

User Manual

I. Configuration

The RI-9000 RFID reader is a device for reading and writing ID Tags using 2404 ~ 2476MHz Microwave. It is powered and can be adopted for 12 VDC. The RI-9000 has built-in antennas for communication with the Tags and various serial interfaces for communication with a host computer. The RFID reader also provides a movement detection function which can detect moving objects in the reading zone (also non-Tagged objects). Two hundred frequency channels are available. It also has a real-time-clock, 2/4Wire RS485 interface and a connector for an optional board.

It has no database memory, no real-time-clock, no optional card connector and the second serial interface is only 2Wire RS485. Refer to the datasheets for details.

See the figure below for the configuration of RI-9000 RFID Reader

Parameter

Size: 340*270*135(mm)

Voltage: 12 VDC(Supplied by adaptor)

Current: 1000mA

Freq range: 2404 ~ 2476MHz

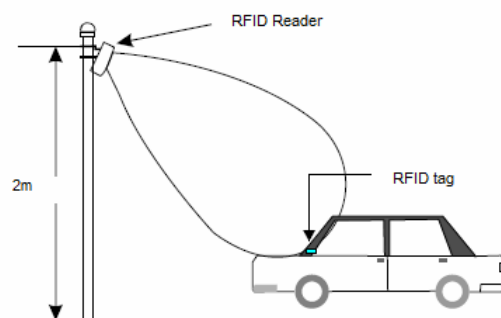


图 2-2

II. Attention

Before using this product, please read this user manual carefully and keep it for future reference.

Please keep this product away from children.

If the following problems occur (although they seldom happen) or you are worried about the security, please stop using this product and cut off the power before gaining guidance from

IV. Delivery

Before product delivery, a unique ID is written into the tag and all the parameters like the frequency and power have been set according to the requirements of countries and regions to use the product, so normally the product need not re-setting up. Please contact with the customer support centre if you require adjustment or have any questions.

V. Purpose

The Tag is a key component of the Location System. These dedicated battery-powered

Tags send compatible messages at pre-defined intervals and can be attached to non-Wi-Fi assets in order to locate them. Tags send messages with their unique ID number

that are detected by Location Receivers and used to estimate the Tag's location.

The tag used in logistics, warehousing, personnel management, asset management and other fields, not only suitable for large-scale multi-object recognition at the same time, but

also for small-scale management to identify a single goal.

VI. How to use

To ensure the reading performance, tags in the work mode can not be folded or sharply

bent. Do not attach metal to the tag or place it in a close metal container.

The microchip is protected by special gel and can endure certain front strike but the tag

should be kept away from sharp objects to prevent damage.

The tag goes to the work mode without any human intervention.

VII. Maintenance

Do not rip the tag open.

Keep the tag in a clean and dry environment away from the water.

When it looks dirty, clean the surface with a dry cleaning rag. Do not use organic

solvent.

When trouble occurs, please stop using this product and contact with the customer support centre.

VIII. Environment protection

This product can not be thrown away with other household waste but should be handed

over to the official recovery office to avoid environmental pollution.

XI. FCC regulatory information

Note: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modification to this equipment. Such modification could void the user's authority to operate the equipment.

Statement:

The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. Users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.