

## RTLS Blink Repeater

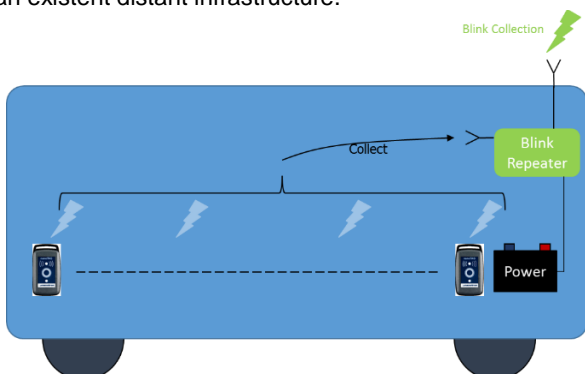
### Relay your trapped tag signals to the location infrastructure

Never loose tags which are caught in an RF resistant vehicle or environment

Due to the Faraday cage effect radio signals of tags are trapped inside vehicles, wagons or inside metallic objects. The Blink Repeater has been developed to overcome this problem. The tag signals are gathered inside the vehicles and sent as collection to the anchors outside. The anchors will observe the position of the tags as a single group located at the coordinates of the Blink Repeater. Up to 336 tags can be collected by a single Blink Repeater. It is designed to operate with nanotrons tags, anchors and the location engine nanoLES. E.g. nanoTAG, nanoTAG RX, nanoANQ V2, nanoANQ XT, nanoANQ EM and nanoLES 3.

### Use Cases

The Blink Repeater can be used to relay tags from cars, busses, trucks, wagons, lifts, etc. or as proximity detector for automatic door opening systems. Further it can be used to check the presence or to count the number of objects in a given zone without the need to install an infrastructure to a far place. The Blink Repeater will relay with a high gain antenna the tags detected in its zone to an existent distant infrastructure.



### Easy to use

The repeater is easy to use. Just fix it to the vehicle or a wall, connect it to a power supply, the internal and external antennas and configure the key parameters if necessary via the USB connector. Latter can also be used for firmware updates if needed.

### Key features of the Blink Repeater

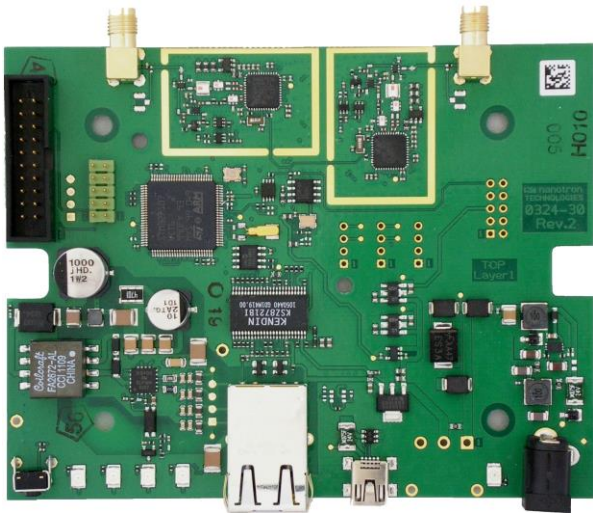
- 2.4 GHz ISM band
- Localization accuracy of the Blink Repeater ca. 1.5 m
- Localization of the tags equals the Blink Repeater position
- Configurable time to collect tags
- Configurable repetition time
- Adjustable Tx power
- Adjustable Rx sensitivity
- USB for configuration and updates
- Temperature -30° to +70° C
- Voltage
  - +3.0 to +3.6 Volts Blink Repeater - mini
  - +12 V to +24 Volts Blink Repeater
- Size
  - 85.6 x 54.0 x 8.8 mm<sup>3</sup> Blink Repeater - mini
  - 120 x 100 x 18 mm<sup>3</sup> Blink Repeater
- Weight
  - 18 g Blink Repeater - mini
  - 65 g Blink Repeater

## Two Variants

Blink Repeater - mini: Credit card size (surface) and U.FL connectors



Blink Repeater: Extended voltage range and SMA connectors



## Ordering Information

Order no.	Description
MNACORBLRP	Blink Repeater
MNACORBLRPM	Blink Repeater - mini

## About Nanotron Technologies GmbH

Today nanotron's *embedded location platform* delivers location-awareness for safety and productivity solutions across industrial and consumer markets. The platform consists of chips, modules and software that enable precise real-time positioning and concurrent wireless communication. The ubiquitous proliferation of interoperable location platforms is creating the location-aware Internet of Things.

### Further Information

For more information about products from nanotron Technologies GmbH, contact a sales representative at the following address:

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