PARADOX ⋀⋀

REM101M
1-Button Remote

FW Version: V1.00.00
Document Version: V1

Introduction

The REM101M one-button remote is designed to be used mainly as a panic/emergency remote or as a calling device in restaurants and emergency rooms. The REM101M includes haptic (vibration) feedback, a very useful feature if installed invisibly under a desk for panic use. The Rem101M is water resistant, features an ultra-bright LED, and comes with an easy-fix bracket. It can also perform arm/disarm functions and activate PGMs.

The Rem101M is available in three body colors and seven button colors in any combination.
A special emergency room and restaurant waiter call user interface is under development and is scheduled for release by the end of October.

Components of REM101M
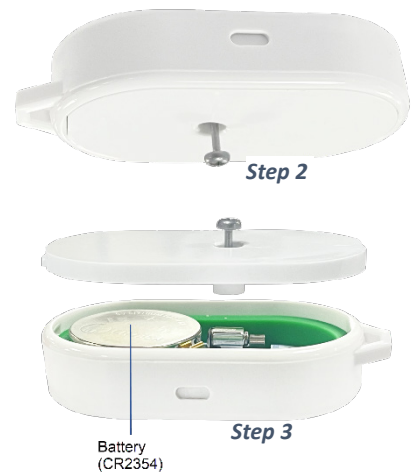
The following figure displays the components of REM101M.

Components of REM101M

Replacing Battery

CAUTION: This product contains a coin or button cell battery. If the coin or button cell battery is swallowed, it can cause severe internal burns in just two hours and can lead to death.

To replace the battery of REM101M:

1. Insert a flat screwdriver into the slot at the top of the wall bracket and gently lift the remote upward to detach it.
2. On the back of the remote, loosen the screw and tilt the remote downward.
   The screw acts as a hinge, allowing the remote to hang from the cover.
3. While holding the screw, securely hold the remote in your other hand and pull the back cover upward to open it.
4. Replace the battery with a new one, ensuring the positive side of the battery is facing up.
5. Reattach the back cover and tighten the screw.

NOTE: *When the battery level drops to 5% or below, a red battery icon with the percentage will appear next to the device name in the BlueEye app, indicating a low battery.*

Step 2

Step 3

Battery
(CR2354)

Pairing REM101M with the Wireless Console

You must pair the REM101M with the wireless console and configure the settings to use it. The pairing and configuration settings of REM101M are managed through the BlueEye application.
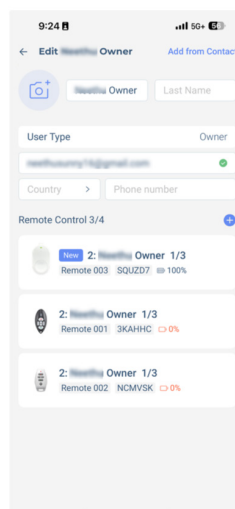
Prerequisites

To pair the REM101M with your wireless console, you must ensure that:
1. The BlueEye application is installed on your mobile.
2. The M console is powered on (Paradox logo color - white, red, or green).

Pairing REM101M

To pair the REM101M with the wireless console as an owner:
1. When in the M site > **Firmware** > **Users and Remotes**.
2. Tap your profile > tap **+** on the page and press any button on your remote.
   The remote pairs with the console and appears at the top of the device list with a ***new*** tag and voice announcement.
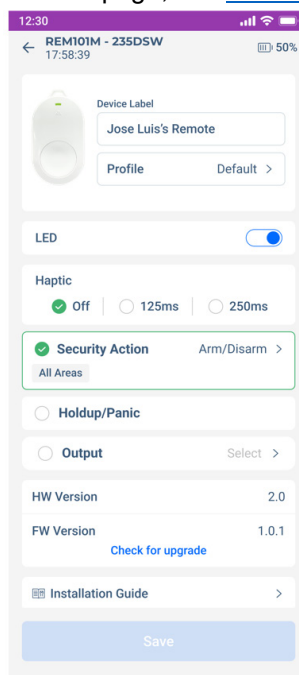
To identify the device that you want to pair, find the serial number in the device list if you have noted it from the stickers located on the remote.

Configuring the REM101M

To configure the REM101M settings:

1. When in the M site > the **Firmware** tab > **Users and Remotes**.
2. Tap your profile and then tap REM101M from the device list.
3. On the page that opens, enter the details and click **Save**.
   For details about each parameter displayed on the page, see

The following table lists the parameters displayed for configuring the REM101M, along with their descriptions.

Table 1

Parameter	Description
Device Label	Label the device.
LED	Determines whether the LED indications for the device are enabled or disabled.
Haptic	Sets the vibration feedback duration when the button is pressed. • Off • 125ms • 250ms
Security Action	Defines the action triggered by the button press for the selected areas. • Arm • Sleep • Stay
Holdup/Panic	Enables the button to function as a holdup or panic trigger, if configured.
Output	Assigns the button to control a specific output function.

Using the REM101M

The REM101M is a single-button remote that provides haptic (vibration) feedback to confirm the action has been triggered successfully. To perform an action, press and hold the button for 0.15 seconds.
When pressed, the LED indicates the following:
- Steady red – The system is armed
- Red and Green blinking – Arming

Upgrading Firmware

To upgrade the firmware:

1. In the **Firmware** tab > **Users and Remotes** > **REM101M** > **Check for Upgrade**.
2. If an upgrade is available, tap **Upgrade** when prompted and press any button on the remote.
   The process may take a few minutes. Keep track of the progress in the BlueEye application to ensure that the upgrade is completed successfully. Both the Installers and owners can perform the upgrade.
   NOTE: *As the REM101M uses a small-capacity coin cell battery, each upgrade may consume 2 - 4% of battery life.*

IMPORTANT: The firmware upgrade can be done only when the system is disarmed.

Signal Strength and Transmit Power Monitoring

The BlueEye application provides insights into each device's received signal strength and transmission power to optimize performance.

To view the RSSI and transmit power range:

1. When in the **Hardware** tab, tap the ⓘ icon next to the **Wireless** tab.
   A pop-up window with the RSSI and transmit power range is displayed.
2. Maximum power transmitted by REM101M:
   - 868 MHz: +14 dBm
   - 914 MHz: +14 dBm

Technical Specifications

The following table lists the technical specifications of REM101M along with their descriptions.
NOTE: *The specifications are subject to change without prior notice.*

Specification	Description
Wireless type	GFSK two-way with encryption hopping
RF Frequency	868 (865.05 - 867.95) MHz or 914 (902.25 - 927.55) MHz range
RF power	868 MHz up to +14 dBm, 914 MHz up to +14 dBm
Transmission Time	Less than 20 ms to console
Battery	1 x CR2354 lithium
Operating Temperature	-20°C to +50°C (-4°F to 122°F)
Body Colors	Black, White, Grey
Button Colors	Red, Orange, Blue, Green, White, Black, Grey
Dimensions (H x W x D)	6.2H x 3.7W x 1.8D cm (2.4" H x 1.4" W x 0.7" D)
Weight	25 g
Certification	CE, FCC 15.247

FCC Statements

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and the receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio/TV technician for help.

WARNING – RF EXPOSURE COMPLIANCE: This equipment should be installed and operated with a minimum distance 5 mm between the radiator and your body.

FCC ID: KDYREM101M
IC: 2438A-REM101M

- This Class B digital apparatus complies with Canadian ICES-003.
- -Cet appareil numerique de la classe B est conforme a la norme NMB-003 du Canada.

IC Statements

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

1. L'appareil ne doit pas produire de brouillage;
2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

AVERTISSEMENT – CONFORMITÉ AUX NORMES D'EXPOSITION AUX RF: Cet équipement doit être installé et utilisé à une distance minimale de 5 mm entre le radiateur et votre corps.

Warranty

For complete warranty information on this product, see the Limited Warranty Statement document, or contact your local Paradox distributor.

Patents

US, Canadian, and international patents may apply. Paradox is a trademark or registered trademark of Paradox Security Systems (Bahamas) Ltd.
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