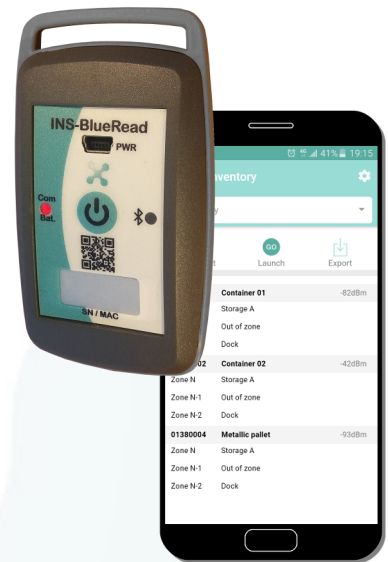# INS-BlueRead®

INS-BlueRead® is an access point that offers connection from Bluetooth to Clover-Net®. Directly connected to a PC or a Smartphone, this device allows communication with any Clover-Net® capable device.

Used either as demonstration purposes or as in the field operations, it is constructed in a wearable package to easily bring it in the pocket.

INS-BlueRead can be used jointly with any application tools like INS-Viewer® (on a PC) but especially with INS-Player® Android mobile application on a smartphone.

Its embedded rechargeable battery allow more than 5 work days usage autonomy. Moreover, LED and applicative data indicate the level of energy remaining.

Enjoy Clover-Net® capabilities anywhere.

INS-Player® application

This Android mobile application allows you to interact with your Clover-Net® enabled devices in the field.

INS-Player® application presents an easy-to-use interface with dedicated screens to actions like device configuration, on-demand data reading and inventories.

Thanks to its customization capabilities by profiles, you can have many use cases that perfectly meet your needs with a user friendly approach. A INS-BlueRead® usage give access to a defined set of profiles.

A profile defines preconfigured buttons, data-reading and inventory commands with their associated dynamic response treatment.

License

INS-BlueRead® can be associated to an INS-Player mobile app (Androïd) license. This allows to use this flexible application and build your own use case profiles with INEO-SENSE support team.

Useful for many actions

Commissioning
Configure your devices from storage state to operation in a simple finger press.

Inventories & local operation
Device identification, zoning report, on-demand inventories with export file are some of the capabilities we offer with this access point.

FW update Over The Air (OTA)
Like any other Clover® enabled modem devices, it can manage FW update by OTA.

Maintenance
In the field diagnostics and reconfiguration is made easy and intuitive.

LoRaWAN coverage test
LoRaWAN capable, it can be used to operate JOIN and CHECKLINK processes in the field.

INS-Player® features

- Download free of charge
- Time limited trial profile
- Inventory management with export
- Data Reading
- Device configuration
- RF modem configuration
- Customizable interface by profiles
- Compatible with all your Clover-Net enabled devices
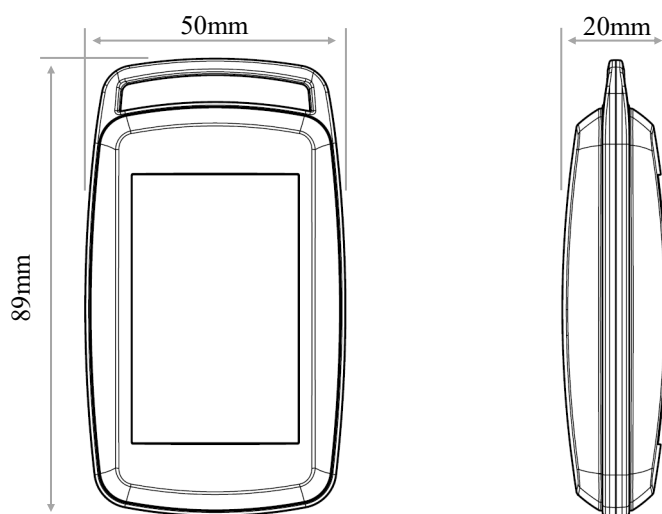- Supports Android from 5.1

INS-BlueRead® features

- Clover-Net and LoRaWAN modem
- Bluetooth 3.0 and Bluetooth LE
- Rechargeable Li-on battery (5 days autonomy)
- Integrated antenna
- Led indication for RF and Bluetooth activity
- Robust against interferences
- Auto response mechanism
- Periodic sending (Request or Message)
- Inventory broadcast/Multicast
- Serial link firmware update or Over The Air (OTA)

CAUTION : this product use lithium battery
For your security have a look at the safety sheet downloadable on our website.

Dimensions

50mm

89mm

20mm

Clover-Net

LoRa™

Order references

Order #	Description
INS-BLR-ST-4XX-510	INS-BlueRead - 433 Standard - IP55
INS-BLR-ST-X89-510	INS-BlueRead - 868/915 Standard - IP55
INS-APP-ST-XXX-000	INS-Player mobile app license
INS-APP-ST-XXX-001	INS-Tools mobile app license

Clover-Net generic features

- Transmission range up to 5,000m line of sight, up 500m indoor.
- Real-time 2-way communications: Scheduled transmission, automatic alarms and on-demand reading.
- Robust against physical and electronic interferences.
- Fast event reactivity, huge coexistence ability.
- Low cost for mass deployment
- Auto RTC propagation

- Native triband compatibility (433, 868 and 915Mhz)
- CE & EN 300-220 & FCC 15-247 compliant
- LoRaWAN compatible
- Uses Multi-channel frequencies to avoid collision.
- Dedicated alarm frequency channel.
- Data Encryption by AES 128 with dynamic key mixt
- Includes Full networks services (Broadcast, Repeater, Mesh, …)