
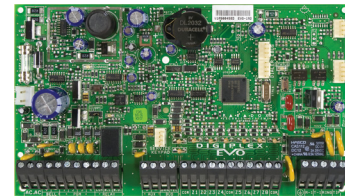


## Digiplex EVO High Security and Access Systems

### Control Panels

#### EVO192 | Digiplex EVO 192-Zone Control Panel

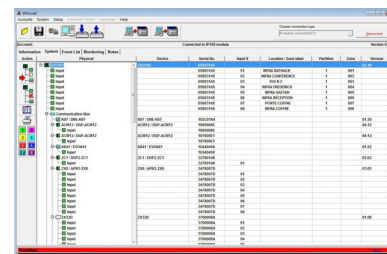
-  **Update:** EVO48 is now integrated into the EVO192
- 8 on-board zones (16 w/zone doubling), expandable to 192
- Built-in access control features
- Supports reporting (PCS series), IP (IP100), and voice modules (VDMP3); see page 11
- In-field firmware upgradable via 307USB
- Compatible with NEware V4.0 or higher
- *Automatic Daylight Savings Time* feature
- Supports EOL and ATZ options per zone input and tamper options per zone
- 4 on-board solid-state PGMs, negative or positive triggering / 1 on-board 5A relay output
- PGM1 can be used as a 2-wire smoke input
- Supports up to 254 expansion bus modules
- 999 user codes and up to 999 remote controls, with 1 RTX3
- 8 partitions and 2,048 events buffered
- Built-in real-time clock backup battery
- 1.7A switching power supply
- 1 supervised bell output, auxiliary output, and telephone line
- Patented 2-optocoupler dialer circuit – the most reliable dialer in the industry
- Push-button software reset (reset to default values and restart)
- Push-button to activate or deactivate the auxiliary output
- Fits in a 28 x 28 x 7.6 cm (11 x 11 x 3 in.) metal box



### Software

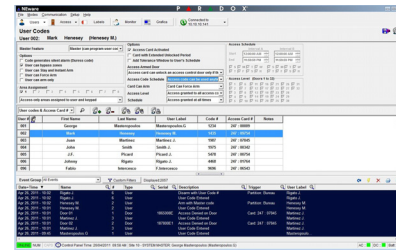
#### WinLoad | Installer Upload/Download Software

- Connect to WinLoad via GPRS at rates of up to 48 Kbit/s, with a PCS series module (see page 12)
- Supports TCP/IP connections through the IP100 (see page 13)
- User-friendly programming/monitoring of EVO, Spectra SP, and Magellan series
- Remote uploading and downloading via 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 (Spectra SP, MG5000, and MG5050), using a 307USB Direct Connect Interface (60 m/200 ft.) or a CV4USB RS-485/RS-232 Converter Kit (300 m/1000 ft.)
- In-field upgrading feature that allows WinLoad to upgrade 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 several languages simultaneously (available in English, Spanish, Chinese, Czech, French, Hebrew, Hungarian, Italian, Polish, Portuguese, Russian, Serbo-Croatian, Slovak, Swedish, and Turkish)



## NEware | End-user Management Software

- Supports TCP/IP connections through the IP100 (see page 13)
- Program access codes and settings of users in an EVO192 system
- Live system monitoring (view system and zone status and troubles) without interrupting central station communication or system operation
- Draw and download/upload up to 32 floor plans for Grafica (see page 8)
- Download floor plans, tunes, graphics, and screen savers into Grafica
- Arm/disarm, bypass zones, and control PGMs
- Search, sort, and filter saved system events; generate and print customized reports
- On-site uploading and downloading at 38.4K baud (EVO), using a 307USB (60 m/200 ft.) or CV4USB (300 m/1000 ft.)
- Supports several languages simultaneously
- 3 editions available: Demo; Security; Security and Access Control



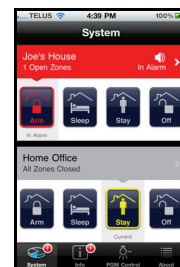
## iParadox | Alarm System Control App (Full and Lite Versions)


### Full version

- Access your Paradox security system from an Apple device, via Wi-Fi or 3G
- Compatible with iPhone, iPod Touch, and iPad 3G
- Displays live system status, alarm memory, and system troubles
- Arm and disarm your system
- Controls up to 16 PGMs, customizable PGM labels
- PGM activation/deactivation (shows the last PGM action performed from iParadox, not current PGM state)
- Connects with static or dynamic IP (ParadoxMyHome)
- **Compatibility with EVO available Q4 2011**
- Compatible with Spectra SP, MG5000, and MG5050 (requires IP100, version 5.03 or higher),
- Both Lite and Full versions available for download from the App Store

### Lite version

- Free preview version of the iParadox app
- Compatible with iPhone, iPod Touch, and iPad 3G
- Connects to a live system and displays its status (open zones, partition status)
- Displays list of PGMs and their labels, and allows editing of visible labels
- Same compatibility as Full version



<p><b>InField   Firmware Upgrade Software</b></p>		<ul style="list-style-type: none"> <li>• Upgrade tool for all Paradox firmware</li> <li>• See page 2 for full description</li> </ul>
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## Keypads

### Features Common to All Digiplex Keypads

- Zone alarm display: the zones in alarm are shown until the system is disarmed
- Connects to 4-wire combus
- Assign to 1 or more partitions, 1 addressable zone
- 1 PGM output (except for the TM40, TM4, and K07C)
- Independently-set chime zones
- 14 one-touch action buttons (except for the TM40, TM4, and K07C)
- 3 keypad-activated panic alarms

<p><b>K07C   32-Partition Grafica Color LCD Keypad</b></p>		<p>See page 8 for full description</p>
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## TM40 | Touch Interface Module

- Thin, sleek design
- Intuitive, icon-based interface via touchscreen, with quick menu-driven prompts
- 4.3-inch (10.9 cm) brilliant and vivid widescreen color display
- Compatible with EVO (V2.16 or higher), MG5000/MG5050, SP5500/SP6000/SP7000 (version 4.72 or higher), and SP4000/SP65 (version 4.90 or higher)
- Optional: supports up to 32 floor plans (EVO), or 8 floor plans (MG/SP)
- Optional: supports Annunciator mode (available Q4 2011)
- Customizable labels: zones, areas, users, and PGM outputs
- Controls up to 8 PGM outputs
- Supports WinLoad, not NEware
- External micro SD card slot for firmware upgrades and uploading photos etc.
- Built-in indoor temperature sensor
- 1 zone/temperature input to connect a detection device or exterior temperature sensor (TEMP07)
- Available in multiple languages
- Clean screen mode: locks screen for easy cleaning
- Display: 5.4 x 9.5 cm (2.1 x 2.7 in.) with a resolution of 480 x 272 pixels
- Surface-mount installation only; dimensions: 12.4 x 8.1 x 1.6 cm (4.9 x 3.2 x 0.7 in.)
- Available in 3 finishes: brushed aluminum, brushed black anodized, and brushed white anodized



Home screen for EVO shown on White Anodized TM40



Annunciator mode shown on Silver Anodized TM40



Floor Plan screen shown on Black Anodized TM40

## K656 | Touch Sense LCD Keypad

- Touch sense keypad interface
- Connects to Multibus: 4-wire encrypted, 13.8 Vdc communication bus
- Firmware upgradable via Multibus using RS-485 at 57.6 Kbps
- Displays the status of up to 4 partitions and 384 zones
- Zone alarm display: the zones in alarm are shown until the system is disarmed
- 3 keypad-activated panic alarms
- Adjustable backlight, contrast, and scroll speed
- Dimensions: 15 x 8.5 x 2 cm (5.9 x 3.3 x 0.8 in.)



## K641 | 32-Character Blue LCD Keypad

- In-field firmware upgradable via CV4USB
- Simplified end-user remote control programming
- 32-character blue LCD with programmable labels (via memory key, WinLoad, NEware, and module broadcast feature)
- See Paradox.com for all available languages
- Adjustable backlight, contrast, and scroll speed
- Display time using the 12 or 24 hr. format
- See *Features Common to All Digiplex Keypads*



### K641LX | 32-Character Blue LCD Keypad with Built-in Transceiver

Same features as the K641, along with the following:

- Built-in transceiver (433 or 868 MHz)
- Wireless range in a typical residential environment: 40 m (130 ft.)



### K641R | 32-Character Blue LCD Keypad with Integrated Card Reader

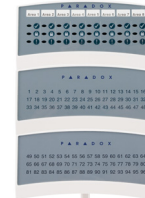
Same features as the K641, along with the following:

- Built-in card reader; simply present access card directly to the keypad
- Grant access via card and/or access code
- Arm and disarm with card
- Door contact and request for exit inputs
- Doorlock output
- Programmable automatic unlocking schedule
- *Door Left Open* and *Door Forced Open* alarms






### ANC1 | Annunciator Module

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



## Motion Detector Modules

<b>DMI50   Dual-element Motion Detector Bus Module</b>		See page 9 for full description
<b>DMI60   Quad-element Motion Detector Bus Module</b>		See page 9 for full description
<b>DMI70   Dual-optic PIR Bus Module (Pet Immunity)</b>		See page 10 for full description

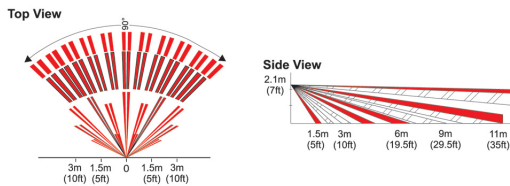
### Features Common to All Digiplx Motion Detector Modules

- 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 Digiplx EVO 4-wire bus directly
- Metal shield maximizes protection from EMI and RFI signals\*

\*Except DG467

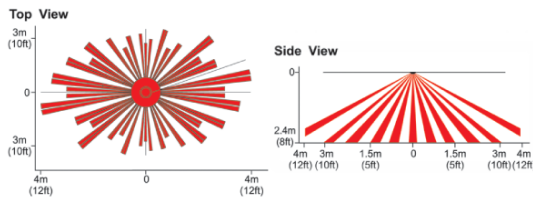
## DG85 | Outdoor Dual-optic High-performance PIR Module

- Special weatherproof design
- Available with 1 of 3 lenses (see page 48 for more details): Pet Array, Horizontal Curtain Beam, or Vertical Curtain Beam lens
- Impact and temperature resistant casing, with UV protected lens
- Operates at -35°C to +50°C (-31°F to +122°F)
- Casing lined with an injected rubber gasket
- Dual-optical Filtering System and Digital Dual-opposed Detection
- Multi-level sensitivity adjustment
- 2 operational modes (addressable for EVO or conventional relay)
- Compatible with the Heavy-duty Outdoor Swivel Bracket (SB85; see page 47)
- 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 40 kg (90 lb.)
- 11 x 11 m (35 x 35 ft.), with 90° viewing angle
- See *Features Common to All Digiplex Motion Detector Modules*



## DG467 | 360° Ceiling-mount Motion Detector Module

- Digital Motion Detection
- Dual-element sensor
- 7 x 6 m (24 x 20 ft.) at 2.4 m (8 ft.); 11 x 6 m (35 x 20 ft.) at 3.7 m (12 ft.)
- 360° viewing angle
- Solid-state relay and anti-tamper switch
- 2 operational modes (addressable for the EVO series or conventional relay operation)
- See *Features Common to All Digiplex Motion Detector Modules* on page 17

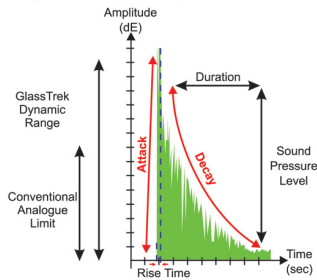


## DG457 | Digital Glassbreak Bus Detector




- 2 operational modes (addressable for 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
- Sensitivity adjustment: covers up to 9 m (30 ft.) when set to high and up to 4.5 m (15 ft.) 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 and Door Contact Modules

<b>ZX32D   2-Amp Bus Power Supply</b>		See page 6 for full description
<b>ZX16D   16-Zone / Input Expansion Module</b>		See page 6 for full description
<b>ZX8D   8-Zone / Input Expansion Module</b>		See page 6 for full description

## ZC1 | Door Contact Module

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



## 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 min.) – 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 min.) – ideal for temperature monitoring applications
- Use zone input as an anti-tamper switch input






## ZX8 | 8-Zone Expansion Module

- Compatible with EVO, Spectra SP, MG5000, and MG5050
- 8 addressable zones (16 with ATZ zone doubling feature)
- Set a different input speed for each zone (up to 255 min.) – ideal for temperature monitoring applications
- 1 PGM output
- Use zone input as an anti-tamper switch input



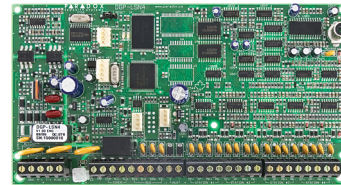
## Wireless Expansion Module

<b>RTX3   Wireless Expansion Module</b>		See page 6 for full description
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## 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 upgradable via 307USB
- 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 7.6 cm (3.0 in.), 3W, 8W speaker
- Built-in high-sensitivity microphone
- Page button (communicate with monitoring station 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

<b>R910   4-Wire Epoxy-sealed Indoor/Outdoor Proximity Reader</b>		See page 4 for full description
<b>R915   4-Wire Sealed Indoor/Outdoor Proximity Reader and Keypad</b>		See page 4 for full description

**R870-A | Indoor Proximity Reader**

- Indoor installation only
- For single gang box use
- Screw terminals
- 2 status LEDs (red and green) and beeper
- Supports 26-bit Wiegand output format
- Dimensions: 11 x 7.3 x 2 cm (2.8 x 4.5 x 0.8 in.)
- Operating temperature: +10°C to +65°C (+50°F to +149°F)

**R890-BL | Indoor/Outdoor Extended Range Proximity Reader**

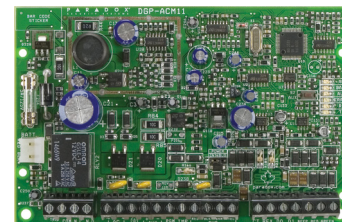
- Extreme weather-resistant design (epoxy sealed)
- Up to 61 cm (24 in.) read range with C702 access card
- Automatic read-range calibration
- Supports the 26-bit Wiegand output format
- Tricolor LED display
- Elegant face light

**Proximity Cards**

- **C702:** Clamshell Card
- **C706:** Two-sided, High-gloss ISO Card
- **C704/S:** Blue Proximity Key Tag
- **RAC1:** Magellan Remote Control with Integrated Access Card
- **RAC2:** Magellan Two-way Remote Control with Integrated Access Card

**ACM12 | 4-Wire Access Control Module**

- With the R915, access granted via card and/or panel's user access code
- With the R915, arm with card and pin
- Connections for 1 door (card reader, REX, door contact, and lock output)
- When using R910 or R915, requires only 4 wires between reader and ACM12
- Infield firmware upgradable via CV4USB
- 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 20 x 25.5 x 7.6 cm (8 x 10 x 3 in.) metal box

**Power and Hub Modules****PS17 | Power Supply Module**

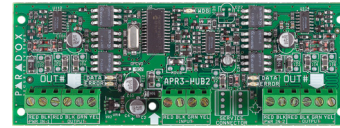
- 1.7A switching power supply
- Fully supervised (AC, battery, low battery, and auxiliary limit)
- Selectable battery charge current (350 or 850 mA)
- 1 PGM output
- Includes 20 x 25.5 x 7.6 cm (8 x 10 x 3 in.) metal box





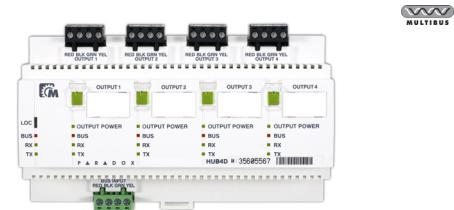
## HUB2 | 2-Port Hub and Bus Isolator

- Divides the communication bus into multiple, completely isolated outputs
- 1 input port, 2 isolated output ports
- Each output port provides communication at a distance of up to 900 m (3000 ft.)
- Compatible with EVO, Spectra SP, MG5000, and MG5050



## HUB4D | 4-Port Hub and Bus Isolator Module

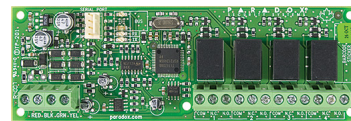
- Divides the bus into 4 completely isolated outputs
- 1 input port, 4 isolated output ports
- Each output port provides communication at a distance of up to 900 m (3000 ft.)
- Opto-isolated ports provide protection from high-voltage spikes – ideal for exterior lines
- In-field firmware upgradable
- DIN rail enclosure with removable terminals
- Supports 35 mm DIN rail 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



## Special Modules

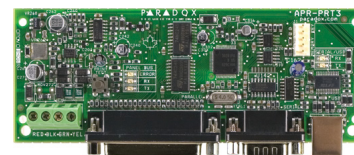
### PGM4 | 4-Output Expansion Module

- Compatible with Digiplex EVO, Spectra SP, MG5000, and MG5050
- In-field firmware upgradable via a CV4USB or 307USB and the InField Firmware Upgrade Software
- 4 programmable, 5A relay outputs
- Deactivates PGM after event or timer
- Pulse PGM output for fire alarms



### PRT3 | Integration Module

- In-field firmware upgradable via a CV4USB and the InField Firmware Upgrade Software
- 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, based on an event received from the EVO control panel, using ASCII or C-BUS protocol
- USB port for PC connections
- Provides an interface between an EVO control panel and a third-party peripheral system
- Automatically/manually prints reports of zone/system events via printer or PC
- Parallel and serial port for printer connections
- Assign to 1 or more partitions
- 2,048 event buffer
- Available in multiple languages



## System Accessories

### PMC5 | USB Memory Key

- Used to download or upload system programming to or from a PC, with WinLoad or BabyWare
- Lock-switch to prevent accidental loss of data
- LED status indicator
- Download or upload control panel/console programming within seconds
- Connects 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 a maximum distance of 60 m (200 ft.)
- Connects between panel's serial port connector to a PC's serial port (DB-9) or USB port
- 57.6K baud communication (Magellan console), 38.4K baud communication (EVO), or 9.6K baud communication (Spectra SP, MG5000, and MG5050)



### 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 a distance of up to 300 m (1000 ft.)
- Connects 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)



### TEMP07 | Temperature Sensor

- Connects to Grafica/TM4/TM40's zone/temperature input to measure the exterior temperature
- Maximum distance: 30.5 m (100 ft.)

