access Card

Same features as the REM1 plus:

- Built-in access card. Present remote control to a reader like an access card
- See supported readers on page 12

Magellan Wireless Motion Detectors

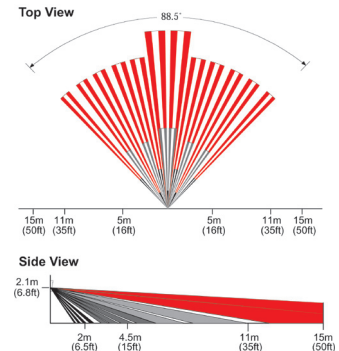
Features Common to All Magellan Wireless Motion Detectors

- Patented Auto Pulse Signal Processing
- Automatic Temperature Compensation
- Alive software (alarm LED continues to display when PIR is in energy save mode without compromising battery life)
- 3-minute energy save mode after two detections within a five-minute period
- Available in 433MHz or 868MHz
- Low battery and detect LED
- Anti-tamper switch



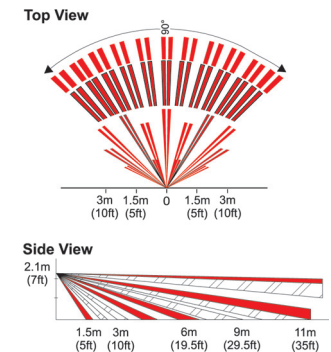
PMD1P | Analog Single-Optic PIR (18kg/40lb Pet Immunity)

- Dual element sensor
- Immune to animals weighing up to 18kg (40lb)
- 11m x 11m (35ft x 35ft) and up to 15m (50ft) for center beams with 88.5° viewing angle
- Wireless range in a typical residential environment:
35m (115ft) with MG6130 / MG6160
70m (230ft) with MG5000 / MG5050 / RTX3
- When a higher level of immunity is required, such as when animals are constantly in the detection area, consider using PMD75
- See Features Common to All Magellan Wireless Motion Detectors on page 39



PMD75 | Digital Dual-Optic High-Performance PIR (40kg/90lb True Pet Immunity)

- Digital Motion Detection
- Dual optics (2 dual opposed element sensors)
- Immune to animals weighing up to 40kg (90lb)
- Digital Dual Opposed Detection
- Digital Shield algorithm with adjustable sensitivity
- Single or Dual Edge Processing
- 11m x 11m (35ft x 35ft) with 90° viewing angle
- Wireless range in a typical residential environment:
35m (115ft) with MG6130 / MG6160
70m (230ft) with MG5000 / MG5050 / RTX3
- See Features Common to All Magellan Wireless Motion Detectors on page 39



PMD85 | Outdoor Digital Dual-Optic High-Performance PIR

Same features as PMD75 plus a special weatherproof design:

- The PMD85 series is available with one of three lenses: Pet Array, Horizontal Curtain Beam or Vertical Curtain Beam. See PMD85 / DG85 Lenses on page 48 for more details
- Impact and temperature resistant casing
- Operates at -35°C to +50°C (-31°F to +122°F)
- Casing lined with an injected rubber gasket
- UV protected lens
- Dual Optical Filtering System
- Metal shield maximizes protection from EMI and RFI signals
- Multi-level sensitivity adjustment

Magellan Wireless Door Contacts



DCT10 | 2-Zone Long-Range Door Contact

- 2-zone capabilities where each zone is independent and has its own serial number
- Zone 1 - One of two high-sensitivity reed switches (magnet included) (N.O./N.C.)
- Zone 2 - Universal transmitter input (N.O./N.C.)
- Wireless range in a typical residential environment:
 - 35m (115ft) with MG6130 / MG6160
 - 70m (230ft) with MG5000 / MG5050 / RTX3
- Low battery and signal transmission LED
- Available in 433MHz or 868MHz
- Anti-tamper switch
- Dimensions: 12.4cm x 4.5cm x 3.3cm (4.9in x 1.8in x 1.3in)



DCTXP2 | 2-Zone Wireless Door Contact

- 2-zone capabilities where each zone is independent and has its own serial number
- Zone 1 - One high-sensitivity reed switch (magnet included)
- Zone 2 - Universal transmitter input (N.O./N.C.)
- Wireless range in a typical residential environment:
 - 30m (100ft) with MG6130 / MG6160
 - 60m (200ft) with MG5000 / MG5050 / RTX3
- Low battery and signal transmission LED
- Available in 433MHz or 868MHz
- Anti-tamper switch
- Dimensions: 11.2cm x 3.2cm x 2.5cm (4.4in x 1.3in x 1in)
- Available in white and brown



DCT2 | Ultra-Small Door Contact

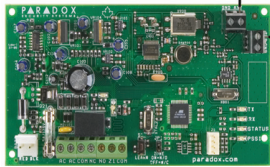
- One high-sensitivity reed switch (magnet included)
- Wireless range in a typical residential environment:
 - 20m (65ft) with MG6130 / MG6160
 - 40m (130ft) with MG5000 / MG5050 / RTX3
- Available in 433MHz or 868MHz
- Anti-tamper switch
- Dimensions: 4.4cm x 3.0cm x 1.9cm (1.7in x 1.2in x 0.75in)

Magellan Accessories



2WPGM | Magellan 2-Way Wireless PGM

- Built-in transceiver (433MHz or 868MHz)
- Backup Alarm Reporting option (activates PGM output if communication between the Magellan console and the 2WPGM is lost)
- 1 programmable 5A relay output
- Deactivate PGM after event or timer
- Requires an AC or DC input voltage (6Vac to 16.5Vac or 5Vdc to 30Vdc)
- Can be powered by the PA12 (see page 37)
- Universal transmitter input (N.O./N.C.)
- Wireless range in a typical residential environment:
 - 35m (115ft) with MG6130 / MG6160
 - 70m (230ft) with MG5000 / MG5050 / RTX3
- Anti-tamper switch
- Dimensions: 12.4cm x 4.5cm x 3.3cm (4.9in x 1.8in x 1.3in)



RPT1 | Magellan Wireless Repeater Module

- Built-in transceiver (433MHz or 868MHz)
- Extends the range of wireless communications
- Supports all Magellan transmitters (including 2-way transmitters)
- In-field firmware upgradeable via a 307USB and WinLoad
- Programmed in panel or console
- Select which zone, PGM and/or keypad signals are repeated
- Signal strength display
- RF jamming supervision
- Fully supervised by panel or console
- 1 programmable 5A relay output
- Universal transmitter input (N.O./N.C.)
- Wireless range in a typical residential environment:
75m (240ft) with 433MHz
50m (160ft) with 868MHz
- Compatible with MG5000, MG5050, MG6160 and MG6130
- Compatible with the Spectra SP Series when used with a RTX3
- AC input (16Vac, 20VA)
- 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



SD738 | EVERday Smoke Detector

- One high-sensitivity photoelectric smoke sensor
- Built-in siren
- Wireless range in a typical residential environment:
30m (100ft) with MG6130 / MG6160
60m (200ft) with MG5000 / MG5050 / RTX3
- Available in 433MHz or 868MHz
- Manufactured and available exclusively through **EVERday** Technology Co. Ltd. (Taiwan)



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)



UIP256 | Universal In-Field Programmer

- Upgrade Magellan console and Grafica (V1.21 to 1.4) firmware locally in the field
- Includes proprietary PC software, cables to interconnect a Magellan console or a Grafica keypad and a PC, and two 9V batteries
- The supplied PC software retrieves the latest Magellan or Grafica update file (firmware) from our website and then updates the Magellan console or the Grafica keypad



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

Stand-Alone Magellan Accessories



RTX3 | Wireless Expansion Module (Stand-Alone)

For specifications when used with control panels, refer to page 19 for Spectra SP Series or page 10 for Digiplex EVO. Stand-Alone operation as follows:

- 32 wireless zones and 8 remote controls (activates on-board PGMs)
- Functions with all Magellan wireless devices (see page 38 to 41) except 2WPGM, REM2, REM3, RPT1 and wireless keypads
- Can be used with a PX8 to activate hardwired outputs
- In-field firmware upgradeable via a 307USB and WinLoad
- 3 PGM output and 1 optional output
- Program with an Esprit 636 or 646 keypad
- Available in 433MHz or 868MHz



PX8 | Output Module for Magellan Transceiver

- Connected to the RTX3 in stand-alone mode, the PX8 communicates the status of up to 8 wireless events, such as zones opening or closing, through its 8 hardwired outputs
- You can also set an output to signal a zone tamper, supervision loss or low battery
- You can also set an output to activate upon pressing specific buttons on an REM1 or RAC1 remote control
- Connect up to four PX8 on a single RTX3
- Outputs can follow events or have a delay of 1 to 999 seconds or minutes
- Use an RTX3 on-board PGM to supervise the PX8
- In-field firmware upgradeable via a 307USB and WinLoad
- Program with an Esprit 636 or 646 keypad

Motion Detectors

From outdoor and pet-friendly digital motion detectors to analog motion detectors, the Paradox series of motion detectors combine advanced features and patented technologies to provide a high level of detection and false alarm prevention.

The Digigard (DG55, DG65, DG75 and DG85 series), Elegance (DG483), Digital Vision (525D) and Paradome DG466 line of motion detectors offer patented digital motion detection. Developed for high-security applications, this advanced circuit design performs direct analog to digital conversion of the PIR sensor's signal using a powerful, high-speed microprocessor-based digital IC. Completely software-driven, true digital motion detection converts, amplifies and processes the sensor's low-level signal in the digital domain without any analog circuitry (no saturation, no loss of data and no noise). This unique technology provides increased accuracy, reliability and superior false alarm immunity.

The Digigard series includes the DG85 series Outdoor Digital Dual-Optic High-Performance PIR that combines a special weatherproof design and the proven technology of our DG75 Digital Dual-Optic High-Performance PIR (40kg/90lb True Pet Immunity) to provide the same reliable protection—outdoors. With its patented optics and digital processing technologies, the world-renown Digigard DG75 is a reliable false-alarm free motion detector with unmatched pet immunity.

Our patented Auto Pulse Signal Processing transforms the signal energy to a pulse output to determine if the progression of the detected occurrence corresponds to an alarm condition. Energy from the signals are measured and stored in memory until a minimum level is reached. The processor then rejects signals that do not meet its required specifications for generating an alarm.

Whatever the application, there's a Paradox motion detector that will suit your needs and surpass your expectations.

Digital Motion Detectors



Features Common to All Digital Motion Detectors

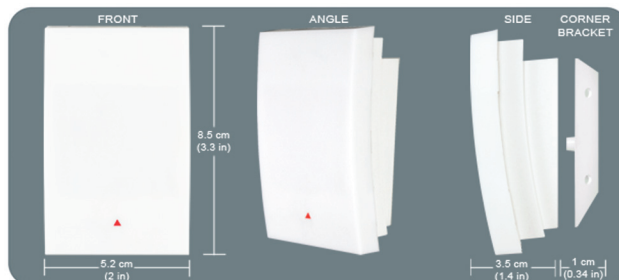
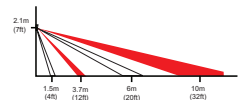
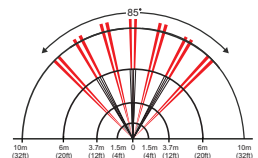
- Patented* Digital Motion Detection (see above)
 - Patented Auto Pulse Signal Processing
 - Digital Shield algorithm software with adjustable sensitivity
 - Single or Dual Edge Processing†
 - Automatic Temperature Compensation
 - Metal shield maximizes protection from EMI and RFI signals‡
 - Solid-state relay
 - Anti-tamper switch
- * The patent does not apply to the DG467 (see page 45)
† Except DG466 (see page 45)
‡ Except DG483 (see page 43) and DG467 (see page 45)

Elegance



DG483 | Elegance Digital Motion Detector

- Dual element sensor
- 10m x 10m (32ft x 32ft); 85° viewing angle
- Unique simple design
- Small size 8.5cm x 5.2cm x 3.5cm (3.3in x 2in x 1.4in)
- Includes corner bracket
- See Features Common to All Digital Motion Detectors above

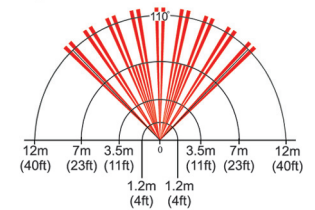




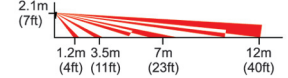
DG55 | Dual Element Digital Motion Detector

- Dual element sensor
- 12m x 12m (40ft x 40ft); 110° viewing angle
- See Features Common to All Digital Motion Detectors on page 43

Top View



Side View



DG65 | Quad Element Digital Motion Detector

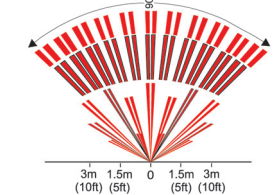
- Digital Dual Opposed Detection
- Interlock Sensor Geometry
- Quad element sensor
- 12m x 12m (40ft x 40ft); 110° viewing angle
- See Features Common to All Digital Motion Detectors on page 43



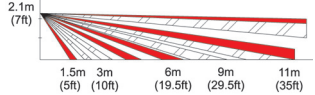
DG75 | Digital Dual-Optic High-Performance PIR (40kg/90lb True Pet Immunity)

- Extremely reliable and false-alarm free
- Dual optics (2 dual opposed element sensors)
- Provides superior pet immunity using a patented combination of advanced optics and digital processing technologies
- Immune to pets weighing up to 40kg (90lb)
- Digital Dual Opposed Detection
- 11m x 11m (35ft x 35ft); 90° viewing angle
- See Features Common to All Digital Motion Detectors on page 43

Top View



Side View



DG85 | Outdoor Digital Dual-Optic High-Performance PIR

Same features as the DG75 (see above) plus a special weatherproof design:

- The DG85 series is available with one of three lenses: Pet Array, Horizontal Curtain Beam or Vertical Curtain Beam. See PMD85 / DG85 Lenses on page 48 for more details
- Impact and temperature resistant casing
- Operates at -35°C to +50°C (-31°F to +122°F)
- Casing lined with an injected rubber gasket
- UV protected lens
- Dual Optical Filtering System
- Multi-level sensitivity adjustment
- Two operational modes (addressable for the EVO series or conventional relay operation)

SB85 | Heavy Duty Outdoor Swivel Bracket

- For use with the PMD85 (page 39) and DG85 series (page 44) outdoor digital PIRs
- Innovative T-joint allows for movement along two axes for better maneuverability and better detector positioning
- 3 in 1: ceiling, wall or corner mount bracket
- Cap lock prevents unauthorized repositioning of outdoor detector

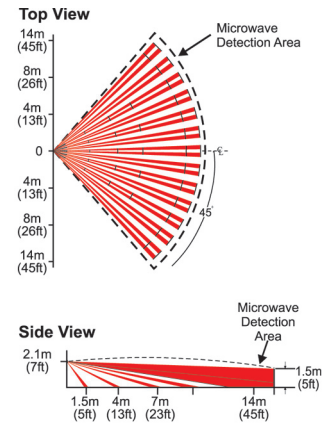
Movement along 2 axes





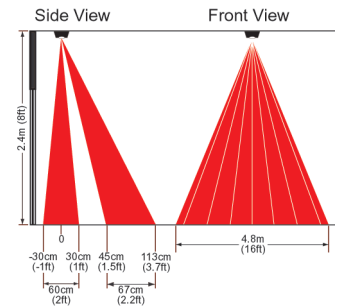
525D | Microwave and Infrared Digital Motion Detector

- Digital microwave detection
- 3 LED indicators display type of movement
- Once the PIR validates that a signal meets alarm conditions, Digital Vision uses microwave signals to confirm the results before generating an alarm
- Adjustable microwave range
- 14m x 14m (45ft x 45ft); 90° viewing angle
- See Features Common to All Digital Motion Detectors on page 43



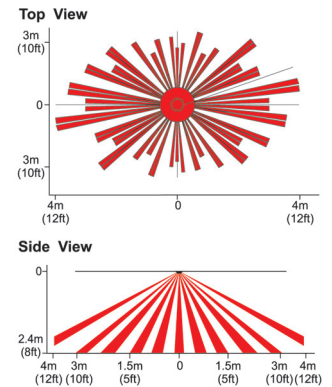
DG466 | Directional Ceiling-Mounted Digital Motion Detector

- Two dual element sensors (determine if movement is incoming or outgoing)
- One incoming detection relay output
- One outgoing detection relay output
- Adjustable return delay timer (exit and reenter without causing an alarm)
- 67cm x 4.8m (2.2ft x 16ft) and 60cm x 4.8m (2ft x 16ft)
- See Features Common to All Digital Motion Detectors on page 43



DG467 | 360° Ceiling Mounted Motion Detector

- Dual element sensor
- 7m x 6m (24ft x 20ft) at 2.4m (8ft)
- 11m x 6m (35ft x 20ft) at 3.7m (12ft)
- 360° viewing angle
- Two operational modes (addressable for the Digiplex and Digiplex EVO series or conventional relay operation)
- See Features Common to All Digital Motion Detectors on page 43



Analog Motion Detectors

Features Common to All Analog Motion Detectors

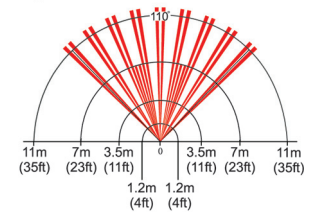
- Patented Auto Pulse Signal Processing
- Automatic Temperature Compensation
- Metal shield maximizes protection from EMI and RFI signals
- Dual element sensor
- Anti-tamper switch



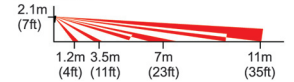
476+ | PIR with High EMI and RFI Rejection

- Extremely high EMI and RFI rejection
- PCB uses only surface mount components
- Solid-state relay
- 11m x 11m (35ft x 35ft); 110° viewing angle
- See Features Common to All Analog Motion Detectors on page 46

Top View



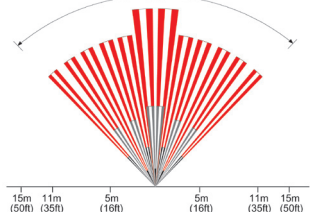
Side View



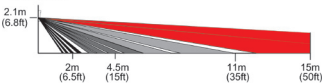
476PET | Analog Single-Optic PIR (18kg/40lb Pet Immunity)

- Immune to animals weighing up to 18kg (40lb)
- When a higher level of immunity is required, such as when animals are constantly in the detection area, consider using DG75
- 11m x 11m (35ft x 35ft) and up to 15m (50ft) for center beams with 88.5° viewing angle
- Extremely high EMI and RFI rejection
- PCB uses only surface mount components
- Solid-state relay
- See Features Common to All Analog Motion Detectors on page 46

Top View

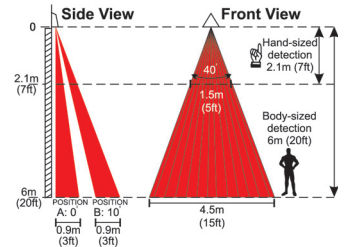


Side View



460 | Vertical View Motion Detector

- Adjustable lens position (0° or 10°)
- Selectable operational voltage (12Vdc or 24Vdc)
- Adjustable alarm signal duration
- Detects hand-sized objects for card access applications: 2.1m x 1.5m (7ft x 5ft)
- Detects body-sized objects for security applications: 6m x 4.5m (20ft x 15ft)
- See Features Common to All Analog Motion Detectors on page 46

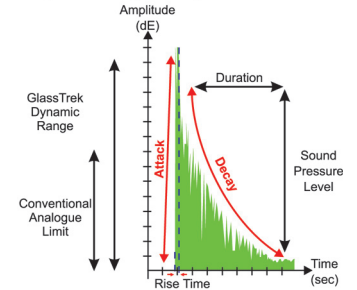




DG457 | Digital Glassbreak Bus Detector

- Two operational modes (addressable for the EVO series or conventional relay operation)
- Remote test mode when used with Test Trek V2
- Full audio and infrasonic spectrum analysis
- 7 frequency digital filters, digital amplifier gain and frequency fluctuation assessment
- Impact and shock wave analysis
- High-immunity to RFI and EMI signals
- Adjustable sensitivity: covers up to 9m (30ft) when set to high and up to 4.5m (15ft) when set to low
- TestTrek (459 V2.0) used for testing available separately
- Anti-tamper switch

Signal Envelope Analysis



457 | Digital Glassbreak Detector

Same features as the DG457 (see above) except:

- Conventional relay operation only



459 | Test Trek

- Toggle test mode remotely
- Use with DG457 and 457 to test the modules



950 | Safe Protector

- High-sensitivity piezoelectric element
- Five sensitivity settings
- 2.5m (8ft) protection range
- Anti-tamper switch



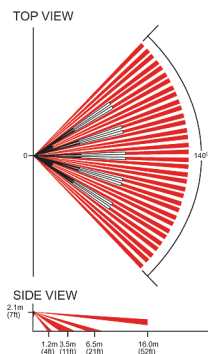
SB469 | Swivel Mount Bracket

- 3 in 1: ceiling, wall or corner mount bracket
- Ensures optimal coverage

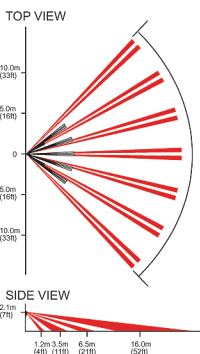
Lenses

The following beam patterns represent the optional lenses that are available for the Pro+ (476+), Digigard 55 (DG55), Digigard 65 (DG65), Digiplex Motion Detector Modules (DM50 and DM60), Digital Vision (525D) and Magellan (PMD1P) motion detectors. Distances shown may vary according to the selected motion detector; please verify the motion detector's specifications.

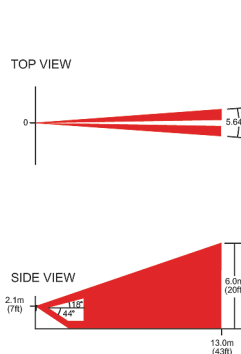
WIDE ANGLE-2



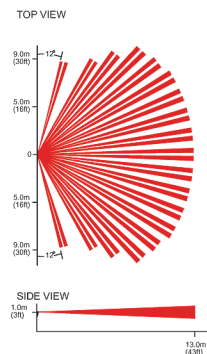
WIDE ANGLE-3



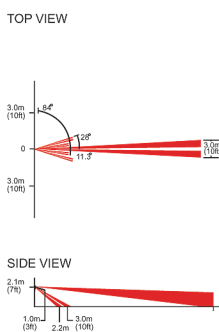
CURTAIN-1



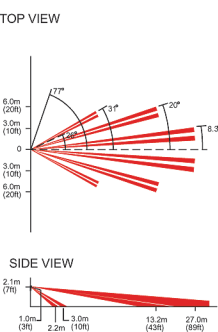
PET ALLEY



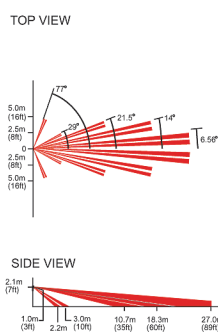
LONG RANGE-1



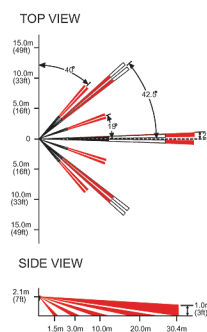
LONG RANGE-2



LONG RANGE-3

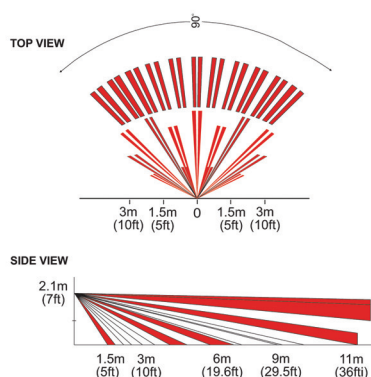


LONG RANGE-4



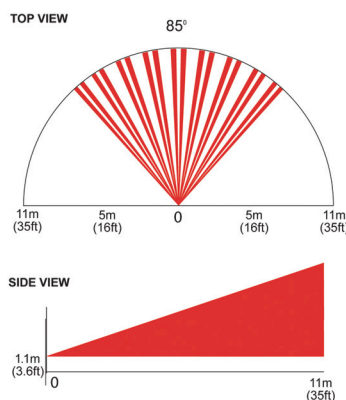
PMD85 / DG85 Lenses

Pet Array



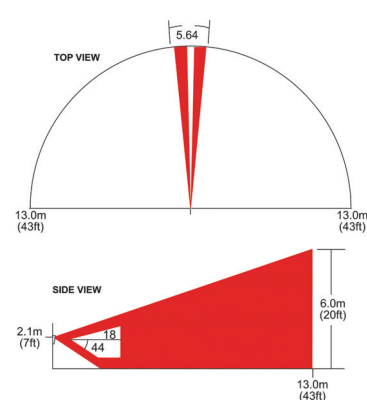
- Patented Animal Immunity (up to 40kg/ 90lbs)
- 11m x 11m (35ft x 35ft) with 90° viewing angle

Horizontal Curtain Beam



- Allows large-breed dogs and multiple pets to roam free below the 1.1m (3.6ft) detection level
- 11m x 11m (35ft x 35ft) with 90° viewing angle

Vertical Curtain Beam



- Protect corridors or vertical surfaces such as walls or balcony doors
- 13m (43ft) x 2 beams; 5.64° viewing angle

Security Accessories

Paradox offers a number of security accessories to complement our systems, such as a voice dialer, a digital communicator, metal boxes and more.



VD710 | ParaVox Voice Dialer

- Local and remote telephone programming
- Provides any control panel with remote voice and pager messaging
- 4 zone inputs and 2 PGM outputs
- 4 telephone and 4 pager numbers
- 1 installer and 4 user PINs
- Voice message length: 4 x 15 seconds or 2 x 30 seconds
- In-field firmware upgradeable via 307USB and WinLoad
- Available in multiple languages



PS817 | Switching Power Supply

- 12Vdc, 1.75A switching power supply
- Fuseless electronic protection with automatic restore
- Automatic transfer to backup battery power
- Second backup battery connector (optional)
- Battery test input



320S | Phone Line Protector

- Provides installations with superior protection against damage caused by lightning and surges on telephone lines
- Gas arrestor and sidactor protection



TK278 | Tamper Kit

- Use with metal boxes
- Protects against tampering (opening door or removal from wall)

















Metal Boxes

- Provision for multiple module and panel mounting
- Many punch-out holes for simple wiring
- Easy door removal
- Convenient sizes:
 - 20cm x 25.5cm x 7.6cm (8in x 10in x 3in)
 - 28cm x 28cm x 7.6cm (11in x 11in x 3in)
 - 33cm x 40.5cm x 10cm (13in x 16in x 4in)

PBOX | Plastic Enclosure

- For use with ZX8, PGM4, ADM2, PRT3, RTX3 and VD710

Motion Detector Comparison Chart

Products	Features												
	Digital Detection	Auto Pulse Signal Processing	Auto Temp. Compensation	Shield Algorithm	Dual Edge Proc.	Dual Opposed	Interlock Sensor Geometry	Special	Animal Immunity	Metal Shield	Sensor	Coverage (Viewing Angle)	Optional Lenses
	✓	✓	✓	✓	✓	-	-	-	-	-	Dual element	m:10 x 10 ft: 33 x 33 85°	-
	✓	✓	✓	✓	✓	-	-	-	-	✓	Dual element	m:12 x 12 ft: 40 x 40 110°	✓
	✓	✓	✓	✓	✓	✓	✓	-	-	✓	Quad element	m:12 x 12 ft: 40 x 40 110°	✓
	✓	✓	✓	✓	✓	✓	-	-	40kg/90lb	✓	2 Dual elements	m:11 x 11 ft: 35 x 35 90°	-
	✓	✓	✓	✓	✓	✓	-	Outdoor	40kg/90lb	✓	2 Dual elements	See page 48	✓
	✓	✓	✓	✓	✓	-	-	Micro-wave	-	-	Dual element	m:11 x 11 ft: 35 x 35 90°	✓
	✓	✓	✓	✓	-	-	-	Directional	-	-	2 Dual elements	see page 45	-
	-	✓	✓	✓	✓	-	-	-	-	-	Dual element	see page 45	-
	-	✓	✓	-	-	-	-	-	-	✓	Dual element	m:11 x 11 ft: 35 x 35 110°	✓
	-	✓	✓	-	-	-	-	-	18kg/40lb	✓	Dual element	see page 46	-
	-	✓	✓	-	-	-	-	Vertical view	-	✓	Dual element	see page 46	-
	-	✓	✓	-	-	-	-	Wireless	18kg/40lb	-	Dual element	see page 39	✓
	✓	✓	✓	✓	✓	✓	-	Wireless	40kg/90lb	-	2 Dual elements	m:11 x 11 ft: 35 x 35 90°	-
	✓	✓	✓	✓	✓	✓	-	Wireless Outdoor	40kg/90lb	✓	2 Dual elements	See page 48	✓

Control Panel Comparison Chart

Products	Features												
	Total # of zones	On-board hardwired zones	Keypad zones	Virtual zones	Partitions (areas)	Users	Buffered events	On-board PGMs	Expansion Modules	Wireless Expansion	In-Field Upgradeable	Built-in Access Control	Software
ESPRIT™ E55	32	4 (8 with ATZ)	15	-	2	32	256	1	15	-	✓	-	WinLoad
ESPRIT™ 728ULT	10	4 (8 with ATZ)	2	-	2	49	256	1	-	8 remotes	-	-	Esplod
ESPRIT™ 738ULT	18	8 (16 with ATZ)	2	-	2	49	256	3	-	8 remotes	-	-	Esplod
MAGELLAN™ MG6130 MG6160	32	2	-	-	-	16	256	2	-	16 PGMs 4 keypads 2 repeaters	✓	-	WinLoad
MAGELLAN™ MG5000	32	2 (4 with ATZ)	15	-	2	32	256	2 expandable to 16	15	16 PGMs 8 keypads 2 repeaters	✓	-	WinLoad
MAGELLAN™ MG5050	32	5 (10 with ATZ)	15	-	2	32	256	4 expandable to 16	15	16 PGMs 8 keypads 2 repeaters	✓	-	WinLoad
SPECTRA™ SP5500	32	5 (10 with ATZ)	15	-	2	32	256	2 expandable to 16	15	32 zones 32 remotes 16 PGMs 8 keypads 2 repeaters	✓	-	WinLoad
SPECTRA™ SP6000	32	8 (16 with ATZ)	15	-	2	32	256	2+2 expandable to 16	15	32 zones 32 remotes 16 PGMs 8 keypads 2 repeaters	✓	-	WinLoad
SPECTRA™ SP7000	32	16 (32 with ATZ)	15	-	2	32	256	4 expandable to 16	15	32 zones 32 remotes 16 PGMs 8 keypads 2 repeaters	✓	-	WinLoad
SPECTRA™ 1727	6	5	1	-	-	8	-	3	-	-	-	-	-
DIGIPLEX EVO EVO48	48	8 (16 with ATZ)	48	8	4	96	1024	2 expandable to 250	127	48 zones 96 remotes 8 PGMs per MG-RTX3	✓	✓	NEware WinLoad
DIGIPLEX EVO EVO192	192	8 (16 with ATZ)	192	32	8	999	2048	5 expandable to 250	254	192 zones 999 remotes 8 PGMs per MG-RTX3	✓	✓	NEware WinLoad

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For the latest information on product approvals, such as UL and CE, please visit our website at paradox.com.

One or more of the following US patents may apply: 7046142, 6215399, 6111256, 6104319, 5920259, 5886632, 5721542, 5287111, 5119069, 5077549 and RE39406 and other pending patents may apply. Canadian and international patents may also apply.

Esprit E55, Esprit, 728 Ultra, 738 Ultra, Esplod, Spectra, Spectra SP, WinLoad, Digiplex, Digiplex EVO, NEware, Grafica, Elegance, Digigard, Digital Vision, ProPlus, ProPET, Paradoor, Paradome, GlassTrek and Magellan are trademarks or registered trademarks of Paradox Security Systems Ltd. or its affiliates in Canada, the United States and/or other countries. All rights reserved.

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INTERNET MODULE



The Internet Module (IP100) is an IP-based web solution that provides an internet communication link to control and monitor your security system remotely through any web browser. This provides the freedom to access your system from anywhere in the world.



IP100

- Control and monitor an E55, MG5000, MG5050, Spectra SP or Digiplex EVO control panel through an IP network (LAN/WAN/Internet)
- Use NEware or 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 IP Exploring Tools through the Internet
- Very low bandwidth consumption
- Data sent and received using 128-bit or 256-bit encryption
- DNS service available for dynamic IP addresses