



## 32-Zone Wireless Keypads

### K32IRF V1.1 / K32RF V2.0 Installation Guide

The K32IRF (32-Zone Wireless Fixed LCD Keypad) and K32RF (32-Zone Wireless LED Keypad) keypads provide the same functionality as standard hardwired keypads, including system programming.

Unlike conventional wireless keypads which must be manually updated with new event information, the K32IRF displays new events live, as they happen.

Compatibility		
<b>K32IRF</b>	MG5000 / MG5050 V3.2	Spectra SP V3.2 (requires MG-RTX3 V1.4)
<b>K32RF</b>	MG5000 / MG5050 V1.3	Spectra SP V2.0 (requires MG-RTX3 V1.1)

#### Step 1: Powering the Keypad

##### A. Installing the Batteries

###### K32IRF:

The K32IRF comes with its primary power source (two AA batteries) already installed. To power the keypad, with the backplate removed, open the battery compartment and remove the plastic tab. **IMPORTANT:** Do not use rechargeable batteries to power the K32IRF.

###### K32RF:

With the backplate removed, install the 3.7VDC Li-ion rechargeable backup battery (included). Please note that this can be replaced by a standard 3.7Vdc cell phone type battery. The backup battery is for backup purposes only and is not the keypad's primary power source.

##### B. Connecting the DC Source (optional for K32IRF)

When connecting the DC source, use the PA6 6VDC Power Adapter Plug only. Do not use a 16VAC transformer.

Available PA6 plug types:

- ACP-EU (Europe)
- ACP-UL (North America)
- ACP-CH (China)
- ACP-UK (United-Kingdom)
- ACP-AUS (Australia)

##### C. Battery Charging Indicator (K32RF only)

The [⏻] key of the K32RF will light up to indicate that the backup battery is charging only after DC restoration.

#### Step 2: Assigning the Keypad

##### Automatic Assignment

After panel power-up, the control panel will open a 10 minute window for Automatic Assignment. Press and hold the [⏻] and [BYP] key for three seconds. For the K32IRF, the Tx icon will flash. For the K32RF, the Rx/TX and AC LED will flash. The keypad is assigned to the control panel. Up to 8 wireless keypads can be assigned within the ten-minute window.

##### Compatibility Check (K32IRF only)

If the K32IRF keypad is not compatible with the current panel version, the following Trouble will be displayed :  
[TROUBLE : flash] [17 : on] If this occurs, update your MG/SP panel to version 3.2.

##### Standard Assignment

Press [ENTER]. Enter your [INSTALLER CODE] or [MAINTENANCE CODE].

Go to sections [571] to [578] to assign keypads 1 to 8, respectively.

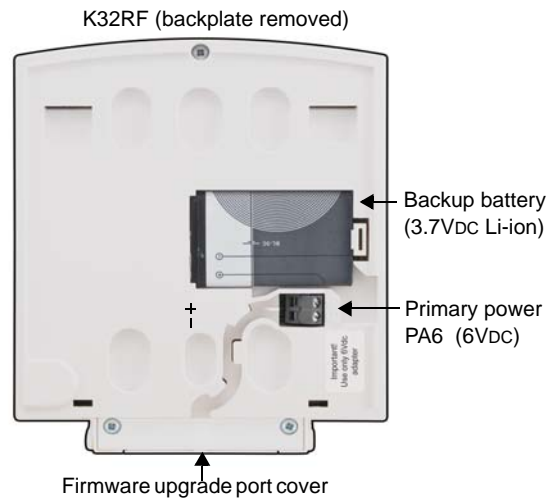
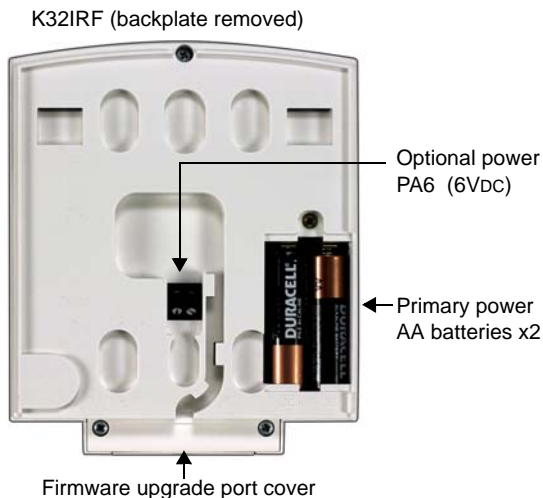
Press and hold the [⏻] and [BYP] key for three seconds on the respective keypad. The keypad is assigned to the control panel. Alternatively, enter the serial number of the K32IRF/ K32RF into one of the eight sections to assign it to the panel.

##### Removing the Backplate

To remove the K32IRF's backplate, insert a screwdriver and push down in the direction of the arrow.



To remove the keypad when wall-mounted, slide the keypad upwards.



## Upgrading Keypad Firmware

To upgrade the keypad, remove the firmware upgrade port cover and connect the 307USB Direct Connect Interface to the upgrade port. For connection and upgrade instructions, go to [paradox.com](http://paradox.com). ([paradox.com](http://paradox.com) > Software > WinLoad > Firmware Upgrade Instructions)

## Wireless Keypad Signal Strength

To view the wireless keypad signal strength, see sections [591] to [598]:

[591]	Keypad 1	[593]	Keypad 3	[595]	Keypad 5	[597]	Keypad 7
[592]	Keypad 2	[594]	Keypad 4	[596]	Keypad 6	[598]	Keypad 8

RSSI - Receiver Signal Strength Indicator (1 = weak signal, 10 = strong signal)	
Signal Strength	Keypad Audible Indicator
1 to 4 ( <i>relocate wireless keypad</i> )	1 beep
5 to 7	2 beeps
8 to 10	3 beeps

## Wireless Keypad Options

To toggle wireless keypad supervision options, see section [588]:

Option		OFF	ON (default)	Option		OFF	ON (default)
[1]	Keypad 1 Supervision	<input type="checkbox"/> Disabled	<input type="checkbox"/> Enabled	[5]	Keypad 5 Supervision	<input type="checkbox"/> Disabled	<input type="checkbox"/> Enabled
[2]	Keypad 2 Supervision	<input type="checkbox"/> Disabled	<input type="checkbox"/> Enabled	[6]	Keypad 6 Supervision	<input type="checkbox"/> Disabled	<input type="checkbox"/> Enabled
[3]	Keypad 3 Supervision	<input type="checkbox"/> Disabled	<input type="checkbox"/> Enabled	[7]	Keypad 7 Supervision	<input type="checkbox"/> Disabled	<input type="checkbox"/> Enabled
[4]	Keypad 4 Supervision	<input type="checkbox"/> Disabled	<input type="checkbox"/> Enabled	[8]	Keypad 8 Supervision	<input type="checkbox"/> Disabled	<input type="checkbox"/> Enabled

## Display Mode

To toggle Display Mode, see section [587]:

Option		OFF	ON (default)
[8]	Live Display Mode	<input type="checkbox"/> Disabled	<input type="checkbox"/> Enabled

The K32IRF / K32RF have two display modes. By default, the keypads will show all events (e.g. zones in alarm, bypassed zones, etc.) live as they occur. Alternatively, with Live Display Mode off, the system will only display zones that cause an alarm, entry delay or exit delay. To see the status of all zones, press the [ ] key. Zones that are open but have not triggered an alarm will only be displayed after pressing the [ ] key. The display will turn on, showing the status of all zones at the time the [ ] key was pressed. The K32IRF display will turn off after 20 seconds. The K32RF display will turn off after 30 seconds.

## Power Save Mode

If a 6VDC adapter is not connected to the keypad, the display will go into power save mode to conserve battery life. The K32IRF display will turn off after 20 seconds. The K32RF display will turn off after 1 minute. To activate the display, press the [ ] key.

**IMPORTANT:** When the keypad is in power save mode, the K32IRF will only display alarms, arming events (exit delays) and entry delays. The K32RF will not display any events. To activate the display and see the status of the system, press the [ ] key.

## Power / RF Feedback

**K32IRF** - TX Icon

Fast Flashing = Transmission/reception in progress

**K32RF** - Power / RxTx LED

Fast Flashing = Transmission/reception in progress

On = Power of panel (not keypad)

## Trouble

Group [16]: Wireless keypad communication failure.

## Technical Specifications

	K32IRF	K32RF
<b>RF frequency</b>	433MHz or 868MHz	433MHz or 868MHz
<b>Primary power source</b>	Two AA batteries	6VDC (300mA)
<b>Backup power source</b>	6VDC (300mA)	3.7VDC Li-ion rechargeable
<b>Battery life</b>	Up to 1 year	Up to 48 hours (backup power)
<b>Range (typical in a residential environment)</b>	40m (130ft)	40m (130ft)
<b>Compatibility</b>	MG5000, MG5050 V3.2 or higher Spectra SP series V3.2 or higher (requires RTX3 V1.4 or higher)	Magellan MG5000 V1.3 or higher Spectra SP series V2.0 or higher (requires RTX3 V1.1 or higher)
<b>Operating temperature</b>	0°C to 49°C (32°F to 120°F)	0°C to 49°C (32°F to 120°F)

