

## INS-BlueRead



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

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

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 remaining power.

This rechargeable access point is built in a wearable casing to allow bringing it anywhere and enjoy Clover-Net capabilities.



### INS-Player application

This Android mobile application allows you 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 the need 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 a INS-Player license. This allows using this flexible application and build 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 remote device FW update by OTA.

#### Maintenances

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.

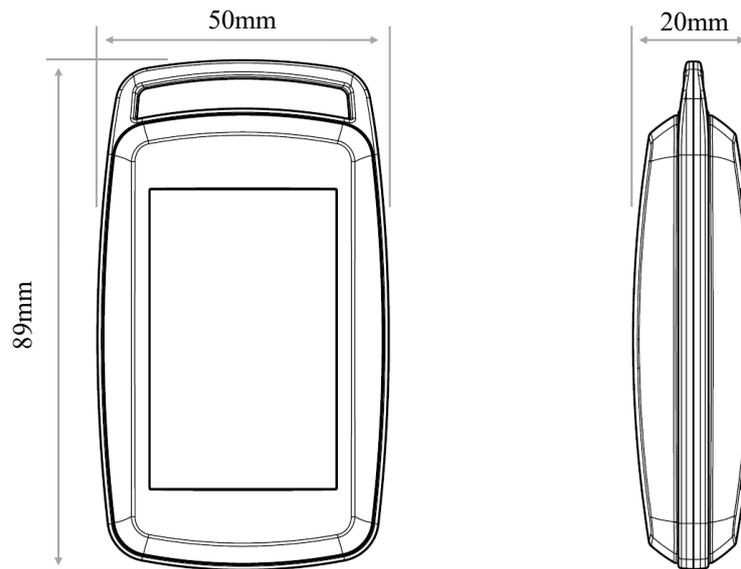
## INS-BlueRead features

- 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)

## 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

## Dimensions



## Order references

Order #	Description
INS-BLT-RD-X89-001	868M/915Hz version
INS-BLT-RD-4XX-001	433MHz version
INS-PLA-AN-XXX-001	INS-Player 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 three bands compatibilities (433, 868 and 915Mhz)
- CE & EN 300-220 & FCC 15-247 compliant
- LoRaWAN compatible
- Use Multi-channel frequencies and FHSS to avoid collision.
- Dedicated alarm frequency channel.
- Data Encryption by AES 128 with dynamic key mixt
- Include Full networks services ( Broadcast with answer, Repeater, Mesh, ...)

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