PARADOX

M25

Wireless Console

INSTALLATION MANUAL

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FW Version: V1.21.003

What's New

This firmware release of the M25 includes the following new features and enhancements:

Firmware Version	Release Date	What's new in this release
V1.21.003	22 September 2025	• Bug fixes/improvements

Introduction

The M25, a variant of the Paradox M Head units, is a versatile and powerful wireless/wired hybrid compact head unit. The wireless section uses Gaussian Frequency Shift Keying (GFSK) technology, offered in both 868 MHz and 914 MHz bands. It employs advanced frequency and encryption hopping to protect against unauthorized access, ensuring data security and an ultra-fast connection. It uses the Paradox fourth-generation Identifier ecosystem for fast and reliable 3-channel communication via Ethernet, Wi-Fi, and LTE (LTE Model) with the BlueEye phone application, IP converters, and PC software.

The M25 wireless console offers quick and easy installation via an application-based configuration. All wireless devices connected to the M25 console are fully upgradable over the air via the Internet. The M25 system is expandable with wireless devices—including hardwired zones, PGM wireless expanders, or Ethernet/Wi-Fi modules such as keypads, repeaters, cameras, and access modules. This installation manual applies to the 868 MHz range and 914 MHz range frequency variants.

NOTE: *To enhance security, when using outdoor devices such as cameras and doorbells, it is recommended to set up a dedicated IoT network.*

Hardware and Network Requirements

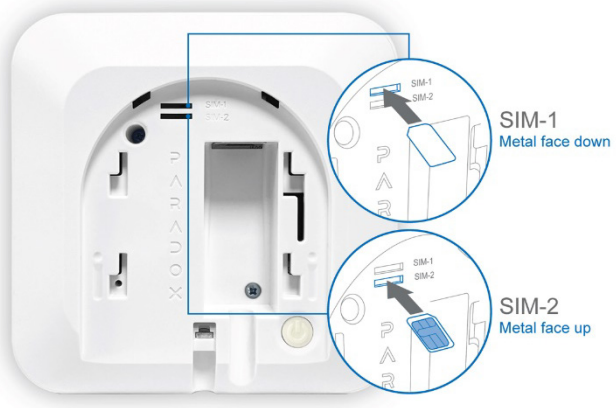
The M25 wireless console requires a router with Power Over Ethernet (PoE) to function. Alternatively, you can use a PoE injector to supply power. The maximum power consumption of the M25 wireless console is 10W.

Quick Installation- Experienced Installers

IMPORTANT:

- The M25 console includes a free 1-year subscription.
- If you are using an LTE model, insert the SIM cards carefully as follows:
  - SIM1: Insert with the metallic side facing down.

LTE Model SIM Card Insertion



- SIM2: Insert with the metallic side facing up.
  In both cases, ensure the notched end goes in first. Incorrect insertion may cause the SIM card to get stuck, making it difficult to remove.

To install M25:

1. Install the console at the desired location, not in proximity to large metal objects or electrical panels.
2. Internet Connection:
   - Connect via Ethernet with PoE or Wi-Fi using a PoE injector.
   - If PoE is not available on the Ethernet connection, use a PoE injector.
3. Create/Add the M system (using the BlueEye application)
   a. Menu icon ☰ > **Installer Environment > M System** > **Install** >enter the serial number > **Done** > enter the site details > **Continue**.
4. Set up the configurations (using the BlueEye application)
   a. (*Installer*) Menu icon ☰ > **Installer Environment** > **M System** > tap site name.
   (*Owner*) Menu icon ☰ > **Programming**.
   b. Pair and configure hardware devices on the **Hardware** tab.
   c. Configure the settings on the **Firmware** tab.

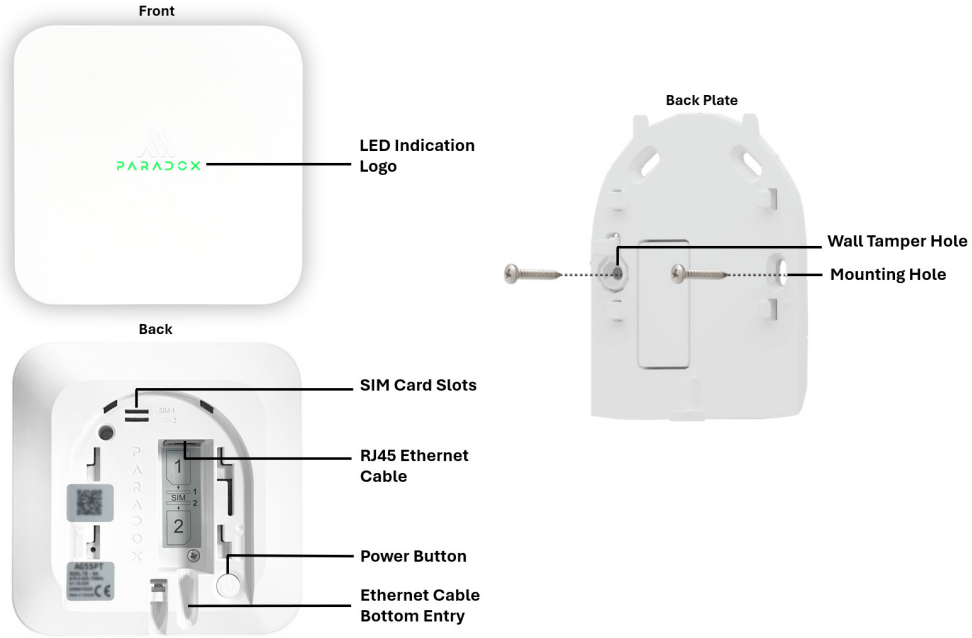
Built-in status indications of M25:

- **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).
- **Red Blinking** – Battery powered, not connected to Swan MQTT.
- **Blue Blinking** – Firmware upgrade is in progress.
- **Green Blinking** – Connected to Swan MQTT via Wi-Fi, BlueEye connection possible.
- **White** > **Amber** > **Steady White** – Reset to the default sequence.

For detailed installation information, refer to the following sections.

NOTE: *The low battery voltage threshold of the M25 is 3.4V, and the battery is considered restored at 3.6V (on power-up only).*

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



Components of M25

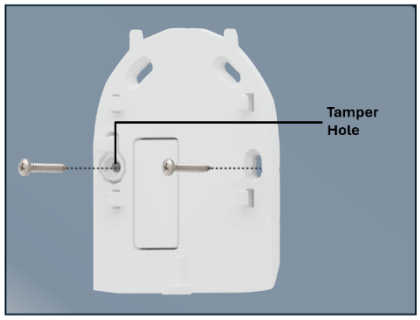
M25 Supported Devices: All Paradox product models ending with M are supported, for example, DCT2M, PMD5M. All other Paradox products are not supported.

Mounting the M25

Locate the M25 close to the center of all wireless devices for balanced reception and power management of the devices. Avoid proximity to large metal objects like metal racks or electric boxes.

For information about APN configuration for the LTE-supported panel, see the ***APN Configuration*** section.

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 with PoE injector. 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 (*See **Figure A***).
   - If the Ethernet cable is routed from the bottom, use the **Ethernet Cable Bottom Entry** for routing (*See **Figure B***).

Figure A

Figure B

6. If you provide internet access only via Wi-Fi without using an Ethernet cable, then use a PoE injector to power the M25 wireless console.
   NOTE: *When 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. To access the Wi-Fi configuration interface via a web browser, use the default IP address: **http://192.168.180.1**.*
7. Slide the M25 wireless console downward onto the backplate and secure the console by tightening **Release/Tighten Screw** (*See **Figure C***).

Figure C

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.

APN Configuration (only for LTE Models)

If your panel supports LTE, use one of the following methods to configure the **APN (Access Point Name)** for the cellular connection.

- **Automatic APN Detection**
  Insert the SIM card into the SIM card slot located on the back of the panel. If your APN is preconfigured in the panel, it will automatically populate next to the **SIM** slot field in the BlueEye application (To verify, go to **BlueEye** > **Hardware** > **M25** > **SIM)**.

  NOTE: *If the APN does not auto-populate, follow the manual configuration steps below.*

- **Manual APN Configuration (with PoE and Ethernet)**

  ➢ Go to **BlueEye > Hardware** > **M25** > Select your **SIM** > enter your APN in the **APN** field > Tap **Save**.

- **Manual APN Configuration (with PoE and no Ethernet)**

  1. Insert the SIM card into the SIM card slot located on the back of the panel.
  2. On your mobile or desktop device, connect to the M25 hotspot. The network name (SSID) is typically based on the M25's serial number.
  3. Open a web browser and enter the following address:
     http://192.168.180.1/
  4. On the configuration page, manually enter the **APN** provided by your SIM carrier.
     After configuring, it will automatically populate next to the **SIM** slot field in the BlueEye application (To verify, go to **BlueEye** > **Hardware** > **M25** > **SIM)**.

Power/Reset Button Functions

The Power/Reset button on the M25 console has three functions: Power OFF, deletes all users, and resets to default.

- **Power OFF**
  This feature is designed to be used when the unit is in transport and can be performed only when no PoE power is connected. Press the power button twice momentarily within 5 seconds to turn off the device. To power on, connect PoE power or press and hold the power button for at least one second to power it ON.

- **Deletes all users**
  Press and hold the power button for 8 seconds (the logo blinks purple every second). After 8 seconds, when the logo starts flashing slowly, press the power button once momentarily within 5 seconds. This deletes all users from the site. If the button is not pressed within 5 seconds, the operation will be canceled.
  Logo Sequence: Steady Purple > White Flash > Amber Flashing > Steady White.

- **Resets to Default**
  To reset the console to its default settings, press and hold the power button for 8 seconds (the logo blinks once per second). After 8 seconds/blinks, when the logo starts flashing slowly, press the power button three times within 5 seconds. (To back up and restore, see the ***Backup and Restore*** section in the BlueEye user manual (*Documentation > User Manuals*)).

  After pressing the power button three times, the logo will turn:
  Steady Purple > White Flash > Amber Flashing > Steady White.

  This process resets the console to its default settings and brings it to a new installation mode, with the Service Company Lock (ON/OFF) remaining unchanged.

- **With Service Company Lock Active**: If the lock is active during the reset, the Service Company remains unchanged for the site and cannot be modified. Only the Service Company can access the system to restore a backup or complete the installation.
- **With Service Company Lock Not Active**: If the lock is not active during the reset, the Service Company remains unchanged, but any installer can log in and complete the installation.

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 26 hours. The battery is expected to last for the product's lifetime, with no service or replacement required by the installer/dealer. The M25 charges from 5% to 100% in 18 hours, and about 15 hours to reach 80% capacity.

NOTE: *The device is delivered with a battery charge of 10% or less.*

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

Cloud Services Annual Fees

The M25 wireless console connects to Swan cloud services, allowing users and installers to access, program, receive push notifications, and monitor the system. An annual fee is required for cloud services, which can be paid by the Service Company or System/Site Owner.

M25 24/7 Supervision

The M25 system is continuously monitored for online connectivity. If the system remains offline for more than 20 minutes, both the owner and installer will receive a push notification alert. Additionally, the Central Monitoring Station (CMS) will be notified of the system's offline status.

EN 50131-5-3 Standards Compliance

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 of +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.

Qualifying Installer Requirements

To install an M system, you must first register as an M system user in the Paradox-secured identifier ecosystem. Additionally, you must obtain a Paradox Company ID (PCI), which is a 6-character alphanumeric code.

NOTE: *The PCI is currently used only for M systems. Other Paradox systems continue to follow their existing installation process.*

For detailed information, see the following sections in the BlueEye user manual (*Documentation* > *User Manuals*):

- *Sign Up for the M System*
- *Obtaining PCI*

All systems installed using this PCI will be displayed under the company environment in the BlueEye app or the *Service Company Portal*.

Invited to Install Under Another Service Company ID

A Service Company can add you as an installer under their company ID by sending you an invitation. You can then install systems under their company ID.

NOTE: *In the BlueEye app or the Service Company Portal, you must select the service company environment you want to work with (your own or invited by another company).*

Service Company Sites

Each time you enter the Service Company environment, the sites displayed will be based on your user type, as captured in the table below.

Table 2

User Type	Access to Sites	Permissions	Deletion Rights
Company Owner	All sites associated with the company	• Can add or remove users • Can transfer sites to another company	• Can delete the company only if no sites are registered **NOTE:** *Existing sites must be transferred to another service company before the company can be deleted.*
Service Admin	All sites associated with the company	• Can add or remove users • Cannot delete the Company Owner or the company	• Can delete themselves from the Service Company
Technician	Only sites they have been granted permission to access	• Can install new systems	No deletion rights

Swan Service Payment

Upon completing the installation, the Service Company invites the System Owner to the site. At this stage, the installer is prompted to select who will be responsible for paying for Swan services.

NOTE: After the site payment transaction is complete, the site will be added to the Service Company's site list.

- If the Service Company chooses to pay:
  - They will be directed to complete the payment process. After the payment is made, the Service Company Lock will turn ON.
    For more information, see the *Service Company Lock* section in the BlueEye user manual (*Documentation* > *User Manuals*).
  - Renewal payments will be directed to the Service Company through BlueEye or the *Service Company Portal*.

NOTE: *If the service company fails to renew the payment after the expiration date, within a two-week grace period, the System Owner will be asked to pay for the renewal to regain access to the site.*

- If the installer selects the System Owner as the payer:
  - Upon their first access to the site, the System Owner must complete the payment for Swan services, including all future renewals. In this case, the Service Company can turn ON the Service Company Lock if needed.

  NOTE: *The System Owner must first register as an M user via the BlueEye app.* For details, see the ***Sign Up for the M System*** section in the BlueEye user manual (*Documentation* > *User Manuals*).

- ### Service Company Lock

  After the payment is initiated and completed by the Service Company, the Service Company Lock for the site will be activated.

  For details, see the ***Service Company Lock*** section in the BlueEye user manual (*Documentation* > *User Manuals*).

- ### Portal Batch Payment

  Batch payments can be made for multiple sites based on their expiration dates through the *Service Company Portal*. For more information, see the ***Single or Batch Payments*** section in the Dealer Portal user manual (*Documentation* > *User Manuals*).

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. After your phone is connected to the console hotspot, open the BlueEye application and configure the settings mentioned in the following sections.*

To access the Wi-Fi configuration interface via a web browser, use the default IP address: ***http://192.168.180.1****. This address can be used to perform the initial setup or configure Wi-Fi settings through the hotspot.*

To configure the M system, you must:

1. Create the M25 site in the BlueEye application (See the ***Creating an M site*** section in the BlueEye user manual (*Documentation* > *User Manuals*)).
2. Configure the settings in the **Hardware** and **Firmware** tabs in BlueEye.

For details, see the BlueEye user manual (*Documentation* > *User Manuals*).

To configure the M25 settings in the BlueEye app:

1. When in the **Hardware** tab, tap **M25** from the device list.
   On the page that opens, enter the necessary details for the parameters and then tap **Save**.
   For details about each parameter displayed on the page, see Table 3.

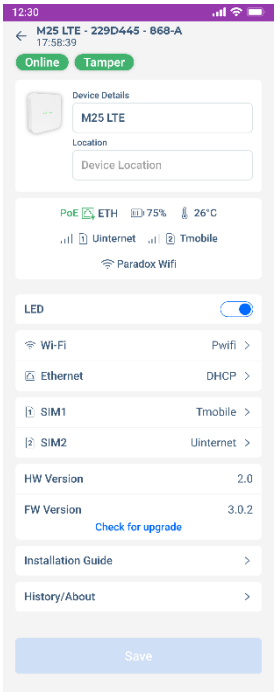


Table 3

Parameter	Description
Zone Label	Enter a name for the zone.
LED	Determines whether the LED indications for the device are enabled or disabled.
Wi-Fi	Configures the panel's Wi-Fi connection. Tap **Wi-Fi** > **Wi-Fi Network >** select a network from the list. If the network name is not listed, you can configure it manually by accessing the default IP address: ***http://192.168.180.1***.
Ethernet	Displays the Ethernet connection details.
SIM1/SIM2	Available only on LTE models. Use this option to configure the APN settings. For details, see the *APN Configuration* section in this manual.

Pairing Wireless Devices with M25

NOTE: *Ensure that all wireless devices that you want to pair with the wireless console are within the range of the console. For details, see the installation manuals of the respective devices.*

To pair a device with the M25 wireless console:

1. In BlueEye, when in the **Hardware** tab, tap **+** on the top right of the page > **Auto learn wireless devices**.
   A rotating radar icon is displayed with a 6-minute countdown. All unpaired devices pair within 6 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, you can trigger the device tamper. A **T** symbol appears on the device tab in the BlueEye application.

For details, see 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.

Configuring Devices

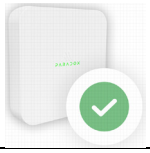
To configure a device:

1. When in the **Hardware** tab, tap the device that you want to configure.
2. Enter the necessary details and tap **Save**.

M25 Event Icons

The following table lists the M25 event icons displayed in the BlueEye application.

Table 4

Event Icons	Description
	M25 Reset
	M25 Firmware Upgrade Completed
	M25 Firmware Upgrade Start
	Tamper Open
	Tamper Close
	Bell Limit/Clock Lost/Communication Failed on M25
	Restore
	Bell Absent on M25

	Time Lost on M25
	Panel Auxiliary Overload on M25
	RF Antenna Cut/GSM No Service/RF Jam on M25
	Backup Available

Upgrading Firmware

To upgrade the firmware version of the console:

1. In the BlueEye application > **Hardware** > tap the console.
2. On the **Device Details** page, scroll down and tap **Check for Upgrade**.
3. 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.*

IMPORTANT: *The firmware upgrade can only be performed when the system is disarmed and PoE is supplied. The important firmware upgrades are done automatically when accessing the site.*

Generating Logs

To generate logs for a console or device:

1. When in the 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 the M site, 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 M25:
   - 868 MHz: +14 dBm
   - 914 MHz: +22 dBm

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 -93 with maximum Tx power are not recommended values, and RPT5M can be used to extend the range.*

Power transmission impacts only **P**:

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

IMPORTANT: All nodes adjust their transmission power to save battery life. The adjustment depends on the surrounding noise level and is updated at intervals set by the supervision timer or during a node status update.

Application Security User Access

To prevent unauthorized application user access, all application users must activate a phone passcode or biometric phone unlock. This ensures that no unauthorized access is possible to BlueEye application.

It is the application user's responsibility to make sure the device and application are locked to prevent unauthorized access.

To enable Biometric Login in BlueEye:

1. Open the **BlueEye** application.
2. Go to Menu  .
3. Tap on **App Settings** > **Biometric Login**.
4. Enable **Unlock with Biometric Login**.
5. Set **Automatically Lock** to **Immediately**.

Once enabled, BlueEye will require authentication each time it is opened, even if your phone is unlocked.

Security and Authentication Policies

To ensure security and protect user identities, the following authentication requirements must be enforced for all users.

Password Requirements

- Minimum length of 12 characters
- Must include:
  - At least one uppercase letter
  - At least one number
  - At least one special character (For example, !, @, #, $ and so on.)
- Must **not**:
  - Be identical to the last three passwords
  - Contain the username
  - Be a valid email address

Password Lockout

The following lockout policy is enforced after incorrect password attempts:

Attempt #	Action
1-5	No lockout
6	5-minute lockout
7	10-minute lockout
8 and more	15-minute lockout

Note: If no failures occur for one hour, the failed attempts counter resets.

Minimum Password Combinations

The minimum number of possible password combinations is calculated as follows:

- **Character set:** 94 printable ASCII characters (26 lowercase, 26 uppercase, 10 digits, and 32 special characters)
- **Requirements:** Must include at least 1 uppercase letter, 1 digit, and 1 special character

- **Password length:** 12 characters
- **Calculation:** 3.41×10^{23}
- **Total combinations:** 341,353,707,225,049,910,476,800

OTP (One-Time Password) Verification

Following successful password entry, users are required to complete OTP verification.

- Sent via the user's registered email
- 6-digit code
- Expires after 5 min (*Based on SHA1 time-based (TOTP) algorithm)

Key Combinations

The system ensures strong protection by combining:

- Passwords
- Biometrics

Password complexity rules are enforced to make them hard to guess or reuse.

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 5

Component	Specifications
Power Supply	PoE (15.4W, 44V – 57V DC)
Power Consumption	Max 100mA (standby and alarm)
Wireless Type	GFSK with frequency and encryption hopping
RF Power	868 MHz band (+14 dBm), 914 MHz band (+22 dBm), coin battery devices limited to +14 dBm.
RF Frequency	868 (865.05 - 867.95) MHz or 914 (902.25 - 927.55) MHz; certain countries may have limited or different frequencies.
Battery	3.7V Lithium-ion battery, 5000 mAh.
Battery Backup Time	26H on Ethernet, 24H on Wi-Fi, 20H on LTE
Operating Temperature	-25°C to +55°C (-13°F to 131°F) Battery charge disabled below 0°C and above +55°C internal temperature
Ethernet/Wi-Fi	Built-in Wi-Fi – 2.4 GHz B/G/N
LTE	Built-in (LTE Model), main channel, or backup.
Users	128; one owner, masters, users, guests, and maintenance.
BlueEye Users Access	Optional, enabled by owner or master per user
JPEGs for User and Partition	Yes, from the gallery or camera
Partitions	10
Bell Output	Only wireless
Total Zones	100
Remotes	128 maximum per system, up to four per user
Wireless Devices	Maximum Number of Nodes: 75 per system Node Type Limits: • K38M maximum of 10

Component	Specifications
	• SR230M/SR250M maximum of 10
Adding Devices	Via auto-learn feature (wireless and Ethernet), QR scan, or manual serial number input for pre-programming
Wireless Repeaters	Maximum of 4 per system. Ethernet or wireless
Programmable Outputs	Up to 48 with wireless expanders; regular, restricted to selected users, or installer-only.
PGM Activation	Controlled by manual activation, schedule, system events, sunset/sunrise, or temperature reading.
PGM Status Verification	PGM status with zone verification and timer-based error display per PGM.
Ethernet Expansion Devices	Up to 45 total: repeaters, keypads, cameras, and access modules
Video Verification	Up to 16 cameras (available soon)
Access Control	Up to 16 doors (available soon)
Arming Options	Stay, Sleep, and Full Arm
Auto Arm	On schedule or no movement For detailed instructions, please refer to the BlueEye User Manual.
Auto Disarm	On schedule, Sleep to Stay, Stay to Disarm
Humidity Range	93% maximum (ULC)
Security Events	1000
Events When the System is Disarmed	1000 (available soon)
Automation Events	1000 (available soon)
Access Events	7500 (available soon)
Installation	By a registered installer with Paradox Company ID (PCI) from BlueEye or Service Company Portal.
Service Company Access	Permanent access or as granted by System Owner.
Service Company Lock	Available. Enables automatically when the Service Company subscribes to the Swan service.
Service Company Portal	Available for all registered Service Companies/Installers with Paradox Company ID (PCI).
Temperature Display and Control	Site and areas temperature display, temperature activation for PGM (cool or heat), custom alerts via push notification and BlueEye message center display.
Cloud Services	Paradox Swan 4G (subscription required)
Reporting	Up to four receivers, two channels with backup. Up to three transmission channels: Ethernet, Wi-Fi, and LTE.
Programming	Via BlueEye application or PC software
Dimensions	12.4W x 12.4H x 3.55D cm (4.89" W x 4.89" H x 1.4" D)
Weight	0.26 Kg
Certifications	CE, EN 50131-3, EN 50131-6, EN 50136-1, EN 50136-2, EN 50131-5-3, FCC 15.247, Security Grade – 2, Environnemental Class – II. M25 – SP4, M25 LTE – DP3 Type of PS – Type A Certification Body: Applica Test & Certification

Statement of Compatibility with Supported RCT(s) and Protocols

The M25 Console supports communication using the Contact ID format exclusively. It is compatible with the IPC10 and VIPC20 for signal transmission. Other Paradox converters may be compatible, please check instruction manuals.

Signals from IPC10/VIPC20 can be transmitted reliably to CMS receivers that support one of the following protocols:

- MLR2-DG
- Ademco 685
- Ademco CID-TCP

Encryption Standard and Security Measures

The M25 Wireless Console implements AES-256 encryption to ensure secure communication and data protection. AES-256 provides a high level of cryptographic security, mitigating the risks of unauthorized data access and tampering. Additionally, AES-128 encryption is supported for backward compatibility when necessary.

For data transport security, the module supports a variety of TLS cipher suites (for example, TLS_ECDHE_ECDSA_WITH_AES_256_CBC_SHA), enabling robust and flexible encryption negotiation between the module and connected devices.

The AES encryption used in the M25 Wireless Console adheres to widely accepted cryptographic standards, ensuring secure communication and protection against unauthorized data access and modification.

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 of 20cm between the radiator and your body.

FCC ID: KDYM25
IC: 2438A-M25

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

IC Statements

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's license-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 20 cm 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.

Updates to Previous Releases

The following features and enhancements were introduced in previous firmware releases of the M25:

Firmware Version	Release Date	What's new in this release
V1.20.023	3 September 2025	• Support for new devices (RPT5M, DCT6M, PGM4M) • Panic feature (for K38M -with 48 zones only) • Key Switch Arm/Disarm support • PGM follows siren • Alarm in memory acknowledgement in keypads and application • Installer can configure **Users and Remotes** even before Owner invitation. • Bug fixes/improvements
V1.12.005	23 June 2025	• PGM treatment and other significant improvements.
V1.11.008	6 June 2025	• Support of the LTE module • Bug fixes

Patents

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