

TM50 (5") / TM70 (7")

Touch Screen Keypads



TM50 / TM70

The TM50 / TM70 are touch screen input keypads designed to communicate with Paradox control panels, and offer user friendly interface. Both offer vivid colors and two sizes to select, 7" – TM70 or 5" – TM50.

The TM70 due to its larger screen allows for more information to be displayed on one screen and is more convenient in comparison to the TM50.

Both touch screen displays are compatible with Spectra, Magellan and EVO Paradox systems, and both support Paradox next generation Swan panels with RS-485 fast encrypted bus, and features like complete menu programming, remote keypad firmware upgrade and screen saver images download from the Insite GOLD application.

The TM70 / TM50 have screen savers with auto mode, adjustable brightness with auto dim mode and full dark sleep mode, indoor temperature display, bus voltage monitoring and easy multi-partition control.

The TM70 LCD color display resolution is 800 x 400 pixels while the TM50 resolution is 472 x 272 pixels. Both come with an external SD media card (4 GB), 2 GB free space for uploading jpegs for screen savers.

The TM70 is offered in white and the TM50 in white or black colors, other colors may be custom ordered.

Features

- ▶ 7" (TM70) / 5" (TM50) with vivid color display
- ▶ Compatible with Swan, EVO, Spectra and Magellan
- ▶ Built-in zone input
- ▶ Customizable labels (zones, partitions, users, doors and PGMs)
- ▶ External SD Media Card slot (4 GB with 2 GB of free space) for uploading photos; acts like a digital picture frame
- ▶ Firmware upgradable via SD card
- ▶ Indoor temperature reading
- ▶ In-wall bracket (optional)



TM70 installed with in-wall optional bracket

Technical Specifications

	TM70	TM50
Power Input	9 to 15 VDC	
Consumption	250 mA at max brightness + 80 mA sounder	150 mA at max brightness, +80 mA sounder
Wire Connection	18 Gauge	22 Gauge, 18 Gauge recommended
Display	7" 800 x 480	5" 480 x 272
Dimensions	17.7 x 11.4 x 1.5 cm (7 x 4.5 x 0.6 in.)	14.2 x 9.5 x 1.4 cm (5.6 x 3.75 x 0.56 in.)
Humidity	5-90%	
Indoor Temperature	Yes	
SD Card	4 GB; 2 GB free	
Input	Zone, configurable	
Tamper	Built-in, cover and wall	
Compatibility	Swan, EVO, Spectra, Magellan	
Remote Upgrade	Swan only	
Jpeg Download	Swan via Bus, EVO/Spectra SD Card	
Auto Dim	Yes	
Chime	Yes	



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SECURITY...

Experience a new way of living with the patent-pending StayD feature offered in the MG5000 and MG5050 wireless security systems. The revolutionary StayD feature represents a completely reversed philosophy that resolves all issues with any security system 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. Go with simpler and safer living.

STAY D™



Away from home:

When you leave your home, maximize your security with a push of a button. Each of up to 32 points of detection, like your front door, windows, balcony and motion detection devices, will immediately alert you in the case of an unrecognized breach. This invisible barrier not only provides you with complete security, but with the peace of mind that your family, your home and your belongings are safe.



Security while you sleep:

Now your main floor can be completely protected while you sleep in full security upstairs. Your front and back doors, windows, balconies and any other points of detection that you choose can be on full alert while your family is free to roam the upper level of your home without setting off an alarm. When you're ready to come downstairs, remove the arming mode with a touch of a button.



Home alone:

Give yourself peace of mind knowing that you are safe, even when you are home alone. Whether you're upstairs relaxing in a bath or downstairs playing with the children, you can't always hear what's happening on the main floor. With Magellan you can secure your perimeter points of detection and keep your living space unarmed.


MADE SIMPLE.

Twice the security:

Magellan can secure two separate areas with one single system. This means your home can be disarmed while your garage is armed 24hrs a day. Secure your shed, your trailer or an upper apartment unit to double up on your security. Ensure that your pool, your home office, your safe room or your wine cellar can only be accessed by you or someone you choose or that an area automatically arms at the same time every day.



Check your security status with your remote:

With one-touch, remote control convenience, managing your security system has never been simpler. Disarm your system with one button, arm it with another or send a panic signal to your monitoring station. For those times when you get into your car and just can't remember if you armed your system, simply push the info button  on your remote: if the light is red, your system is armed, if it's green, your system is disarmed. Your system status can also be communicated by an audible tone.

Wireless Communications

Go cellular. Your system can send you a text message (SMS) or a pre-recorded voice message on up to 5 telephone numbers to notify you of system events, such as arming/disarming, alarms and troubles. You can also remotely control your system (e.g. arm/disarm) from any phone by sending a text message (SMS) or by using a voice-guided menu.



Internet Access

Go high-tech and receive notifications by e-mail. For example, get a message as soon as your kids get home from school. Also, arm/disarm and monitor your security system through a web browser from anywhere in the world.

Wireless security:

With Magellan you can provide your home with maximum security without the hassle of tearing holes in your wall, running wires or paying for expensive installations. The convenience of a wireless security system also means your system can always move with you, so you can secure your apartment or condo even if you plan on buying something else later.

Avoiding false alarms:

Most false alarms result from errors that occur from security system owners using over-complicated keypads. The keypads that accompany your Magellan system have been designed with this major obstacle in mind, and as a result, provide you with guidance and one-touch button ease of use.



App-based System Control:

The Insite GOLD app enables you to remotely access your Paradox security system and view your system cameras. Insite GOLD provides lots of functionality and information at one's fingertip. It has an intuitive user-interface which enables you to easily connect to your security system and edit settings. Now you can control your Paradox security system from any Android / iOS smartphone.



TM50 / TM70

Intuitive
Touchscreens



K37 / K35

32-Zone Wireless /
Hardwired Fixed LCD
Keypad Module



K32+

32-Zone Hardwired LED
Keypad Module



K10H / K10V

10-Zone Hardwired LED
Keypad Module



K636

10-Zone Hardwired LED
Keypad Module

Overview:

- Secure up to 32 points of detection
- Control your security system with remote control convenience and one-touch button ease
- Protect two separate areas with one single system
- A full range of wireless transmitters, including remote controls, motion detectors, door contacts and smoke detectors are available
- MG5000 : 2 on-board zones and 2 on-board PGMs
MG5050 : 5 on-board zones and 4 on-board PGMs
- Multipath Communication: Monitor your system's status, receive notification of system events, control your system (arm/disarm, open a garage door, etc.) and report system events to the monitoring station using one or more of the following communication methods.
 - Internet and email (optional IP150)
 - GPRS, GSM, and SMS text messages (optional PCS Series Module)
 - Voice (optional VDMP3)
 - Landline telephone

PCS250/250G/260/265

4G/3G/2G/GSM Communicator Modules



Control from your palm
Android/iOS



PCS250/250G

PCS260/265

Description

Paradox Security Systems offers several cellular solutions providing connectivity via mobile devices (including the Insite GOLD mobile application), reporting to central monitoring station, sending SMS and personal voice dialing. The PCS260/265 delivers 4G/3G/2G data communications or GSM voice reporting solutions, while the PCS250/G provides 2G data speed and/or GSM voice reporting. Paradox cellular modules provide reliable reporting and two-way communication between Paradox control panels, mobile application and CMS, as well as remote site firmware upgrades.

Mobile Connectivity – Insite GOLD and PMH



The PCS modules provide a reliable connection from mobile devices, thanks to the Paradox My Home (PMH) servers, to Paradox systems using the Insite GOLD application. Insite GOLD allows monitoring and control of Security, Access, and Automation via mobile devices – Android or iOS. Menus are easy, simple and user friendly.

Easy Installation

Paradox cellular modules provide easy installation and solutions. Optional antenna cable extensions are available to help improve reception, when required. The PCS265 provides an easy and secured remote installation connected via RS485 bus up to 100m (300 ft) from the panel, and a lithium backup battery provides sufficient power to communicate on the cellular network when connected up to 100m from the panel. As well, it will signal supervision loss to the monitoring station when the wire is cut or disconnected from the panel. The battery allows connection with 18 gauge or even smaller wires far from the panel, eliminating the need for external power supply. On the panel side, a serial to RS485 converter (CVT485) should be used.

Features

- ▶ 4G (3.75G)/3G/2G speed data and auto connect if 4G not available (PCS260/265)
- ▶ 2G speed data 3G/2G (PCS250/G)
- ▶ Communicate with Paradox IPR512 or IPRS-7 receivers
- ▶ PMH auto connection for Insite GOLD mobile application use
- ▶ Two SIM card support for provider redundancy
- ▶ Control panel communication supervision
- ▶ Arm or disarm the system via text message (SMS)
- ▶ 4-wire installation
- ▶ Dual tamper switch (wall and cover removal)
- ▶ Encrypted communication (128-bit AES)

Battery Backup and RS485 PCS265:

- ▶ Li-ion battery (included) allows operation when panel power is lost for backup reporting
- ▶ RS485 connection to panel (one CVT485 included), allows 100m/300 ft with battery charge
- ▶ Will report panel loss in case of cut wires or loss of power

Voice Reporting (PCS250 GSM only):

- ▶ Reports alarms by sending pre-recorded voice messages to up to eight telephone numbers using the GSM mode of the optional Paradox Plug-in Voice Module (VDMP3)



Optional Accessories

▶ Antenna Extensions

The PCS modules are equipped with an on-board antenna allowing them to be installed separately from the panel. To increase RF reception, an optional external antenna can be installed with an extension cable. Extension cables available: 2m (6 ft), 4m (12 ft), 7m (24 ft), 15m (48 ft), or 18m (60 ft).



▶ CVT485 Module

A CVT485 Plug-in RS485 Converter can be used with the PCS265 and PCS250 (GSM mode only) allowing connection of these modules up to 300m (1000 ft) from the control panel.



▶ Battery

The PCS265 offers a 3.7V Li-ion battery that provides 1 hour online communication on the cellular network when fully charged.



▶ Plug-In Voice Module (VDMP3) PCS250 – GSM only)

The VDMP3 is used to arm and disarm your Paradox system. The VDMP3 can also send pre-recorded voice messages for up to eight phone numbers to report alarms via the GSM cellular phone network. The VDMP3 module is mounted directly onto the PCS250 module, and then uses the GSM cellular phone network to deliver voice messages and react to commands.



Technical Specifications

	PCS260/265	PCS250/250G
Worldwide Model	PCS260E, PCS265E: UMTS/HSDPA 900/2100 Mhz, GSM/GPRS/Edge 850/900/1800/1900 Mhz	PCS250, PCS250-G01, PCS250-G03: GSM/GPRS 850/900/1800/1900 MHz
Americas Model	PCS260A, PCS265A: HSDPA/WCDMA 850/1900Mhz	PCS250, PCS250-G01, PCS250-G03: GSM/GPRS 850/900/1800/1900 MHz
Voltage Input	13.8V	13.8V
Current Consumption during GPRS/GSM transmission	60 mA standby 300 mA transmit	100 mA standby 400 mA transmit
Encryption	128-bit (AES)	128-bit
Humidity	5-90%	5-90%
Operating Temperature	-20 to 50 °C (-4 to 122 °F)	-20 to 50 °C (-4 to 122 °F)
Dimensions / Weight	20.8 x 7.5 x 2 cm (8.2 x 2.9 x 0.8 in.)	17.2 x 9.7 x 4.4 cm (6.8 x 3.8 x 1.7 in.)
Certification	CE, EN50136-1; EN50136-2 SP5, EN50131-10 Grade 3 Class II Type X, FCC, PTCRB	CE, EN50136 ATS 5 Grade 3 Class II

REM25 & REM15

Wireless Remote Controls



REM25

The REM25 is a two-way wireless remote control that allows you to safely arm and disarm your Paradox security system and receive instant notification on your actions. It also allows you to verify the status of your system from a distance.

The REM25 wireless remote offers convenient fingertip control. With its two-way communication capabilities, the REM25 can initiate communication requests directly to your Paradox security system and receive acknowledgment confirmation for your request on the current status of your system. You can rest assured that your system is armed/disarmed and you can even view the status – remotely. With the press of a single button, the REM25 allows you to check the status, arm/disarm, and activate programmable outputs like lights, garage doors, and more. The REM25 offers secured encrypted disarm, meaning it cannot be copied by potential intruders.

With the REM25 you get visual and audio feedback regarding the result of your request (successful or failed action) and its comfortable keys makes operation effortless. It also contains a long-life lithium battery that is easy to replace and should last for years with normal operation use.

The REM25 also delivers system status when momentarily pressing the information (i) button. In return, the REM25 will initiate communication with your Paradox system and will provide you the status - Armed (red), Disarmed (green) Alarm or Alarm in Memory (flashing red).

The REM25 also offers a stylish, water-resistant design in two different colors: black and white and is available in a 433 MHz or 868 MHz version.

REM15

The REM15 wireless remote control is a one-way device that can transmit your actions to your Paradox security system. It provides the same functionality as the REM25 but without the convenience of feedback status and confirmation features.

Features

- ▶ Performs six (REM25) and five (REM15) different actions such as arming and disarming your system, enabling and disabling PGMs and providing system status
- ▶ Secured encrypted disarm function
- ▶ Action instant confirmation (REM25 only)
- ▶ System status display (REM25 only)
- ▶ Provides system status memory (REM25 only)
- ▶ Displays system status using visual (LED) and audible feedback (REM25 only)
- ▶ Supports StayD
- ▶ Available in 433 MHz or 868 MHz
- ▶ Water resistant
- ▶ Easily replaceable long-life lithium battery that lasts for years with normal operation use
- ▶ REM25 available colors: black and white
- ▶ REM15 available colors: black and white
- ▶ CE, EN 50131 approved

REM25 & REM15 Overview

REM25



REM15



Overview

▶ LED and Audio Functionality

The REM25 performs up to six different functions (REM15 up to five) that allow you to conveniently control your system at a distance. With the REM25, when an action is performed you will receive LED feedback and audible feedback results, thus making the operation of your system easy and effortless.

▶ Water Resistant

The REM25 and REM15 provide a water-resistant casing ensuring the remotes are protected against accidental splashes or rain.

▶ Easily Replaceable Battery

Both remotes have an easily removable and replaceable battery. Simply unscrew the back cover and replace with a new 3V lithium battery (CR2032).

Compatibility

For latest product compatibility visit paradox.com.

Technical Specifications

Specifications	Description
RF Frequency	433 or 868 MHz
Battery Type	1 x 3V lithium battery (CR2032)
Wireless Range for Typical Residential Environment	30m (100 ft) to 50m (164 ft) - line of sight (depending on receiver type)
Humidity	5 to 90%
Operating Temperature	-10 to 55 °C
Dimensions / Weight	REM25: 3.9 x 7.2 x 1.2 cm (1.5 x 2.8 x 0.5 in.) REM15: 3.9 X 6.6 X 1.1 cm (1.5 X 2.6 X 0.4 in.)
Certification	REM25: CE and C-Tick REM15: CE and EN 50131