



**PRSF017 LoRa  
Gateway  
Sensors**



## jri PRSF017 LoRa Gateway Sensors User Guide

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**jri PRSF017 LoRa Gateway Sensors**



## Specifications

- **Product Name:** JRI LoRa Gateway
- **Model Number:** PRSF017D\_EN
- **Contents:**
  - JRI LoRa Gateway
  - LoRa Antenna 20 cm 3db (replaceable with Outdoor antenna 8db 1m20 with 10m extension cable)
  - Power supply
  - Ethernet cable
  - Mounting bracket

## Product Usage Instructions

### Installation Recommendations

To ensure optimal radio transmission, follow these recommendations:

- **Sources of Attenuation and Disturbances**
  - Avoid obstacles between LoRa recorders and the LoRa Gateway.
  - Consider the thickness of obstacles as greater diagonal thickness causes more attenuation.
  - Ensure there are openings in solid metal walls for radio transmission.
- **Positioning**
  - Consider using a large external antenna with 8dB gain for better signal reception.
  - Use the provided mounting bracket for easier installation.
  - For safety during installation in high positions, use proper equipment, wear non-slip shoes, and install warning signs.

## • Hardware Description

The JRI LoRa Gateway is designed to facilitate communication between JRI LoRa devices and the JRI-MySirius Cloud. It can be connected to the customer's network for remote management through its configuration portal.

## • Technical Prerequisites

The gateway is configured by default in DHCP mode but can be switched to fixed IP mode by following specific reset procedures. It can also switch to cellular network communication in case of Ethernet network failure for 4G versions.

## FAQ

### • Q: Can I connect the JRI LoRa Gateway to a DHCP server for configuration?

A: Yes, the gateway is configured by default in DHCP mode. However, if you want to use it in fixed IP mode, follow the provided instructions for a short reset.

### • Q: What should I do if there are obstacles affecting radio transmission?

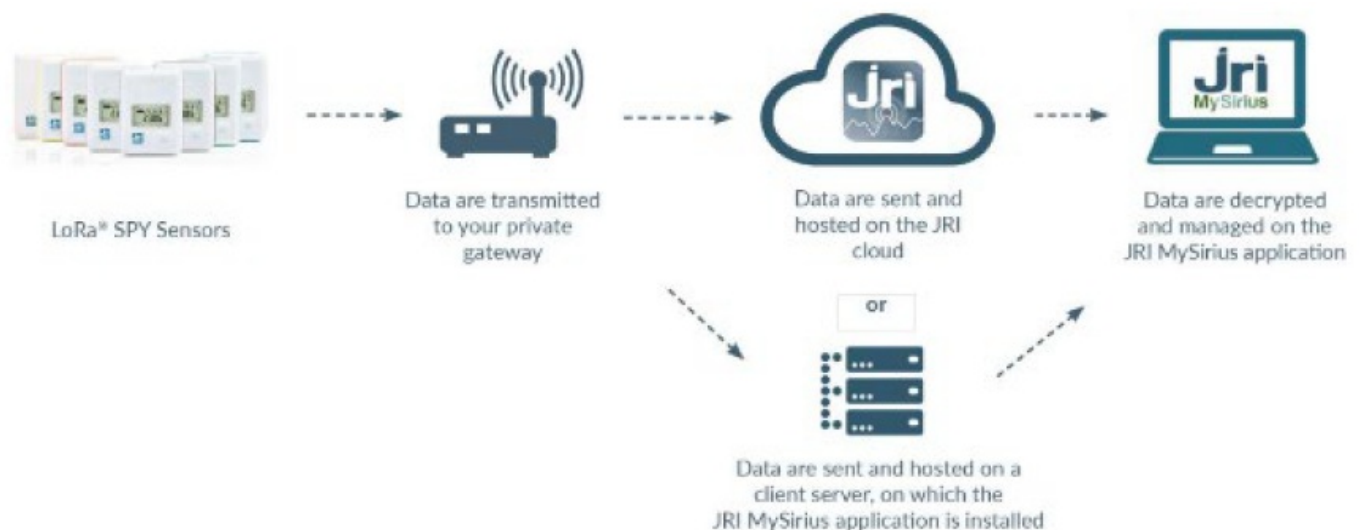
A: Ensure there are no obstacles between the LoRa recorders and the gateway. Consider using a larger external antenna for improved signal reception.

## DESCRIPTION

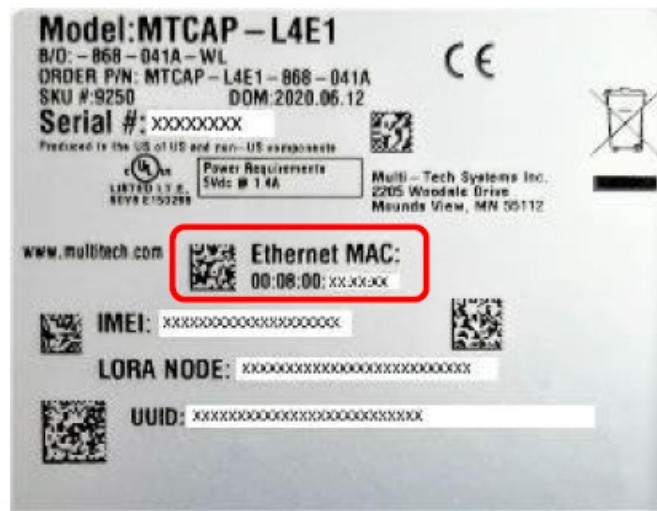
This document describes the installation procedure and utilization of the JRI LoRa Gateways.

### Important information

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







- 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 DEFAULT 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. THE ETHERNET VERSION, 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.

## Regulatory and Environmental information

	Do not dispose of it 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.
	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.
	Embedded products comply with the chemical concentration limitations outlined 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.
	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 modifications 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.

## 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

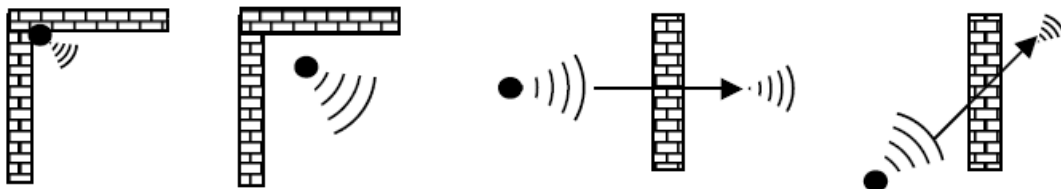


## INSTALLATION RECOMMENDATIONS

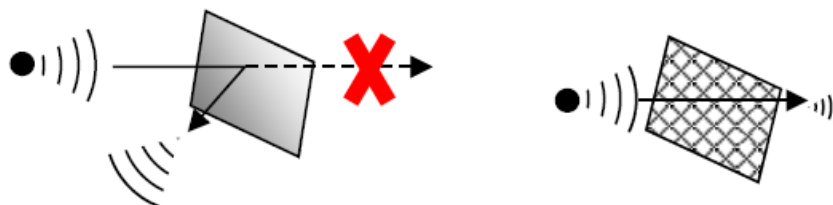
To ensure optimal radio transmission, a certain number of recommendations must be respected, as any wireless transmission is subject to disturbances.

### 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. The recommended size of openings is 35cm minimum.



### 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 an 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 intervention on a device placed in a high position, use proper equipment that 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.

## 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
<b>Connectors</b>		
Power		5 Volt power jack.
Ethernet		RJ45 Ethernet jack.
Reset		Reset button. Reboots the device or restores factory defaults. see Resetting the Device P.1
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.
<b>LEDs</b>		
STATUS		Blinks when the operating system is fully loaded.
LORA		Lights when LoRa software (node Red) is active.
CELL		Cellular models only. 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.

## TECHNICAL PREREQUISITES

### General:

- A 220V electrical outlet is required within 1.5m of the Gateway location
- 4G cellular coverage or RJ45 network socket depending on the Gateway chosen.
- For MySirius CLOUD use: Open TCP port 8443 to device.jri-mysirius.com platform.
- For MySirius SERVUR use: Open TCP port 13252 to the IP address of the MySirius server.
- For remote management: Open TCP 5798 port to ds.devicehq.com platform.

### CAUTION:

Depending on the generation of the Gateway, some are still configured to work on port 13252 in classic HTTP, and not on port 8443 which is the HTTPS port. JRI strongly recommends switching the configuration for MySirius CLOUD to HTTPS only (port 8443 – see chapter on NodeRED Configuration)

### DHCP mode:

It is recommended to set Gateways in DHCP (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.devicehq.com](http://www.devicehq.com).

### Fixed IP mode:

For a fixed IP usage, the user should provide the information below:

- IP address
- Subnetwork mask



- Gateway
- DNS

## CONFIGURATION

**Start and log on to the configuration portal:**

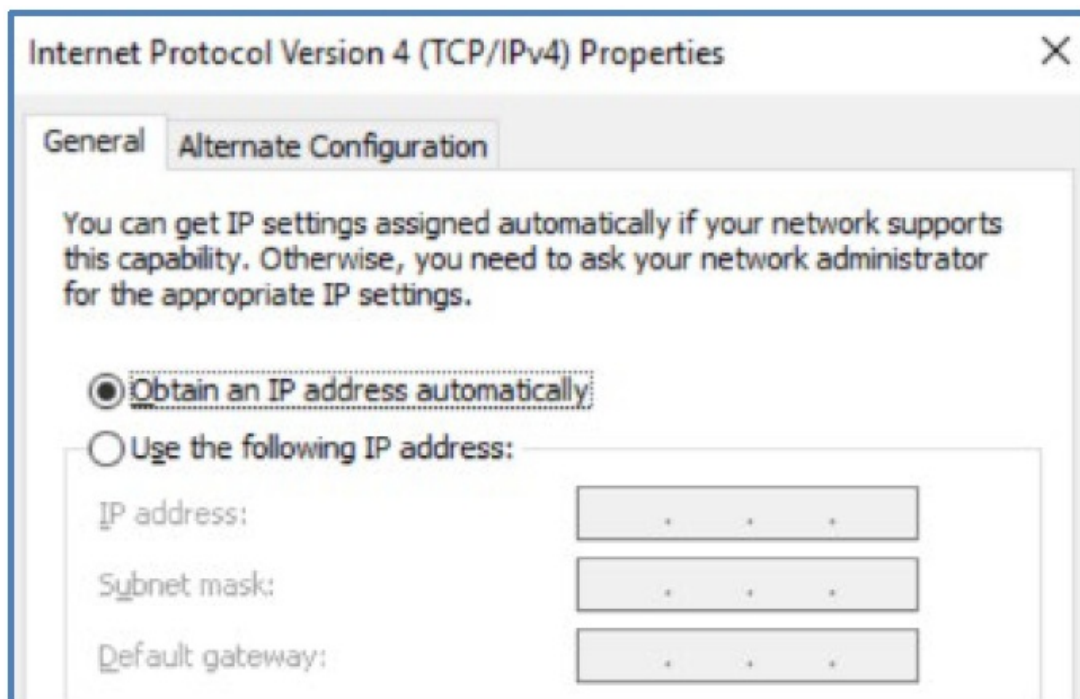
### **DHCP configuration:**

- 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.

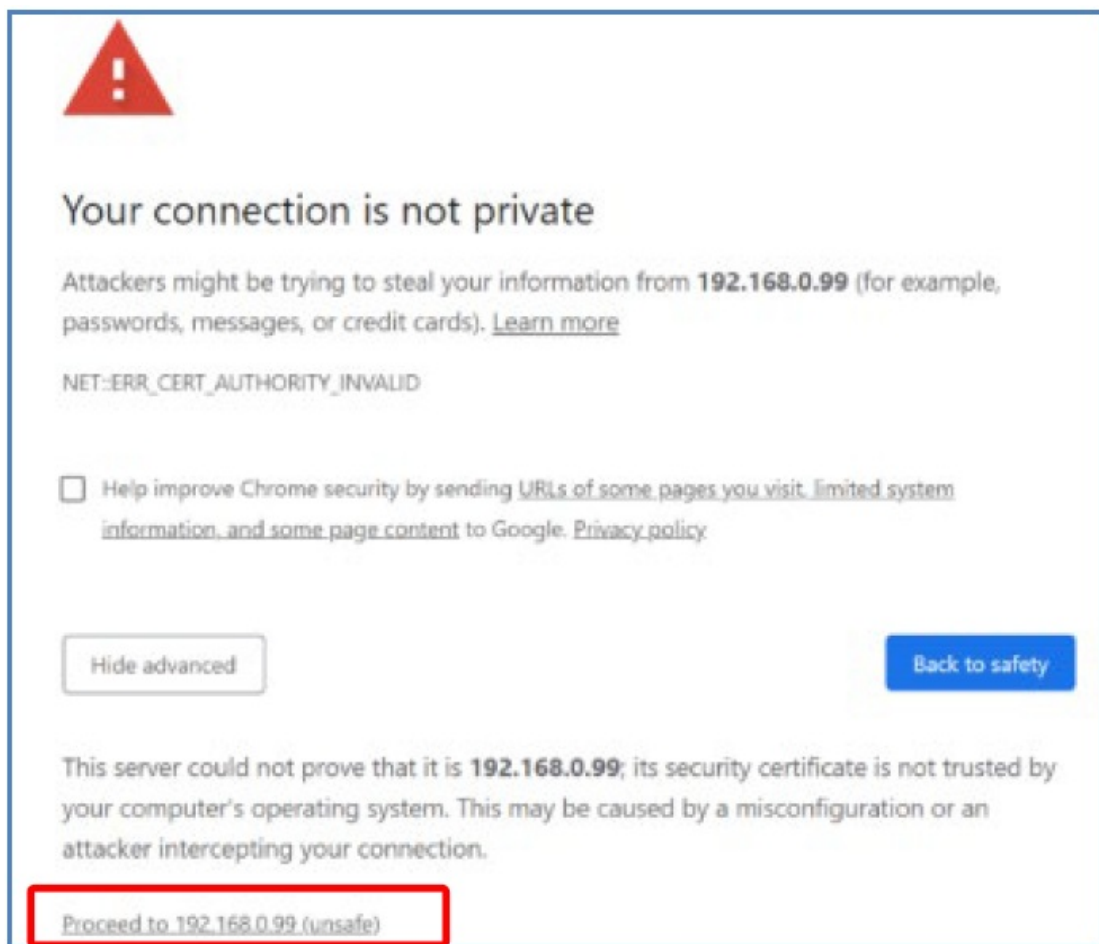
### **FIXED IP configuration (if the IP address has not been configured by JRI):**

- 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 it for 10 seconds with a paper clip.
- 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)



- 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>.





- If a security message appears (depending on the browser) Click on more details and continue to the site 192.168.2.1
- On the login page, enter the following default credentials:
  - **User name:** admin
  - **Password:** Admin1234. Click on Login

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

**MULTITECH** mPower™ Edge Intelligence Conduit AP - Application Enablement Platform  
MTCAP-868-001A Firmware 5.0.0-AEP admin as administrator

**Home**  
Save And Restart  
LoRaWAN ®  
Setup  
Firewall  
Tunnels  
Administration  
Status & Logs  
Commands  
Apps  
Help

**DEVICE INFORMATION**

Device		LAN	
Model Number	MTCAP-868-001A	Bridge	(br0)
Serial Number	19791620	MAC Address	
Firmware	5.0.0-AEP	IPv4 Address	
Current Time	03/04/2020 11:10:34	Mask	255.255.255.0
Up Time	7 days 21:45:26	DHCP State	Disabled
WAN Transport	None	Interfaces	
Current DNS	192.168.0.239, 192.168.4.239		

Ethernet (eth0)	
Mode	DHCP Client
Bridge	--
MAC Address	00:08:00:4A:5B:2E
IPv4 Address	192.168.0.99
Mask	255.255.255.0
DHCP State	Disabled
Lease Range	192.168.2.100-192.168.2.150

## IP Configuration

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

**MULTITECH** mPower™ Edge Intelligence Conduit AP - Application Enablement Platform  
MTCAP-868-001A Firmware 5.0.0-AEP

**Home**  
Save And Restart  
LoRaWAN ®  
**Setup**  
Network Interfaces

**NETWORK INTERFACES CONFIGURATION** Reset To Default

Name	Direction	Type	IP Mode	IP Address	Bridge	Options
eth0	LAN	ETHER	DHCP Client	192.168.0.99/24 <i>Example:</i>	--	
br0	LAN	BRIDGE	--	--	br0	

- Fill in the fields according to the desired configuration:
  - Let direction on LAN for default Ethernet configuration and select WAN for Ethernet with cellular failover utilization
  - Select DHCP client (default) for dynamic IP configuration
  - Or select Static IP for fixed IP configuration and enter the IP/Mask/Gateway/DNS information.
- Click on "Submit"

**Jri MySirius** mPower™ Edge Intelligence Conduit AP - Application Enablement Platform  
MTCAP-868-001A Firmware 5.1.6 admin as administrator

**Home**  
Save And Restart  
LoRaWAN ®  
**Setup**  
Network Interfaces  
Global DNS  
DDNS Configuration  
DHCP Configuration  
SMTP Configuration  
SNMP Configuration  
Time Configuration

**NETWORK INTERFACE CONFIGURATION - ETH0**

Direction:

IPv4 Settings

Mode:   
Static  
DHCP Client  
DHCP Client - Addresses only

Mask:

*Example :*

Gateway:   
Primary DNS Server:   
Secondary DNS Server:

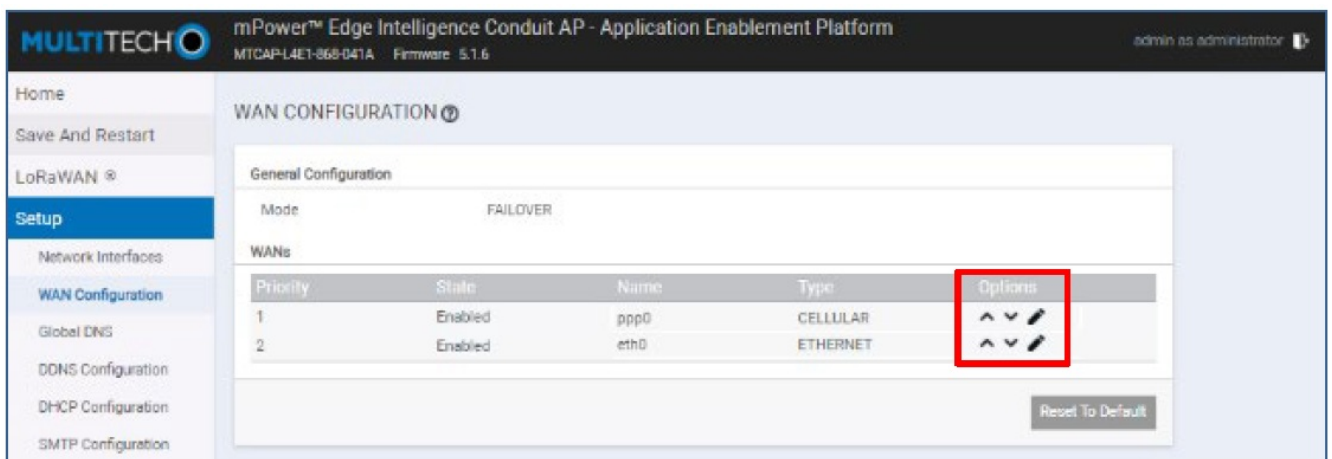
To connect to the Gateway configuration page again, enter its new IP address in the browser if it has been modified (fixed IP given by the client or IP allocated by the client's DHCP server).

### WAN Failover Priority

Failover mode regulates 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 an Ethernet or Cellular connection.

If the Ethernet connection (eth0) is set as priority 1 by default, a 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, click the up and down arrows to change the priority of the appropriate connection.
- Click Save and Apply to save the change.



The screenshot shows the 'WAN CONFIGURATION' page in the Multitech mPower Edge Intelligence Conduit AP - Application Enablement Platform. The page has a sidebar with navigation links: Home, Save And Restart, LoRaWAN®, Setup, Network Interfaces, WAN Configuration, Global DNS, DDNS Configuration, DHCP Configuration, and SMTP Configuration. The main content area is titled 'WAN CONFIGURATION' and contains a 'General Configuration' section with 'Mode' set to 'FAILOVER'. Below this is a table with columns: Priority, State, Name, Type, and Options. The table has two rows: Priority 1, State Enabled, Name ppp0, Type CELLULAR; and Priority 2, State Enabled, Name eth0, Type ETHERNET. The 'Options' column for the 'eth0' row is highlighted with a red box, showing up and down arrows and a pencil icon. A 'Reset To Default' button is located at the bottom right of the table.

Priority	State	Name	Type	Options
1	Enabled	ppp0	CELLULAR	^ v ✎
2	Enabled	eth0	ETHERNET	^ v ✎

### 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.



The screenshot shows the 'FAILOVER CONFIGURATION' page. It contains the following fields: Monitoring Mode (dropdown menu set to ACTIVE), Interval (secs) (text input field with 60), Hostname (text input field with www.google.com), Mode Type (dropdown menu set to ICMP), and ICMP Count (text input field with 10). At the bottom right, there are 'Save' and 'Cancel' buttons.

### CAUTION:

To detect network availability (Ethernet or 4G) and thus be able to switch from one connection mode to another, the Gateway needs to send a ping or an ICMP frame to an address (by default [www.google.fr](http://www.google.fr)). You must ensure that this address is accessible to the Gateway.

## 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
Save And Restart
LoRaWAN
Setup
Cellular
Cellular Configuration
Wake Up On Call
Radio Status
Firewall
SMS
Tunnels
Administration
Status & Logs
Commands
Apps
Help

CELLULAR CONFIGURATION ⓘ
admin as administrator

General Configuration

☒ Enabled

Mode

ppp

☐ Dial-On-Demand

Connect Timeout

90

Dialing Max Retries

0

Cellular Mode

Auto

Modem Configuration

Dial Number

\*99\*\*1#

Connect String

CONNECT

Dial Prefix

ATDT

SIM Pin

0000

APN

metooms.m2m

Init String 1

AT+CSQ

Init String 2

Init String 3

Init String 4

Authentication

Keep Alive

ICMP/TCP Check

Data Receive Monitor

☒ Enabled

Window (minutes)

60

Submit

Reset To Default

According to the SIM card provider chosen and the coverage level, the connection to the cellular network can take up to 1h30. In optimized conditions, this process is done within 15 minutes.

**Date and time: (To be modified only if ≠ from the PC time):**

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

Home
Save And Restart
LoRaWAN
Setup
Network Interfaces
WAN Configuration
Global DNS
DDNS Configuration
DHCP Configuration
SMTP Configuration
SNMP Configuration
Time Configuration
Cellular
Firewall
SMS
Tunnels
Administration
Status & Logs
Commands

## TIME CONFIGURATION

admin as administrator

### Settings

Current Date and Time: 11/24/2020 17:37:18 (Europe/Paris)

Date  
MM/DD/YYYY

Time  
HH:MM

Time Zone  
Europe/Paris

### SNTP Configuration

☒ Enabled

Polling Time (5 to 1440 minutes)  
120

Server  
time.nist.gov

Backup Server 1  
Backup Server 2  
Backup Server 3  
Backup Server 4

Submit
Reset To Default

### LoRaWAN Parameters (SF and Packet Forwarder mode configuration)

- JRI recommends setting the SF between 9 and 12 for the 868MHz version (12706/12707) to optimize radio communications: → Lora WAN Menu → Network Settings → Settings → change the value of the Max Data rate to 3 (SF9). Minimum Data rate is set by default to 0 (SF12). For the 915MHz version, the default values of SF are set from 7 to 10.

### Settings

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

- 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 13252.

Home
Save And Restart
LoRaWAN
Network Settings
Key Management
Gateways

## LORAWAN NETWORKING

### LoRa Mode

Mode NETWORK SERVER	Packet Forwarder 4.0.1 r25.0	Network Server 2.3.0
Restart LoRa Services	Status RUNNING	Status RUNNING

- 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 a



fixed IP.

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

Home  
Save And Restart  
**LoRaWAN ®**  
Network Settings  
Key Management  
Gateways

**LORAWAN NETWORKING ⓘ**

LoRa Mode

Mode: **PACKET FORWARDER** (highlighted with a red box)

Packet Forwarder: 4.0.1-126.0

Network Server: 2.3.0

Status: **RUNNING**

Restart LoRa Services

- **Go to the bottom of the page and configure the Gateway Network Server information:**  
→ Select Network Manual → Enter the IP address of the Gateway Network Server → Save & Restart.

**Example:**

**Server**

Network: Manual

Server Address: 127.0.0.1

### Save changes and restart

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

MULTITECH mPower™ Edge Intelligence Conduit AP - Application Enablement Platform  
MTCAP-868-001A Firmware 5.0.0-AEP admin a

Home  
**Save And Restart**  
LoRaWAN ®  
Setup  
Network Interfaces

**NETWORK INTERFACES CONFIGURATION ⓘ** Reset To Default

Name	Direction	Type	IP Mode	IP Address	Bridge	Options
eth0	WAN	ETHER	DHCP Client	192.168.0.99/24		
br0	LAN	BRIDGE	-	<u>Example :</u>	br0	

- After restarting, 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).

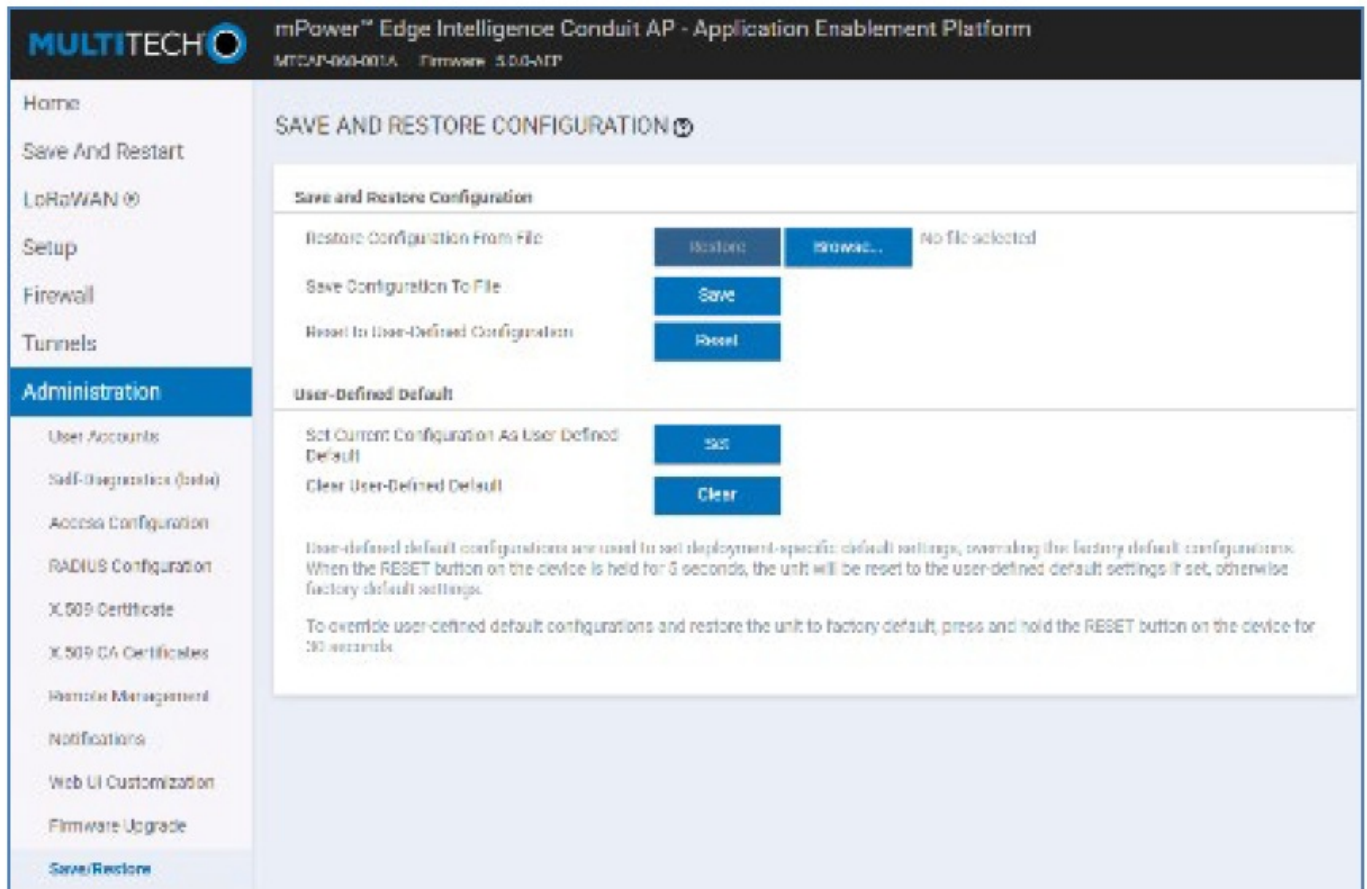
## RESTART AND RESTORE CONFIGURATION

- 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 backup point:

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



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.

## NODE RED CONFIGURATION FOR MYSIRIUS SERVER USE

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

- When connecting to the GateWay for the first time, access to the NodeRed settings must be enabled via LAN and WAN. Administration Access configuration NodeRed settings

Home

**Save And Restart**

LoRaWAN ®

Setup

Firewall

Tunnels

**Administration**

User Accounts

Self-Diagnostics (beta)

**Access Configuration**

RADIUS Configuration

X.509 Certificate

X.509 CA Certificates

Remote Management

Notifications

Web UI Customization

Firmware Upgrade

## ACCESS CONFIGURATION ⓘ

### Web Server

**HTTP Redirect to HTTPS**

☒ Enabled

☒ Via LAN

☐ Via WAN

Port: 80

**HTTPS**

☒ Via WAN

Port: 443

**Authorization**

Session Timeout (minutes): 5

**HTTPS Security** [Show i](#)

### SSH Settings

☒ Enabled

Port: 22

☒ Via LAN

☐ Via WAN

**SSH Security** [Show i](#)

### ICMP Settings

☒ Enabled

☒ Respond to LAN

☐ Respond to WAN

### Node-RED Settings

☒ Via LAN

☒ Via WAN

- Connect to the Gateway LoRa interface and go to the Apps section → Launch Node-RED

**mPower™ Edge Intelligence Conduit AP - Application Enablement Platform**

MTCAP-868-001A Firmware 5.1.6

## MANAGE APPS ⓘ

**Launch Node-RED**

### Node-RED Apps

☒ Enabled

Name	Version	Status	Actions
Development	0.0.0	Running	<a href="#">⌵</a>

### Custom Apps

☒ Enabled

Name	Version	Status	Info	Actions
No items found.				



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



The image shows the Node-RED login page. On the left is the Node-RED logo, which consists of a red square with a white circuit-like pattern and the text "Node-RED" below it. To the right of the logo are two input fields: "Username:" and "Password:". Below the password field is a "Login" button.

- Select the SET CONFIG tab → Double-click on the "Change MySirius Server URL".



- Replace the name of the JRI cloud (<https://device.jri-mysirius.com:8443>) with the IP address of the local MySirius server (Example: <http://192.168.0.150:13252>).
- Click on « DONE » to validate the changes and close the window.
- Click on it  to apply the modified FLOW.
- When the green “Operation successful” message is displayed, use the button  to apply the changes.
- Disable access to the NodeRed settings for security reasons, apply the changes, then click “Save and Restart” and wait for the GateWay to restart.

**Node-RED Settings**

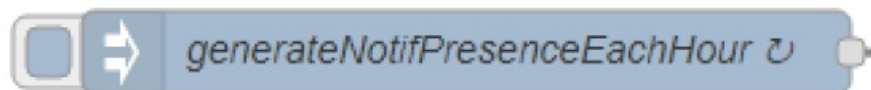
☒ Via LAN
 ☐ Via WAN

- If it is necessary to change this configuration again, perform a 10-second reset on the GateWay, and repeat the whole process described.

### Checking the connection with the MySirius server:

It is possible to check the connection of the gateway with the MySirius server directly in Node-RED if the gateway is connected to the client network (not possible if connected directly to the PC).

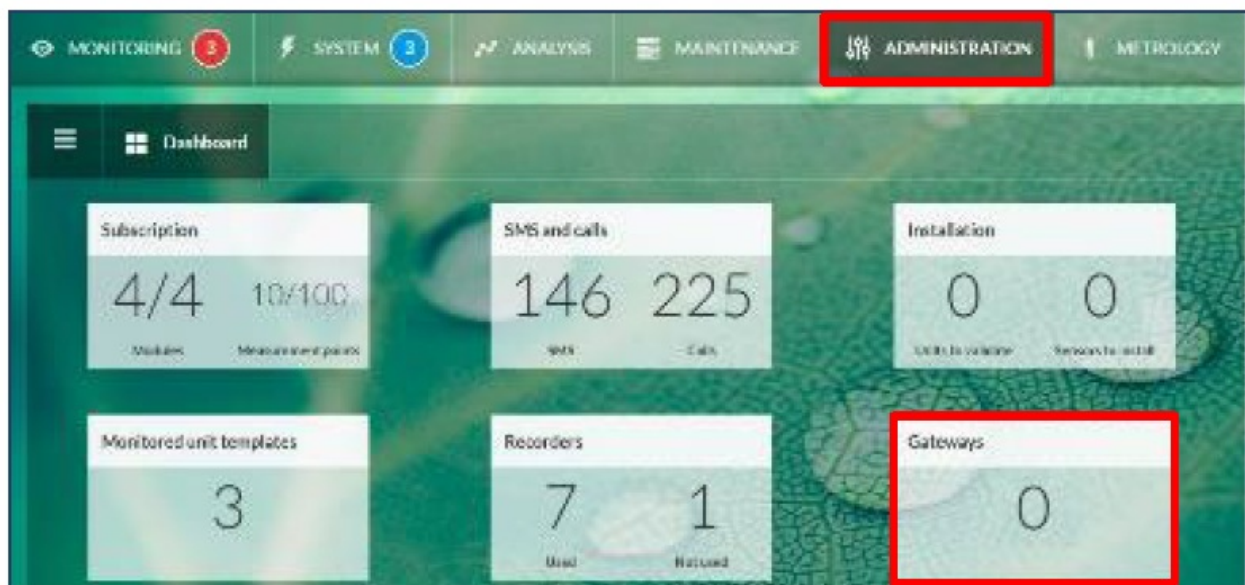
- Go to the “MySirius” tab and click on the “GenerateNotifPresenceEachHour” block button



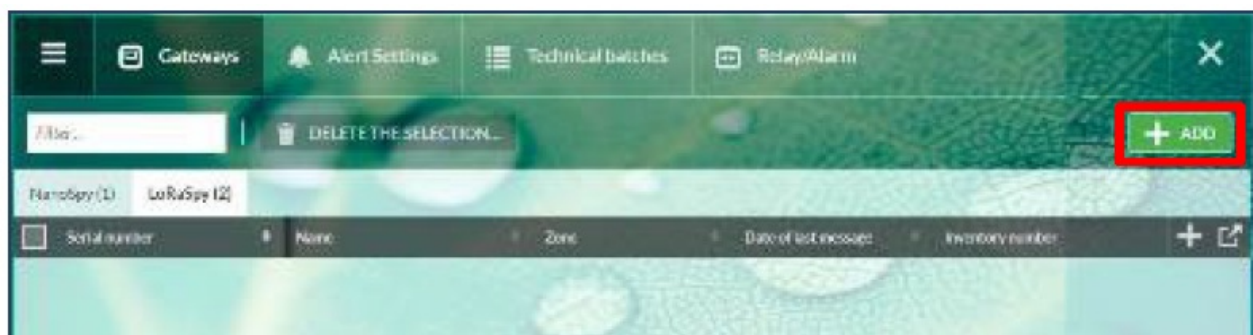
- If an error message appears in the “Debug” tab (on the right of the screen), it means that there is a problem either in the server URL or in the client network which has not correctly opened the port
- If no message in the “Debug” tab -> the gateway is working correctly

### ADD THE GATEWAY IN MYSIRIUS

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



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



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

Device Type

Gateway LoRa® SPY

Serial number

12345678

Name

GateWay TEST

Inventory number

Ex: 192.168.10.75/MAC: C8:3B:45:FA:08:8D

Zone

DEMO

CANCEL

SAVE

**Caution:** It is important to enter the correct serial number. It will be used to link your gateway with your MySirius account.

- Once added to MySirius, the gateway will appear in the LoRa® Spy gateways list.



- You can now start your LoRa SPY/LoRa temp devices within the radio coverage area of the gateway. 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 the last message shows up.





#### Technical support:

- 0892680933
- [support@group-mms.com](mailto:support@group-mms.com).
- [www.jri-corp.com](http://www.jri-corp.com)
- [info@group-mms.com](mailto:info@group-mms.com).

#### Documents / Resources

	<p><a href="#">jri PRSF017 LoRa Gateway Sensors</a> [pdf] User Guide PRSF017, PRSF017D_EN, PRSF017 LoRa Gateway Sensors, PRSF017, LoRa Gateway Sensors, Gateway Sensors, Sensors</p>
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#### References

-  [Personalized Gifts, Favors and More | M&M'S](#)
-  [MultiTech® DeviceHQ](#)
-  [Google](#)
-  [Site officiel](#)
- [User Manual](#)

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