



NOVA HUB

User manual



Non-contractual document

Article-No.: 14190

JRI, Société par actions simplifiée au capital de 4 000 000 €
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원문: JRI Nova HUB - Transmission module Nova HUB - Transmission module · 제조사 원문 자료입니다. 사양은 제조사 사정에 따라 변경될 수 있습니다.

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INTRODUCTION

The Nova HUB is a cellular communication module connected in real time to the JRI-MySirius platform. It is compatible with the JRI recorders of the Nano SPY and Nova SPY range and allows monitoring of measurements (temperature, RH%, package opening, etc.) and the position of a vehicle. It also serves as an indicator of the presence of alarms and connection to the network. The Nova HUB can only be used when the Mobility module is activated in MySirius.

Contents

- A recyclable cardboard box
- A Nova HUB
- 1 JRI generic leaflet
- 1 x USB C Cable



Symbols



RECYCLING: Do not dispose of household waste in a landfill or in a collection container. Comply with applicable legislation for disposal.



CE MARKING: This device is certified to comply with European regulations for electrical safety, flammability, emission of disturbing radiation, and immunity to surrounding electrical disturbances.

FCC ID: W4512525

This device complies with Part 15 of the FCC Rules.

Its operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.



NOTE 1: The Dealer is not responsible for any changes or modifications that are not expressly approved by the party responsible for compliance. Such modifications could void the user's authority to operate the equipment.

NOTE 2: This equipment has been tested and found to comply with the limits imposed on Class A digital devices, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is used in a commercial environment. This equipment generates, uses, and can transmit radio frequencies and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Use 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 or her own expense.

ISED ID: CAN ICES-003(A) / NMB-003(A)

The licence-exempt transmitter/receiver contained in this apparatus complies with Innovation, Science and Economic Development Canada's RSS applicable to licence-exempt radio apparatus. The operation is authorized under the following two conditions:



1) The apparatus must not produce interference;

(2) The device must accept any radio frequency interference experienced, even if the interference is likely to affect its operation.

ENVIRONMENTAL PROTECTION

JRI recommends that its customers dispose of their unusable and/or irreparable measurement or recording equipment in a manner that is appropriate for the protection of the environment. To the extent that the generation of waste cannot be avoided, it should be reused by recycling in a way that is best suited to the materials in question and to the protection of the environment.

RoHS Compliance:

The European Directive 2017/2102 (EU) of 15 November 2017 restricts the use of certain hazardous substances in electrical and electronic equipment.

Based on the information provided by its suppliers, JRI indicates that the products manufactured or resold by JRI are RoHS compliant and can be ordered as such at the time and after the date of issue of the RoHS certificate of conformity. Confirmation of compliance status by our suppliers implies that the products do not contain controlled substances in concentrations exceeding the values set by Article 4(1) of the RoHS Directive or that the removal of controlled substances is not technically possible and that the presence of these substances in concentrations higher than those set by the Directive is permitted in particular applications that are listed in the Annex to the RoHS Directive.

JRI has taken all steps to validate the information provided by suppliers regarding the absence of controlled substances.

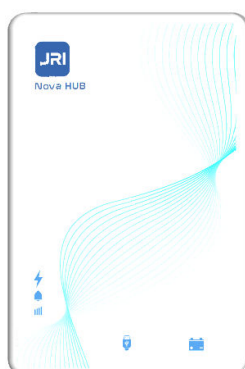


Recycling: To avoid the risk of explosion, please do not dispose of Nova SPY type products in the waste, do not

DIMENSIONS & INDICATORS

Visuals and dimensions

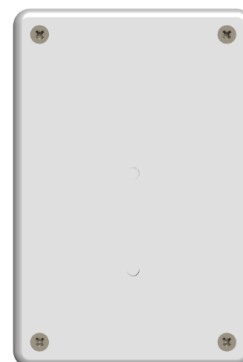
Before



Side LEDs



Back



Connectors

Indicators

Indicator	Status	Color	Action
Power 	On		Powered by the battery or USB charging cable, in acquisition mode
	Off		Not powered or in standby mode
Sensor Alarm 	On		Nova SPY Drive Error
	Turn Signal		Detection of a Nano or Nova SPY
	Turn Signal		Presence of a threshold alarm
	Off		Unsupported feature
Communication Cellular (4G) 	On		MySiriusApp Link OK
	Turn Signal		Connected to 4G networks
	Fast Turn Signal		MySirius communication in progress
	Flash		No connection to 4G networks
	Off		Unsupported feature

FEATURES

Technical data

	Nova HUB4G/GPS/2.4GHz with USB C socket
References EMEA / APAC / AMERICAS	14190
Operational Temperature Range	-10°C to +55°C
GPS Receiver	GNSS (GPS, GLONASS, Galileo, BeiDou, QZSS, SBAS compatible)
Rated voltage	5 / 12 / 24 V
Functions	Nova SPY data transmission (Temperature, humidity, door opening) GPS geolocation
Operational Tension	5 to 24 V
Input and Output Type	2.4GHz communication for receiving Nova SPY
Backup memory	20 hours of backup runtime at full load with a transmission frequency of every 15 minutes
Case	ABS UI 94V-0 White
Battery	Lithium ION 2200 mAh
Dimensions	103 L x 70 W x 35 H mm
Weight	165g
Compliance with guidelines	RED/FCC/ISED

INSTALLATION

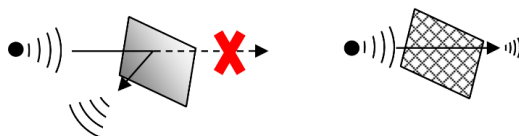


*Do not use the appliance in conditions other than those described in the technical specifications (Risk of fire or explosion).
For any other use than the one mentioned, please contact JRI.*

To ensure optimal wireless transmission (2.4Ghz) between the Nova HUB and the loggers, a number of recommendations must be followed, as any wireless transmission is subject to disturbances.

Sources of disturbance or mitigation

- Presence of obstacles in the wave path between the Nova HUB and the Nano or Nova SPY sensors (Metal wall) or near the antenna.
- A solid metal wall is impassable by waves. However, an openwork metal wall still allows the waves to pass through by attenuating them.

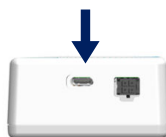


In-vehicle installation guide

1. Note the last 5 digits of the IMEI number visible on the label (required for declaration on MySirius)



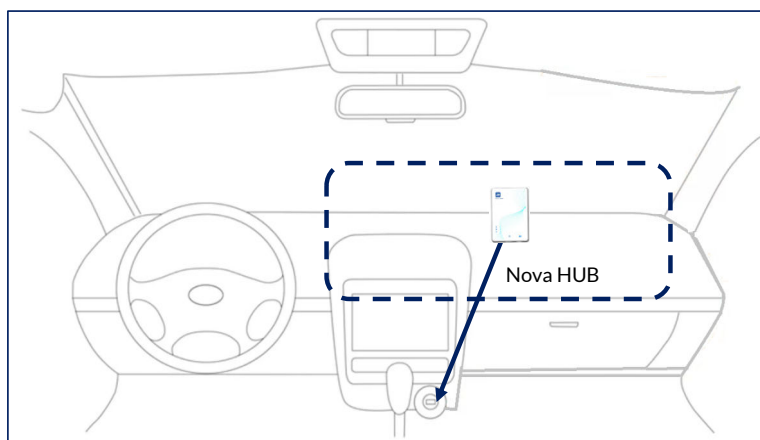
2. Plug the USB-C cable into a 5V power supply



3. Check the status of the LEDs on the case.



4. It is recommended to attach the Nova HUB directly to the vehicle's dashboard (using a suitable bracket or double-sided adhesive) to optimize communications with the sensors, and the 4G and GPS network.



5V USB C socket

Change of Micro SIM card

It is recommended to use SIM cards with the cellular subscriptions provided by JRI. In the event that a replacement is required, follow the following procedure:

1. Check that the Nova HUB box is powered off
2. Remove the case cover by removing the 4 screws



Figure 1: Opening the Nova HUB box

3. Insert the Micro SIM card without a PIN code into the slide of the SIM card holder.

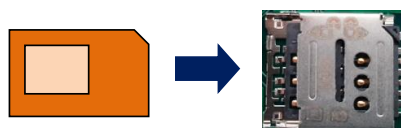


Figure 2: Inserting the Micro SIM Card into the Capture Box

4. Close the Nova HUB case, checking that the edges and screws are securely locked.
5. Transmit the elements relating to the Micro SIM card to your distributor or JRI contact
 - The call number
 - The APN number

USAGE

The Nova HUB is a 4G cellular communication gateway designed to transmit data from the Nano SPY and Nova SPY sensors to the MySirius platform.

It works exclusively with the JRI-MySirius software, hosted either:

- On the JRI cloud,
- Either on a Mysirius private server client.

⚠ The sensor data is transmitted only via a Nova HUB. No direct sending of sensors to MySirius is possible without this Nova HUB or Link gateway.

The Nova HUB exclusively acts as a data relay between the sensors and MySirius.

- Automatic transmission of measurements to MySirius
- No local interaction required
- Supervision, consultation and data exploitation via MySirius

Alarm management

Alarm acknowledgment and processing are only done in MySirius

MAINTENANCE

Clean the appliance with a soft, dry or slightly damp cloth. To remove stubborn dust, use a cloth impregnated with a diluted, non-abrasive detergent. Then wipe it thoroughly with a soft, dry cloth.

Never use benzene, thinner, alcohol or solvents of any kind, which may cause discoloration or deformation of surfaces.



The use of corrosive products, active or flammable solutions (e.g. acid or petroleum) on JRI equipment is prohibited. The JRI equipment is designed for the realization of maps and the monitoring of the temperature and humidity of thermostatic or climatic enclosures within the limits described on the technical data sheets. For the maintenance of the appliances, please refer to section VI.

For any use other than that mentioned above, please contact JRI.