

Jri Traçabilité,

JRI LORA GATEWAY Products N°12706-12707-12708-12709 USER GUIDE



PRSF017C_EN



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1. DESCRIPTION

This document describes the installation procedure and utilization of the JRI LoRa Gateways.

1.1. Important information

The JRI LoRa gateways default configuration ensures communication between JRI LoRa devices (LoRa SPYs, LoRa Temp's) and JRI-MySirius Cloud. For a use with MySirius Server version, a modification is required in the built-in NodeRed server (see part 7).



- NEVER CONNECT A NEW GATEWAY ON A CUSTOMER'S ETHERNET NETWORK WITH A DHCP SERVER IF IT IS MEANT TO BE USED IN FIXED IP MODE.
- LORA GATEWAYS ARE CONFIGURED BY DEFAUT IN DHCP; A RESERVATION OF AN IP ADDRESS CAN BE MADE BY PROVIDING THE GATEWAY'S MAC ADDRESS. (SEE BACKSIDE STICKER)





TO SWITCH TO FIXED IP MODE, DO A SHORT RESET OF 10 SECONDS (>5 SEC AND <30 SEC) AND SEE STEP 5.2. NEVER DO A HARD RESET > 30 SEC (FACTORY RESET).

CONNECTING A JRI LORA GATEWAY TO THE CUSTOMER'S NETWORK ALLOWS REMOTE MANAGEMENT OF THE GATEWAY THROUGH ITS CONFIGURATION PORTAL. FOR THE ETHERNET VERSION, IT IS THE MEDIUM OF DATA COMMUNICATION, WHEREAS THE 4G VERSION USES THE ETHERNET NETWORK FOR COMMUNICATION BUT CAN SWITCH TO THE CELLULAR NETWORK IN CASE OF ETHERNET NETWORK FAILURE.





X	Do not dispose of with other waste. Instead, hand it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment.
CE	Compliant with European Council Directives 2011/65/EU and 2014/53/EU for electrical safety, flammability, disruptive electromagnetic emissions, and immunity to environmental electrical disturbances.
RoHS	Embedded products comply with the chemical concentration limitations set forth in the directive 2015/863 of the European Parliament (Restriction of the use of certain Hazardous Substances in electrical and electronic equipment - RoHS). This product does not contain the banned chemicals.
F©	This device complies with part 15 of the FCC rules. Operation is subject to conditions. Contact us for more details. The grantee is not responsible for any changes or modification not expressly approved by the party responsible for compliance. The antenna(s) used for this transmitter, must be installed to provide a separation distance of at least 20 cm from all persons. Installers and end-users must be provided with operating conditions for satisfying RF exposure compliance.

1.3. Product content

- JRI LoRa Gateway
- LoRa Antenna 20 cm 3db. Can be replaced by Outdoor antenna 8db 1m20 with 10 m extension cable (see product 12524)
- Power supply
- Ethernet cable
- Mounting bracket





2. INSTALLATION RECOMMENDATIONS

To ensure optimal radio transmission, a certain number of recommendations must be respected, as any wireless transmission is subject to disturbances.

2.1. Sources of attenuation and disturbances

- The presence of obstacles between the LoRa recorders and the LoRa Gateway (wall, furniture, vehicles...) or near the antenna.
- The thickness of an obstacle. The attenuation is greater diagonally than perpendicularly.



- A solid metal wall without any openings will not allow transmission by radio. Small openings in the wall will attenuate the signal. Recommended size of openings is 35cm minimum.



2.2. Positioning

Position the Gateway's LoRa antenna at 45° degrees from the wall (avoid being in parallel). Place the Gateway in a high and central position according to the distribution of LoRa SPYs sensors. A LoRa SPY TEST (Ref: 12146/12308) can be used to determine the gateway's best location onsite.



- A large external antenna with 8dB gain (ref 12524) can be installed instead of the antenna provided by default. A cable of 10m long can be used for remote installation.



Use the mounting bracket provided for an easier installation.





To ensure your safety during installation or an intervention on a device placed in a high position, use proper equipment which provides adequate stability, wear appropriate non-slip shoes and install warning signs around the work area if the intervention takes place in an area of foot traffic.

3. HARDWARE DESCRIPTION



The above image shows the model with all features (ETHERNET and Cellular). For models that don't have a cellular radio, the chassis will not have a SIM slot.

Item	Description
Connectors	
Power	5 Volt power jack.
Ethernet	RJ45 Ethernet jack.
Reset	Reset button. Reboots device or restores factory defaults.
LoRa antenna	Connect external 3db LoRa antenna or extension cable for 8db LoRa antenna
SIM	Cellular models only. SIM slot. Refer to Installing SIM Card for details.
LEDs	
STATUS	Blinks when operating system is fully loaded.
LORA	Lights when LoRa software (node Red) is active.
CELL	<i>Cellular models only.</i> Lights when there is power to the radio. Blinks when the SIM is registered with the carrier.
Ethernet Link	Left LED on the Ethernet connector. Blinks when data is sent or received on the Ethernet link. Steady light when there is a valid Ethernet connection.
Ethernet Speed	Right LED on the Ethernet connector. Lit when the Ethernet is linked at 100 Mbps. If not lit, the Ethernet is linked at 10 Mbps.



4. TECHNICAL PREREQUISITES

4.1. General:

- A 220V electrical outlet is required within 1.5m from the Gateway location
- 4G coverage or RJ45 network socket depending on the Gateway chosen.
- Open TCP **8443** port to *device.jri-mysirius.com* platform for a MySirius CLOUD configuration, or to the private MySirius server IP address.
- TCP **5798** port open to *ds.devicehq.com* platform for remote management.

4.2. DHCP mode:

For a plug & play usage, it is recommended to let Gateways in DHCP mode (default configuration). A DHCP server is required for an automated IP configuration but it is mandatory to know the IP address that will be allocated to the Gateway for future modification. Otherwise, the Gateway IP address is only recoverable from *www.devicehg.com*.

4.3. Fixed IP mode:

For a fixed IP usage, see section 5.2. The user should provide the information bellow:

- IP address
- Subnetwork mask
- Gateway
- DNS

5. CONFIGURATION

5.1. Start and login on the configuration portal:

DHCP configuration:

- Power the Gateway.
- Connect the Gateway on a customer network with a DHCP server (Request a reservation of an IP address by providing the Gateway MAC address backside label).
- Open an internet browser at the GATEWAY IP address.
- In the login page that appears, provide the following default credentials:
 - User name: admin
 - Password: Admin1234. (Password is "admin" for former versions)

Depending on the Gateway version, access customization may be requested.

FIXED IP configuration:

- Power the Gateway.
- Wait for the Gateway to completely start: LoRa LED is steady / STATUS LED is blinking.
- Remove the sticker on the RESET button and press for 10 seconds with a paperclip.
- Wait for the full reboot of the Gateway: LoRa LED is steady / STATUS LED is blinking.



- Set the PC network adapter to automatic mode (Disconnect the PC from Ethernet or Wifi network)

nternet P	vrotocol Version 4 (TC	P/IPv4) Pro	opertie	s		×		
General	Alternate Configuration							
You can this cap for the	n get IP settings assigne bability. Otherwise, you appropriate IP settings otain an IP address aut ge the following IP addr	ed automati need to asl omatically ess:	cally if y k your r	your n	etwork supp k administra	oorts ator		
IP ac	idress:							
Sybnet mask:								
Default gateway:								

- Connect the Gateway to the PC using the Ethernet cable (disable the Firewall or antivirus if necessary).
- Open an internet browser and enter the address http://192.168.2.1

A			
Your conne	ction is not priv	/ate	
Attackers might b example, passwor	e trying to steal your info ds, messages, or credit c	ormation from 192. ards). <u>Learn more</u>	168.2.1 (for
NET::ERR_CERT_AUTH	IORITY_INVALID		
e lo ger en	Sine 3 highest level of se	county, <u>com on enna</u>	
Hide advanced			Back to safety
This server could i trusted by your co misconfiguration o	not prove that it is 192.1 mputer's operating syst or an attacker interceptir	168.2.1 ; its security em. This may be cau ng your connection.	certificate is not ısed by a

- If a security message appears (depending on the browser) Click on more details and continue to the site 192.168.2.1



- In the login page, enter the following default credentials:
 - User name : admin
 - Password : Admin1234.
 Click on Login

JriwyShus						
mPower™ Edge Intell	igence Conduit AP					
Username						
Password	Login					
MULTITECHI						

- After connection, the configuration page below opens.
- The left menu gives access to the different configuration panels.

Jri MySirius	mPower™ Edge Intelligence Conduit AP - Application Enablement Platform MTCAP-868-001A Firmware 5.1.6						
Home							
Save And Restart		MATION					
LoRaWAN ®	Device		LAN				
Ostur	Model Number	MTCAP-868-001A	Ethernet	(eth0)			
Setup	Serial Number	19791620	Mode	DHCP Client			
Firewall	Firmware	5.1.6	Bridge	-			
	Current Time	07/26/2021 09:13:06	MAC Address	00:08:00:4A:5B:2E			
Tunnels	Up Time	62 days 03:57:36	IPv4 Address	192.168.0.99			
Administration	WAN Transport	None	Mask	255.255.255.0			
Administration	Current DNS	192.168.0.239, 192.168.4.239	DHCP State	Disabled			
Status & Logs							
Commands			Lora				
Apps			Frequency Band	868			
7,662			EUI	00-80-00-00-00-01-30-8E			
Help			Hardware	MTCAP-LORA-1.5			
	Last updated: 11:13:00 A	M					
		MULTITECH Copyright © 1995 - 2021 b	by Multi-Tech Systems, Inc. · All rig	jhts reserved.			



5.2. IP Configuration

- Setup Menu > Network Interfaces.
- Click on the pencil in the Options column to modify "eth0".

Jri MySiri us	US mPower [™] Edge Intelligence Conduit AP - Application Enablement Platform MTCAP-L4E1-888-041A Firmware 5.1.6			admin as	administrator 📑			
Home	NETWORK	INTERFACES C	ONFIGURATIO)N (?)			Reset To Default	
Save And Restart								
	Name	Direction	Туре	IP Mode	IP Address	Bridge	Options	
LURAWAN	eth0	WAN IPv4	ETHER	DHCP Client	192.168.0.129/24		1	
Setup	ppp0	WAN IPv4	PPP	PPP	<u>} ك</u>	_	-	
	br0	LAN IPv4	BRIDGE	Static	192.168.2.1/24	br0	1	
Network Interfaces					<u>Example</u>			
WAN Configuration						1		

- Fill in the fields according to the desired configuration:
 - Set direction to WAN by default (For both Ethernet and Ethernet + cellular failover utilization)
 - Select DHCP client (default) for dynamic IP configuration or static IP for fixed IP configuration and enter the IP/Mask/Gateway/DNS information.
- Click on "submit"

Jri MySiri us	mPower [™] Edge Intelligence Conduit AP - Application Enablement Platform admin as adminis MTCAP-868-001A Firmware 5.1.6					
Home Save And Restart	NETWORK INTERFACE CONFIGURATION - ETH0 @					
LoRaWAN ®	Direction WAN ~					
Network Interfaces	IPv4 Settings Mode Gateway					
Global DNS	DHCP Client v 192.168.0.249					
DDNS Configuration	Static Primary DNS Server DHCP Client Example : 192 168 0 239					
DHCP Configuration	Mask Secondary DNS Server					
SMTP Configuration	255.255.255.0 192.168.4.239					
SNMP Configuration	Duhmit Downed					
Time Configuration	Submit Cancer					

0

To connect to the Gateway configuration page again, enter its new IP address in the browser if it has been modified (fixed IP given by the client or IP allocated by the client's DHCP server).



5.3. WAN Failover Priority

Failover mode defines which medium (Ethernet or Cellular) is used for the Internet connection and switches from one to another if a connectivity failure is detected. Priority can be set either on Ethernet or Cellular connection.

If Ethernet connection (eth0) is set to priority 1 by default. Cellular connection can be set as a failover connection by setting its priority to 2. Both connections should be set as WAN.

- Click Setup > WAN Configuration.
- Under Options, use the up and down arrows to change the priority of the appropriate connection.
- Click on Save and Apply to save the change.

Jri MySiri us	mPower [™] Edge Intelligence Conduit AP - Application Enablement Platform MTCAP-L4E1-868-041A Firmware 5.1.6					admin as administrator 🗜	
Home							
Save And Restart	ave And Restart						
LoRaWAN ®	General Configurat	ion					
Setup	Mode	FAILOVER					
Network Interfaces	WANs						
	Priority				Options		
WAN Configuration	1	Enabled	ppp0	CELLULAR	~ ~ 🖋		
Global DNS	2	Enabled	eth0	ETHERNET	~ ~ /		
DDNS Configuration							
DHCP Configuration					Reset To	Default	

To edit failover configuration:

- Under the Options column at the right, click the pencil icon (edit) for the selected WAN. The Failover Configuration page is displayed.
- Make the desired changes. Refer to Failover Configuration Fields for details.
- Click Finish.

FAILOVER CONFIGURATION
Monitoring Mode
ACTIVE ~
Interval (secs)
60
Hostname
www.google.com
Mode Type
ICMP ~
ICMP Count
10
Save Cancel



NOTE: To detect that a network interface (Ethernet or 4G) is functional and thus to be able to switch or not from one to another, the gateway will try to send a ping or an ICMP frame to an address (by default www.google.fr). Make sure that this address is accessible for the gateway.



5.4. Cellular configuration

- Insert a micro SIM card before starting the Gateway.
- Use Machine to Machine sim cards with data connection service of minimum 5Mb/month for small installations (ex: 10 monitored units with default JRI configuration)



- Go to the Cellular > Cellular Configuration menu.
- In the General Configuration tab, check that the "Enabled" box is checked.
- In the Modem Configuration tab, complete the PIN and APN fields according to the SIM card used.
- Let all other settings with default values and click on «submit».

Home	CELLULAR CONFIGURATION @	admin as administrator
Save And Restart		
LoRaWAN ®	General Configuration	
Setup	Inabled	Mode PPP v
Cellular	Connect Timeout	Dial-On-Demand
Cellular Configuration	90	
Wake Up On Call	Dialing Max Retries	
Radio Status	0	
Firowall	Cellular Mode	
Filewali	Auto	
SMS	Modem Configuration	
Tunnels	Dial Number	Init String 1
Administration	*99***1#	AT+CSQ
Status & Loge	Connect String	Init String 2
Status & Logs	Dial Drafix	Init Otelen 2
Commands	ATDT	init string 5
Apps	SIM Pin	Init String 4
Help	0000	
	APN	
<u>Example :</u>	matooma.m2m	
	Authentication	
	Keep Alive	
	ICMP/TCP Check	
	Data Receive Monitor	
	C Enabled	
	Window (minutes)	
	60	
	Submit	Reset To Default



5.5. Date and time: (To be modified only if \neq from the PC time):

- Setup menu > Time: choose UTC > then submit.

Home Save And Restart	TIME CONFIGURATION @		admin as administrator
LoRaWAN ®	Settings		
Setup	Current Date and Time: 11/24/2020 17:37 Date	:18 (Europe/Paris)	
Network Interfaces	MM/DD/YYYY		
WAN Configuration	Time		
Global DNS	HH:MM		
DDNS Configuration	Time Zone		
DHCB Configuration	Europe/Paris		
DHOP Configuration	SNTP Configuration		
SMIP Configuration	✓ Enabled		
SNMP Configuration	Polling Time (5 to 1440 minutes)		
Time Configuration	120		
Cellular	Server		
Firewall	time.nist.gov		
SMS	Backup Server 1	Backup Server 3	
Tunnels	Backup Server 2	Backup Server 4	
Administration			
Status & Logs			
Commands	Submit		Reset To Default

5.6. LoRaWAN Parameters (SF and Packet Forwarder mode configuration)

- JRI recommends to set the SF between 9 and 12 for 868 MHz Gateways to optimize radio communications:

 \rightarrow Lora WAN Menu \rightarrow Network Settings \rightarrow Settings \rightarrow change the value of the Max Data rate to 3 (SF9). Minimum Data rate is set by default to 0 (SF12)

Settings				
Tx Power (dBm)	Rx 1 DR Offset		ADR Step (cB)	Min Datarate
26	~ 0	9	30	0 - SF12BW125
Antenna Gain (dBi)	Rx 2 Datarate		ACK Timeout	Max Datarate
8	0 - SF12BW125	~	5000	3 - SF9BW125

- No SF change is required for 915MHz.
- By default, the JRI Gateways are configured as Network servers: Each Gateway uses the built-in Node Red server to communicate with MySirius (Cloud or Server) via TCP port 8443.

Home		ര						
Save And Restart	LORAWAN NETWORKIN							
LoRaWAN ®	LoRa Mode							
Network Settings	Mode	Packet Forwarder	Network Server					
March 4 march 1	NETWORK SERVER	√ 4.0.1-r26.0	2.3.0					
Key Management		Status	Status					
Gateways	Restart LoRa Services	RUNNING	RUNNING					

Example :



It is possible to set the Packet Forwarder mode to send the measurements of LoRa devices from a "slave" Gateway (Packet forwarder) to the "master" Gateway (Network Server) which must always be configured in fixed IP.

→ Administration Menu → LoRaWAN → LoRa mode → select PACKET FORWARDER mode → Restart LoRa services.

LORAWAN NETWORKING	LORAWAN NETWORKING ②						
LoRa Mode							
Mode	Packet Forwarder	Network Server					
PACKET FORWARDER	✓ 4.0.1-r26.0	2.3.0					
	Status	Status					
Restart LoRa Services	RUNNING	DISABLED					
	LORAWAN NETWORKING LoRa Mode Mode PACKET FORWARDER Restart LoRa Services	LORAWAN NETWORKING () LoRa Mode Mode Packet Forwarder A.0.1-r26.0 Status Restart LoRa Services RUNNING					

Go to the bottom of the page and configure the Gateway Network Server information:

 \rightarrow Select Network Manual \rightarrow Enter the IP address of the GateWay Network Server \rightarrow Save & Restart.

Network	
Manual	~
Server Address	



5.7. Save changes and restart

- To save modifications, restart the Gateway by clicking on "Save and Restart" in the menu on the left.

Jri MySirius	mPower™ E MTCAP-868-001	mPower [™] Edge Intelligence Conduit AP - Application Enablement Platform admin as administration Affective Admin as administration Affective Admin administration Affective Administration Affective Administration Affective Administration Affective Administration Affective Administration Administration Affective Administration Administ							
Home	NETWORK	NETWORK INTERFACES CONFIGURATION [®]							
Save And Restart	ILET TOTAL								
LoRaWAN ®	Name	Direction	Туре	IP Mode	IP Address	Bridge	Options		
LONAWAN	eth0	WAN IPv4	ETHER	DHCP Client	192.168.0.99/24		-		
Setup	br0	LAN IPv4	BRIDGE	Static	192.168.2.1/24	br0	<i>i</i>		
Network Interfaces									
Global DNS									

- After a reboot, the Gateway can be disconnected from the PC and connected to the customer's network (optional for 4G versions).



To connect to the Gateway configuration page again, enter its new IP address in the browser if it has been modified (fixed IP given by the client or IP allocated by the client's DHCP server).

6. RESTART AND RESTORE CONFIGURATION

- To restart a Gateway: Disconnect then reconnect the power supply or click on Save / Restart
- When the RESET button is pressed for less than 5 seconds, the Gateway can be restarted without losing its entire configuration (Ex: Node Red Server).
- Pressing the RESET button for 10 seconds (>5 sec; < 30 sec) allows you to restore the JRI default configuration.
- It is possible to create your own backup point:

Go to Administration > Save / Restore > User Defined Default > click on Set in the User Defined Default.

Jri MySiri us	mPower TM Edge Intelligence Conduit AP - Application Enablement Platform MTCAP-868-001A Firmware 5.1.6
Home Save And Restart	SAVE AND RESTORE CONFIGURATION @
LoRaWAN ®	Save and Restore Configuration
Setup	Restore Configuration From File Restore Browse No file selected
Firewall	Save Configuration To File Save
Tunnels	Reset to User-Defined Configuration Reset
Administration	User-Defined Default
User Accounts	Set Current Configuration As User-Defined Set
Self-Diagnostics (beta)	Clear User-Defined Default Clear
Access Configuration	User-defined default configurations are used to set deployment-specific default settings, overriding the factory default configurations. When the RESET button on the device is held for 5 seconds, the unit will be reset to the user-defined default settings if set, otherwise
RADIUS Configuration	factory default settings.
X.509 Certificate	30 seconds.
X.509 CA Certificates	
Remote Management	
Notifications	
Web UI Customization	
Firmware Upgrade	
Save/Restore	



A 30 second reset completely removes the configuration of the Gateway and requires general reprogramming by JRI including the configuration of the Node Red server. It is not recommended to do this action.



7. NODE RED CONFIGURATION FOR MYSIRIUS SERVER USE

To use a JRI LoRa Gateway with a private server, a modification of the embedded NodeRed software is required.

- On the 1st connection to the GateWay's configuration portal, enable NodeRed settings access via LAN and WAN. Save and apply changes.

Jri MySirius	mPower [™] Edge Intellig MTCAP-L4E1-868-041A Firmwa	ence Conduit AP - App	lication Enablement Platforr	n
Home		ION®		
Save And Restart	ACCESS CONFICURATI			
LoRaWAN ®	Web Server			
Setup	HTTP Redirect to HTTPS	HTTPS	Authorization	
Cellular	✓ Enabled	Via WAN Port	5	
Firewall	Via WAN	443		
SMS	Port			
Tunnels	HTTPS Sequrity			Chaur I
Administration				
	SSH Settings			
User Accounts	C Enabled	Port	ViaLAN	Via WAN
Self-Diagnostics (beta)	Linabled	22	V VIG LAIN	VIG WAIN
Access Configuration	SSH Security			Show 1
RADIUS Configuration	Reverse SSH Tunnel			
in bioo configuration		Server	Remote Port	
X.509 Certificate	Enabled		2222	
X.509 CA Certificates	Username	Authentication Method	Password	
Remote Management		Password	~ @	
Notifications	ICMP Settings			
Web UI Customization	✓ Enabled	Respond to LAN	Respond to WAN	
Firmware Upgrade	Node-RED Settings			
Save/Restore	✓ Via LAN	✓ Via WAN		
Debug Options	SNMP Settings			

- Go to Apps section \rightarrow Launch Node RED

Jri MySirius	mPower [™] Edge Intelligence Conduit AP - Application Enablement Platform admin as adminits MTCAP-868-001A Firmware 5.1.6							
Home	MANAGE APPS @			Launch Node-RED				
Save And Restart								
LoRaWAN ®	Node-RED Apps							
Setup	✓ Enabled							
Firewall	Name	Version	Status	Actions				
Tunnels	Development	0.0.0	Running	2				
Administration	✓ Enabled							
Status & Logs	Name	Version	Status Info	Actions				
Commands			No items found.					
Apps	Last Updated: 11:07:13 AM							
Help								
	MULTITE	CH () Copyright © 1995 - 202	21 by Multi-Tech Systems, Inc All rights reserved.					



- Connect to the Node-RED interface with the same identifiers used to connect to the configuration page of the Gateway:



- Go to Set Config top Menu \rightarrow Double click on the "change MySirius Server URL" bloc.

Node-RED						eploy 👻	
Q filter nodes	Read Config	Set Config	MySirius				+
✓ input				Edit inject node			
⇒ inject		(* *	riteMySiriusServer			Cancel	Done
catch	Change MyS	irius Server URL		Payload		is.com:8443	
status		the second secon	etContextMySiriusServer	E Topic			
🔶 link 🤆							
digital gpio				C Repeat	none	~	
🚺 analog gpio 🏮					Inject once at start?		
) mqtt				Name	Change MySirius Server URI	-	
http				Note: "interval	between times" and "at a spec	ific time" will use	cron.
websocket					details.		

- Replace the name of the default JRI cloud server (https://device.jri-mysirius.com:8443) with the IP address of the client's MySirius server (Example: 192.168.0.150).
- Click on « DONE » to validate the changes and close the window.
- Click on **Deploy** to deploy the modified FLOW.
- When the "Operation successful" green message is displayed, use the button to apply changes.
- Disable access to NodeRed settings for security purposes, submit changes then click on Save and Restart and wait for the GateWay to reboot.

Node-RED Settings	
✓ Via LAN	Via WAN
Submit	

- If there's a need to change this configuration again; proceed by 10 seconds reset on the GateWay, and restart the whole process describes in section 7.



8. ADD THE GATEWAY IN MYSIRIUS

- Log in to MySirius with an ADMINISTRATOR account
- Open the configuration dashboard by clicking on the "Administration" tab

• м		SYSTEM 3	N ANALYSIS		NCE 🙀 4	ADMINISTRATION	METRO	LOGY
=	- Dashboard		- Martin			1		
	Subscription	-	SMS and calls	Contraction of the second	3	Installation	and Hal	品
	4/4 10.	/100	146	225		0	0	
	Modules Measure	ement points	SMS	Calls		Units to validate	Sensors to Install	Y
	Monitored unit template	25	Recorders	1923465		Gateways		
	3		7	1		()	
		Sec.	Used	Not used	数型	- Alegoria	22	

- Click on the « Gateways » tile.
- Click on +ADD and follow the wizard

= 0	Gateways	Alert Settings	Technical batches	Relay/Alarm	×
Filter		T DELETE THE SELECTIO	N	2	+ ADD
NanoSpy (1)	oRaSpy (2)	-	10	and the	178/9
Serial number		♦ Name	Zone	Date of last message	Inventory number + 🖒
			20		

- Select GateWay LoRa[®] SPY, enter the required information then click on SAVE.

Device Type	Gateway LoRa® SPY ▼
Serial number	12345678
Name	GateWay TEST
ventory number	Ex: 192.168.10.75/MAC: C8.3B.45.FA.08.80
Zone	DEMO
	CANCEL SAVE

- <u>Caution:</u> It is important to enter the correct serial number. It will be used to link your gateway with your MySirius account.
 - Once added on MySirius, the gateway will appear in the LoRa[®] Spy gateways list.

=	Gateways		🌲 Alert Settings		Technical batches	•	Relay/Alarm	10019
Filter			DELETE THE SELECTION		2		2	
NanoSpy	(1) LoRaSpy (3)		-	1	0		a started	1735
Seria	l number		Name		Zone		Date of last message 🔶	Inventory number
12345678		GateWay TEST		DEMO		25 Nov 2020 16:28	Ex: 192.168.10.75/MAC: C8.3B.45.FA.08.80	

- You can now start your LoRa SPY / LoRa temp' devices within the radio coverage area of the gateway. An automatic detection is done for an easy installation.
- The gateway installation is a success if the "Date of last message" of the gateway is filled with the current date. Note that it may take a few minutes to get a connection between the gateway and MySirius. You may refresh your web page until the date of last message shows up.





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