USER GUIDE

Nano SPY©
LINK Ethernet / WiFi

Ref : 11817D

JRI, Société par actions simplifiée au capital de 4 000 000 €
Pôle logistique / 2 Rue de la Voivre / PA Technoland / BP 21 / 25490 FESCHES LE CHÂTEL / France
SIRET 380 332 858 00030 - Tél : +33 (0)3 81 30 68 04 / Fax : +33 (0)3 81 30 60 99 / sales@jri.fr
www.jri.fr
Siège Social : 16 Rue Louis Rameau / CS 90050 / 95872 BEZONS Cedex / France / APE 2651B / TVA FR 02 380 332 858

TABLE OF CONTENTS

I. INTRODUCTION

The Nano SPY LINK is a gateway allowing transmission of information from the Nano SPY to the MySirius cloud via Ethernet or WiFi networks.

a) Product contents

- 1 Nano SPY LINK
- 1 User guide
- 1 USB cable

b) Symbols

	RECYCLING: do not dispose of in a refuse dump or waste disposal bin. Comply with existing legislation for disposal.
	Power source: this device is powered by a 3.6VDC type AA lithium battery (§ ch. V).
CE	CE LABELING: this device is certified to conform to European regulations for electrical safety, flammability, disruptive electromagnetic emissions, and immunity to environmental electrical disturbances.
FC	*FCC ID : W45 11672* *This device complies with part 15 of the FCC rules. Operation is subject to the following two condition:* *1. This device may not harmful interference,* *2. This device must accept any interference received, including interference that may cause undesired operation.* *The grantee is not responsible for any changes or modification not expressly approved by the partyresponsible for compliance. Such modifications could void the user's authority to operate the equipment.* *NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.*

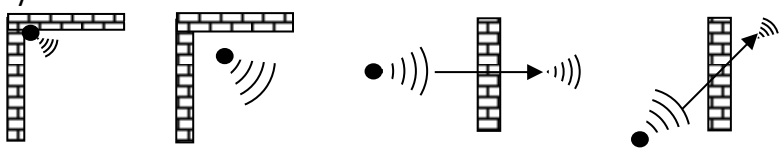
Do not use the device under conditions other than those described in the technical characteristics
Risk of fire or explosion in the case of improper use:
- Recharging of the battery
- Short circuiting of the battery
If the device is used in a manner not specified by the manufacturer, the protection provided by the device may be compromised.

II. INSTALLATION RECOMMANDATIONS

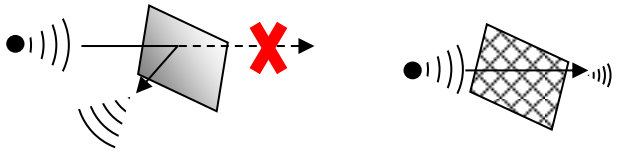
The Nano SPY LINK is a gateway allowing transmission of information from the The Nano SPY LINK is a gateway allowing transmission of information from the Nano SPY to the MySirius cloud via Ethernet or WiFi networks. To ensure optimal radio transmission, a certain number of recommendations must be respected, as any wireless transmission is subject to disturbances.

a) Sources of disturbances or attenuation

- The presence of obstacles in the wave path between the Nano SPY and the Nano SPY Link (wall, furniture, people…) or near the antenna.
- The thickness of an obstacle in the wave path. The attenuation is greater diagonally than perpendicularly.



- A solid metal wall will not allow transmission by radio. A perforated metal wall will allow waves to pass while attenuating them.



b) Positioning

- The Nano SPY ALARM must be installed at height near the Nano SPY recorders and the Nano SPY LINK (<40m, less than 3 m from a power outlet if this option is used (mains / USB transformer) and at more than 20cm from the passage of a person.

Ethernet Version:

- Provide for the presence of an Ethernet socket on an ADSL access point or on a company network less than 3 meters from the Nano SPY LINK.
- Ensure that the port 13251 is open on your internet box (refer to the manual of your ADSL box for its configuration) or verify this with your IT service provider.
- The network must be programmed in DHCP and accept DNS requests.

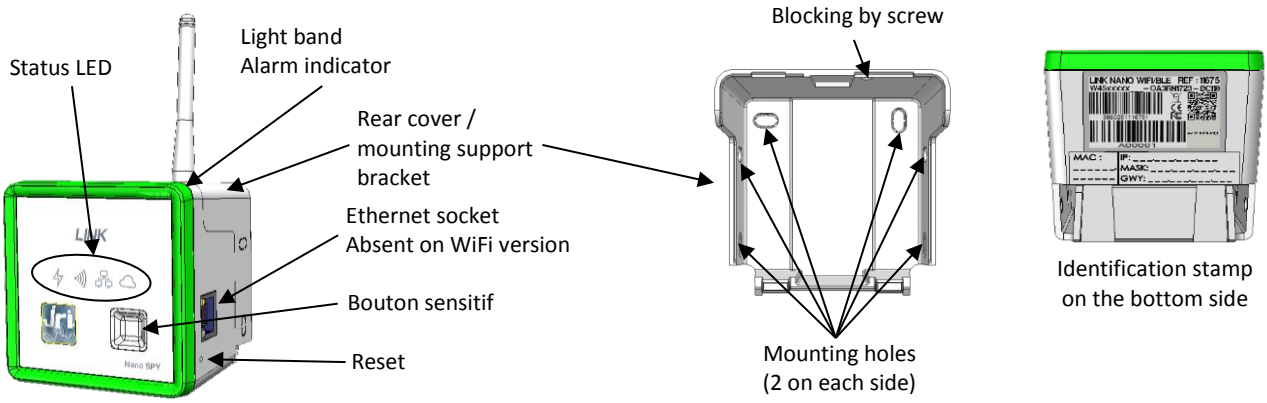
WiFi Version

- Ensure that you are in a zone of WiFi coverage.

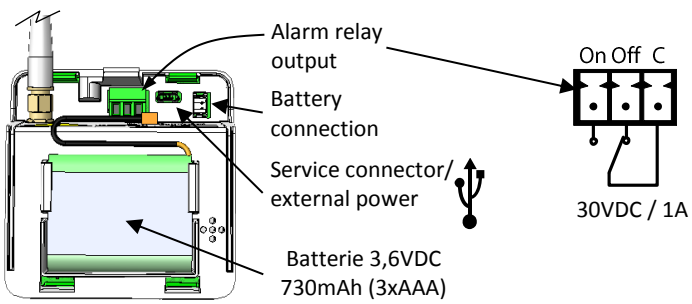
To ensure your safety during installation or an intervention on a device placed in a high position, use proper equipment which is in good condition and provides adequate stability, wear appropriate, non-slip shoes and install warning signs around the work area if the intervention takes place in an area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

lll. PRESENTATION

a) Control unit

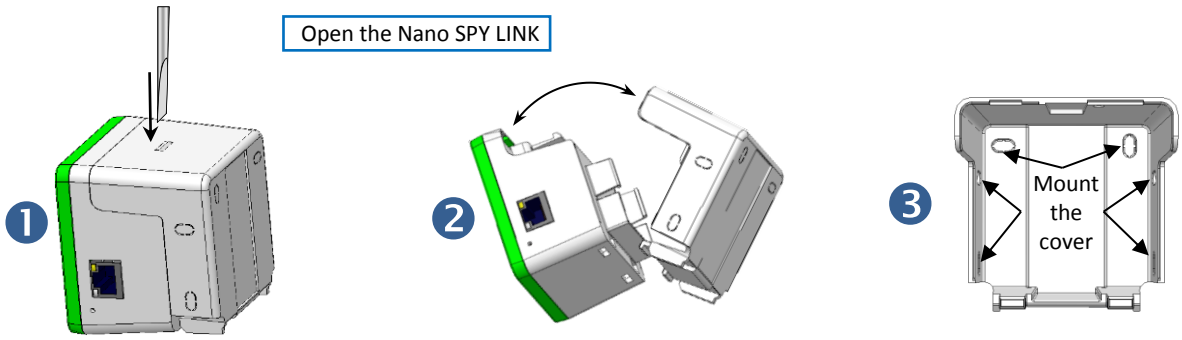


b) Connection

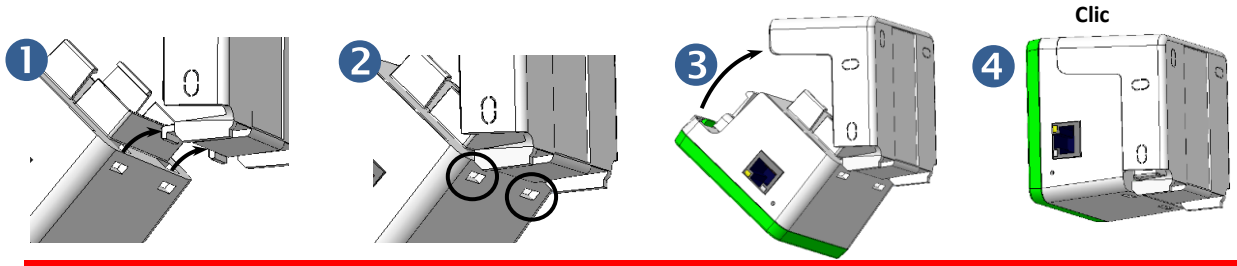


c) Mounting

Open the Nano SPY LINK



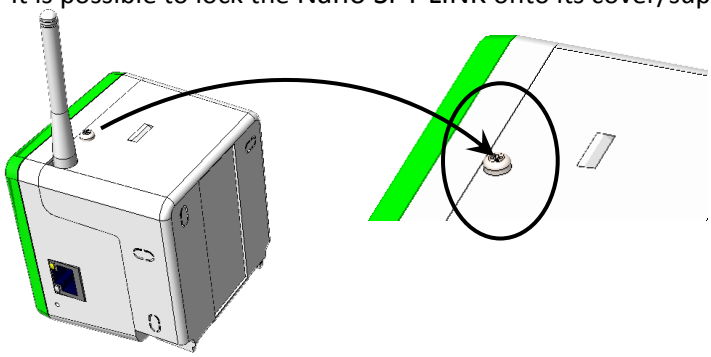
Close the Nano SPY LINK



/!\ The antenna is not represented on this sequence but be careful when handling

d) Locking

It is possible to lock the Nano SPY LINK onto its cover/support bracket using a screw.



e) Description of the indicator lights

	Function	State	Action
	Power	On Flashing Off	Mains power present Functioning on battery Mains power absent
	Radio communication	Flashing	Communication with Nano SPY
	Network	On	Network presence OK
	MySirius	On	MySirius Liaison OK

IV. CONFIGURATION OF NANO SPY LINK

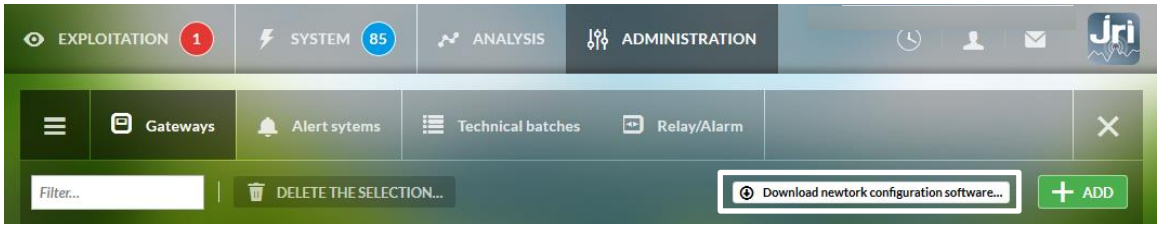
a) Operating principle

Upon receipt, the Nano SPY LINK Ethernet is configured in DHCP mode. As a result, when connected to the network, it will automatically connect to the MySyrius server.
In the case of a fixed IP configuration, it is necessary to connect the Nano SPY LINK to a PC via the USB service socket, and to run the dedicated software in order to enter the Network parameters.
Once the parameters are filled, the Nano SPY LINK is operational

In case of changing the Network settings, it will be necessary to reproduce the action above.

b) Configuration

- Download and install the network configuration software « ConfigLink Network » directly from MySirius. The download command is available in Administration\Gateways area :



Once the Nano Link is connected to the PC, execute the application « ConfigLink Network.exe » and follow the indications on the screen.

1. Clic on « Configuration »,
2. Desable « DHCP » mode,
3. Then fill the new IP parameters (IP Address, Netmask, Gateway, DNS),
4. Save the parameters,
5. Reboot the Nano Link.
   At this point, the Nano SPY LINK reboots and attempts to connect to the Ethernet network. The “Network” and “Cloud” lights on indicate that the Nano Link is connected to MySirius.

V. CONFIGURATION OF NANO SPY LINK WIFI

a) Operating principle

As delivered, the le Nano SPY LINK contains no connection information (SSID and password).

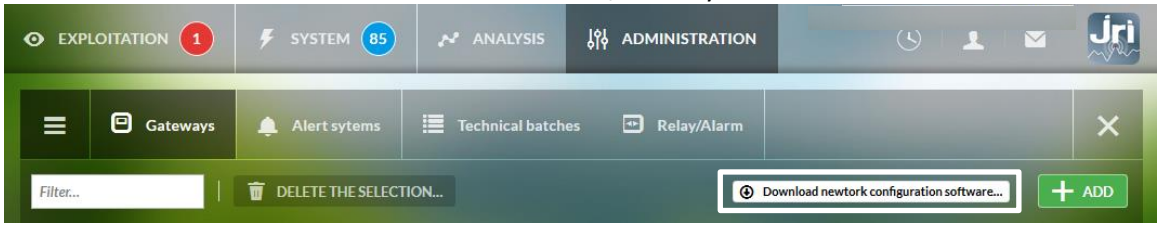
It is therefore necessary to connect the Nano SPY LINK to a PC using the maintenance USB socket, and to execute the dedicated software in order to enter the WiFi parameters.

Once these parameters are entered, the Nano SPY LINK is operational.

In the case of modification of the WiFi router settings, it will be necessary to repeat the above action.

b) Configuration

- Download and install the network configuration software « ConfigLink Network » directly from MySirius. The download command is available in Administration\Gateways area :



Once the Nano Link is connected to the PC, execute the application « ConfigLink Network.exe » and follow the indications on the screen.

1. Enter the SSID
2. Enter the password
3. Save the settings
4. Restart the Nano Link
   At this moment, the Nano SPY LINK restarts and tries to connect to the WiFi network.
   The indicator lights 'Network' and 'Cloud' lit indicate that the Nano Link is connected to MySirius.

VI. USE

Le Nano SPY LINK is a gateway allowing transmission of information, sent by the Nano SPY, to the MySirius cloud via Ethernet or WiFi network. It can be used in two different ways:

As simple gateway

As simple gateway, the Nano SPY LINK provides simply the transmission of information from the Nano SPY to the MySirius cloud.

As gateway and alert device

Depending on its configuration, the Nano SPY LINK can, in addition to its function as gateway, receive instructions from MySirius to act as an alert device. In the case of an alert, it can:

- Turn on its light band as a function of the event to be signaled
- Trigger its buzzer to warn of a problem
- Close its dry contact to command an alerting device

a) Taking in charge of alarms

When the Nano SPY LINK triggers an alert, this alert can be stopped in order to take it in charge locally. To do this it suffices to touch the touch-sensitive button before intervening to correct the problem.

/!\ This action does not correspond to an acknowledgement.

To acknowledge an alarm it is necessary to go on MySirius.

VII. CHARACTERISTICS

RADIO CHARACTERISTICS	
Broadcast frequency	2.4GHz
Maximum radiated power	10 dBm (10 mW)
Useful range with SPY RF satellites in buildings	Up to 40 m depending on environment
CARACTERISTIQUES WIFI	
Broadcast frequency	Frequency: 2,4 GHz Modulation: 802.11b and 802.11g
Maximum radiated power	+ 12 dBm
Sensitivity	- 83 dBm
Supported encryption	WEP-128, WPA-PSK (TKIP), WPA2-PSK (AES)
ELECTRICAL CHARACTERISTICS	
Mains power	Pluggable power adapter (European model plug) with regulated voltage output: Input: 230 VAC – Output / 5 VDC - 1A; 3m detachable USB cable
POE	Power over Ethernet available as option for Ethernet models. 3-meter Ethernet cable supplied
Power consumption	Average consumption: 0.5 W WiFi / 0.85W Ethernet Peak consumption: 2 W
Backup battery	Type NIMH capacity 730 mAh
Functional autonomy in battery mode	Autonomy for full operation: 6h en WiFi / 4h en Eternet Recharge time: 125h
MECHANICAL AND ENVIRONMENTAL CHARACTERISTICS	
Dimensions	78x78x63 mm
Weight	200g (without mains adapter)
Protection rating	IP20 – functioning inside buildings only
Temperature/Relative operational range	0°C to 40°C – 0 to 90% HR

Pollution / Altitude (IEC 61010-1)	Pollution level: 2 Altitude operational range: 0 à 2000m
SAFETY / COMPLIANCE	
CE radio compliance	EN 301 489 / EN 300 220 / EN 61010 / EN 301 511

VIII. MAINTENANCE

Clean the device with a soft cloth, either dry or slightly moistened with water. To remove stubborn dust, use a cloth soaked in a diluted, non-abrasive de Clean the device with a soft cloth, either dry or slightly moistened with water. To remove stubborn dust, use a cloth soaked in a diluted, non-abrasive detergent. Then wipe carefully with a soft dry cloth.
Never use benzene, thinner, alcohol or any type of solvent, which can cause discoloration or deform Clean the device with a soft cloth, either dry or slightly moistened with water. To remove stubborn dust, use a cloth soaked in a diluted, non-abrasive de Clean the device with a soft cloth, either dry or slightly moistened with water. To remove stubborn dust, use a cloth soaked in a diluted, non-abrasive detergent. Then wipe carefully with a soft dry cloth.
Never use benzene, thinner, alcohol or any type of solvent, which can cause discoloration or deformation of the surfaces.

IX. GUARANTY

Our material is guaranteed for one year, parts and labor, against any manufacturing defect, functional failure or abnormal wear. This guarantee covers only the replacement of parts recognized to be defective as well as the repair of the material in question returned shipping paid to our workshops, and excludes all damages and interest or incidental expenses.
The starting point of the guarantee is the date of invoice of the concerned product. The invoice must be provided for any request for application of the guarantee. Repairs under guarantee in no way extend the guarantee period accorded to the product at the time of sale. Deterioration due to any abnormal usage or to storage under adverse environmental conditions is excluded from our guarantee.

X. MAINTENANCE CONTRACT

How best to optimize your radiofrequency installation?

Radiofrequency measurement systems communicate through Hertzian waves. Many factors (change in installation, moving, supplemental wall, interference with another radio system…) can nonetheless modify the radio pathway previously defined. The use of radiofrequency thus requires periodic monitoring by recognized specialists.

It is for this reason that JRI has developed for you the maintenance contract. We simplify your procedures by offering you a fully-integrated solution. This global service offer includes both maintenance and a metrological service, ensuring the optimum functioning of your devices or of your installation.

You'll no longer have to worry about the maintenance of your devices!

This maintenance contract allows you to benefit, for a minimum period of 2 years, from a variety of services such as:

- annual or biannual verification of the material
- an extension of the guarantee
- tele maintenance
- telephone assistance **+33 (0) 892 680 933 (0,282 € HT/min)**
- replacement of the material onsite or by a return to the factory
- verification of measurement accuracy (metrological certificate)
- battery replacement
- access to new software versions

- intervention within 48 working hours following identification of the fault by our experts

XI. PROTECTION OF THE ENVIRONNEMENT

JRI recommends to its customers the disposal of their unusable and/or irreparable measurement and recording materials in a manner compatible with the protection of the environment. As the production of waste materials cannot be avoided, these should be reused through the recycling process best adapted to the considered materials and to the protection of the environment.

RoHS Directive

The RoHS European directive regulates and limits the presence of dangerous substances in electronic and electric equipment (EEE).

All new electronic equipment designed, developed and manufactured by JRI are in compliance with the aforementioned Directive 2002/95/CE.