



OPERATION MANUAL

InterLINX[®] LITE SMS/IoT Communicator

V1

FPC-30127-XX

INTRODUCTION

The InterLINX[®] LITE is a compact, high-performance wireless communicator designed to deliver reliable alarm reporting, remote control, and monitoring functions over the 4G cellular network. Engineered for modern security and automation applications, it provides seamless SMS alarm transmission and integrates directly with the Propitect platform for enhanced visibility and device management.

Despite its small footprint, the InterLINX[®] LITE offers powerful communication capabilities, making it an ideal solution for installations where space is limited or where traditional wired communication is impractical. Its robust design and straightforward connectivity ensure dependable operation across a wide range of environments, while its versatile input and output options allow it to support diverse system configurations.

This manual provides detailed instructions on installation, configuration, and operation to help ensure optimal performance and long-term reliability of the InterLINX[®] LITE device.

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SAFETY

This SMS alarm sender panel has been designed and built for applications that are Commercial and/or Industrial in nature, operation, function and location. If the control panel is to be used in Domestic/Residential applications, where specific Wiring Rules in respect of 'electrical supply' protection may apply, it is the responsibility of the installing electrician to ensure compliance with relevant standards.

- Prior to installation, ensure power supply is isolated.
- Electrical connection to the panel must be carried out in accordance with the following pages.
- Additions or modifications to the control panel are not permitted and will void warranty.
- The controller is not intended for use by children or infirm persons without supervision.
- Repairs to the controller must only be carried out by a suitably qualified electrician.



This manual makes use of the following symbols to indicate warnings that must be paid specific attention to



Damage to equipment or personal harm may occur if this instruction is not followed

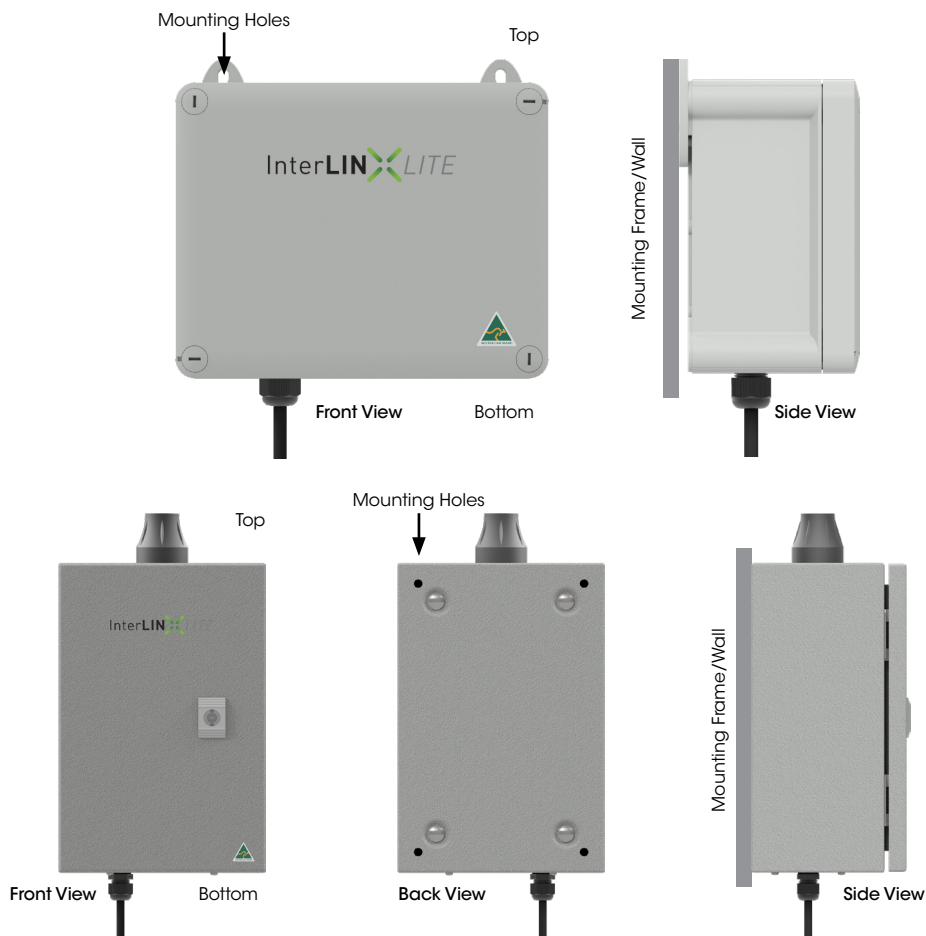


Electrical risk (electrocution hazard) may occur if this instruction is not followed

INSTALLATIONS



- InterLINX[®] LITE must be installed in a position where mobile reception is available.
- InterLINX[®] LITE enclosure must be mounted in a vertical position.
- Ensure mounting method does not compromise enclosure weatherproof rating.
- Ensure cables/conduits entering the panel have mechanical protection and that the penetrations are sealed and do not compromise the weatherproof rating of the enclosure.



SPECIFICATIONS

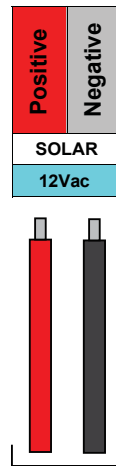
Power supply	8-24Vdc, Max Continuous current draw of 310mA @ 12V and 160mA @ 24V
Operating Conditions	-20°C to 50°C, IP20
Enclosure	95x45x32mm DIN rail mount ABS enclosure
Digital inputs	2x digital inputs. Either 2 of which can be programmed as a Pulse Input Trigger voltage 2.5Vdc, Input impedance 2400Ω
Outputs	1x Change over relay Rated load 1A@24Vac/dc
Cellular connection	4G LTE CAT-1 on Frequency Bands 1, 3 and 28 External GSM Stub Antenna connected using SMA jack (female pin) Externally accessible Micro SIM card SMS
Wi-Fi Hotspot	802.11 b/g/n, 2.4GHz, supports WAP, WPA2, WPA-3, including WPA3 open password free encryption
Configuration	Via Configuration Portal or cellular SMS

CONNECTIONS

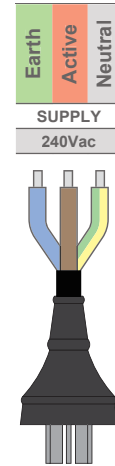


MAINS TERMINAL CONNECTIONS

- The 230Vac power lead (Non-Solar models only) is supplied terminated to the DIN rail mains terminals
- The 24Vdc Power supply terminals (Solar model only) will require the solar panel leads terminated on site



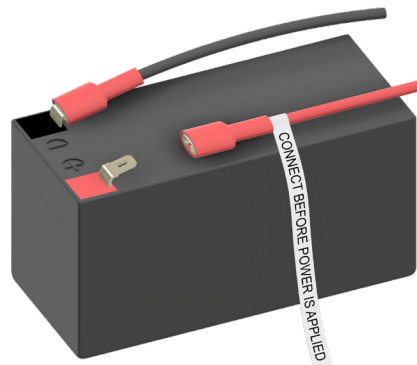
Solar Panel



Power supply lead connect to RCD Protected GPO

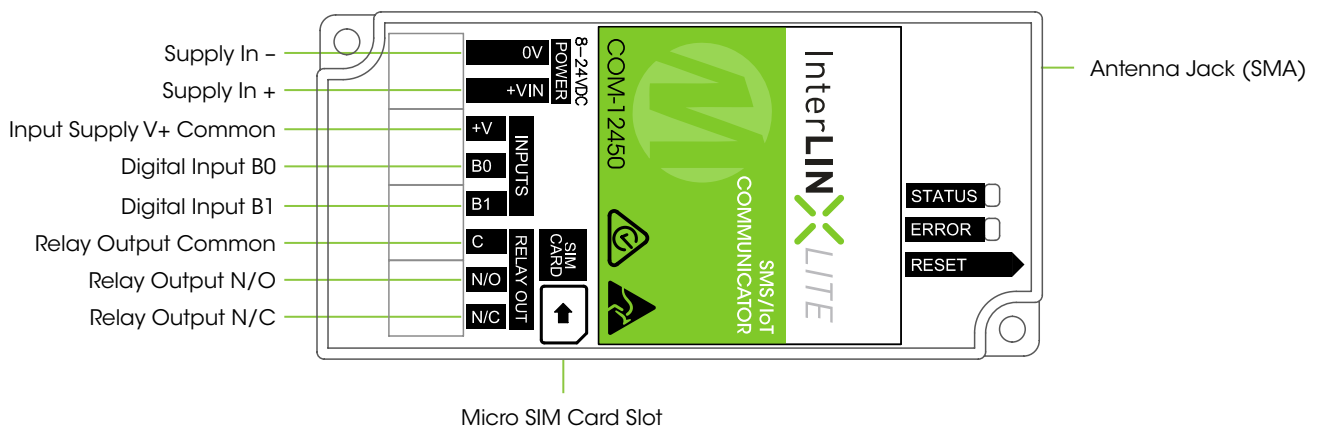
BATTERY CONNECTIONS (SOLAR MODEL ONLY)

For the FPC-30127-SOLAR model only, the internal batteries must be connected after all installation of the solar panel is completed. This will require the wire with the label "CONNECT TO ACTIVATE AFTER SOLAR PANEL INSTALLED" be connected to power the module.



InterLINX[®] LITE MODULE CONNECTIONS

- The 12/24Vdc power supply connection is supplied already terminated
- The 12Vdc digital input alarm connection must use external volt-free switches for activation
- The relay output change over switch needs to be wired to a maximum load of 1amp @ 24Vac/dc
- The antenna SMA jack will be supplied with either a local stub or enclosure mounted antenna



HARDWARE FEATURES

ENCLOSURES

The InterLINX[®] LITE wireless communicator is available in two enclosure options to suit a wide range of installation environments. Both enclosure types provide secure housing for the device while ensuring reliable operation and protection against dust, moisture, and mechanical impact. There is two standard range of enclosures that are offered.

Poly IP55 Indoor Enclosure (FPC-30127-PE)

The polypropylene IP55-rated enclosure is designed for indoor installations where durability and ease of access are required

Powder-Coated Metal IP65 Outdoor Enclosure (FPC-30127-ME)

The powder-coated metal IP65-rated enclosure is engineered for outdoor and industrial applications that require higher levels of environmental protection.

POWER SUPPLY

FPC-30127-XX (230Vac)

The FPC-30127 InterLINX[®] LITE is supplied complete with a 1.5mtr long, 10amp, 230Vac supply lead with plug. This enables a simple connection to a standard GPO.

FPC-30127-SOLAR (24Vdc)

The FPC-30127-SOLAR InterLINX[®] LITE is designed with internal batteries and loose supply of a 40 Watt solar panel to provide a constant 24Vdc supply. There is loose 5mtr connection cable tails for fitting to the panel once installed.

ANTENNAS

The FPC-30127-PE InterLINX[®] LITE is supplied complete with a local module mounted 40mm stub 4G LTE antenna.

The FPC-30127-ME and FPC-30127-SOLAR InterLINX[®] LITE is supplied with a top mounted low profile vandal and weather resistant 4G LTE antenna.

DIGITAL INPUTS

The InterLINX[®] LITE features 2 digital inputs (B0 & B1), which may be used to trigger alarm messages over SMS/IoT. The inputs will send a message on high (ON) and low (OFF) states with the alarm active direction selectable via the notify direction setting. The input high (ON) trigger voltage is 2.5Vdc and input impedance is 2400Ω. The digital alarm messages can be configured via SMS commands (SMS mode only), via the Configuration Portal or via the Propitect[®] Portal (IoT mode only)

DIGITAL RELAY OUTPUT

The InterLINX[®] LITE features 1 change over relay output, rated to 1A at 24Vac/dc, which can be remotely controlled via SMS message to enable or disable pumps or systems. The digital outputs can be controlled with a user programmed title relevant to the function they are performing. They are controlled by sending this user programmed title, followed by the ON or OFF command. The output will remain in the set state until changed. Timers can also be configured to turn the relay off after a set time. The relay outputs can be configured by SMS commands (SMS mode only), via the Configuration Portal or via the Propitect[®] Portal (IoT mode only)

PULSE COUNTER INPUTS

The InterLINX[®] LITE features 2 pulse counter inputs that can be assigned to either unused digital input (B0 & B1). Pulse inputs are commonly used to calculate flowrate or flow volume and raise alarm notifications based on threshold levels. These inputs and associated messages can only be configured via the Configuration Portal or via the Propitect[®] Portal (IoT mode only).

RESET BUTTON

The button located at the top end of the InterLINX[®] LITE Communication device is used for a system restart or factory reset the module. Press and hold this button for 3 seconds to perform a system restart. Press and hold this button for 30 seconds to perform a factory reset. After either reset function, the green and red indicator lights will be illuminated for 2 seconds to indicate that the InterLINX[®] LITE is restarting.

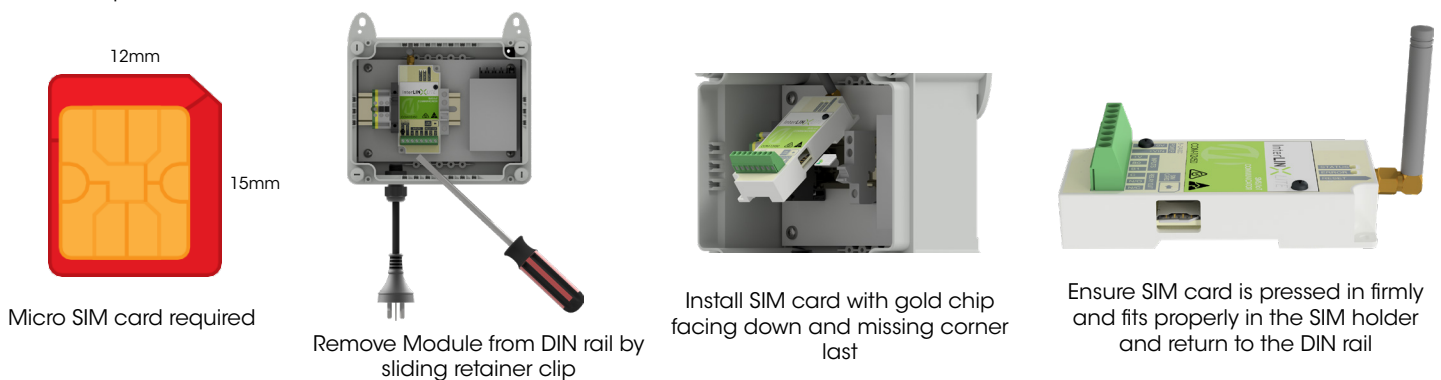
****Any changes that have been made will be lost as the unit returns to default after a factory reset.***

SIM CARD INSTALLATION



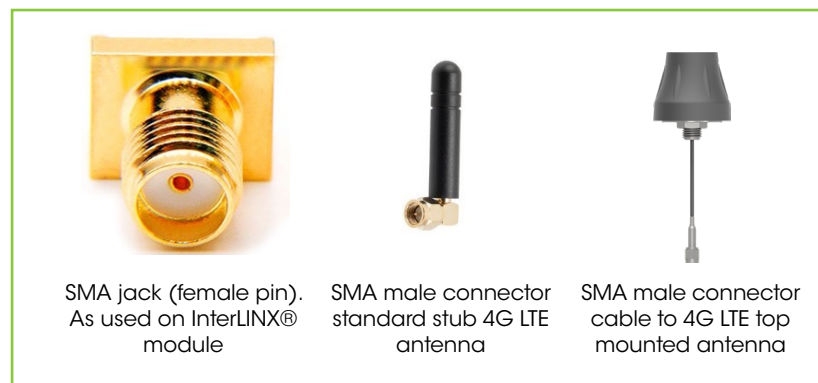
The InterLINX[®] LITE takes a Micro SIM card which must be from a network operator who offers 4G LTE. The SIM card can be pre-paid or post-paid but must be a standard mobile plan with Data and SMS allowance (Not an IoT data plan SIM)

1. Ensure power to the module is OFF.
2. Firstly, ensure that the SIM card is activated with credit and ready to send text messages. Also, ensure that the SIM PIN is disabled.
3. Remove the InterLINX[®] LITE module from the DIN rail by releasing the clip at the base as shown.
4. Insert the SIM card with the chip gold plate facing down and the missing corner to be inserted in last. See pictures below.
5. The SIM needs to be pushed in firmly until you feel a soft "click" from the spring mechanism. Release pressure and confirm the card remains locked in place.
6. To remove the SIM, gently press the SIM card further into the slot until you feel a "click". Release your finger and the spring mechanism will push the SIM card outward slightly to allow it to be removed.
7. Replace the InterLINX[®] LITE module back onto the DIN rail.



ANTENNA INFORMATION

The InterLINX[®] LITE uses a 4G LTE mobile module which is suitable for both SMS and IoT on the standard 4G LTE mobile network. The standard antenna installed on the FPC-30127-PE is a 4G LTE 700-2700 MHz, 40mm stub which is connected via an SMA port. The InterLINX[®] LITE has a female SMA connector for the top mounted low profile antenna standard on the FPC-30127-ME and FPC-30127-SOLAR to provide better reception.



INSTALLATION LOCATION

The InterLINX[®] LITE must be installed in a position where 4G LTE mobile reception is available. If the control panel is installed in a location where there is no signal strength, such as a building basement, an external high gain antenna can be connected to the InterLINX[®] LITE module instead of the standard stub antenna. Generally, the maximum cable length for external antennas is 20m. If greater than this distance is required, the InterLINX[®] LITE should be located closer to a suitable signal strength, with the signal cables running further to the location of the monitored control system.

MAINS/SOLAR POWERUP

Close and secure enclosure door, plug in power lead to GPO or connect leads to solar panel. Switch on power supply.

TESTING MOBILE CONNECTION

The InterLINX[®] LITE is tested and programmed by connecting to the Configuration Portal and to the cellular 4G network. Check the controller's indicator lights to ensure that power is on and SIM card is connected to mobile network.

Once connection has been achieved, the signal strength and performance of the antenna can be checked using the Configuration Portal or when connected to the Propitect[®] Portal in IoT mode.

LINKS/STATUS INDICATION



Indicates the device is energized.



Indicates the network status



Indicates the status or error

Status	Error	Description	Function	Cause	Remedy
○	○	Green Off, Red Off	Device off	No power to InterLINX [®] LITE module	Check power supply
☀	☀	Green Flashing, Red 1 Flash	Network connected, sending SMS	N/A	N/A
○	●	Green Off, Red Solid	Hardware fault	See hardware fault diagnosis section	Try a power cycle by holding the reset button for 3secs. Refer Hardware Fault Chart below
○	☀	Green Off, Red 1 Flash	Connecting, searching for mobile network	Wait for network connection search to finish	Long periods of trying to connect could be a result of poor network signal. Check the network signal strength by connecting to WiFi Hotspot and in the "System Status" there is a parameter called Network Signal Strength. This should be less than -90dBi
○	☀☀	Green Off, Red 2 Flashes	Network connection failed	Check the SIM card is activated and has credit	Try another SIM card to check operation
○	☀☀☀	Green Off, Red 3 Flashes	Network not found/ Poor signal strength	Check antenna connection and mobile signal at device.	Check the network signal strength by connecting to WiFi Hotspot and in the "System Status" there is a parameter called Network Signal Strength. This should be less than -90dBi
○	☀☀☀☀	Green Off, Red 4 Flashes	Network found but forbidden access	Check SIM is compatible, and SIM is active and has credit (Only 4G LTE networks are currently valid)	Try another SIM card to check operation
○	☀☀☀☀☀	Green Off, Red 5 Flashes	Failed to check for received or sent SMS	Check that SIM is still installed, active and has credit	Try another SIM card to check operation
○	☀☀☀☀☀☀	Green Off, Red 6 Flashes	SIM card not detected	Install or reinstall Micro SIM card and check installation orientation	Try another SIM card to check operation
○	☀☀☀☀☀☀☀	Green Off, Red 7 Flashes	SIM card needs PIN	Disable the SIM pin before retrying connection	Try another SIM card to check operation
○	☀	Continuous Flashing	OTA Update Downloading	Allow firmware update to finish downloading	If this remains in this state for more than 10mins, power cycle the module
●	●	Green Solid, Red Solid	Device initial start-up	Allow device to finish booting up	If this remains in this state for more than 10mins, power cycle the module
☀	○	Green 1 Flash, Red Off	LTE Data Mode - Idle	Connected and available to send data (IoT) over cellular network	N/A
☀	☀	Green 1 Flash, Red Flashing	LTE Data Mode - Activity	Connected and sending data (IoT) over cellular network	N/A
☀☀	○	Green 2 Flash, Red Off	SMS Mode - Idle	Connected and available to send SMS over cellular network	N/A
☀☀	☀	Green 2 Flash, Red Flashing	SMS Mode - Activity	Connected and sending SMS over cellular network	N/A
☀☀☀☀	○	Green 4 Flash, Red Off	Wi-Fi Hotspot Mode (Connected) - Idle	Connected and available to communicate on Wi-Fi Hotspot	N/A
☀☀☀☀	☀	Green 4 Flash, Red Flashing	Wi-Fi Hotspot Mode (Connected) - Activity	Allow device to finish activity	N/A

HARDWARE FAULTS

There is a list of hardware faults that are displayed under Hardware Faults on the System Status Page. The below table identifies A RED indicator light on the PCB Board will illuminate if a hardware fault is logged by the InterLINK LITE system. The system will also log a description of the fault/s under the Hardware Faults heading when connected to the device over WiFi hotspot. The Hardware Fault is found in the System Status Tab of the WiFi hotspot. Below is a Troubleshooting guide for faults that are recorded:

Fault	Cause	Remedy
WRONG_PIC_VERSION	The InterLINX® LITE board contains a PIC microcontroller that manages temperature, LEDs and Analog current readings. The WRONG_PIC_VERSION fault indicates the PIC controller is faulty.	Need a possible replacement of the module or update of firmware which could be done OTA (over the air). Contact Technical Support on 1800 281 282 for assistance
I2C_WRITE_FAILURE I2C_READ_FAILURE	These error codes indicate a communication error between the internal processors.	Need a possible replacement of the module or update of firmware which could be done OTA (over the air) Contact Technical Support on 1800 281 282 for assistance
VIN_LOW VCC_LOW	These error codes indicate that the internal voltages are too low. Ensure the supply voltage available is above 8Vdc.	Ensure the voltage supply to the InterLINX® LITE is close to a minimum of 12Vdc for optimum performance. Contact Technical Support on 1800 281 282 for assistance.
AUTH_TOKEN_MISSING	This is a result of a Device Error.	Module will need to be replaced. Contact Technical Support on 1800 281 282 assistance
PROVISIONING_MOUNT_FAIL	This is a result of a Device Error.	Module will need to be replaced. Contact Technical Support on 1800 281 282 assistance
LFS_MOUNT_FAIL	This error is a result of a faulty microcontroller. Note that some settings may have been reset to factory defaults.	Try restarting the device. If the issue persists, try a factory reset. If still present, module will need replacing. Contact Technical Support on 1800 281 282
NETWORK_TIME_SYNC_FAIL	This error occurs if the SIM card is not inserted or connected.	Ensure that the SIM card is inserted into the device in the correct orientation. Try another SIM card to check for operation
SYSTEM_BROWNOUT	The system restarted because of low power.	Check that all power connections to the device are in good order and securely connected.
TASK_WATCHDOG_TRIGGERED	The InterLINX® LITE system restarted from the lock-up state.	Contact Technical Support on 1800 281 282 for assistance if fault remains after a power cycle
SYSTEM_WATCHDOG_TRIGGERED	The InterLINX® LITE system restarted from the lock-up state.	Contact Technical Support on 1800 281 282 for assistance if fault remains after a power cycle
SYSTEM_CRASHED	This error occurred due to a system crash, which may be caused due to several issues. These include a firmware bug or saving a web page when a previous request is still in progress.	Try restarting the device first. If fault remains, an update of firmware OTA could be applied. If fault reappears, contact technical support on 1800 281 282 for assistance.
LFS_OLD_CONFIG_WAS_DELETED	System restart from the lock-up state after an over-the-air firmware update. This error will occur if the updated firmware is faulty	Try restarting the device first. If fault remains, an update of firmware OTA could be applied. If fault reappears, contact technical support on 1800 281 282 for assistance.

CONNECTIVITY

The InterLINX[®] LITE communication device has two connectivity modes;

- Wi-Fi Hotspot mode for configuration
- 4G LTE Cellular mode for SMS and Propitect[®] communication

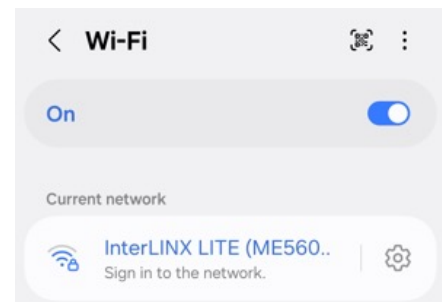
WI-FI HOTSPOT MODE

Whilst a degree of configuration can be achieved using the SMS configuration commands, more extensive and advanced configuration is achieved using the Configuration Portal by connecting in Hotspot mode.

Factory default is for the Hotspot to appear in the list of scanned Wi-Fi networks on a smartphone when within range (as shown in the image). The reset button on the InterLINX[®] LITE can be used to toggle on the Hotspot signal should it have turned off on a time out.

The default password to access the Hotspot is "Matelec20"

Your smartphone should automatically open the Configuration Portal once signed into the hotspot network. If it does not open automatically, please select a new web page and type in "InterLINX[®].local" to open the Configuration Portal.



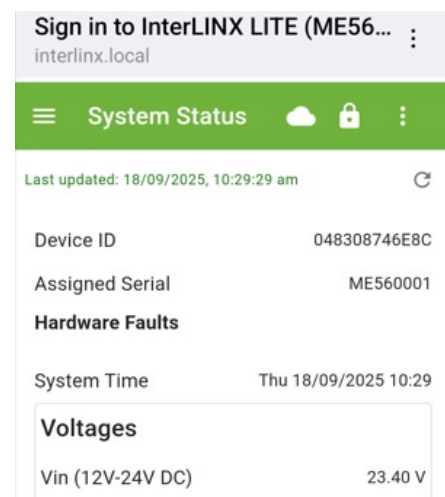
CONFIGURATION PORTAL

At every power-up, the device Configuration Portal is locked for view only. To unlock and gain access to change settings, click on the lock icon in the top right corner of the portal screen and enter the correct password.

The default password to unlock the settings is "LINX2025". Once unlocked, you can change this password to something of your choice by accessing the drop-down menu in the top right corner of the portal screen and selecting "Change Password".

Important: A forgotten password can only be reset by contacting MATElec Australia.

The settings will automatically lock after 10 minutes of unlocking, or this can be manually locked by clicking on the lock icon.



OPERATIONS MENU

The options menu is presented at the top right corner of the Configuration Portal.

Download Report	This will download a report of all current settings and status information into a HTML file for filing or printing.
Save Settings	This saves all configuration settings into a .json file.
Load Settings	This loads all settings from a previously saved .json file.
Reboot	Restarts the device. After reboot is activated, wait for the system to restart and reconnect to the webpage. The system restart can also be performed by using #restart SMS command.
Test SMS	This option can be used to test communication with the SIM card and cellular network.
Change Password	Change the password used to unlock the configuration portal.
Factory Reset	This restores the device to the factory settings. The factory reset can be performed either by selecting this option or by pressing the "reset button" for 30 seconds. Once the device is reset, the device will be restarted.
Advanced Settings	<p>This will display a pop-up with firmware version details, over the air updates and update from file.</p> <p>Downloading updates from file: Click the "Upload update from file" and load the bin file to load new firmware. Wait for firmware download to finish, before reconnecting to the webpage. This bin file will need to be provided by MATElec Australia</p> <p>Downloading updates from web address: OTA (Over The Air) update can be done from web page by entering the <url> provided by MATElec Australia in the space provided and clicking the download button. *Note that the sim card should have data enabled before downloading new firmware.</p> <p><i>*Note that the configuration portal may be unresponsive when OTA updates are in progress. The duration of OTA updates may vary, depending on the Wi-Fi or Mobile network, and may take several minutes to complete.</i></p>

SYSTEM STATUS PAGE

This page contains the basic device, modem and SIM card related information, along with any hardware fault information.

Device ID and Assigned Serial	These are unique codes assigned to each InterLINX [®] LITE device and are used to identify a particular device.																																
Hardware Faults	This will list any current hardware faults. See the table on page 7 for more information.																																
System Time	After the system is powered on, the Time is derived from the connected mobile Network. Once the time is updated, the system uses an internal RTC to get the current time. If the system is powered up and device is not connected to Internet or SIM card is not inserted, the System Time will display 'Not Set'.																																
Voltages	This section will list the external supply voltages and any other internal voltages that are monitored.																																
4G LTE	<p>This field gives the modem status and the sim card connection information.</p> <table border="1"> <thead> <tr> <th>Modern State</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Starting up</td> <td>System not yet initialized.</td> </tr> <tr> <td>Modem not connected</td> <td>Modem is not connected.</td> </tr> <tr> <td>Searching for network</td> <td>Connecting to Network.</td> </tr> <tr> <td>Connected OK</td> <td>Network connected.</td> </tr> <tr> <td>Cannot Register on Network</td> <td>Indicates the mobile network operator is available, but sim is not registered.</td> </tr> <tr> <td>No Networks found</td> <td>No mobile network operator is found</td> </tr> <tr> <td>Network forbidden</td> <td>Possible reasons: connecting to unauthorized networks, roaming restrictions, service limitations, device locking or device compatibility.</td> </tr> <tr> <td>No SIM Card</td> <td>Sim card is not inserted/ detected. Reconnect the card.</td> </tr> <tr> <td>Sim card Needs pin</td> <td>Sim card is locked. It needs has a pin enabled.</td> </tr> <tr> <td>Cannot send SMS Cannot read SMS</td> <td>Failed to send messages. System will try to reconnect to modem and try again. This error can occur if the network operator is unresponsive or if there is insufficient message balance on the SIM card.</td> </tr> <tr> <td>Cannot use data</td> <td>Data is required when for OTA updates when connected in SMS mode. If the sim card has not data, the error will happen.</td> </tr> <tr> <td>Receive SMS</td> <td>System OK</td> </tr> <tr> <td>Send SMS</td> <td>System OK</td> </tr> <tr> <td>Data Activity</td> <td>System OK</td> </tr> <tr> <td>Unknown</td> <td>Unknown State</td> </tr> </tbody> </table>	Modern State	Description	Starting up	System not yet initialized.	Modem not connected	Modem is not connected.	Searching for network	Connecting to Network.	Connected OK	Network connected.	Cannot Register on Network	Indicates the mobile network operator is available, but sim is not registered.	No Networks found	No mobile network operator is found	Network forbidden	Possible reasons: connecting to unauthorized networks, roaming restrictions, service limitations, device locking or device compatibility.	No SIM Card	Sim card is not inserted/ detected. Reconnect the card.	Sim card Needs pin	Sim card is locked. It needs has a pin enabled.	Cannot send SMS Cannot read SMS	Failed to send messages. System will try to reconnect to modem and try again. This error can occur if the network operator is unresponsive or if there is insufficient message balance on the SIM card.	Cannot use data	Data is required when for OTA updates when connected in SMS mode. If the sim card has not data, the error will happen.	Receive SMS	System OK	Send SMS	System OK	Data Activity	System OK	Unknown	Unknown State
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Data Activity	System OK																																
Unknown	Unknown State																																
SMS	This section will list the Next Test Message Time, Test Message enabled/disabled, Daily SMS Limit, Time Limit Resets, Daily SMS Queue and Total SMS sent. SMS status information – Refer SMS CONFIGURATION section for further details.																																

IO STATUS PAGE

This page shows the status of the external inputs and output connected to the InterLINX[®] LITE Module.

Digital Readings (B0-B1)	Status of the digital inputs OFF or ON.
Relay Output (C0)	Status of the relay output OFF or ON.
Pulse Counter (PC0-PC1)	The status of the pulse rate and the total pulses read on each pulse counters.
Analog Channels (1 - 4)	The status of each analog channel source and scaled reading

SYSTEM CONFIGURATION PAGE

This page provides details on the identification, time zone, communication activation and access.

All system configuration changes need the device settings to be unlocked to allow these changes.

Device Title	When sending the Alarm SMS messages, Device Title is added at the start of each message. Default title is InterLINX [®] LITE. This can be changed to a title of choice if the device settings are unlocked
Use Manual Timezone	The time zone is by default set via Cellular network. To enable manual time zone, click Enable and set the zone.
Enable IoT	To be able to enable or disable IoT connection to Propitector [®] Portal. <i>If IoT is enabled simultaneously with SMS function, delays of alarms messages and command responses will occur</i>
Enable SMS	To be able to enable or disable SMS messaging
SMS command Pin and SMS command Pin Lock Enable	Both of these parameters can be used to set SMS lock. The default SMS command pin is 1234 . If the SMS command Pin Lock is enabled or #lock enable <pin> message is sent, the device will be in locked state, which means that it will not accept SMS commands other than an unlock command. Sending the #unlock message (with PIN) will disable the lock for 300 seconds. To completely remove the lock, either uncheck the SMS command Pin Lock Enable or send #unlock <pin> message. A new pin can be set using #pin <current pin> <new pin> message or SMS Command Pin setting. Refer UNLOCK, LOCK and CHANGE_PIN in the SMS COMMANDS table for more information.
Cellular Configuration	Used to change the mobile network manually. This setting requires a system restart to take effect.

WI-FI HOTSPOT CONFIGURATION PAGE

This page provides information and settings for the Wi-Fi Hotspot connection

Apply Hotspot Configuration settings immediately	Checking this box will allow any changes to the Hotspot Name or Password to take effect immediately after activating the save button. This will cause a reboot of the hotspot
Hotspot Name (SSID)	This is the Wi-Fi Hotspot name (default is InterLINX [®] WiFi ME56XXXX, where the XXXX is the serial number). This can be changed to a title of choice.
Hotspot Password	Password for Hotspot access. The default Password is "Matelec20" . This can be changed to a password of your choice. Important: if the hotspot password is forgotten then the only way to recover will be to perform a factory reset, which will also reset all other settings.
Hotspot timeout and Timeout Enable	This function is not enabled by default. To configure a hotspot signal timeout, tick the check box and select the timeout period. If there are no active Wi-Fi connections for the specified timeout, the hotspot will be disabled.
Start Hotspot during power on	This setting determines whether the hotspot should be activated at power on (the default behavior). If the setting is disabled, the user needs to manually press the reset button on the InterLINX [®] LITE board to enable the hotspot.

SMS NOTIFICATION CONFIGURATION PAGE

This page is used to set the below SMS notification settings.

All SMS Configuration changes need the device settings to be unlocked to allow these changes.

<p>Test Message</p>	<p>To send a periodic test message, use Enable Test message, Test message interval and Test Message List fields.</p> <p>The test message can also be sent using SMS command: #test msg on <days></p> <p>To check if test message is enabled: #test msg?</p> <p>To disable test message: #test msg off</p> <p>Use #test msg to all or #test msg to <slots> to send test message to all or only to the slots. Example #test msg to 1</p> <p>Refer TEST_MESSAGE in the SMS COMMANDS table for more information.</p>
<p>SMS Limit</p>	<p>Limit the number of messages that can be sent each calendar day. This feature can be enabled or disabled using "Enable SMS Limit" option or by using below SMS commands.</p> <p>Get the current limit: #limit?</p> <p>Set new limit: #limit <new limit></p> <p>Turn off limit: #limit off</p> <p>Reset today's limit: #limit reset</p> <p>Refer SMS_MESSAGE_LIMIT in the SMS COMMANDS table for more information.</p>
<p>SMS Responses</p>	<p>To select if an SMS message response is required to confirm the completion of a task</p> <p>To enable this feature remotely, an SMS command can be sent: #smsresponses enable</p> <p>To disable this feature remotely, an SMS command can be sent: #smsresponses disable</p> <p>This feature needs to be enabled to receive any response from an SMS command or alarm. It also needs to be enabled to send a test SMS message from the device</p> <p>Refer SMS_RESPONSES in the SMS COMMANDS table for more information</p>
<p>SMS Phonebook</p>	<p>The InterLINX[®] phonebook contains a maximum of 10 slots, to which alarms will be sent to. The phone number for each slot can be either specified by entering the phone number into the SMS Phonebook fields or by sending below SMS.</p> <p>List all the phone numbers: #num ?</p> <p>Add a phone number to a slot: #num add <slot> <phone number></p> <p>Delete a slot: #num del <slot></p> <p>Refer PHONEBOOK in the SMS COMMANDS table for more information.</p>

SMS REMINDERS PAGE

This page allows the selection of SMS reminders for Digital status, Analog Status and Relay Status to be sent to selected phone numbers once per day at a common chosen time.

All SMS Reminder changes need the device settings to be unlocked to allow these changes.

<p>SMS Info Reminder</p>	<p>If Enable Info SMS Reminders option is selected, all information available on command #info? will be sent once every day at the specified time of day.</p> <p>Reminders can also be set by sending command: #remindinfo on</p> <p>To check if reminder info is on, send command: #remindinfo?</p> <p>To disable reminder info, send command: #remindinfo off</p> <p>To set a time for all reminders to be sent, select the "Time of Day" time options or send command: #remind on <hour></p> <p>(<hour> is hours of day to send reminders. 24-Hour time notation I.e. 8=8am, 20=8pm)</p>
<p>Digital Status Reminders</p>	<p>If Enable Digital Status Reminders option is selected, you can select the remind type to "Active" or "All" to be sent once every day at the specified time of day.</p> <p>Reminders can also be set by sending command: #reminddigital on</p> <p>To check if reminder info is on, send command: #reminddigital?</p> <p>To disable reminder info, send command: #reminddigital off</p> <p>To set a time for all reminders to be sent, select the "Time of Day" time options or send command: #remind on <hour></p> <p>(<hour> is hours of day to send reminders. 24-Hour time notation I.e. 8=8am, 20=8pm)</p>
<p>Analog Status Reminders</p>	<p>If Enable Analog Status Reminders option is selected, you can select the remind type to "Active" or "All" to be sent once every day at the specified time of day.</p> <p>Reminders can also be set by sending command: #remindanalog on</p> <p>To check if reminder info is on, send command: #remindanalog?</p> <p>To disable reminder info, send command: #remindanalog off</p> <p>To set a time for all reminders to be sent, select the "Time of Day" time options or send command: #remind on <hour></p> <p>(<hour> is hours of day to send reminders. 24-Hour time notation I.e. 8=8am, 20=8pm)</p>
<p>Relay Status Reminders</p>	<p>If Enable Relay Status Reminders option is selected, all relay status information will be sent once every day at the specified time of day.</p> <p>Reminders can also be set by sending command: #remindrelay on</p> <p>To check if reminder info is on, send command: #remindrelay?</p> <p>To disable reminder info, send command: #remindrelay off</p> <p>To set a time for all reminders to be sent, select the "Time of Day" time options or send command: #remind on <hour></p> <p>(<hour> is hours of day to send reminders. 24-Hour time notation I.e. 8=8am, 20=8pm)</p>

DIGITAL ALARM CONFIGURATION PAGE

The InterLINX[®] LITE has 2 digital inputs (B0 & B1) which can be used to trigger alarms. To view the status of all the digital alarms, send #inputs? SMS command at any time.

All Digital Alarm Configuration changes need the device settings to be unlocked to allow these changes.

Relay Control	If this option is enabled, the digital input can be configured to activate the relay output. The relay timer must be disabled to allow this function to operate.
Relay Trigger Input Direction	This option is used to select when the relay is activated by the digital input state If the Relay Trigger Input Direction is set to 'Off', the relay output will be triggered when the digital input goes from ON state to OFF state If the Relay Trigger Input Direction is set to 'On', the relay output will be triggered when the digital input goes from OFF state to ON state
Enable Alarm	If this option is enabled, the digital alarm can be configured.
Alarm Trigger Direction	This option is used to select the alarm activation direction. If the Alarm Trigger Direction is set as 'Off', the alarm will be triggered when the digital input goes from ON state to Off state. If the Alarm Trigger Direction is set as 'On', the alarm will be triggered when the digital input goes from Off state to ON state.
Alarm Activated Message	The text entered in this field is added to each of the Activation messages.
Alarm Deactivated Message	The text entered in this field is added to each of the deactivation messages.
Alarm Activation/Deactivation Delay	This delay ensures that no false alarms are sent when activating or deactivating the alarm state. Enter the delay value of choice in seconds to both alarm activate delay and alarm deactivate delay fields
SMS Notify List	By default, this field contains the all the list of all the available phone numbers, which are configured from SMS Phonebook section. However, the phone numbers for each analog alarms can be deleted in this field, to send analog alarms to specific recipients.

PULSE COUNTER PAGE

The InterLINX[®] LITE has 2 pulse counters – PC0 and PC1. Pulse counting is an alternative function of each of the digital inputs. If the digital input is used as a pulse counter, then disable the digital alarm of the digital input to stop receiving false alarms. The pulse counters are designed to be used to calculate the flow/pulse rate (of water flow) and trigger alarm notifications based on the threshold levels

If configured, the pulse counter will read the number of pulses per second/minute from the digital input. This pulse is used to calculate the flow rate based on the below configured pulse counter settings.

All Pulse Counter changes need the device settings to be unlocked to allow these changes.

Name of Pulse Counter	This is the name given to the pulse counter and is default as "Pulse Counter 1" and "Pulse Counter 2". These can be changed to a title of choice if the device settings are unlocked.
Pulse Counter Input	Either of the 2 digital Inputs can be used as the Pulse Counter Inputs. Note that selecting the Digital Input has no effect until Analog Source in Analog Alarms page is selected as 'Pulse Counter Input'.
Pulse Counter Volume (Volume/ Pulse)	Is the amount of water flowing per each pulse. The value should be entered in this field and the pulse counter units should be specified.
Pulse Counter Units	Litres/Sec or Litres/min
Log Pulse Total	Check the box to allow the pulse counter to log totals.

Flow rate calculation:

1. Pulses/sec => Computed at the Digital Input
2. Volume/ Pulse => Entered in 'Pulse Counter Volume' setting.
3. Flow rate = (Volume/Pulse) * (Pulses/sec)

Based on the calculated Flow rate, follow the below steps and Analog Alarms page to configure Pulse Counter Alarms.

Steps to Activate Pulse Counter Alarms:

1. Configure 'Pulse Counter Input' in Pulse Counters webpage. Enter Volume/Pulse and select Units.
2. Go to Analog Alarms page and select "Analog Source" as "InterLINX[®] Pulse Counter 1/2".
3. Enter the Maximum Pulse Counter Flow rate in the Scale input section.
4. Configure High Threshold Alarm – The high threshold Alarm can be configured in the "Alarm Thresholds" section of the Analog Alarms page, by enabling the "Upper Threshold" option. If the Flow rate is more than Upper Threshold, High Threshold Alarm will be triggered.
5. Configure Low Threshold Alarm – The low threshold Alarm can be configured in the "Alarm Thresholds" section of the Analog Alarms page, by enabling the "Lower Threshold" option. If the Flow rate is more than Lower Threshold Voltage, Low Threshold Alarm will be triggered.

ANALOG CHANNELS PAGE

The InterLINX[®] LITE has the option to configure/enable up to 4 analog input alarms. To view the status of all the analog alarms, send #analog? SMS command at any time.

All Analog Channel changes need the device settings to be unlocked to allow these changes.

Alarm Name	The Title given to the Analog Alarms which by default is "Analog 1 to Analog 4". This can be changed to a title of choice if the device settings are unlocked.
Analog Source	Analog Alarms on the InterLINX LITE can receive their source analog signal from the pulse counters or the power supply voltage.
Send Value	If enabled, an SMS will be sent every 'Send Value Interval' period (irrespective of the state of the alarm).
Scale Input	This field is used to define the Units, Minimum value, Maximum Value, offset and Resolution values of the configured alarms. Note that all the options are not available for all Analog Sources (for example, we can't have a minimum and maximum values for the 'temperature' analog source).
Upper Threshold:	
Alarm Activated Message	The text entered in this field is added to each of the Alarm Activation messages.
Threshold Value	If the input value is more than the value configured in this field, the Upper Threshold Analog Alarm will be triggered.
Reset Differential	This field is used to provide hysteresis, to ensure false alarms are not sent, when the input value oscillates between (Threshold Value + Reset Differential) value, no Lower Threshold Alarm Activation or Alarm Deactivation messages will be sent.
Activation Delay	If the Alarm state is Active for the Alarm Activation delay, the alarm activation message will be sent.
Deactivation Delay	If the Alarm state is inactive for the Alarm Deactivation delay, the alarm deactivation message will be sent.
Lower Threshold:	
Alarm Activated Message	The text entered in this field is added to each of the Alarm Activation messages.
Threshold Value	If the input value is less than the value configured in this field, the Lower Threshold Analog Alarm will be triggered.
Reset Differential	This field is used to provide hysteresis, to ensure false alarms are not sent, when the input value oscillates between (Threshold Value + Reset Differential) value, no Lower Threshold Alarm Activation or Alarm Deactivation messages will be sent.
Activation Delay	If the Alarm state is Active for the Alarm Activation delay, the alarm activation message will be sent.
Deactivation Delay	If the Alarm state is inactive for the Alarm Deactivation delay, the alarm deactivation message will be sent.
Alarm Deactivation Message	The text entered in this field is added to each of the Alarm Deactivation Messages.
SMS Notifications	Select the notify mode. This can be - Don't notify, Once, Repeated, or Sequential.
SMS Notify List	By default, this field contains the all the list of all the available phone numbers, which are configured from SMS Phonebook section. However, the phone numbers for each analog alarm can be deleted in this field, to send analog alarms to specific recipients.

RELAY CONFIGURATION PAGE

The InterLINX[®] LITE has 1 relay output which can be used to activate external functions. To view the status of the relay, send #relay? SMS command at any time.

All Relay Configuration changes need the device settings to be unlocked to allow these changes.

Relay Name	The Title given to the Relay which by default is "Relay 1". This can be changed to a title of choice.
Enable Timed stop of relay	If this option is enabled, the relay timed stop can be configured. Select the relay run time in hours, minutes and seconds. This will activate the relay for the set time and then return to the off position.
Set Relay Output	This allows you to manually set the relay to ON or OFF indefinitely or ON for a set time in conjunction with the on timer.

FUNCTIONS

SMS FUNCTIONALITY

The cellular InterLINX[®] LITE module can send SMS notifications for specific conditions. Programming and configuration can be performed either through SMS commands, or using the InterLINX[®] LITE Wi-Fi Hotspot.

The SMS function supports up to 10 recipients for notification messages and allows monitoring of multiple alarms.

Phone Book

The system supports up to 10 phone numbers being programmed into its phone book. When configuring notifications, the user can select which phone book entries to send messages to.

Refer PHONEBOOK command or SMS Notification Configuration section to add and delete phone numbers via SMS or webpage.

Alarm Notification Modes and Messages

Broadly, there are 2 types of alarm messages – Digital (Input) Alarms, and Analog Alarms.

Each notification message contains detailed information about the event. Here's an example breakdown of a typical message:

Sender Title	InterLINX [®] LITE SMS Alarm, which is a user set text.
Notification Trigger	Active/Inactive/Reminder
Timestamp	Date and time of the event
Alarm State	Indicates if the alarm is lost, active, or deactivated
Accepted	Shows the current acceptance status of the alarm
Accepted Timestamp	Date and time when the alarm was accepted
Accepted By	Phone number of the user who accepted the alarm
Acceptance Command	Instructions to acknowledge the alarm and stop repeat notifications

The InterLINX[®] LITE supports three SMS Modes when sending Alarms. Each alarm message can be sent in one of the following SMS modes.

Notify Once	When an alarm state is activated, an SMS will be sent to all the message recipients configured in the phonebook.
Notify Repeat	When an alarm state is activated, the InterLINX [®] LITE keeps sending notifications to all the message recipients at fixed intervals, until "accept" SMS command is received from the user.
Notify Sequential	This is similar to Notify Repeat mode, except in this mode, each message will be sent to only one message recipient at a given time sequentially after the configured fixed period of time, until "#accept" command is received. The message will be received by the next slot number in the PHONEBOOK, only if it is already not accepted by the previous slot number.

The functionality of each of the modes is detailed as follows;

Notify Mode Once

If the Notify Mode is selected as 'Once', the Alarm Activation message will be sent once to all the mobile numbers added in the 'SMS Notify List' section.

Message format (with example):

Title	InterLINX [®] LITE SMS Alarm Sender
Alarm State	Input B0: ALARM Activated
Alarm Activated Message	Power off/ Failure

FUNCTIONS

Notify Mode Repeated

If the option is selected as 'Repeated', the Alarm Activation message will be sent to all the mobile numbers added in the 'SMS Notify List' section every 'Resend notification timeout delay' intervals, until 'accept' message is sent as below.

Message format (with example):

Title	InterLINX® SMS Alarm Sender
Alarm State	Input B0: ALARM Activated
Alarm Activated Message	Power off/ Failure
Day, Date and Time	Activated: Day dd/mm/yyyy hr:mm

If the user now sends **#accept B0** or **#accept input B0** command when the alarm is activated, the corresponding alarm will be accepted.

#accept? Command can be used to list all the active Alarms.

Once the alarm is accepted, the InterLINX® LITE will send an acknowledgment for alarm acceptance, as below.

Title	InterLINX® LITE SMS Alarm Sender
Acceptance Acknowledgement	Accept Input B0

Notify Mode Sequential

This is same as Notify Repeat mode, except in this mode, each message will be sent to only one message recipient at a time after the configured 'Resend notification timeout delay period'. If the alarm is not accepted by the phone number present in 1st phone slot (mentioned in the 'SMS Notify List'), the message will go to the second recipient and so on until the alarm is accepted.

Refer INPUT, ACCEPT_ALARMS and NOTIFY SMS commands for more information on Digital Alarm configuration and acceptance via SMS.

Status Messages

In addition to the Alarm messages, the InterLINX® LITE also supports status messages such as **#info?** and **#modeminfo?** Refer INFO and MODEM_INFO in the SMS COMMANDS table for more information.

Refer "SMS Commands" section for more commands.

IOT FUNCTIONALITY

The InterLINX® LITE by default is in IoT mode.

In IoT mode, the InterLINX® LITE sends all the configured fault and status information to the Propitect® Portal for viewing on a clients PC. Refer to the Propitect® User Manual for details on the interface functionality.

SMS functionality and IoT can operate simultaneously, although SMS deliveries to your smartphone may be delayed.

SMS COMMANDS

For any SMS Command, a response is always sent. The table below provides the response information

Name	Command	Description
TITLE	title	Use this command to add the SMS alarm sender title (max 80 characters). Get current title: #title? Set new title: #title <new title> Max: 80 Characters Example SMS command: #title SMS Alarm Sender The title will be set to 'SMS Alarm Sender'. This will be sent with each alarm message sent from the SMS alarm sender.
INFO	info	Reports information of the device Such as version, signal strength (-113 to -51dbm), input voltage and current time on device #info? Example response: Title: <Set Title of device> Ver: <firmware revision> Serial: <Device Serial Number> RSSI: <signal strength> Power: <supply voltage> Time: <network current time> Reminder: <on or off> Test msg: <on or off> Uptime: <Time since power up>
ANALOGS	analog	Report status of analog Alarms #analog?
INPUTS	inputs	Report status of all inputs: #inputs? Example response (input 1 only): Input B0 OFF: ALARM ACTIVE (Input state as ON/OFF and corresponding alarm direction: 'Alarm Active' or 'Alarm Inactive') Activated: Alarm state: 'Last Active' if inactive or 'Activated' if active Mon 07/12/2020 16:42 Time at which the alarm was last activated Notified once Alarm notification state: 'Notified Once', 'Not Recorded', 'Not Accepted Yet' or 'Accepted'
RELAY	relay	Relay Output Status of Relays: #relay? Title/Alias: #relay <output> title? Set Title: #relay <output> title <new title> Max: 80 Characters Start of relay title cannot match a command Where <output>=C0 Relay title can then be used as an alias. #<title> on #<title> off Enable Relay Timer: #<title> timer enable Set timeout period minutes: #<title> timer <min> Turn on relay and enable timer with period: #<title> on <min> Disable Timer: #<title> timer disable
SMS_MESSAGE_LIMIT	limit	Get current daily SMS limit: #limit? Set new limit: #limit <new limit> Turn off limit (Unlimited): #limit off Reset Today's limit: #limit reset Note: Responses to commands do not count towards limit
ENABLE_SMS_RESPONSE	smsresponses	For enabling and disabling SMS message responses To get current status: #smsresponses? To enable: #smsresponses enable To disable: #smsresponses disable

Name	Command	Description
PHONEBOOK	num	<p>List all phone numbers: #num? Add/Replace number: #num add <slot> <phone number> Use this command to add the phone numbers. Example SMS Command: #num add 3 0406446XXX The phone number 0406446XXX will be added to phone number slot 3.</p> <p>Delete number: #num del <slot> Use this command to delete a phone number Example SMS command: #num del 3 The phone number 0406446XXX is deleted from slot 3.</p> <p><slot>: slot number in phonebook (1-10) This is the number used to index the phone number and is used in other commands</p>
ALARM MESSAGE	msg	<p>Each digital input will send a message when the input turns on (goes high) and when it turns off (goes low). Inputs will typically be pre-programmed as per customer request when the control panel with built in ME-Link is ordered. Typical default on and off messages for each input are shown below under the #msg all on? and #msg all off? commands.</p> <p>Get on message: #msg <input> on? or #msg all on? Get off message: #msg <input> off? or #msg all off? Set on message: #msg <input> on <message> Set off message: #msg <input> off <message> Use this command to set alarm on messages for specific inputs. Example SMS command: #msg 1 on High Pressure Fault The Input 1 on message will be set to 'High Pressure Fault'. Max message: 80 Characters <input>: the input to modify (B0 or B1)</p>
ACCEPT_ALARMS	accept	<p>Acknowledge alarms</p> <p>Digital: #accept <input></p> <p>Analog: #accept analog <alarm number></p> <p>Modbus: #accept modbus <modbus device></p> <p>View status of alarms: #accept?</p>
NOTIFY	notify	<p>How alarm messages are notified: #notify <input>? <input>: is the input number to modify (B0 or B1)</p> <p>Temporarily disable alarm notifications: #notify disable <minutes> (defaults 60 minutes if no time entered) Enable alarm notifications again: #notify enable</p> <p>Send notification to list once: #notify <input> once Repeat notification to list: #notify <input> repeat <minutes> Repeat notification going through list sequentially: #notify <input> sequence <minutes></p> <p>Disable SMS notifications for input: #notify <input> off Add all numbers to notify list: #notify <input> to all Add specific numbers to notify list: #notify <input> to <slots></p> <p><slots>: a list of slot numbers that are set in phone book i.e. #notify 1 to 1,2,3 Will notify to phone numbers in slots 1,2 and 3 Note in sequence mode this is the order numbers will be notified</p> <p>Set direction that is considered an alarm state for input On/High level: #notify <input> dir on Off/Low level: #notify <input> dir off</p>
REMIND	remind	<p>Send reminder messages if an alarm is still active: #remind on <hour> <hour>: Hour of day to send reminders (24-hour time notation. I.e. 8=8am, 20=8pm)</p> <p>Check if alarm reminders are on: #remind? Disable alarm reminders: #remind off</p>

Name	Command	Description
REMIND_DIGITAL	reminddigital	Check if digital reminder is on: #reminddigital? Enable Digital Alarm reminders: #reminddigital on Disable Digital reminders: #reminddigital off
REMIND_ANALOG	remindanalog	Check if analog reminder is on: #remindanalog? Enable Analog Alarm reminders: #remindanalog on Disable Analog reminders: #remindanalog off
REMIND_RELAY	remindrelay	Check if analog reminder is on: #remindrelay? Enable Analog Alarm reminders: #remindrelay on Disable Analog reminders: #remindrelay off
REMIND_INFO	remindinfo	Check if analog reminder is on: #remindinfo? Enable Analog Alarm reminders: #remindinfo on Disable Analog reminders: #remindinfo off
UNLOCK	unlock	Used to unlock sms commands Get current unlock status: #unlock? Unlock device using pin: #unlock <pin> Default PIN 1234
LOCK	lock	Enable lock feature: #lock enable <current pin> (pin needed to temporarily unlock device) Lock device before timeout: #lock To disable lock feature: #lock disable <current pin> (always unlocked) See #pin to change pin
CHANGE_PIN	pin	Change pin for device: #pin <current pin> <new pin> Default PIN 1234 Pin must be 4 numbers Cannot contain letters, spaces or symbols
TEST_MESSAGE	Test msg	Send test messages: #test msg on <days> (defaults to 30 days) See if Test message is enabled: #test msg? Disable test message: #test msg off Set where to send test messages: #test msg to all or #test msg to <slots> <slots>: a list of slot numbers that are set in phone book i.e. #test msg to 1,2,3 Will send the test message to phone numbers in slots 1, 2 and 3
IOT	IoT	To activate IoT mode when the device is only in SMS mode, send command #lot enable
FACTORY_RESET	reset	Resets the device to factory defaults: #reset Example SMS Command: #reset Response: Are you sure you want to factory reset? Enter #reset again within 1 minute to confirm SMS Command: #reset Response: Device has been reset back to factory defaults. Needs to be sent twice within a minute to take effect WARNING: this is irreversible, all settings changed will be lost
OTA_UPDATE	update	#update <http url> Note: https connections are not always supported

Name	Command	Description
HELP	help	List all valid commands: #help Get information about a specific command: #help <command name>
MODEM_INFO	modeminfo	Reports information of the device Such as version, modem version, network operator, signal strength (-113 to -51dbm), input voltage and current time on device #modeminfo?
RESTART	restart	Software restart: #restart System will be unresponsive temporarily.

TECHNICAL USER TIPS

- **InterLINX® Local Restart System** - Hold Reset button for 3 seconds and release. The green Status and red Alarm indicator lights will go solid after reset the button is released while the system restarts.
- **InterLINX® Local Factory Reset** - Hold Reset button for 30 seconds and release. The green and red indicator lights will go solid after reset button is released while the system resets and restarts. ***This option is not recommended unless a restart was tried first and was not successful. All setup of the device will be lost, and all settings will go back to default***
- **InterLINX® SMS Remote Restart System** - Send SMS command **#restart** to the device mobile number and allow 15-20 secs for the device to restart
- **InterLINX® SMS Remote Reset** - Send SMS command **#reset** to the device mobile number twice within 1 min and allow 30-40 secs for the device to reset. ***This option is not recommended unless a restart was tried first and was not successful. All setup of the device will be lost, and all settings will go back to default***
- **InterLINX® IoT Remote Restart System** - On the Propitec® Asset page (if a subscription is active) that the device is connected to, go to the info page / "Settings" button and under the "General" tab there is a "Restart" button under the "Actions" heading. ***Device must be in IoT mode to be able to perform this action***
- **InterLINX® not sending reply SMS** - (a) SMS daily limit has been selected and exceeded. Will only send messages to the total of daily total selected. (b) SMS Responses is disabled. Go to SMS Configuration Page on the Wi-Fi Hotspot configuration portal and enable.

DEFAULT & USER SETTINGS

Setting	SMS Command Reference	Default	User Setting
SIM Card Phone Number			
Number			
SMS Alarm Sender title			
Title	title	InterLINX® LITE	
Phone Numbers			
Slot 1	num	Empty	
Slot 2		Empty	
Slot 3		Empty	
Slot 4		Empty	
Slot 5		Empty	
Slot 6		Empty	
Slot 7		Empty	
Slot 8		Empty	
Slot 9		Empty	
Slot 10		Empty	

DEFAULT & USER SETTINGS CONT.

Input 1 Alarm Messages & Notifications			
On Message	msg	Power On/Restored	
Off Message		Power Off/Failure	
Notify Mode	notify	Once	
Notify Direction		Off	
To Phone Number Slots		All	
Input 2 Alarm Messages & Notifications			
On Message	msg	High Level Fault	
Off Message		High Level Fault Cleared	
Notify Mode	notify	Once	
Notify Direction		On	
To Phone Number Slots		All	
Repeat/sequence time interval for all inputs (only applies if notify mode is set to repeat or sequence)			
Repeat/sequence time interval	notify	10 Mins	
SMS Limit			
24hr SMS Limit	limit	100	
Relay Titles			
Relay 1 Title	relay	Relay 1	
Relay 1 Timer Enable/Disable		Relay 1	
Relay 1 Timer Minutes		Relay 1	
Reminders			
Reminders	remind	Off	
Reminder Time		8:00am	
Lock/Unlock			
Lock	lock	Disabled	
Pin	pin	1234	
Test Message			
Test message time	test msg	30 Days	
To Phone Number Slots		All	



Free call: **1800 281 282**

customer@matelecaustralia.com.au

www.matelecaustralia.com.au

HEAD OFFICE

PO BOX 7093 Shepparton VIC 3632
5 Telford Drive Shepparton VIC 3630