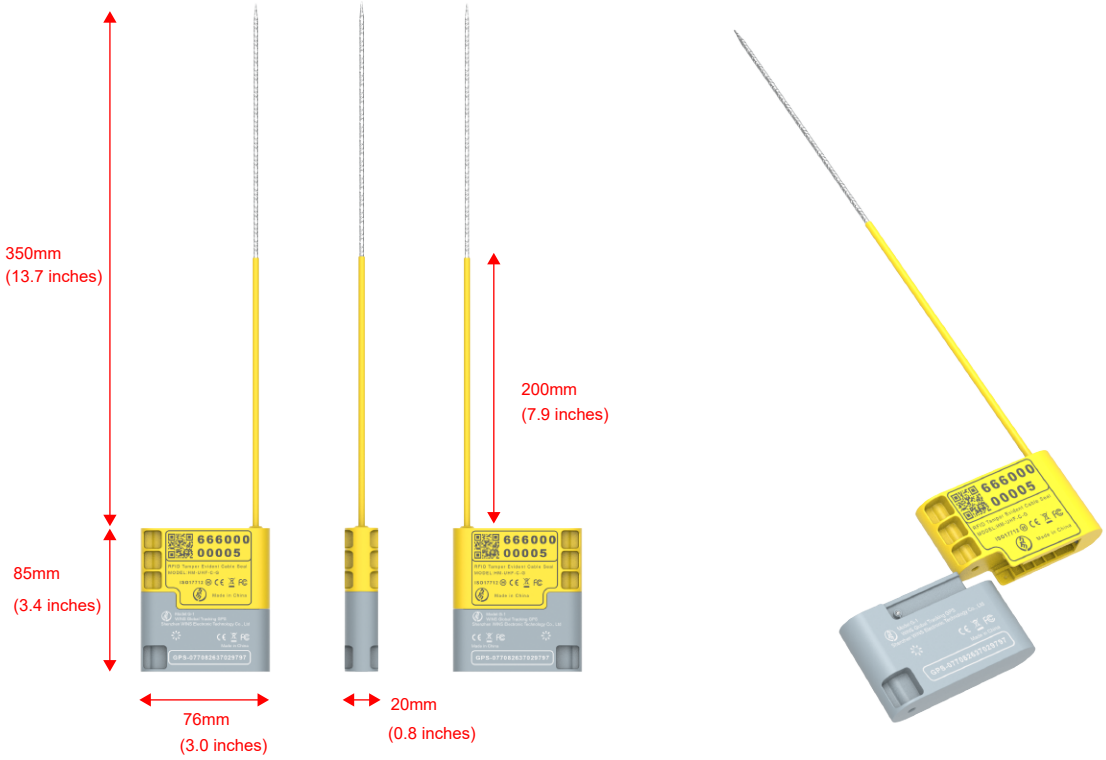
OWNER'S MANUAL

RFID TAMPER EVIDENT CABLE SEAL

Model HM-UHF-C-G
Version:V1.0



SHENZHEN WINS ELECTRONIC TECHNOLOGY CO.,LTD

SAFETY ALERT

Please Read and follow all the notices found throughout the manual.

It is the consumer's responsibility to ensure the unit is properly assembled, installed, and maintained. Failure to follow the instructions in this manual could cause personal injury and property damage.

Please read all sections of this manual carefully before assembly. Retain this manual for future reference.

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Product information

1. Shape and structure

1) Material: shell ABS
2) Overall size: 3.4*3.0*0.8 inches, wire length: 13.7 inches.
3) Initialization: Initial data is written according to the delivery of the label product Meet Party A's requirements.
4) Printing: Delivery of label products according to Party A's requirements. They can print and scan QR codes that are clear and conspicuous Wear.

2. Performance

1) Positioning: built-in GPS/G-sensor/GSM module,always and everywhere, check the current position and status of the tag lock, and the intelligent algorithm realizes static sleep and extends working time.
2) Features: anti-metal UHF electronic tag.
3) Working frequency: 902-928MHz.
4) Working mode: passive.
5) Special function: The tab has two states: locked state and unlocked state. Status bits: 8040 is locked; 0040 is unlocked.
6) Reading distance: 0-7m (matching antenna power: 12dB. depending on the working environment).
7) Tag data: ID, TID number and status bit can be read at the same time.
8) Number of reads and writes: > 100,000 times.
9) Working temperature: -20°C~+60°C
10) Storage temperature: -25°C~+85°C, relative humidity: 5%~95%
11) Metal resistance: The label is suitable for metal surface equipment.
12) Traction force: F≥10KN
13) Waterproof grade: IP55.

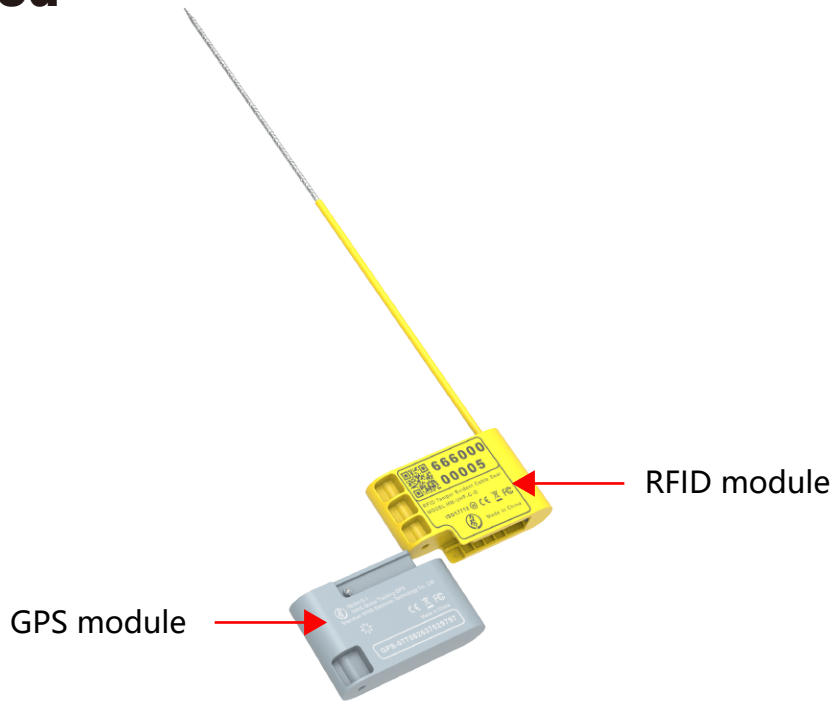
3 Communication protocol

The communication protocol of the electronic tag complies with《EPC™Radio-Frequency Identity ProtocolsClass-1 Generation-2 UHF RFIDProtocol for Communications at 860 MHz – 960 MHz》(Abbreviation EPC GEN2) ISO180000-6C、18000-6C(63) ISO/IEC18000-6D(64) Communication standard.

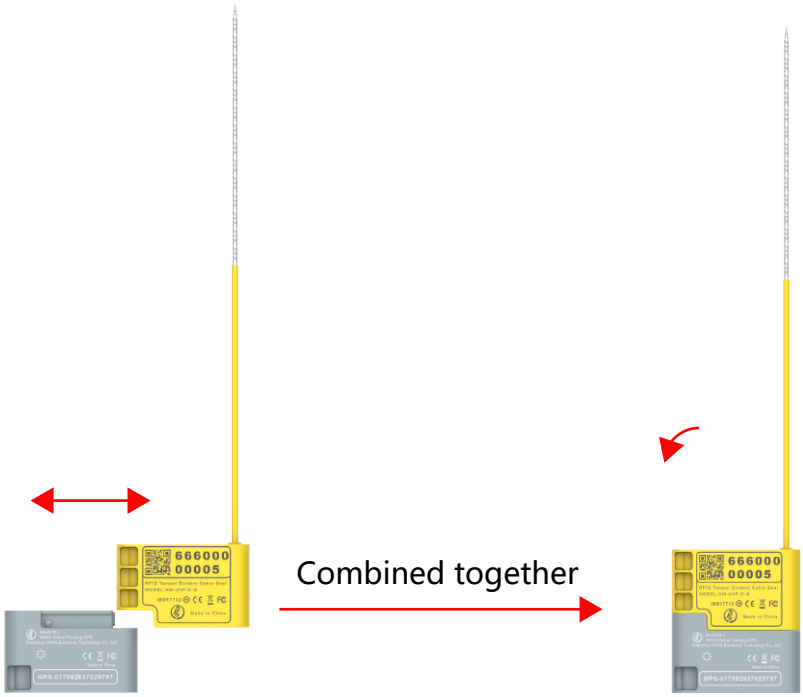
4. Factors affecting label life or performance

1）Strong collision, bending, and breaking will cause damage to the structure of the internal antenna and affect the reading performance of the tag.
2）Exposure to sunlight can easily cause aging of label surface materials.
3）Metal labels attached to non-metallic surfaces, or metal labels attached to metal surfaces may affect label performance.
4）There is water or high humidity on the surface, which will attract electromagnetic waves and degrade the performance of the label.
5）When there are many metal environments around the label, signal reflection occurs, and the direction of the signal cannot be controlled, which may cause misreading.

Usage method



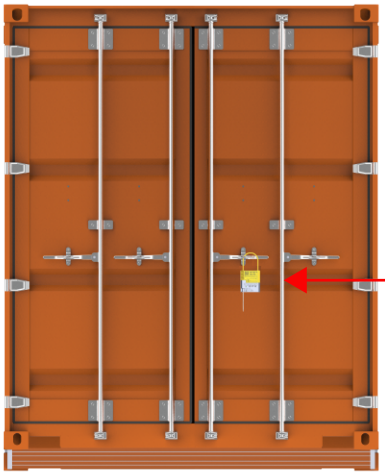
1 Combine RFID module and GPS module together.

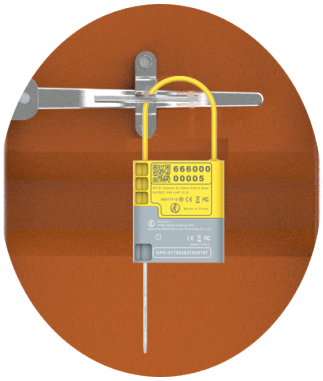


❷ Locked.

⚠ Locking reference sheath position

After locking, the indicator flashes to the network state,
and the indicator turns off after the network is successfully connected.





❷ Recycle GPS modules.

Cut

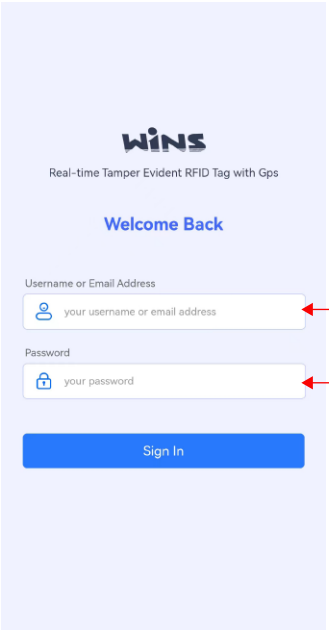
After cutting the wire,
pull out the wire from the bottom

⚠ Do not put your fingers in the scissors.

Query label location information

Browser input: WWW.WINS-GPS.COM.

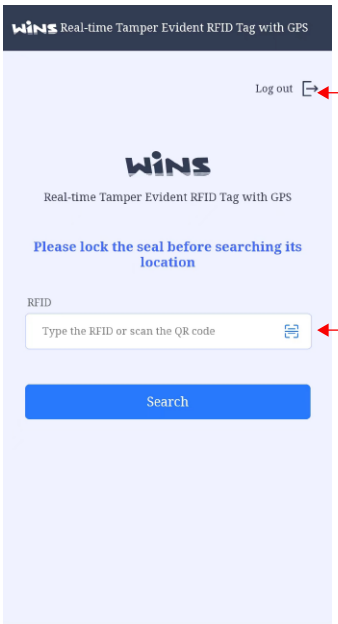
1



Account

password

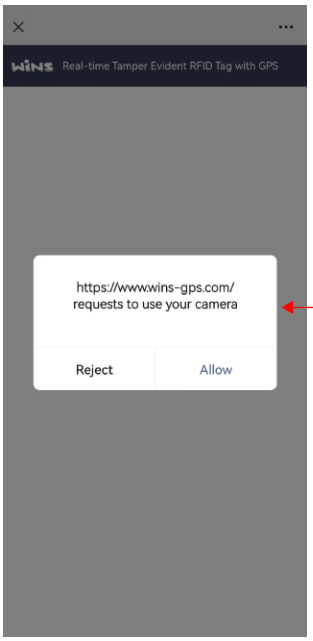
2



Log out

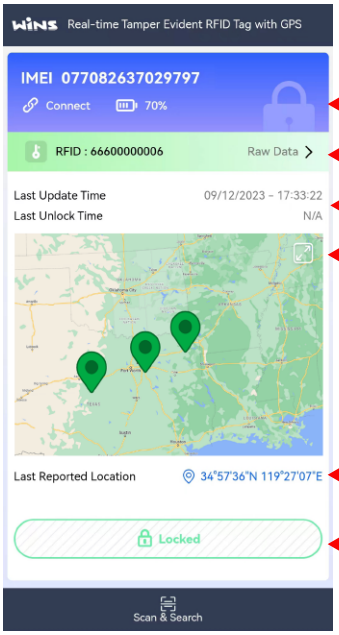
Support scanning QR code and entering number

3



To scan the code, you need to enable the device camera permission

4



Battery level information

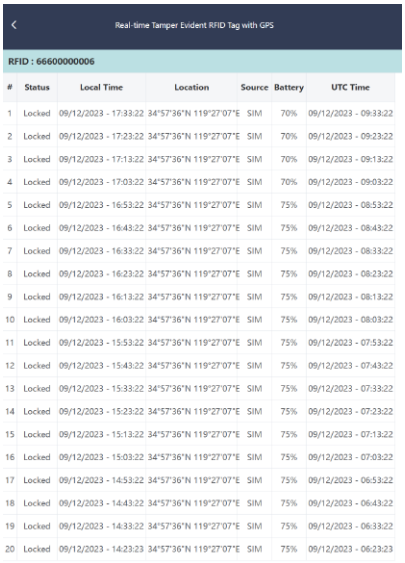
Raw Data

Time information

Support for zooming in

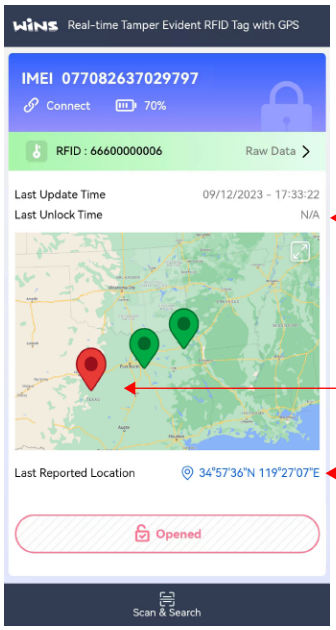
Map location information

Status information
for the label lock



#	Status	Local Time	Location	Source	Battery	UTC Time
1	Locked	09/12/2023 - 17:33:22	34°57'36"N 119°27'07"E	SIM	70%	09/12/2023 - 09:33:22
2	Locked	09/12/2023 - 17:23:22	34°57'36"N 119°27'07"E	SIM	70%	09/12/2023 - 09:23:22
3	Locked	09/12/2023 - 17:13:22	34°57'36"N 119°27'07"E	SIM	70%	09/12/2023 - 09:13:22
4	Locked	09/12/2023 - 17:03:22	34°57'36"N 119°27'07"E	SIM	70%	09/12/2023 - 09:03:22
5	Locked	09/12/2023 - 16:53:22	34°57'36"N 119°27'07"E	SIM	75%	09/12/2023 - 08:53:22
6	Locked	09/12/2023 - 16:43:22	34°57'36"N 119°27'07"E	SIM	75%	09/12/2023 - 08:43:22
7	Locked	09/12/2023 - 16:33:22	34°57'36"N 119°27'07"E	SIM	75%	09/12/2023 - 08:33:22
8	Locked	09/12/2023 - 16:23:22	34°57'36"N 119°27'07"E	SIM	75%	09/12/2023 - 08:23:22
9	Locked	09/12/2023 - 16:13:22	34°57'36"N 119°27'07"E	SIM	75%	09/12/2023 - 08:13:22
10	Locked	09/12/2023 - 16:03:22	34°57'36"N 119°27'07"E	SIM	75%	09/12/2023 - 08:03:22
11	Locked	09/12/2023 - 15:53:22	34°57'36"N 119°27'07"E	SIM	75%	09/12/2023 - 07:53:22
12	Locked	09/12/2023 - 15:43:22	34°57'36"N 119°27'07"E	SIM	75%	09/12/2023 - 07:43:22
13	Locked	09/12/2023 - 15:33:22	34°57'36"N 119°27'07"E	SIM	75%	09/12/2023 - 07:33:22
14	Locked	09/12/2023 - 15:23:22	34°57'36"N 119°27'07"E	SIM	75%	09/12/2023 - 07:23:22
15	Locked	09/12/2023 - 15:13:22	34°57'36"N 119°27'07"E	SIM	75%	09/12/2023 - 07:13:22
16	Locked	09/12/2023 - 15:03:22	34°57'36"N 119°27'07"E	SIM	75%	09/12/2023 - 07:03:22
17	Locked	09/12/2023 - 14:53:22	34°57'36"N 119°27'07"E	SIM	75%	09/12/2023 - 06:53:22
18	Locked	09/12/2023 - 14:43:22	34°57'36"N 119°27'07"E	SIM	75%	09/12/2023 - 06:43:22
19	Locked	09/12/2023 - 14:33:22	34°57'36"N 119°27'07"E	SIM	75%	09/12/2023 - 06:33:22
20	Locked	09/12/2023 - 14:23:23	34°57'36"N 119°27'07"E	SIM	75%	09/12/2023 - 06:23:23

5 Status information after opening.



It can display the time
and place of unlocking

FCC WARNING

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.

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

NOTE: 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.

To maintain compliance with FCC' s RF Exposure guidelines, This equipment should be installed and operated with minimum 20cm distance between the radiator and your body: Use only the supplied antenna.