

To Customers

Thank you very much for your favor of our products! This manual aims to enable you quickly grasp the use of the product.

This manual applies to the following model:

GTW-RFID_IN/OUT Patrol Beacon

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Preface

This section describes readers, conventions and revision history of this document.

Documentation Conventions

- **Icon Conventions**

Icon	Description
 Tip	Indicates information that can help you make better use of your product.
 Note	Indicates references that can further describe the related topics.
 Caution	Indicates situations that could cause data loss or equipment damage.
 Warning	Indicates situations that could cause minor personal injury.
 Danger	Indicates situations that could cause major personal injury or even death.

- **Notation Conventions**

Item	Description
“ ”	The quotation marks enclose the name of a software interface element. For example, click “OK”.
【】	The text in boldface denotes the name of a hardware button. For example, press the 【PTT】 key.
>	The symbol directs you to access a multi-level menu. For example, to select “New” from the “File” menu, we will describe it as follows: “File > New”.

Revision History

Version	Release Date	Description
V1.0	March 2017	Initial release.

1. Safe Use Instructions

- Anyone who uses this product must comply with the standard safety requirements and read the certificate carefully to avoid improper operation or damage to the machine.
- It is strictly prohibited to connect and disassemble this product in dangerous places.
- It is strictly prohibited to dismantle or refit products that have been certified by explosion-proof testing institutions in any way. Only the original manufacturer of the product can be refitted within the permitted scope of the explosion-proof inspection institution.
- Please use this product in the temperature range of -20° C to +50° C.
- Please do not approach the magnetic sensitive electronic equipment when using this product.

2. Specification

Model	GTW-RFID_IN/OUT
Description	Patrol Beacon
RFID Frequency	2.4GHz
RFID Distance	>10M
Dimension	Φ75mm*25mm
Weight	72g
Input Voltage	2.5V~3.6V
TX Power	-30dbm~4dbm, adjustable
Operating Temperature	-20° C~+50° C
Storage Temperature	-40°C~+60°C
ESD	Contact discharge ±8KV, air discharge ±15KV
Other Requirements	Accorded with reliable test standards.

3. GTW-RFID_IN/OUT Patrol Beacon

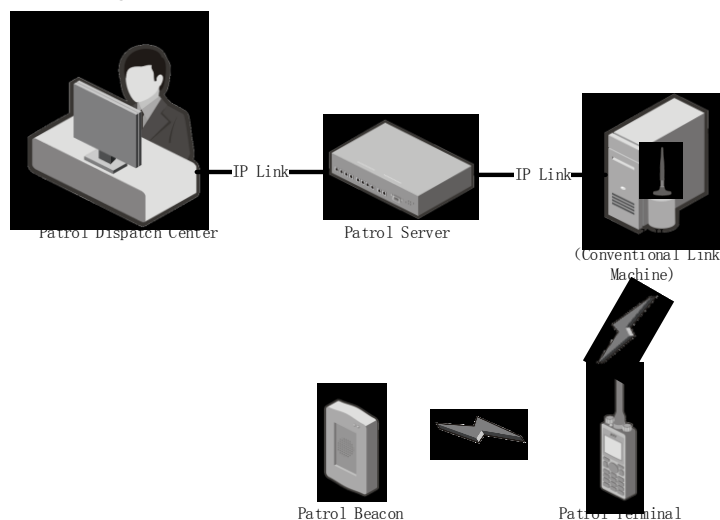
3.1 Packing List

The GTW-RFID_IN/OUT package contains the following items. If any item is missing or damaged, please contact the dealer you purchased.

No	Item	Quantity
1	Patrol Beacon	1
2	User Manual	1
3	Battery	2

3.2 Product Overview

GTW-733 digital patrol system adopts RFID technology, transmits data through DMR/DMR digital talkback platform. The system can be applied on railways, prisons, schools, hospitals, shopping malls, mansions, factories, warehouses, fields and other industries which have fixed patrol demand on equipment and pipelines. The system helps executive and managers to monitor and manage patrol staffs and patrol records efficiently. The system is able to process patrol result automatically, including checking, result storage, result inquiry and report printing. In addition, it is able to make detailed record of patrol performance of a certain routine in a given period. The system consists of patrol beacon, patrol terminal and patrol dispatching platform with functions of patrol, dispatch, record, track replay and etc.



Patrol System Architecture

GTW-RFID_IN/OUT patrol beacon is a RFID tag applied in patrol system, the main function of which

is sending patrol beacon information regularly and communicating with patrol devices.



GTW-RFID_IN/OUT Patrol Beacon

3.3 Instructions

1. Open the beacon rear cover, load the battery and install the rear cover.
2. Select the appropriate location to fix the beacon points
3. Use matched hand-held patrol measuring device to configure patrol beacon. Then the patrol beacon can be normally functioning.
4. When one carries an intercom (shoulder type) with patrol function entering in the scope of an explosion proof patrol beacon, the intercom (shoulder type) will receive ID information of the beacon, then transmit the checking data to complete a patrol check behavior.

4. Care and Cleaning

To guarantee optimal performance as well as a long service life of the product, please follow the tips below.

4.1 Product Care

- Do not pierce or scrape the product.
- Keep the product far away from substances that can corrode the circuit.

4.2 Product Cleaning

- Clean up the dust and fine particles on the product surface and charging piece with a clean and dry lint-free cloth or a brush regularly.
- Use neutral cleanser and a non-woven fabric to clean the keys and surface after long-time use. Do not use chemical preparations such as stain removers, alcohol, sprays or oil preparations, so as to avoid surface damage.
- Make sure the product is completely dry before use.

5. Quality Assurance and Maintenance Terms

We promise that the product produced by our company can enjoy the warranty service under the contract from the date of purchase if there is any occurrence of the defects in material or manufacturing process under the condition of normal use, operation and maintenance.

5.1 Scope and Duration of Warrant

6 months

Caution

Please pack the product carefully and mail the detailed breakdown instructions to the original purchase point or the after-sales service point designated by our company. You can also get help by calling our service hotline 400-830-7020.

5.2 The guarantee clauses do not include the following:

- The expiration date of the warranty is beyond the warranty.
- Failure or damage caused by the use and maintain which are not following the instructions.
- Failure or damage caused by the use of this product under abnormal and unconventional circumstances.
- Failure or damage caused by software upgrading and firmware dismantling without the authorization of our company.
- The products that with torn up or erased label or sequence number.
- The purchase date of products can be identified.
- Failure or damage caused by force majeure (such as earthquake, flood, fire, etc.).
- The appearance of the product has normal wear and tear.

5.3 Notes

- Within the limits of the law, we shall not be liable for losses exceeding the purchase price of the product in any case, and are not liable for any incidental, special or secondary damage resulting from the use of loss, time loss, business loss, profit or income loss, and no use of the product.
- This maintenance terms is based on the relevant state warranty regulations. The terms will be amended accordingly. For specific modifications, please refer to the notice of change in the terms of maintenance issued by our customer service center. The other unfinished matters should be subject to the relevant state regulations.

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FCC Statement

This equipment has been tested and found to comply with the limits for a Class B 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 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 into 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.

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

§ 15.19 Labeling requirements.

This device complies with 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.