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Introduction

The M25 wireless console is a versatile control hub that provides seamless management of various connected devices within a system. It operates using advanced Gaussian Frequency Shift Keying (GFSK) technology and is available in 868 MHz or 914 MHz range variants. The console ensures high security and reliability with frequency hopping and encryption. It uses the Paradox MQTT ecosystem for fast and reliable communication with phone applications, IPC10 receivers, and PC software. The console offers a two-way authenticator user management, which will be available upon its release in March 2025.

The M25 wireless console offers quick and easy installation via an application-based configuration. All devices connected to the M25 console are fully upgradable either over the air (for wireless devices) or through the Ethernet (for network devices). The M25 system is highly expandable, supporting both wireless devices (including hardwired zones or PGMs) and Ethernet-powered modules such as keypads, repeaters, cameras, and access modules. This installation manual applies to both the 868 MHz range and 914 MHz range frequency variants.

NOTE: *It is recommended to set up a dedicated IoT network for M25 and Ethernet devices, especially when using outdoor devices such as cameras, doorbells, and readers. This enhances security.*



Cloud Services

The M25 wireless console connects to Swan cloud services, allowing users to access, program, and monitor Paradox security devices, as well as receive push notifications.

A minimal annual fee is required for these services after the owner has been invited. Additional fees may apply for managing multiple sites or larger access systems.

Swan Cloud Service Disconnection Alert

If the M25 remains disconnected from the Swan cloud service for more than 15 minutes, both the owner and installer will receive a push notification alert.

System and Installer Requirements

The following are the system and installer requirements for the M25 wireless console installation.

- **Installer Requirements**

We recommend that the installer be a trained security professional certified by a Paradox distributor to install the M25 wireless console. To install an M system, the installer must register first at Paradox/installerid.tifire.com with validated email, phone number, and company details. Once registered, the installer can manage their team of installers, access the service site, and consolidate all their installed sites at the Paradox dealer portal www.paradox/dealer. As a registered installer, you will also have access to manage and maintain all your installed sites through the BlueEye application.

- **Installer Sites and site lock**

Each completed site will be linked to the installer. Installation is considered complete once the Swan service is paid for either by the dealer or owner. Upon payment, the installer company is registered as the service company for the site. The site can then be secured to the dealer by activating the **installer lock** switch in the application **menu > General**. Once locked, even a factory reset will not unlock the site. If the site is unlocked, the owner can change or allow other installers to take control of the site. For more details, see BVVBDHUJE.

- **Hardware and Network Requirements**

The M25 wireless console requires a router with a Power Over Ethernet (PoE) to function, as PoE powers it. Ensure your router supports basic PoE (15W), as the maximum power consumption of the M25 wireless console is 10W.

If your router does not support PoE, then add a PoE injector.

NOTE: *The PoE injector needs to be purchased separately from your Paradox distributor. The M25 wireless console supports many extensions via Ethernet, such as repeaters, cameras, access modules, and keypads, all powered by PoE. Some devices, like M20 or access modules, may require PoE++, which provides higher power. Ensure the router at the site has enough PoE outputs and total power to support all connected Ethernet devices.*

- **Internal Battery Operation**

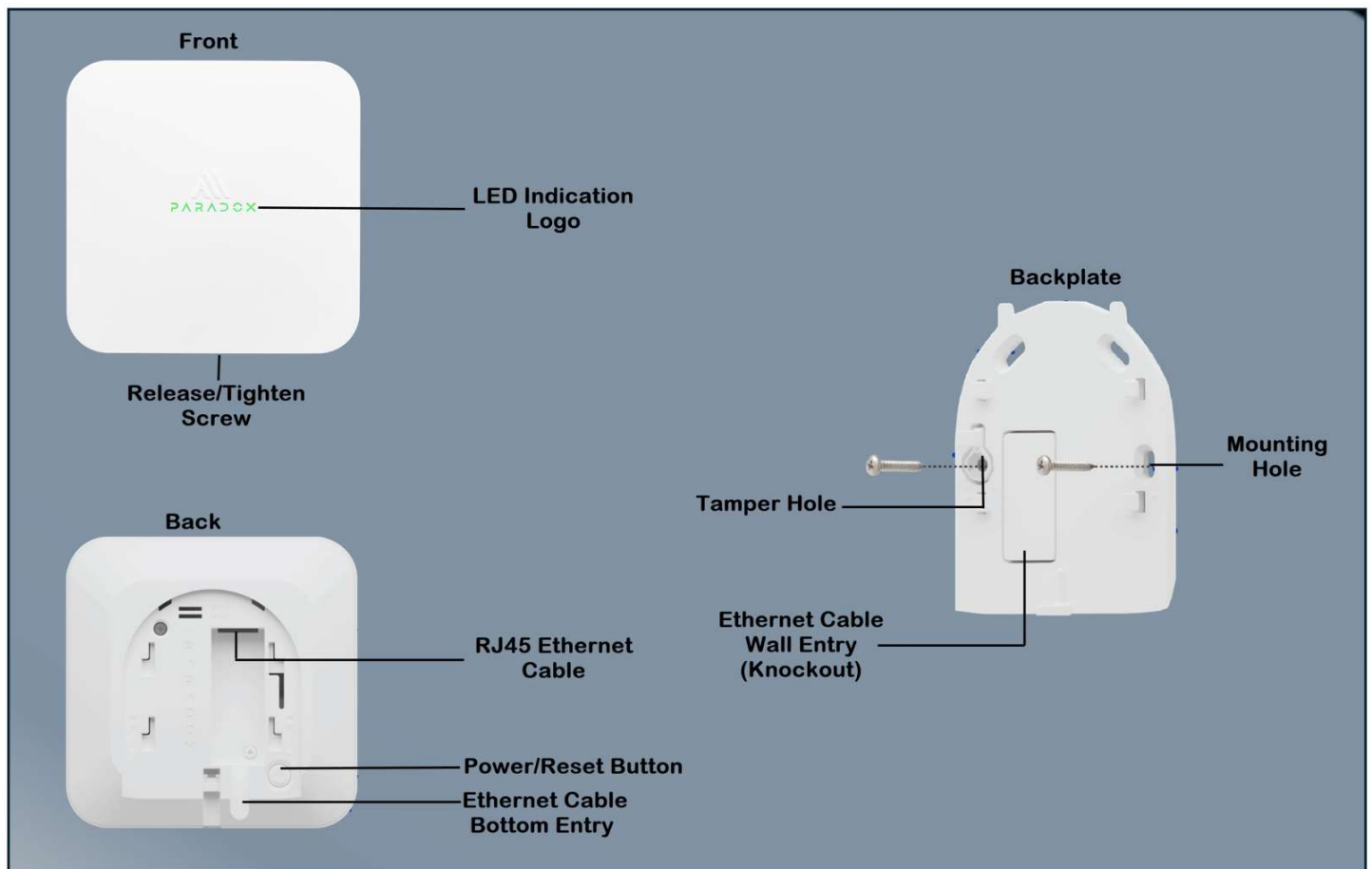
The M25 console comes with a built-in Lithium backup battery. Once fully charged, it can operate on battery power for up to 27 hours. The battery is expected to last for the product's lifetime, with no service or replacement required by the dealer.

EN 50131-5-3 Standards Compliance (For 868 MHz variant only)

The M25 wireless console complies with the EN 50131-5-3 standards. According to the requirements specified in Table 1 of the EN 50131-5-3 standard, during the auto-learn mode, the M25 wireless console and all unlearned devices transmit at +6dbm, and not at the maximum power +14dbm. After the device is successfully added to the system, it continues normal operation, managing power between -6dbm and +14dbm for optimal battery management. The M25 wireless console continues to be at +14dbm full power transmission after auto-learn mode ends.

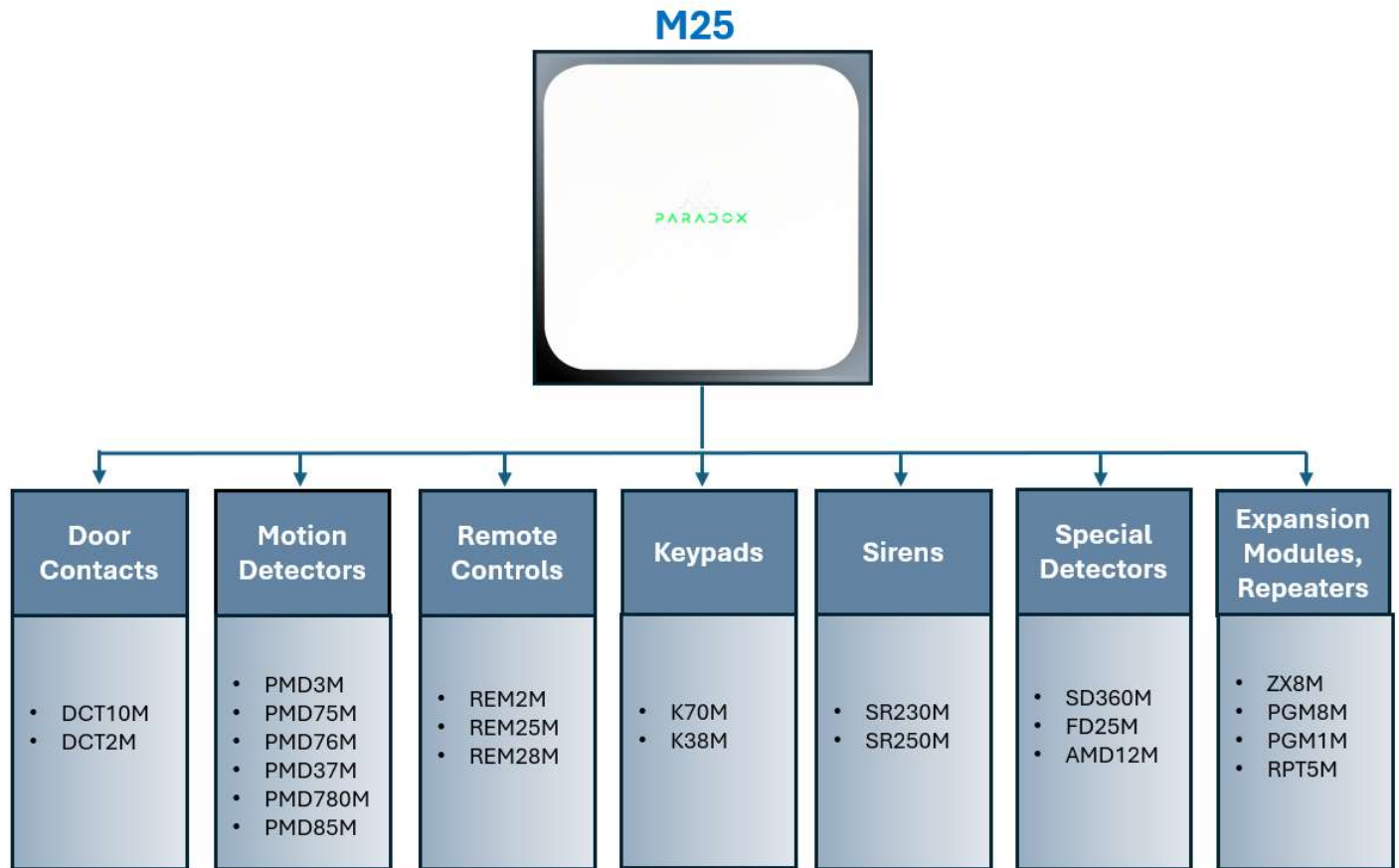
Components of M25

The following figure displays the functional elements of the M25 wireless console.



Components of M25

Supporting Devices of M25



Supporting Devices

Experienced Installers – Quick Installation

If you are an experienced installer, follow these steps to install M25.

1. Mounting: Install the console near a power source.
2. Internet Connection:
 - Use Ethernet or Wi-Fi.
 - If Ethernet does not support PoE, use a PoE injector.
3. LED indications for M25 status:
 - **Amber (flashing)** – Power-up /initial sequence/Swan search.
 - **White** - Connected to Swan MQTT, Connection with BlueEye possible.
 - **Red** - Powered but not connected to Swan MQTT (Hotspot active for Wi-Fi setup. SSID: M25 serial number, password: 12345678)
 - **Red Blinking**- Battery powered, not connected to Swan MQTT.
 - **Blue Blinking** – Firmware upgrade is in progress.
 - **White >Orange>Steady White** - Reset to the default sequence.
4. Add the M system (using the BlueEye application)
 - a. Menu icon  > **Installer Menu**.
 - b. Tap **+** at the top-right corner > **Create M system** > enter the serial number > **Connect** > enter the site details > **Continue**.
5. Set up the **Hardware** and **Firmware** configurations (using the BlueEye application)
 - a. Menu icon  > **Installer Menu** > tap site name.

- b. Pair and configure hardware devices on the **Hardware** tab.
- c. Configure firmware settings on the **Firmware** tab.

For detailed installation information, refer to the following sections.

Mounting and Connecting to the Internet

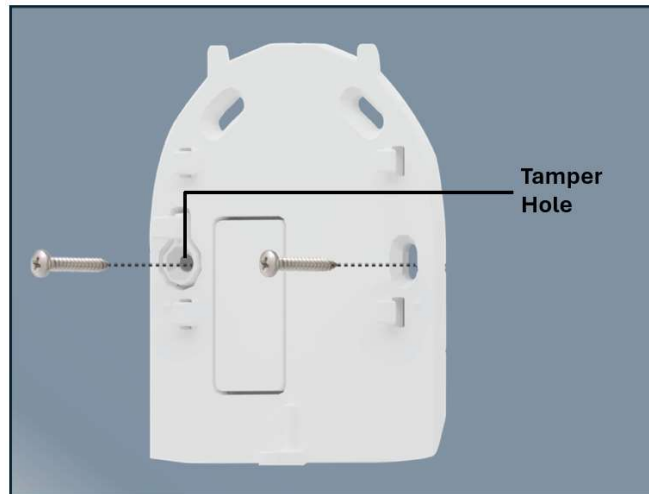
CAUTION:

- Do not mount the wireless console near the following locations to prevent signal interference.
 - Large metal objects such as metal racks, cabinets, or walls.
 - Electrical panels or wiring.
 - Corners or behind furniture.
- Do not place the console near heat sources such as heaters, radiators, or direct sunlight, as it may affect the console's performance.

To set up the M25 wireless console and connect the console to the internet:

1. Select a mounting location near a power source.
2. From the wireless console, loosen the **Release/Tighten Screw**, slide down and remove the backplate.
3. Position the backplate on the wall and mark the mounting holes. Fix the backplate.

NOTE: *One screw must be secured in the tamper hole as per the EN security standards. The use of double-sided tape does not trigger a tamper alarm when the cover is removed and may not meet security approval standards in your country.*



4. Run an Ethernet cable from an internet router that supports PoE or use Wi-Fi. If the Ethernet cable does not support PoE, use a PoE injector.

To connect a PoE injector:

- a. Connect an Ethernet cable from the **RJ45 Ethernet Socket** of the M25 wireless console to the PoE (output) port of the injector.
- b. Connect another Ethernet cable from the LAN (Data Input) port of the PoE injector to the router.
- c. Plug the PoE injector's power input into an AC power outlet.

5. If you are using an Ethernet cable that supports PoE to provide the internet, then connect the cable to the RJ45 Ethernet Socket of the M25 wireless console.
 - If the Ethernet cable is routed from the wall, pass it through the **Knockout** hole.



- If the Ethernet cable is routed from the bottom, use the **Ethernet Cable Bottom Entry** for routing.



6. If you are using only Wi-Fi to provide internet without using an Ethernet cable, then use a PoE injector to provide power to the M25 wireless console.
NOTE: *If the internet is provided only through Wi-Fi, the console hotspot opens with the Service Set Identifier (SSID) set as the console's serial number. Connect to this hotspot using the password **12345678**.*
7. Slide the M25 wireless console downward onto the backplate and secure the console by tightening **Release/Tighten Screw**.



After the M25 wireless console is powered with PoE and connected to the internet, the Paradox logo on the console lights up in white.

For more information about the LED logo indications on the console, see the [LED Indications](#) section.

Functionalities of Power Button

The power button on the M25 wireless console is used to:

- **Power OFF/ON (only when battery-operated):** Press and release the power button on the console to turn it off. To turn the console on again, either connect the PoE to the console or press the power button twice within 3 seconds when it is battery-operated.
- **Reset:** The power button can also be used to reset the console to its default settings when the PoE is connected. To reset the console, press and hold the power button for 10 seconds until the display flashes white. Release the button and press it again within 5 seconds to confirm the reset. The LED will start flashing orange. After 7 seconds the console will reset to default and the LED will be steady white. If the dealer lock is enabled, only the registered dealer on the panel can access the console.

When connected to Swan, you can reset the console to its default settings using the BlueEye application.

LED Indications

After the M25 wireless console is powered on, it provides LED indications to signal different states or events that are happening in the console. The Paradox logo on the front of the console illuminates in white, red, green, or blue, depending on the state of the console.

The following table lists the indications displayed by the logo and the event.

Table 1

LED Indication	Event
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Amber (flashing)	Power-up /initial sequence/Swan search
White	Connected to Swan MQTT, Connection with BlueEye possible
Red	Powered but not connected to Swan MQTT (Hotspot active for Wi-Fi setup. SSID: M25 serial number, password: 12345678)
Green Blinking	Battery powered, connected to Swan MQTT, BlueEye connection possible
Red Blinking	Battery powered, not connected to Swan MQTT
Blue Blinking	Firmware upgrade in process
White >Orange >steady White	Reset to the default sequence

Configuring M25

NOTE: Ensure that your M25 wireless console is powered on and connected to the internet. If the internet is provided only through Wi-Fi, the console hotspot opens with the SSID set as the console's serial number. Connect to the hotspot using the password 12345678. After your phone is connected to the console hotspot, open the BlueEye application and configure the settings mentioned in the following sections.

To configure the M system, you must:

1. Add the M system to the BlueEye application.
2. Configure the settings in the **Hardware** and **Firmware** tabs.

Adding M System

To add an M system:

1. In the BlueEye application, tap the menu icon  > **Installer Menu**.
NOTE: You must be a registered installer to view this option. For more information, contact your Paradox distributor.
2. If you are logging in for the first time, enter your login credentials and then tap **Continue**.
3. Tap **+** at the top-right corner and then tap **Create M system**.
4. Do either of the following to enter the serial number:
 - Scan the serial number displayed at the back of the console.
 - Enter the serial number manually.

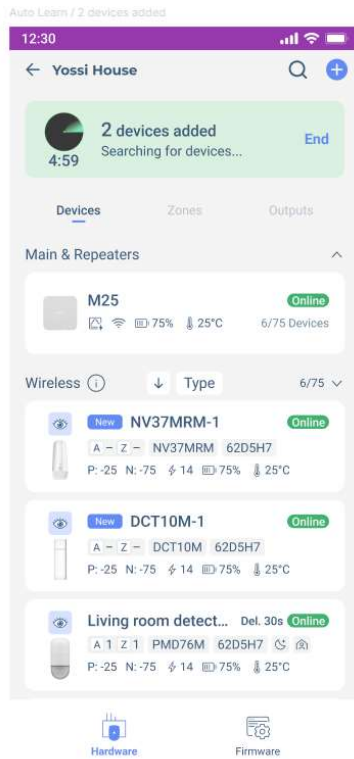
NOTE: If the serial number is damaged and cannot be read from the sticker, disconnect power from the console. When the internet is provided through Wi-Fi, the console hotspot opens with SSID set as its serial number. Search for the console hotspot with your phone and copy the serial number.

5. Tap **Connect**.
6. From the **City Time Zone** field drop-down, select your time zone.
7. In the **Enter Site Name** field, enter your site name.
8. In the **Areas** field, enter the area name.
NOTE: The site name and number of areas can be modified later.
9. Tap **Continue**.
The site is now added to your site list in the BlueEye application, and the status is displayed as **Installation in progress**.

Hardware and Firmware Settings

To configure the hardware and firmware settings:

1. In the BlueEye application, tap the menu icon  > **Installer Menu**.
2. Tap the M site from the displayed list.
3. In the **Hardware** page that opens, you can pair and configure all the hardware devices with the console.



4. Tap the **Firmware** tab to configure all the system firmware settings. For more information about the parameters in the Firmware tab, see Table 2.

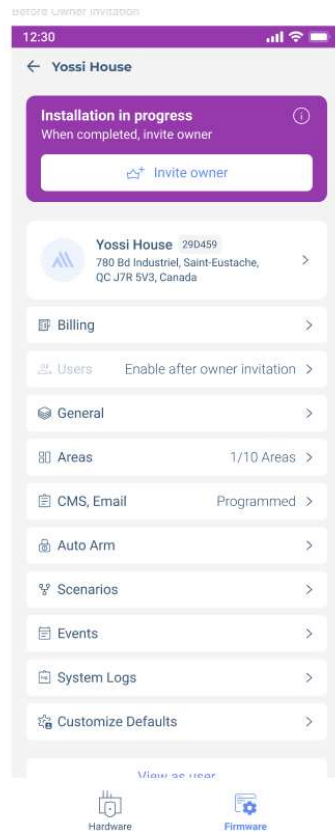


Table 2

Parameter	Description
Billing	Displays the renewal date, expiry date, and invoices for the site.
General	Allows configuration of the general site settings.
Areas	Lists the areas or zones within the site, which can be individually managed.
CMS, Email	Configures settings for communication with the Central Monitoring Station (CMS) and email notifications.
Auto Arm	Allows scheduling for automatic arming of the system, as well as Stay and Sleep modes.
Scenarios	Set up specific actions triggered by certain events or conditions.
Events	Displays a log of security events, such as alarms or system activations, for monitoring and review.
Service Logs	Displays service logs.
Customize Defaults	Allows customization of default settings.

Pairing Wireless Repeater

To extend the wireless range of the console, you can add up to four RPT5ME to each M system. Connect the Ethernet cable with PoE to the console using the same local network as the console. When the Paradox logo displays red, open the BlueEye application and do the following:

1. In the BlueEye application, tap the menu icon  > **Installer Menu**.
2. Tap the M site from the displayed list.
3. Tap **+** on the top-right of the page and then tap **Auto learn wireless devices**.
The wireless console searches for new devices and a rotating radar icon is displayed. All unassigned Ethernet modules appear, including all RPT5ME.
4. From the device list, tap the repeater you want to add.

You can also select Assign from Panel or Repeater – select from the device list the one you want to move, and it will move the device if the device is within the reception area of the repeater.

Pairing Wireless Devices

NOTE: *Ensure that all wireless devices that you want to pair with the wireless console are installed and powered on. For more information about the installation of all the supported devices of M25, see the installation manuals of the respective devices.*

To pair a device with the M25 wireless console:

1. In the BlueEye application, tap the menu icon  > **Installer Menu**.
2. Tap the M site from the displayed list.
3. Tap **+** on the top right of the page, and then tap **Auto learn wireless devices**.
A rotating radar icon is displayed with a 5-minute countdown. All unpaired devices pair within 5 minutes and appear at the top of the device list with a new tag and voice announcements.
You can open the front cover of the device and press the **Learn** button momentarily, or open and close the zone for immediate pairing.

To identify the device that you want to pair, you can either open or close the zone or trigger the device tamper, and then check the device's screen in the BlueEye application to see the corresponding display.

When you open or close the zone, an eye icon displayed in the application beside the device name opens and closing. When you trigger the device tamper, a **T** symbol appears on the device name in the BlueEye application.

Alternatively, you can identify the devices by finding the serial number in the device list, if you have noted it from the stickers located within the devices.

Configuring Devices

To configure a device:

1. In the BlueEye application, tap the menu icon  > **Installer Menu**.
2. Tap the M site from the displayed list.
3. Tap the device that you want to configure.
4. Enter the necessary details and tap **Save**.

For more information, refer to the installation manuals for each device. A link to the installation manual can be found at the bottom of the device screen in the BlueEye application.

Upgrading Firmware

To upgrade the firmware version of a console or device:

1. In the BlueEye application, tap the menu icon  > **Installer Menu**.
2. Tap the M site from the displayed list.
3. Under the **Hardware** tab, tap the console or device that needs a firmware update.
4. On the **Device Details** page, scroll down and tap **Check for Upgrade**.
5. If an upgrade is available, tap **Upgrade** when prompted.

Keep track of the progress in the BlueEye application to ensure that the upgrade is completed successfully. The process may take a few minutes depending on the network quality.

NOTE: *If the devices are connected through repeaters, the firmware upgrade is transmitted via the repeater, ensuring that devices located farther from the main console still receive the update.*

Generating Logs

To generate logs for a console or device:

1. When in M site, go to **Firmware > Service Logs**.
2. Select the console or device for which you want to generate a log.
3. Tap **Generate logs**.
The logs are generated as a ZIP file.

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 M site, tap the  icon next to the **Wireless** tab.
A pop-up window with the RSSI and transmit power range is displayed.



Frequency	Minimum Transmit Power (dBm)	Maximum Transmit Power (dBm)
914 MHz range	-9	+22
868 MHz range	-9	+14

Tap on any listed device to view signal strength and additional device metrics. The following parameters are displayed for each device:



- **P** - Received signal strength at the panel
- **N** - Received signal strength at the device
- - Transmit power of the device.
- - Current temperature reading of the device.
- - Battery level of the device

A higher P and N value indicates stronger and clearer communication between the console and the device.

- If **P** is low, the console struggles to receive signals from the device.
- If **N** is low, the device struggles to receive signals from the console.

NOTE: Values below -90 for both P and N are not recommended for installation.

Power transmission impacts only **P**:

- When power transmission increases, the **P** value at the console generally improves, as a stronger signal is sent.
- If **P** value is good, the device can reduce its transmission power to save battery life.

Managing Multiple Sites (Only for Owners)

The M system allows the owner to manage multiple sites, eliminating the need to enter each site separately for maintenance including one-point view, add, remove, and edit users for all sites. Cloud annual fee includes adding up to 5 sites for user grouping. Adding additional sites may incur extra charges.

Before you start Site User grouping:

- All sites must be owned by the same owner and must be online during the grouping process.
- Same owner is defined as a user with the same registered Email and Phone.
- If a larger panel is selected as Master (like M20), the M25 wireless console will still be limited to maximum users.
- After user grouping, all sites are operating independently as before, including report, connectivity, and backup.
- If one master panel is offline users edit is not possible.

To group sites by the user or owner in the BlueEye application:

1. Tap the menu icon , and then tap **Site Users Grouping**.
All the sites that belong to the owner are displayed.
2. Select the site that you want to set as the **Master** site.
NOTE: *This site stores all data necessary for user grouping.*
3. Tap all sites you want to group and then tap **Continue**.

Technical Specifications

The following table lists the technical specifications of the M25 wireless console.

NOTE: *The specifications are subject to change without prior notice.*

Table 3

Component	Specifications
Power Supply	PoE, 10W max
Battery	3.7V Lithium-ion battery, 5000 mA
Battery Backup Time	26H on Ethernet, 24H on Wi-Fi, 20H on LTE
Ethernet/ Wi-Fi	Built-in Wi-Fi – 2.4Ghz B/G/N
LTE	Built-in (LTE version), main channel, or backup
Users	128, one owner, masters, users, guests, maintenance. Optional access to the BlueEye application.
User and Partition Jpegs	All
Partitions	10
Total Zones	100
Remotes	100, up to four per user
Wireless Devices	75
Adding Devices	Via auto-learn feature (wireless and Ethernet)
Ethernet Wireless Repeaters	4
Programmable Outputs	48, regular, users restricted or installer only
Ethernet Expansion Devices	30 (repeaters, keypads, cameras, and access modules)
One point User all Site Management	50 Sites, (Same site owner) 5 included licenses for additional
Video Verification	16 cameras (available April 2025)
Access Control	16 doors (available June 2025)
Security Events	512
Access Events	2000
Wireless Frequency Range	868 (865.05 - 867.95) MHz or 914 (902.25 - 927.55) MHz
Modulation Type	GFSK with frequency hopping and encryption support
Wireless Transmission power	Active Power Management, 868 MHz band up to +14 dBm, 914 MHz band up to +22 dBm
Installation	By registered installer with access to the Paradox portal

Component	Specifications
Installer System Access	With temporary alpha-numeric code, system-generated with or without owner's approval
Cloud Services	Paradox MQTT Swan (subscription needed)
Reporting	One or two channels with backup, Ethernet/Wi-Fi + LTE, up to four receivers
Programming	Via BlueEye application or PC software
Operating Temperature	-20°C to +46°C (-4°F to 114.8°F)
Certifications	CE 50131-1, EN 50131-3, EN 50131-6, EN 50131-10, EN 50136-1, EN 50136-2, Grade 2, Class II

Warranty

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