



KINEXON LOCALIZATION SYSTEM

User Manual – Tag Handheld Application

Version 1.2

TAG (Kinexon Transponder):

Material:	ABS
Dimensions:	47 x 33 x 7.5 mm
Weight:	15.4 g
Battery Lifetime:	up to 3 years (depending on update rate)
Charging:	1.5 hours (100%), 5 V DC
Temperature:	-20 – 60 C
Connectivity:	2.4 GHz Bluetooth, 3.4944 to 6.4896 GHz (UWB), RS232 (optional)



Mounting

Depending on end user requirements, mounting methods will vary.

Regulatory and Legal Information

The Kinexon Receiver has been designed to be in compliance with both the U.S. FCC Part 15 subpart F regulations, sections 15.519 and 15.521 and with the European Union ETSI EN 302 065 standards. Two different versions of the Kinexon Receiver are available, one version supports the FCC emissions mask (Region 1) and the second supports the ETSI standard mask (Region 2).

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Intended Use

This manual describes the setup and use of the Kinexon Tag. Use this product only for the purpose it was designed for.

FCC Compliance

This device complies with 47 CFR Part 15 of the FCC Rules. 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.

The user is cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device may not be employed for the operation of toys. Operation onboard an aircraft, a ship or a satellite is prohibited.

The use of this device mounted on outdoor structures, e.g., on the outside of a building or on a telephone pole, or any fixed outdoors infrastructure is prohibited.

Moreover, the following statements apply:

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 in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or

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television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Important Notice

This equipment may only be operated as a handheld device. Operation with fixed outdoor antennas is prohibited and could subject the operator to serious legal penalties.

The Kinexon Tag will only operate (i.e. transmit UWB signals) when activated within a Kinexon network.

FCC Caution

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines. This equipment has very low levels of RF energy that are deemed to comply without testing of specific absorption ratio (SAR).

Safety Information

- Read and follow all instructions before using the Kinexon Tag.
- Never open the case of the Kinexon Tag. There are no user serviceable parts or replaceable parts inside the case.
- Do not use the Kinexon Tag if it has been damaged.