TROVA Home Description of storage box

Model: TRVHOM1

Function: store jewelry, jewelry, glasses, cigarettes and personal items

Use process

- Start UP
    - Short press the On/Off key to start the machine, the Bluetooth starts, the gyroscope and alarm program begin to execute, and the red and green lights of the RG LED flash alternately
- Power on timeout is not connected
    - After Trova secure case is powered on, if there is no connection for more than 30s, Bluetooth will be turned off and the red LED will flash for 300ms/time.
- Bluetooth starts pairing
- When Bluetooth is enabled for pairing, the white LED flashes for 200ms/time
- Bluetooth connection is in progress
    - When Bluetooth is connected, white LED lights up continuously for 10s
- Bluetooth has been connected
    - After successful Bluetooth connection, all LED lights are off
- Query Trova secure case switch information
    - ✧ Trova secure case
    - When Bluetooth is connected, you can send a query command to the Trova secure case through the APP to obtain the latest information about the startup and shutdown of the Trova secure case.
- Delete Trova secure case switch information
    - When Bluetooth is connected, you can send a delete command to the Trova secure case through the APP to delete the latest startup/shutdown information of the Trova secure case.
- Query the touch information of Trova secure case
    - When Bluetooth is connected, you can send query instructions to Trova secure case through APP to obtain the latest touch information of Trova secure case.
- Delete the touched information of Trova secure case
    - When Bluetooth is connected, you can send a delete command to Trova secure case through APP to delete the latest touch information of Trova secure case.
- Query Trova secure case battery information
    - When Bluetooth is connected, you can send a query command to Trova secure case through APP to query the current battery power of Trova secure case.
- Set the safe distance of Trova secure case
    - When Bluetooth is connected, you can send setting instructions to Trova secure case through APP to set the safe distance of Trova secure case.

- Open the mechanical lock of Trova secure case

  When Bluetooth is connected, you can send the unlock command to the Trova secure case through the APP to open the mechanical lock of the Trova secure case.

- Open the cover of Trova secure case

  When Bluetooth is connected, it sends instructions to the APP through the Trova secure case, indicating that the cover of the Trova secure case is opened, and the white LED flashes for 2s.

- Timeout alarm if the box is not closed for a long time

  When the cover of the Trova secure case is opened for more than 39s and is not closed, the Trova secure case will give an alarm and the red LED will flash for 300ms/time.

- Mechanical lock has not been locked for a long time and gives an alarm

  When the mechanical lock of the Trova secure case is not locked for more than 15s, the Trova secure case will give an alarm and the red LED will flash for 300ms/time.

- Close the cover of Trova secure case

  When Bluetooth is connected, it sends instructions to the APP through the Trova secure case, instructing the cover of the Trova secure case to be closed, and the green LED flashes for 2s.

- Indicate the status of locks and covers

  When Bluetooth is connected, it sends instructions to the APP through the Trova secure case, indicating the current status of the cover and lock of the Trova secure case.

- Lock the mechanical lock of Trova secure case

  When Bluetooth is connected and the cover is closed, the lock command is sent to Trova secure case through APP.

- Disconnect the Bluetooth connection

  When the Bluetooth is disconnected, the red LED flashes 300 ms/time.

- Low power alarm

  When the battery power of Trova secure case is lower than 5%, the low power alarm starts, and the red light starts flashing 300 ms/time.

- Power indication

  When the battery power is greater than 30%, press the button and the green light flashes for 3S.

  When the battery power is 30%~20%, press the button and the yellow light flashes for 3S.

  When the battery power is less than 20%, press the button and the red light flashes for 3S.

  When the battery power is greater than 5%, the red light flashes 300 ms/time.

- Charging indicationWhen the battery power is less than 10%, the red light flashes for 3S.

  When the battery power is less than 30%, the yellow light flashes for 3S.

  When the battery power is greater than 30%~40%, the green light flashes for 3S.

  When fully charged, the green light is always on.

- Automatic locking

  The Trova secure case is automatically locked in case of power failure or low power.

- **Reset**
  - ✧ When the Trova secure case crashes or software fails, long press the power on key for 6s before resetting.

Data interaction process after APP and Bluetooth connection

Open the mobile phone Bluetooth and download the corresponding APP;

If it is used for the first time, the APP will pop up the user registration form;

Successful APP registration prompts the user to log in;

After logging in to the APP, 1) the new user will prompt the user to start the box and match it. If it is the first time to use it, a pop-up window will prompt the user whether to bind the box after the matching is successful. Select "Yes" to continue to pop up whether to set the current user as the super user of the bound box. Select "No" to enter the APP function interface without binding the box; 2) If the old user has been bound before, he/she will directly enter the APP function interface, and the super user will display the current status of the box: on/off status, GPS position information, on/off history, collision record, battery power, etc;

Super users can enter the setting interface to manage multiple ordinary users under the same box, and add functions such as deleting ordinary users;

The box needs to send its own MAC address to the APP, which records the MAC address and saves it, and then uploads it to the server through the network together with the user ID for association registration on the server;

Super users need to connect to the server through the APP to authorize multiple ordinary users;

Unlock: The APP sends the unlock command, and the box uploads its MAC address. The APP uploads the MAC address and user ID to the server for authentication. The authentication returns the unlock command to the APP, and the APP sends the unlock command to unlock; In other states, the lock cannot be unlocked (for example, if the verification fails, the APP is affected by the network and does not receive relevant instructions and other abnormal states);

Every time the box is unlocked and locked, whether the ordinary user has opened it or not, and other abnormal states (such as location changes) should be recorded in the box local. When connecting with the APP, the data is uploaded to the APP. If it is a super user, it will be displayed to prompt the user, while the ordinary user will not display these information;

The user can set the distance between the box and the user's handheld terminal (mobile phone, tablet, etc.) through the APP. If the distance exceeds this setting, the APP will give an alarm,

The box is locked by default, and automatically locked when there is no power or low power.

FCC Statement

1. 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.

(2)This device must accept any interference received, including interference that may cause undesired operation.

2. 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 frequence 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 accor in a particular installation. if this equipmemt 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 autlet on a circuit different from that to which the receiver is connectec.
• Consult the dealer or an experienced technician for help.

FCC Radiation Exposure Statement
The device has been evaluated to meet general RF exposure requirement.
The device can be used in mobile(min20cm) exposure condition.