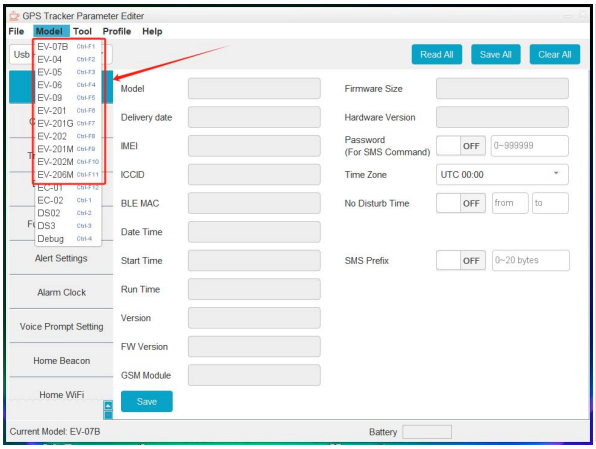
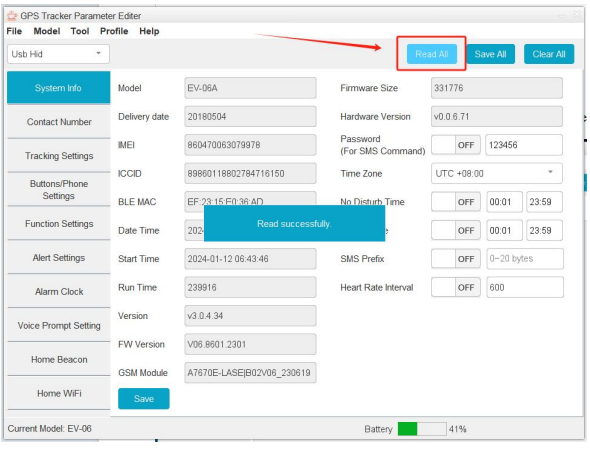
ParamEdit Tool User Guide

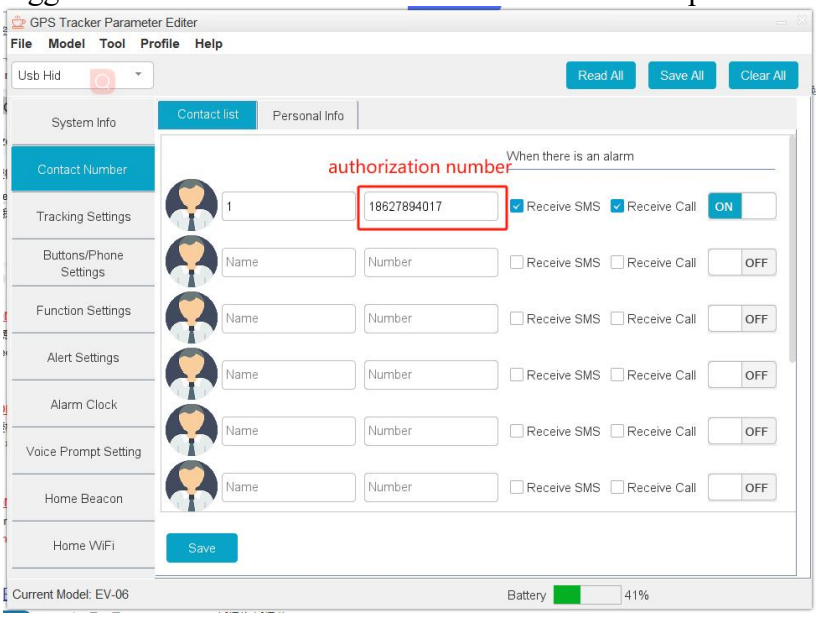
Connect the device using a USB cable, open the tool, select the device model, and “read” device information.





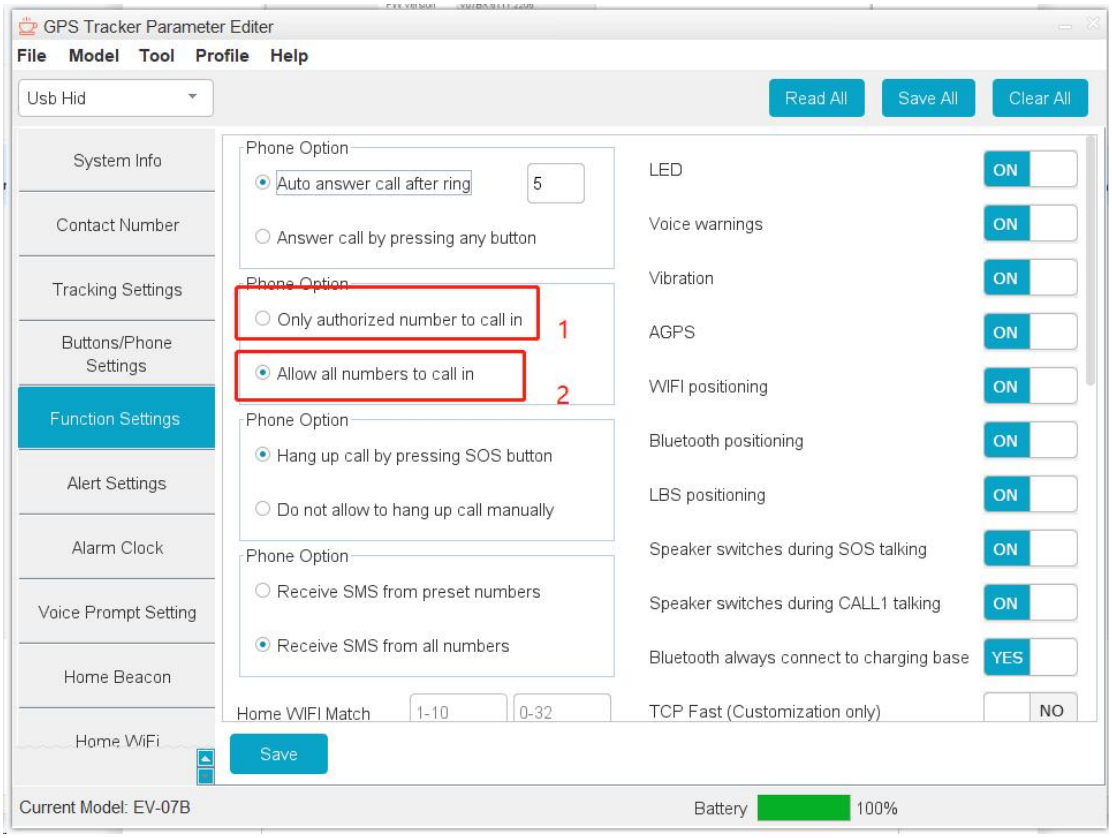
Set up phone whitelist

After entering the phone number, you need to check the buttons for receiving SMS and receiving incoming calls as needed. Otherwise, you will not receive SMS and incoming call notifications. The toggle button is used to turn on or off contact for this person.



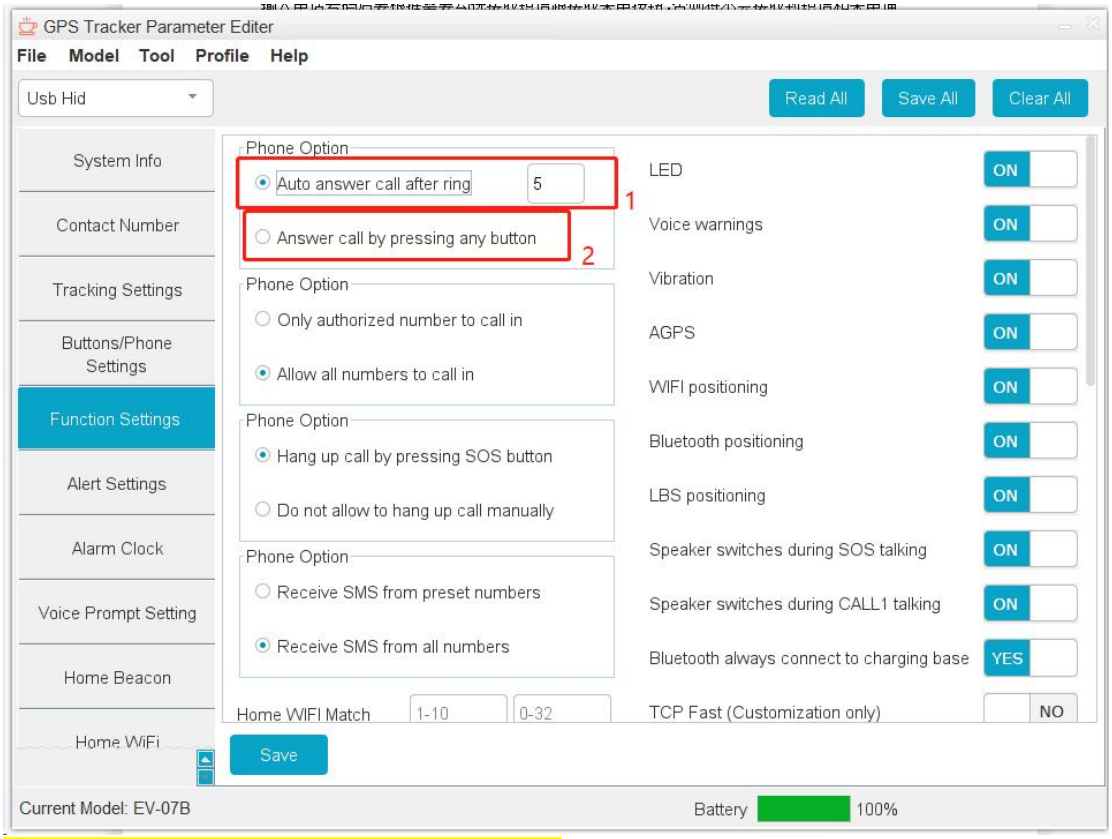
Set up which numbers the device can receive calls from.

Option 1 indicates that it can only receive calls from contacts in the whitelist, while Option 2 allows it to receive calls from any number.



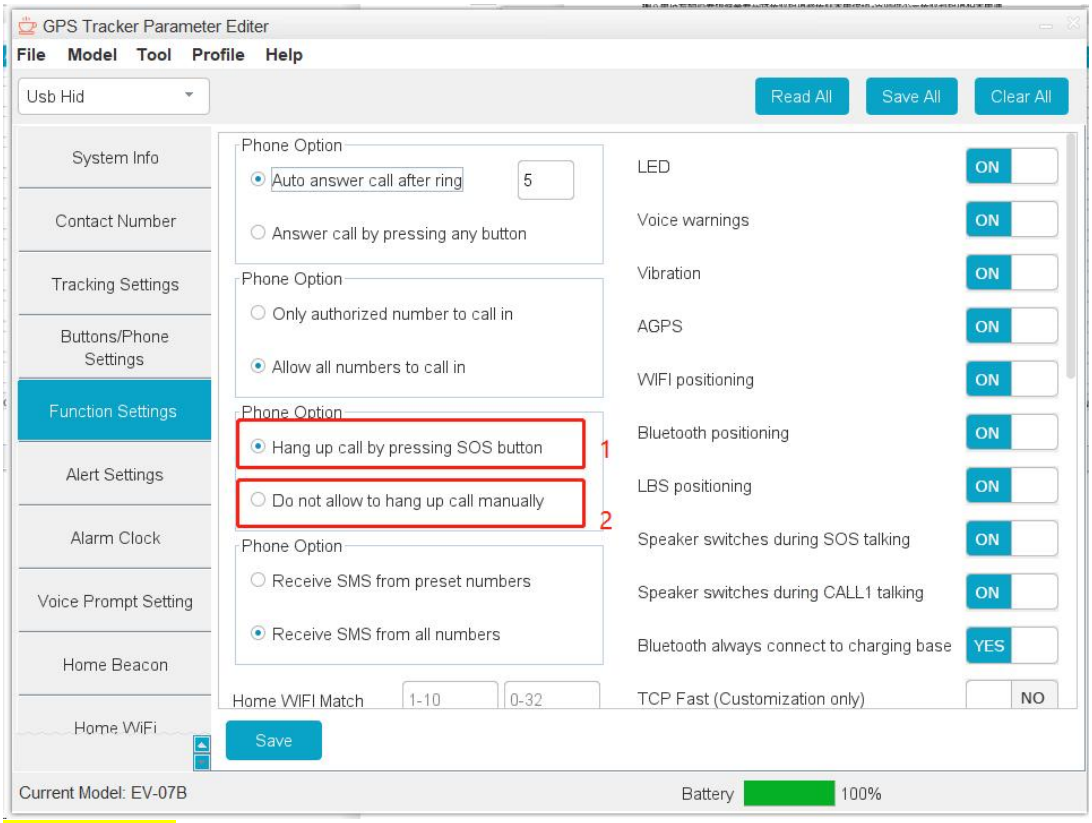
Set up the method for answering incoming calls.

- Option 1 indicates automatically answering incoming calls after ringing five times.
- Option 2 indicates answering incoming calls by pressing any button on the device after the call comes in.



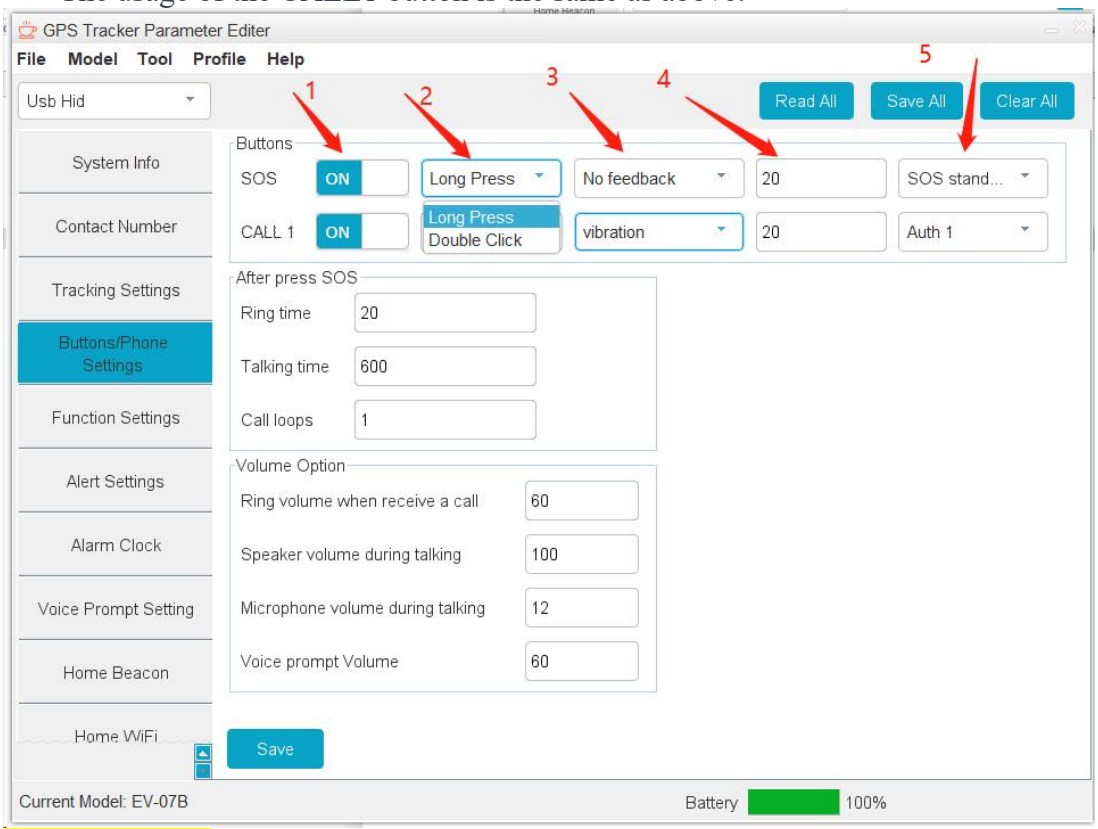
Set up the method for ending a phone call.

- Option 1 indicates hanging up the phone by pressing the SOS button.
- Option 2 indicates that it is not possible to manually end the phone call.



SOS button:

- Step 1: First, activate the SOS button.
- Step 2: Choose the activation method as a long press or double press.
- Option 3: Set the feedback after the button press, which can be vibration or no response. Option 4: Set the button activation time (shown as 2 seconds in the figure).
- Option 5: Set the function triggered by this button.
- The usage of the CALL1 button is the same as above.

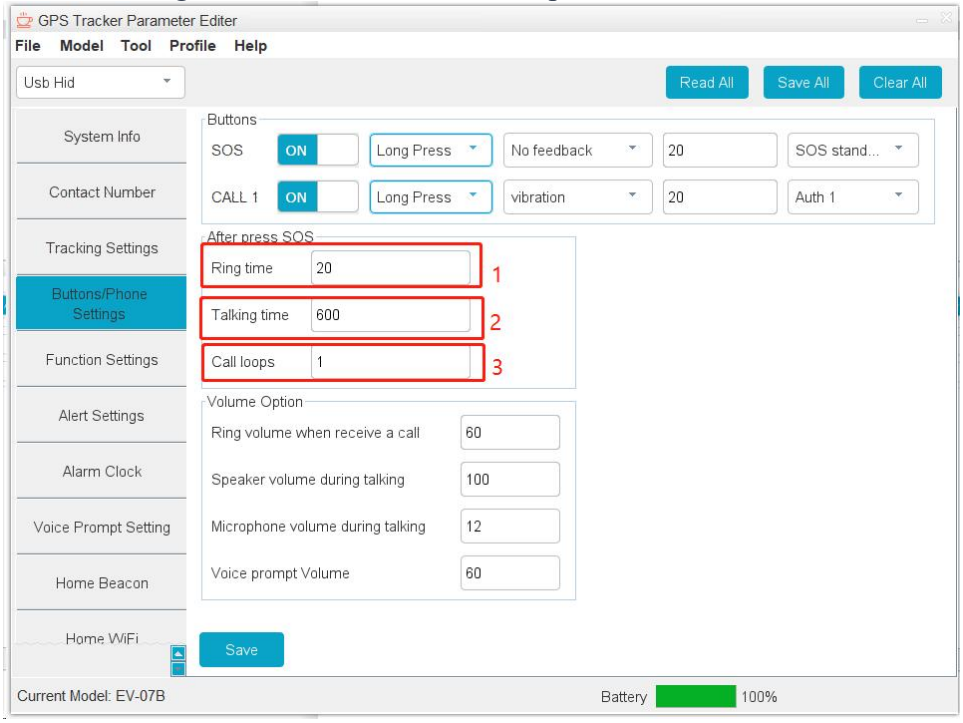


After press SOS

- Option 1 is the ring duration in seconds. If there is no answer after reaching the ring duration, the system will dial the next contact in the whitelist in order. (Since the dial-out time is the

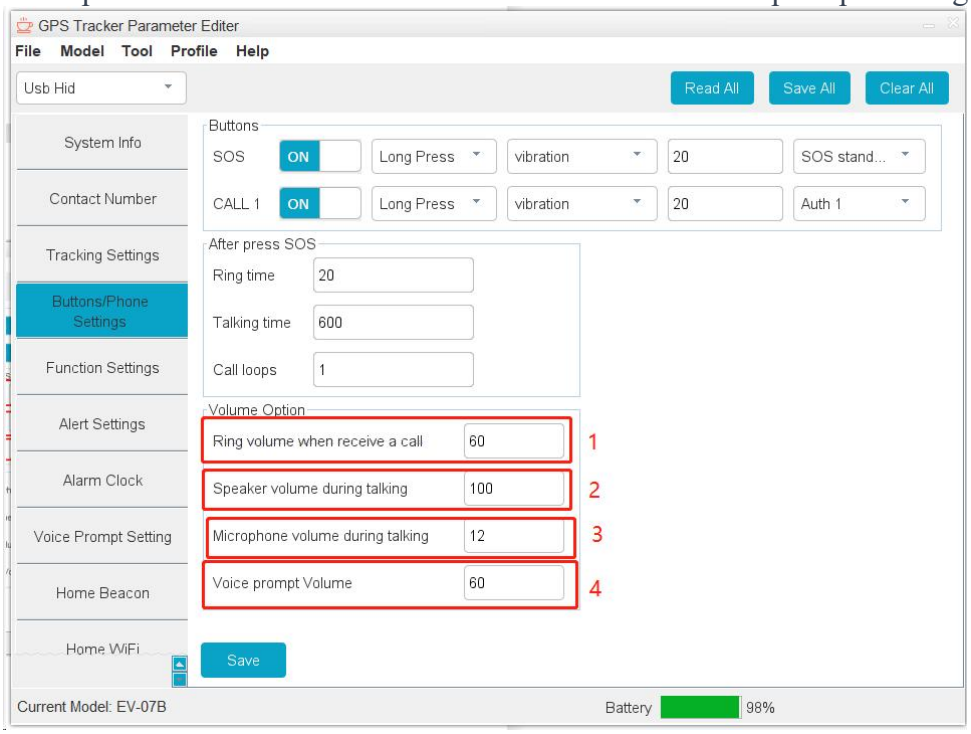
reference, there may be a deviation in the ring time).

- Option 2 is the call duration (the call will be automatically disconnected after reaching the specified duration).
- Option 3 is the loop count. Users can set the SOS loop count according to their needs. When the call is not answered, the system will repeatedly dial the number to ensure a higher success rate in answering and reduce the number of operations.



Volume Settings

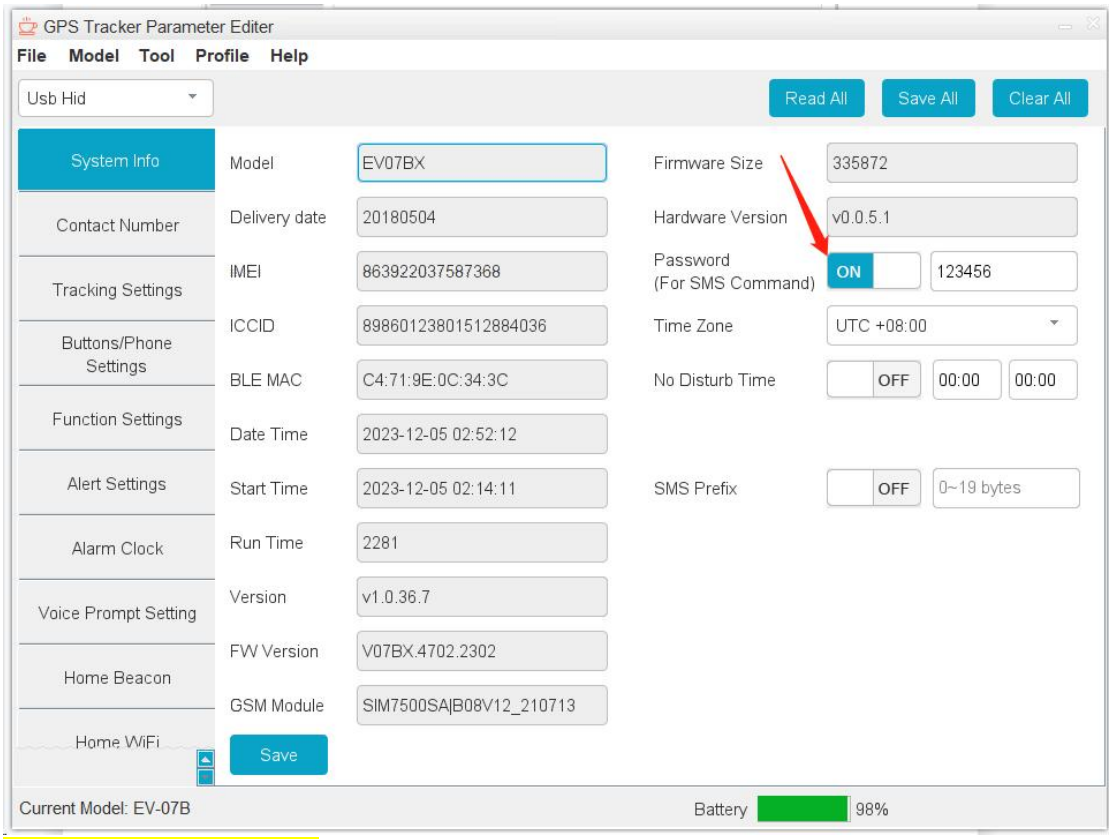
- Option 1 is used to set the volume of the phone ringtone.
- Option 2 is used to set the volume of the earpiece during a call.
- Option 3 is used to set the volume of the device's microphone ringtone during a call.
- Option 4 is used to set the volume of the device's voice prompts during a call.



Set SMS Password

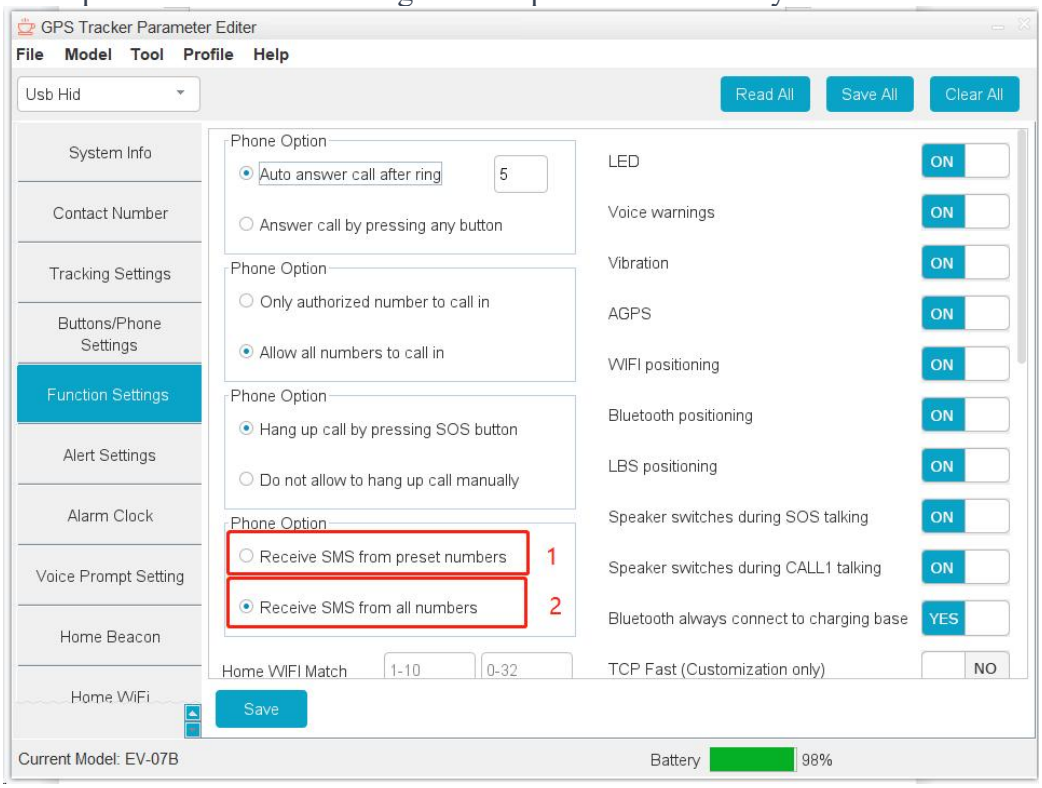
Turn on the switch indicated by the arrow to enable SMS password settings. After setting, you can

add a password to the SMS commands sent to the device. Only when the correct password is entered can SMS commands be sent to the device.



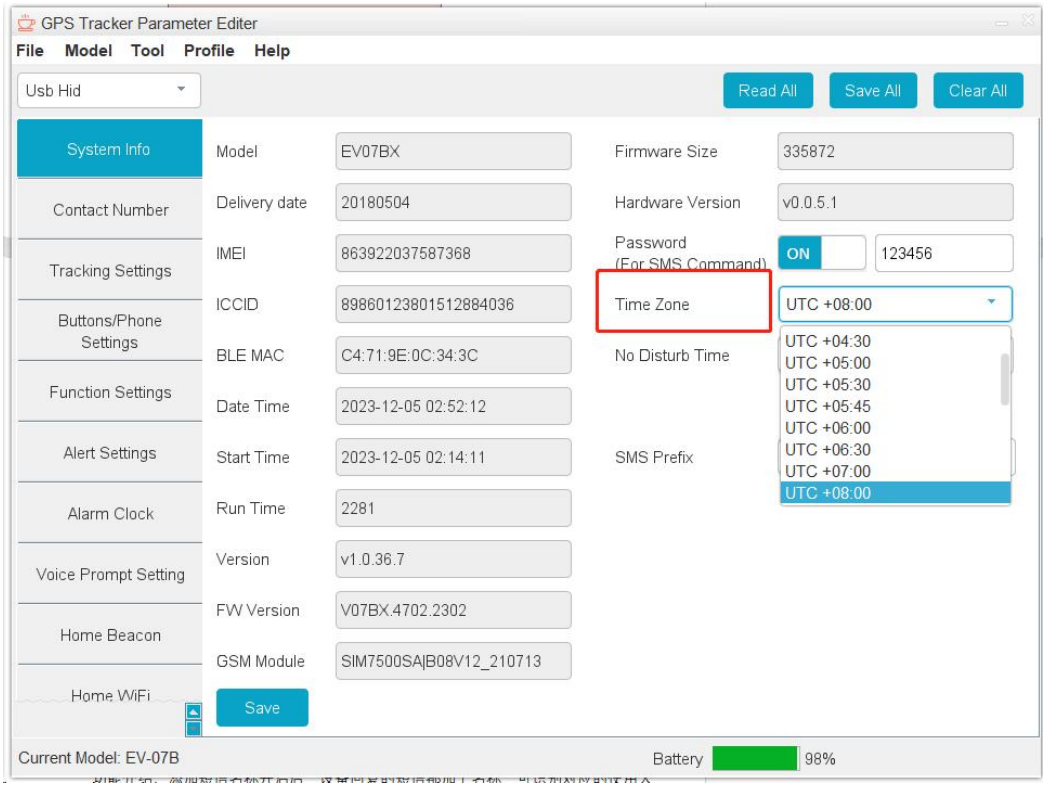
SMS Whitelist Settings

- Option 1 indicates allowing the receipt of SMS only from numbers in the phone whitelist.
- Option 2 indicates allowing the receipt of SMS from any number.



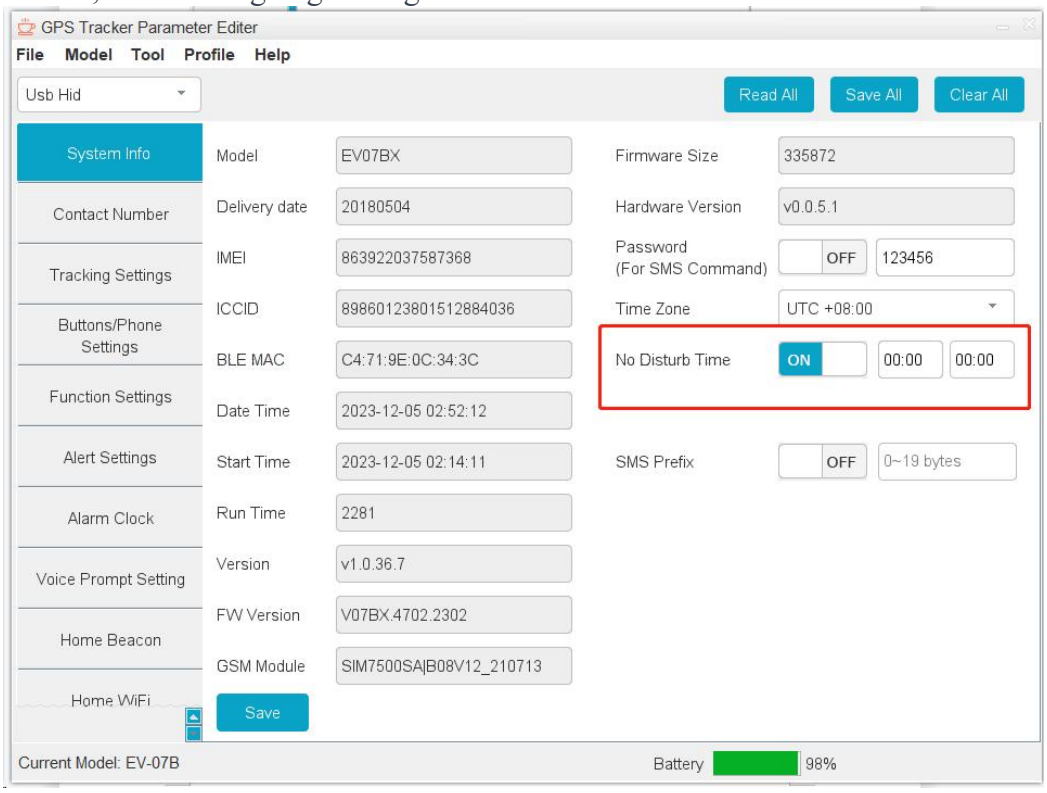
Time Zone

Settings For accurate SMS data time zone, it is necessary to set the correct time zone for different countries and regions.



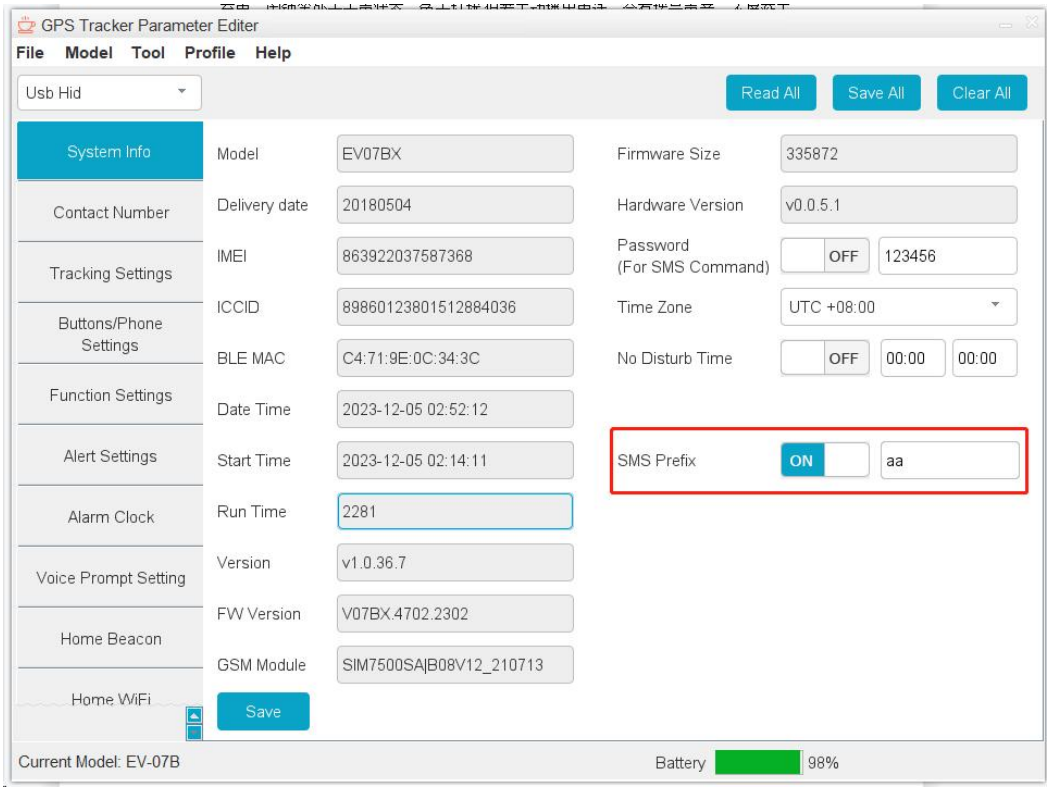
Do Not Disturb Settings

When turned on, it activates the Do Not Disturb mode. Set the time period for Do Not Disturb. During the
Do Not Disturb period, incoming calls, SOS signals, charging notifications, alarms, etc., will be in silent mode to avoid disturbance. However, if you make an outgoing call, there will be dialing sounds, and the outgoing dialing sound will not be blocked.



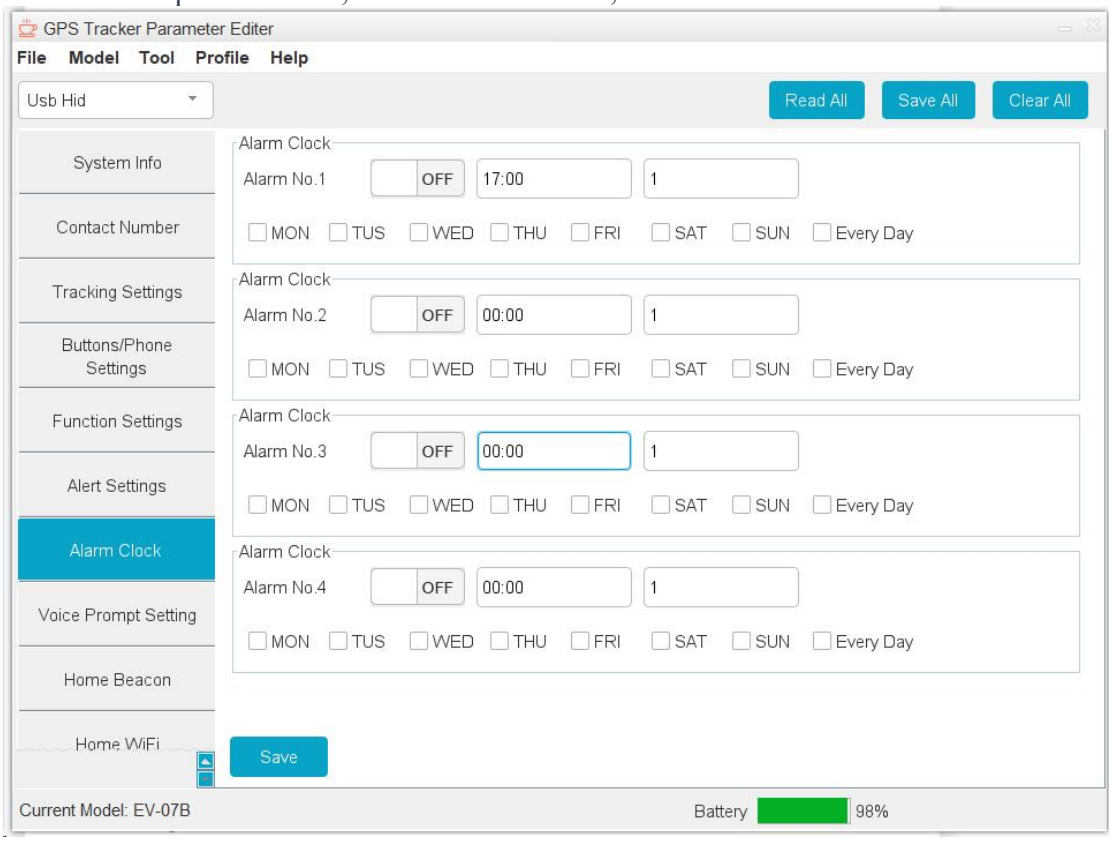
Set SMS Prefix

When activated and configured, the content set for SMS will be added to all the SMS replies from the device.



Alarm Clock Settings

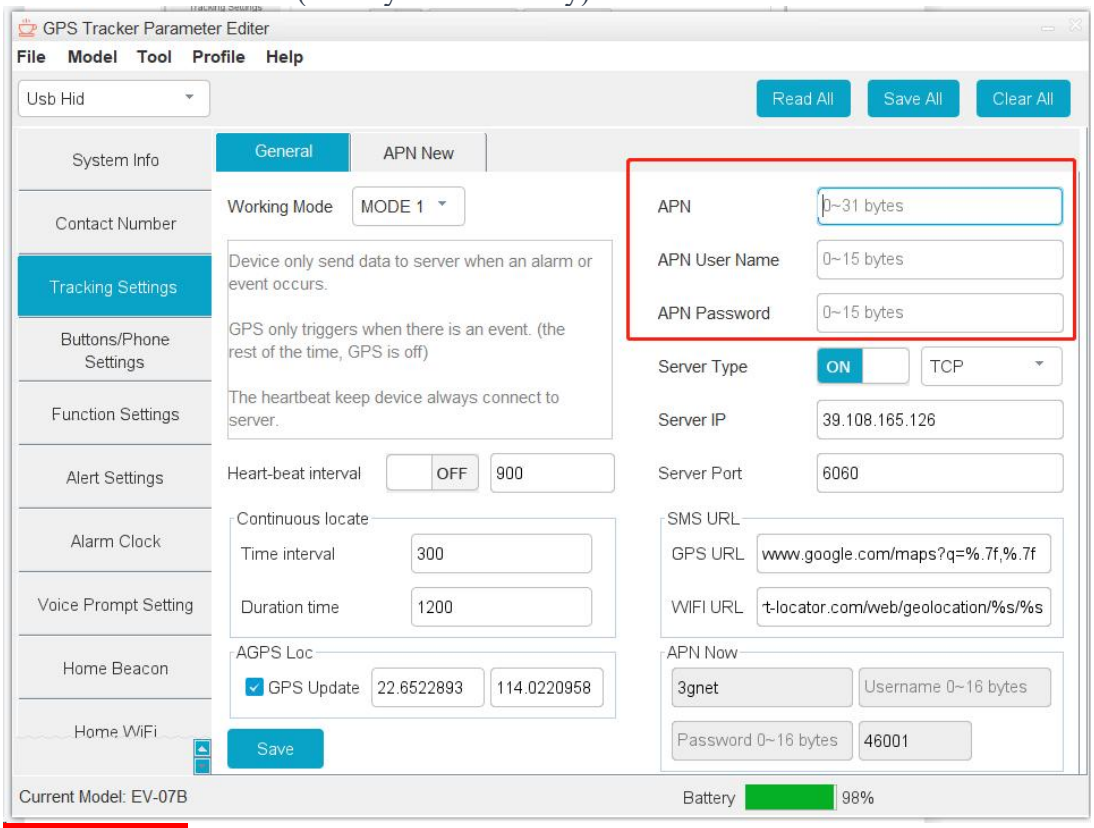
Turn on the alarm clock function switch, set the ring time, duration, and the days of the week. When the set time arrives, the device will sound the alarm.
You can press the SOS button to silence the alarm.
You can set up to 4 alarms, and if not turned on, the alarm will not sound.



APN Settings

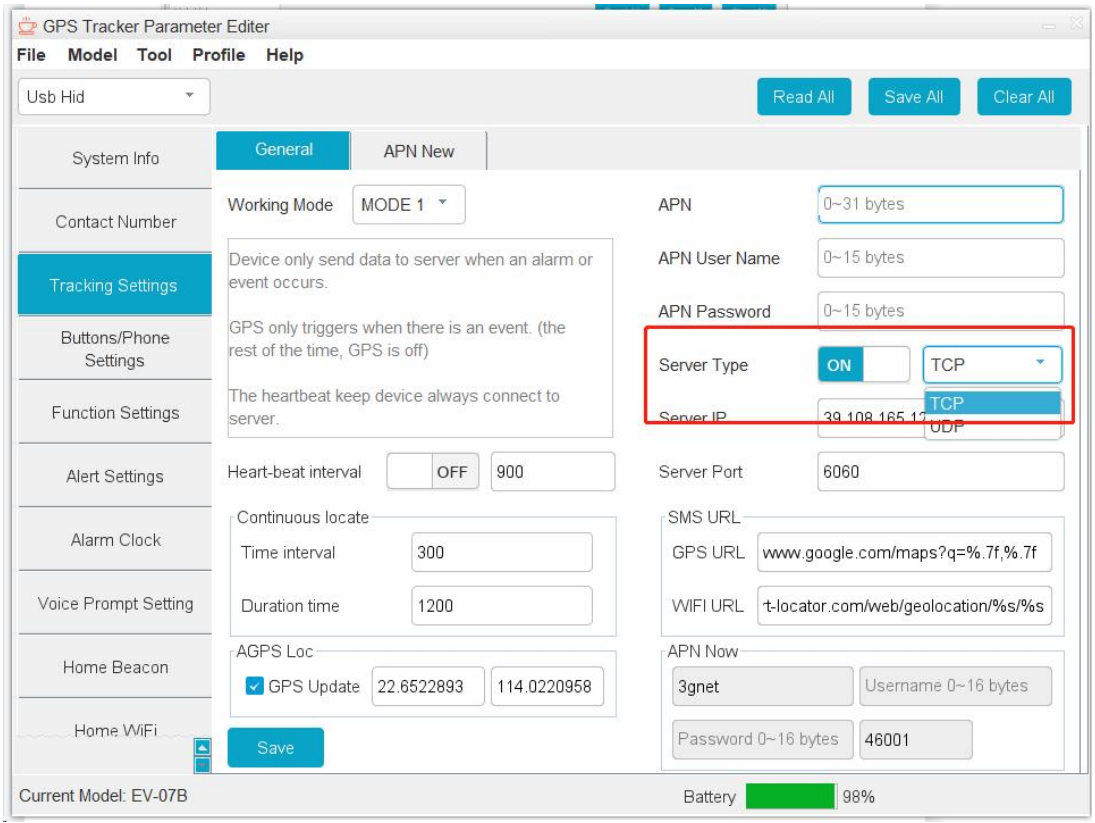
- APN: Set the correct APN for the SIM card used in the device to ensure proper connection to the data network.

- APN User Name: If the SIM card requires a username, you can set it to enable proper use of the device's SIM card (usually not necessary).
- APN Password: If the SIM card requires a password, you can set it to enable proper use of the device's SIM card (usually not necessary).



TCP Settings

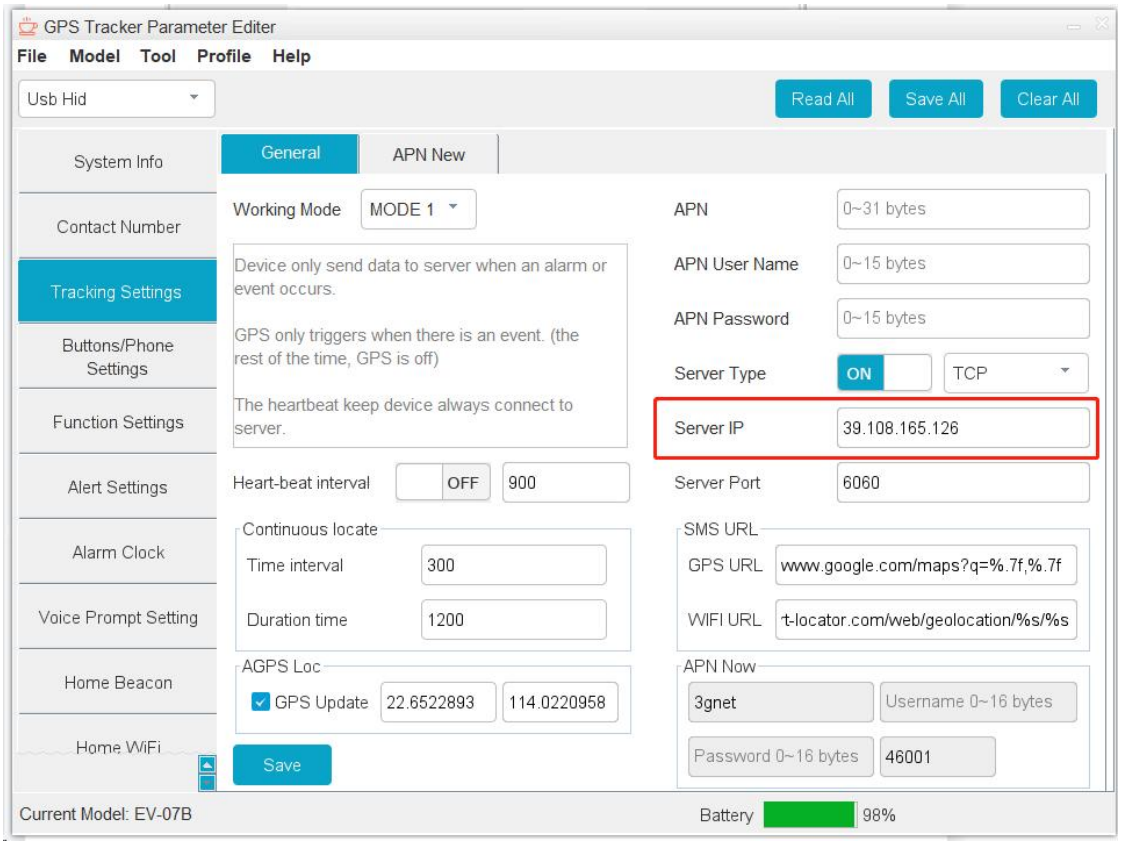
Turn on the TCP switch to enable the device to establish a proper online communication connection with the server.



IP Settings

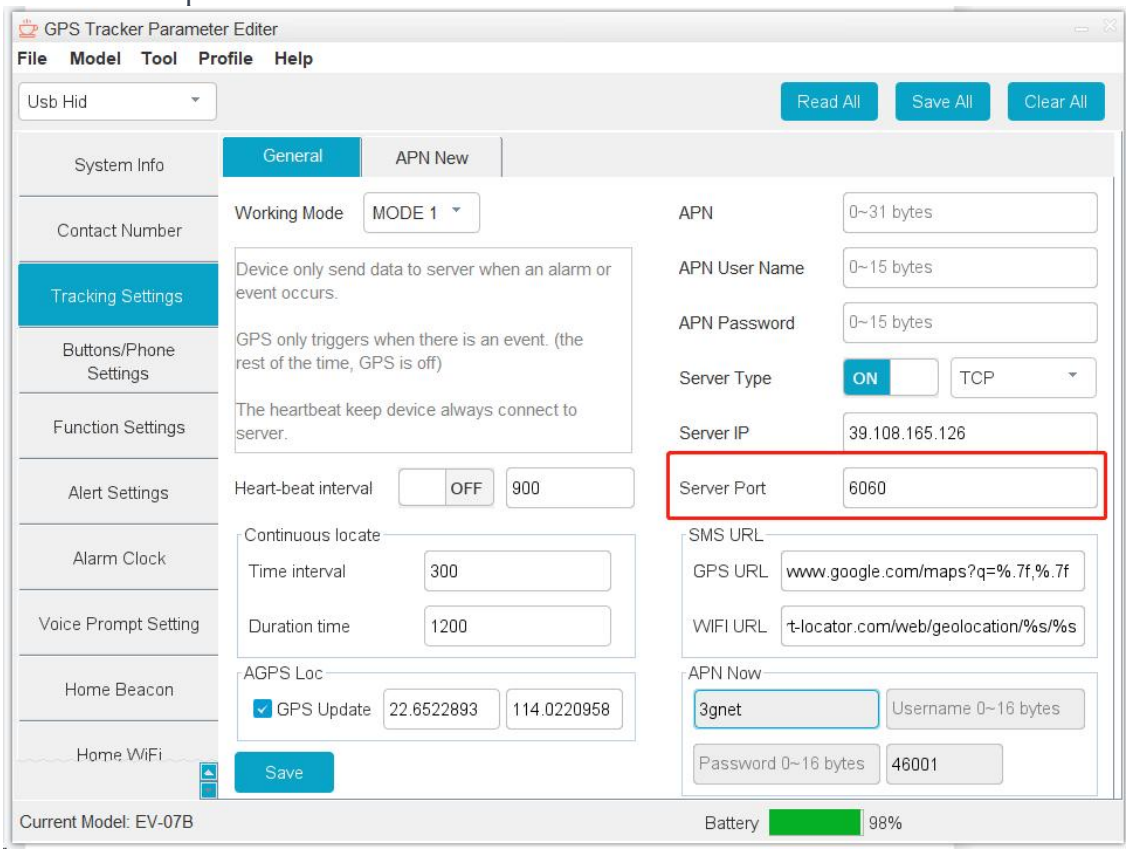
Enter the corresponding server address to ensure that the device can establish a proper connection

with the server.



Server Port Settings

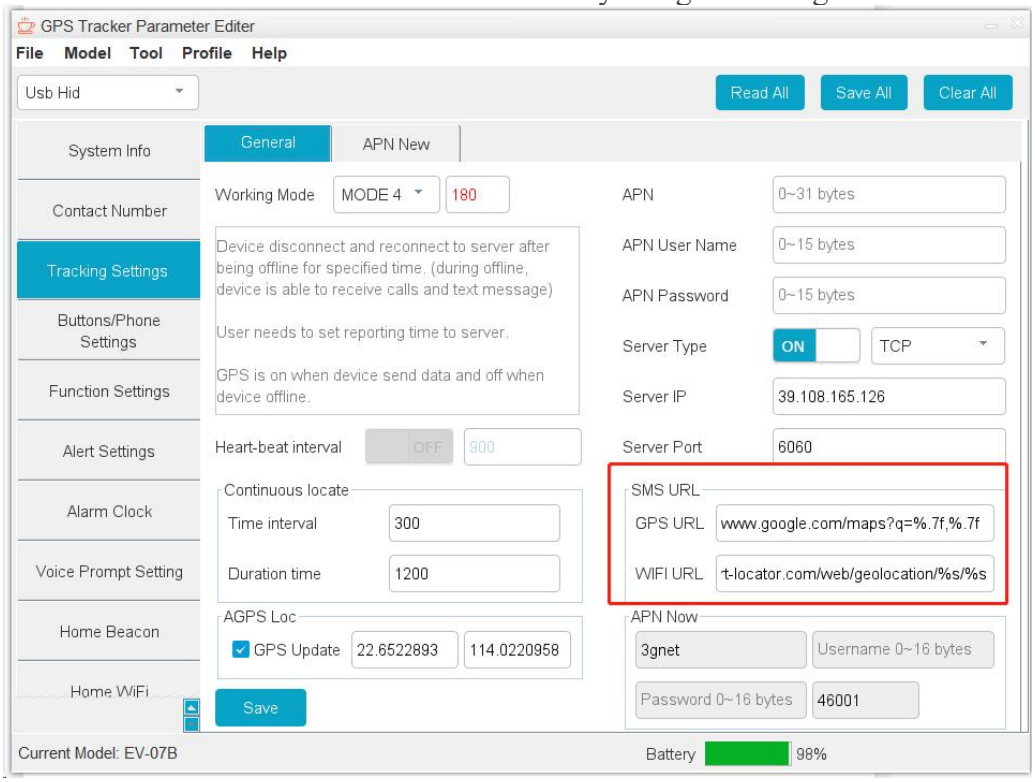
Set the server port.



As shown in the diagram, ensuring the correct port is set according to the protocol has already guaranteed a normal connection to the server.

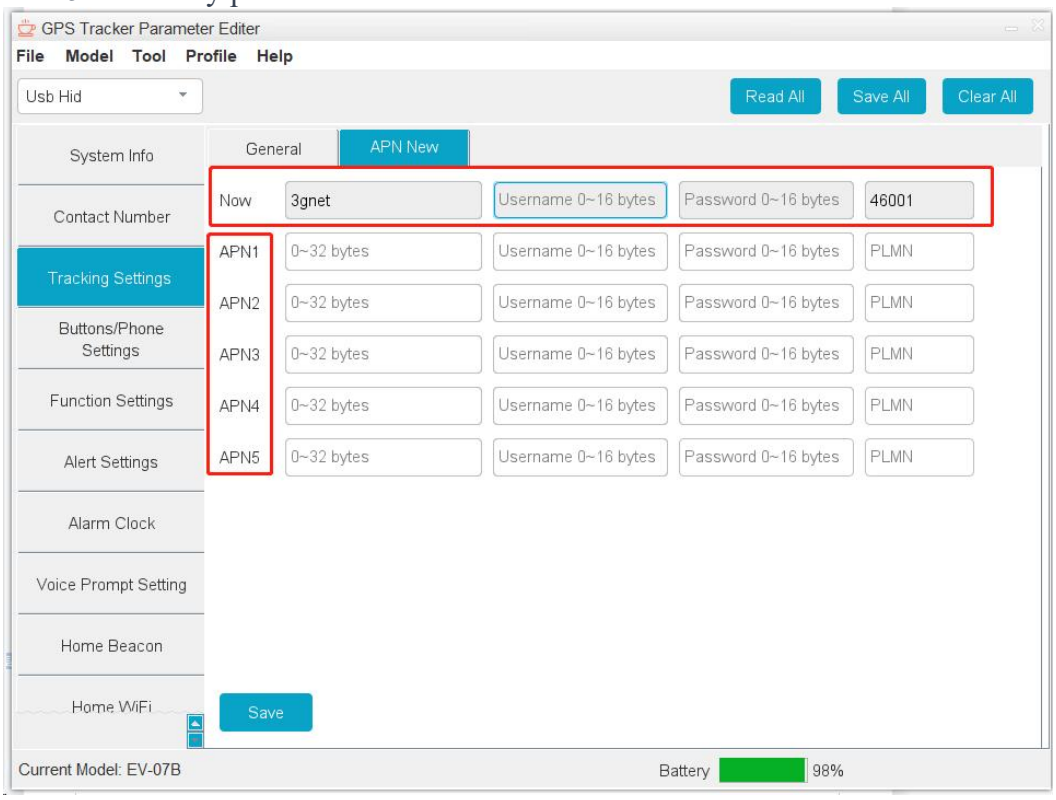
SMS URL

Enter the GPS URL and WiFi URL addresses in the correct format to parse the location information from SMS. You can obtain the SMS location by using the configured addresses.

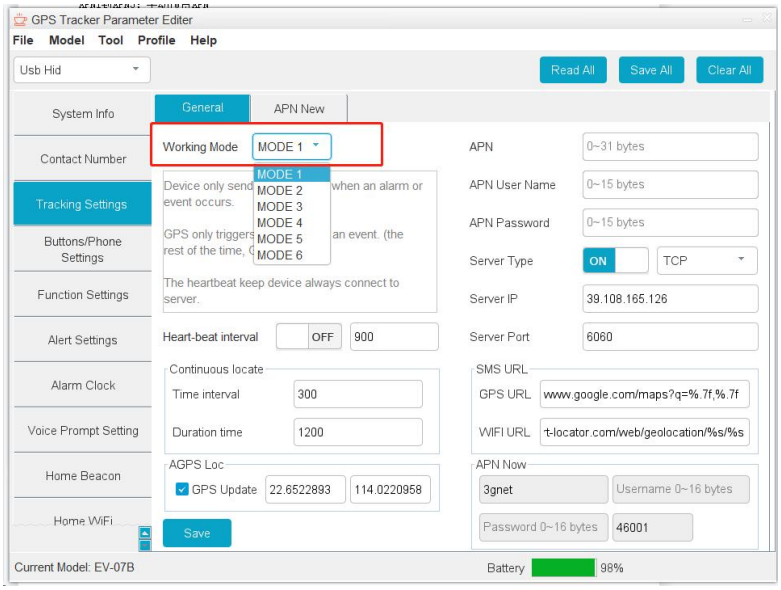


APN Settings

Now: APN in use, APN username, APN password, PLMN—usually a 5-digit number. APN1 to APN5: Manually preset APNs.



Mode Settings



- Mode1: Always-online mode. In this mode, the device only sends data to the server and activates BLE/GPS/WiFi/LBS during events (SOS alarm, fall alarm, no-motion alarm, tilt alarm). No need to set time intervals; heartbeat packets can be configured.。

- Mode2: Periodic mode. The device sends data to the server at defined time intervals while remaining online constantly. Users need to set the reporting time to the server when the device is in motion and when it is not in motion. BLE/GPS/WiFi/LBS is activated when the device is in motion and deactivated when it is not. GPS is awakened and the location is updated only when it is necessary to send data to the server or issue an alert.

Motion Reporting:

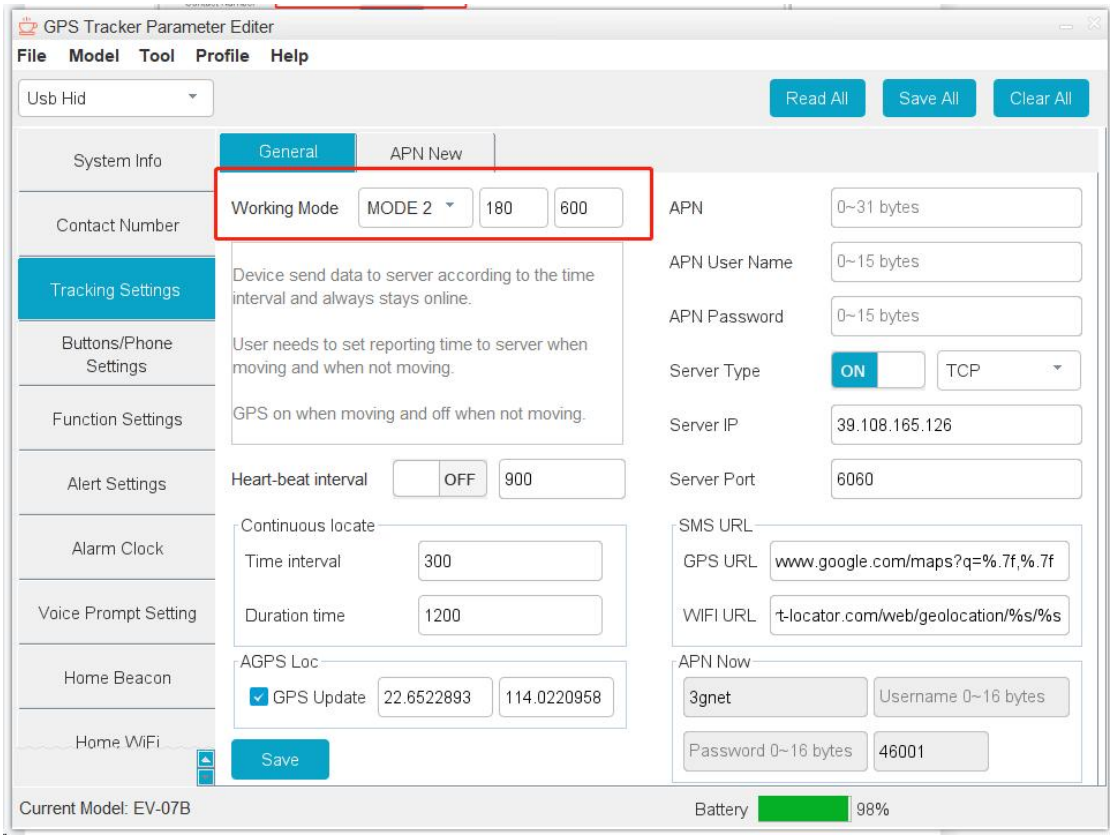
Reports are sent periodically based on the G-Sensor detecting motion at this time interval. The sequence of location detection is (BLE and Beacon, GPS, WiFi, LBS):

1. BLE and Beacon are searched simultaneously for 10-30 seconds.
2. GPS is active for a maximum of 3 minutes. GPS is turned off upon receiving a GPS location.
3. WiFi scanning takes approximately 10 seconds. If less than 2 WiFi signals are detected, it is considered an invalid WiFi location.
4. LBS (currently only supports EV07B) takes about 10 seconds.

Nomotion Reporting:

Reports are sent periodically when the device is not in motion, according to this reporting cycle. The recommended time interval is (1 Hour). The sequence of location detection is (BLE and Beacon, WiFi, LBS):

1. BLE and Beacon are searched simultaneously for 10-30 seconds.
2. WiFi scanning takes approximately 10 seconds. If less than 2 WiFi signals are detected, it is considered an invalid WiFi location.
3. LBS (currently only supports EV07B) takes about 10 seconds.



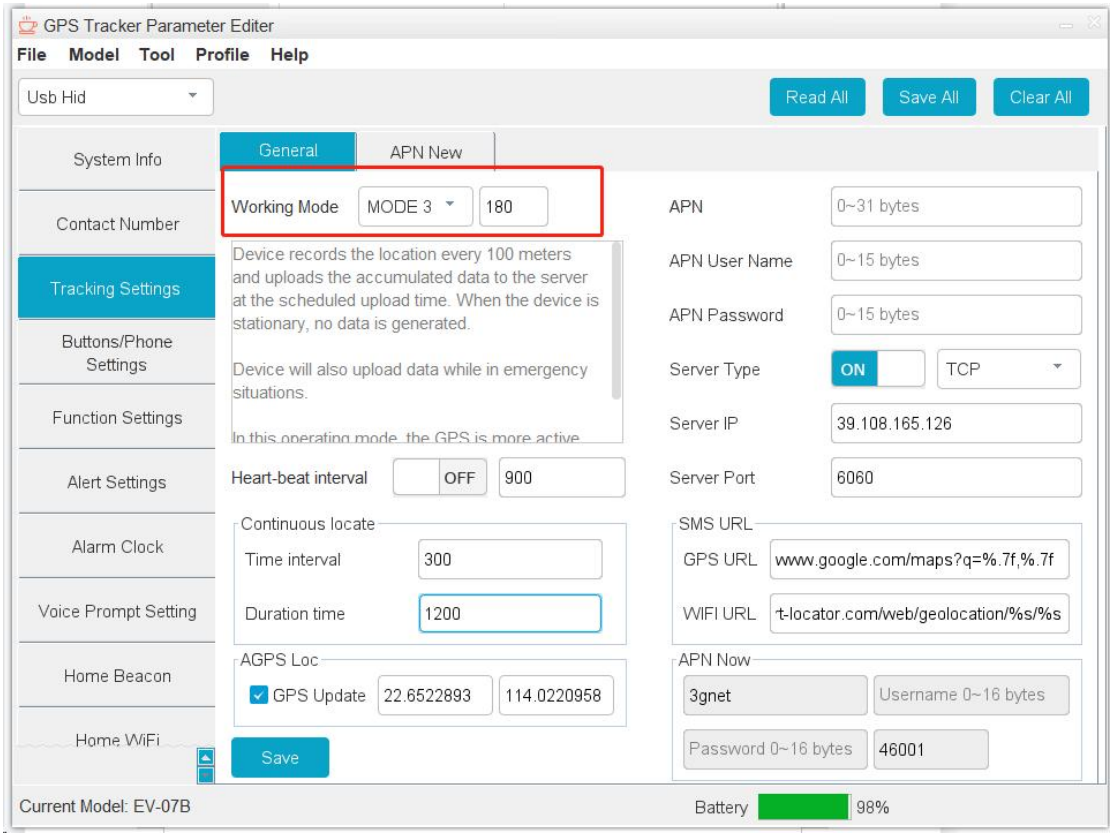
- Mode3: Track mode. The device sends data to the server at defined time intervals while remaining online constantly. Users need to set this time interval. GPS is always enabled in Mode3.

Mode3 only uploads data when in motion. When in motion, if there is no BLE and Beacon, GPS remains active:

1. BLE and Beacon are searched simultaneously for 10-30 seconds.
2. GPS is queried for 10 seconds. GPS remains active even after receiving a GPS location.
3. WiFi scanning takes approximately 10 seconds. If less than 2 WiFi signals are detected, it is considered an invalid WiFi location.
4. LBS (currently only supports EV07B) takes about 10 seconds.

When not in motion, no location is generated.

1. GPS records a data point if the movement is greater than 100 meters (creates a point).
2. When the Motion time interval is reached, a single location is reported (note that this is just the reporting, the server sees the time of the data point, not the upload time).

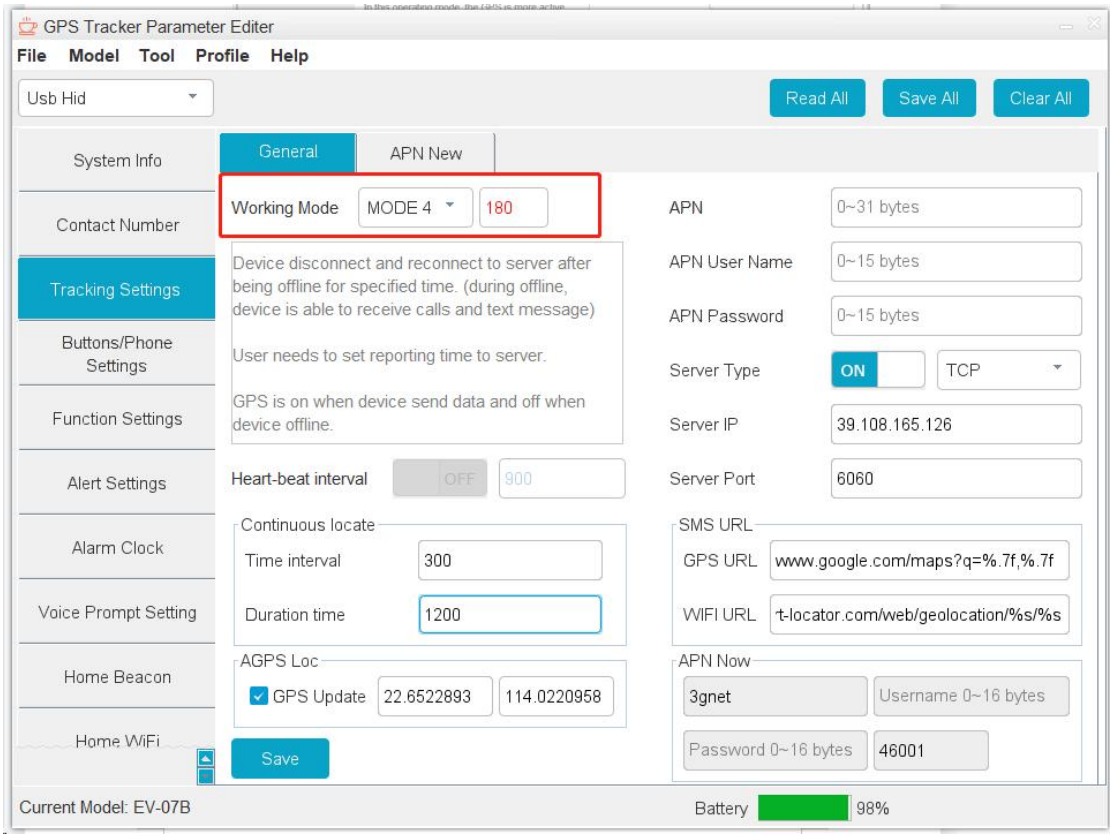


- Mode4: Standalone mode. The device only connects to the server at specified time intervals. Users need to set the reporting time to the server. BLE is only enabled for sending data/GPS/WiFi/LBS.

No heartbeat packet is sent. No constant connection is maintained.

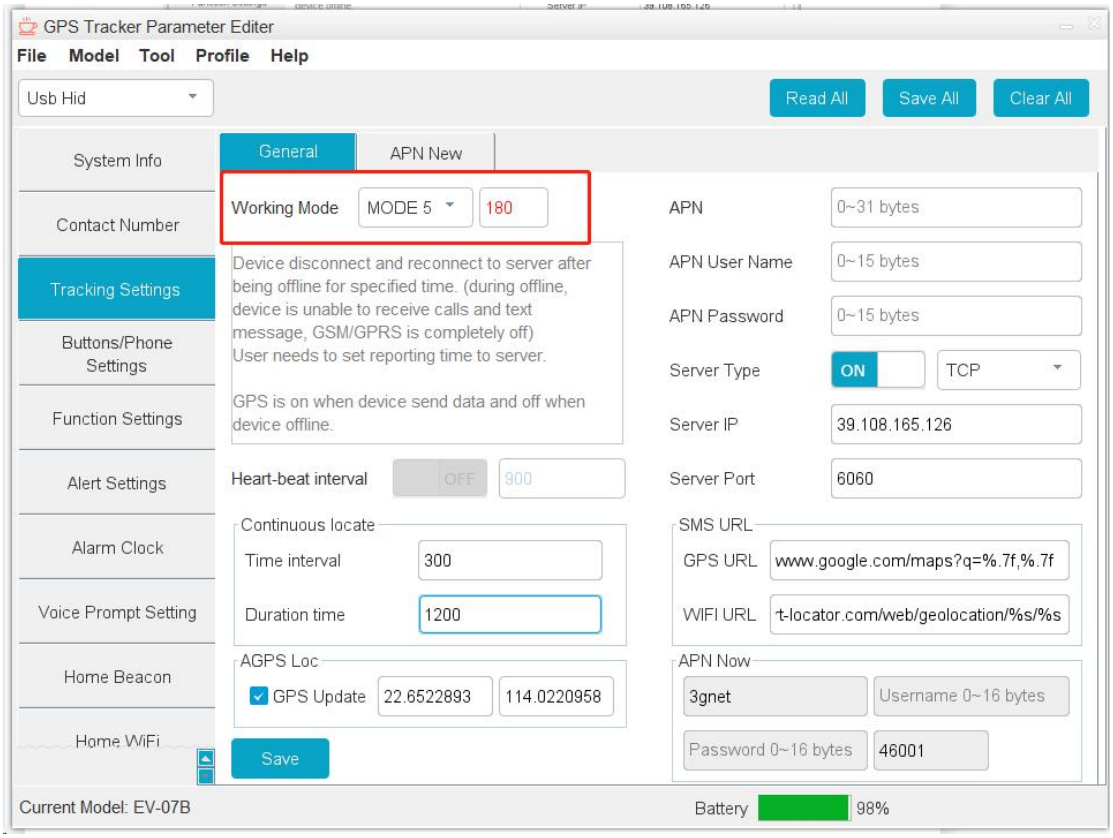
Event-based location. 0 Can periodically send data. 0: no data is sent. It is recommended to set the interval greater than 30 minutes. The sequence of location detection is (BLE and Beacon, GPS, WiFi, LBS):

1. BLE and Beacon are searched simultaneously for 10-30 seconds.
2. GPS is active for a maximum of 3 minutes. GPS is turned off upon receiving a GPS location.
3. WiFi scanning takes approximately 10 seconds. If less than 2 WiFi signals are detected, it is considered an invalid WiFi location.
4. LBS (currently only supports EV07B) takes about 10 seconds.



- Mode5: Ultra-Low Power Mode. The device connects to the server at specified time intervals, and the device is offline between each interval. Users need to set this time interval. GPS is only enabled when data is being sent. During the offline period, the device cannot receive calls and SMS. BLE is only enabled for sending data/GPS/WiFi/LBS.

No heartbeat packet is sent.
No constant connection is maintained.
Event-based location.
Can periodically start sending data. 0: no data is sent. It is recommended to set the interval greater than 30 minutes.
This mode leads to GSM shutdown, so SMS and calls will not be continuously online.
Extremely long standby time.



- Mode6: Custom Mode, similar to Mode2 but with improved tracking performance. Once motion is detected, GPS is awakened, and its location is continuously updated. This saves time needed for transmitting location.

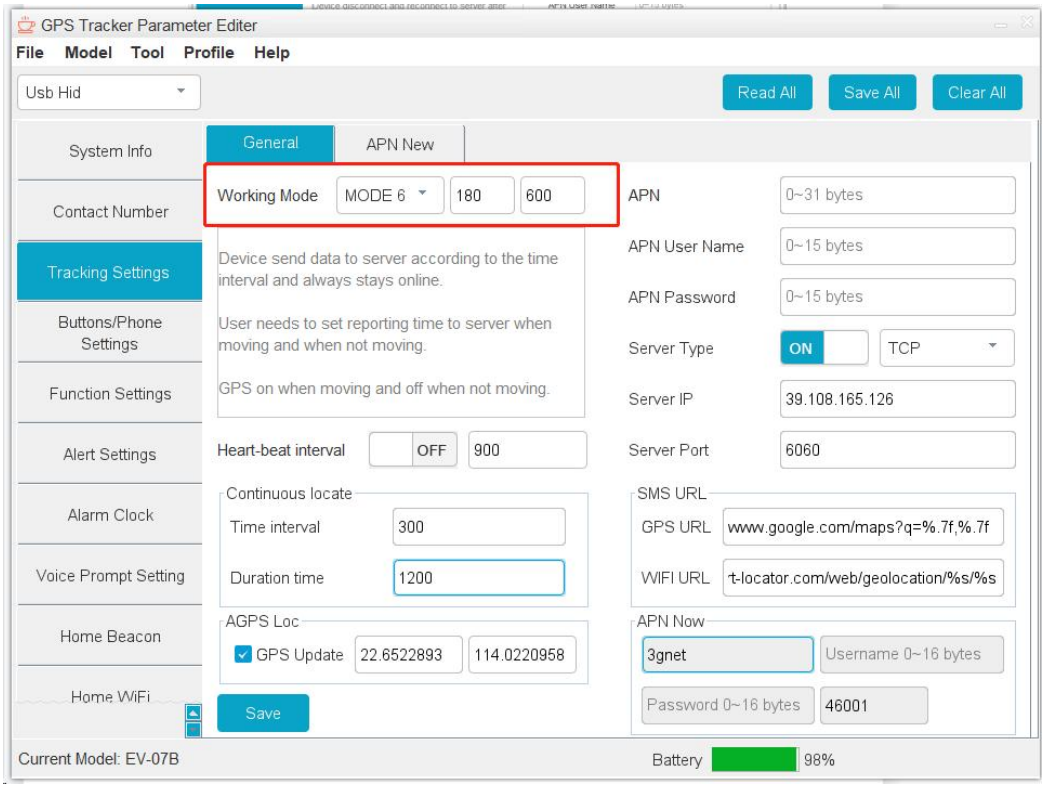
Location sequence as follows: Motion state: BLE - Beacon - Home WiFi - GPS - WiFi - LBS Still state: BLE - Beacon - Home WiFi - WiFi - LBS

In the motion state, based on the set data upload cycle, initiate a location process 3 minutes in advance to determine if GPS needs to be started (if less than 3 minutes, this function is not available). If BLE-Beacon-HomeWiFi location is detected as valid, GPS will not be started; otherwise, GPS is activated. When GPS locates successfully, it is turned off for 30 seconds. Repeat the process within this 3-minute period. If GPS location fails, it remains activated until successful. The location data upload cycle time elapses, initiate the location process again.

In the still state, there is no action 3 minutes in advance because GPS location is not available.

If the upload cycle for motion and still states is set to less than 3 minutes, data is uploaded in 5-minute cycles.

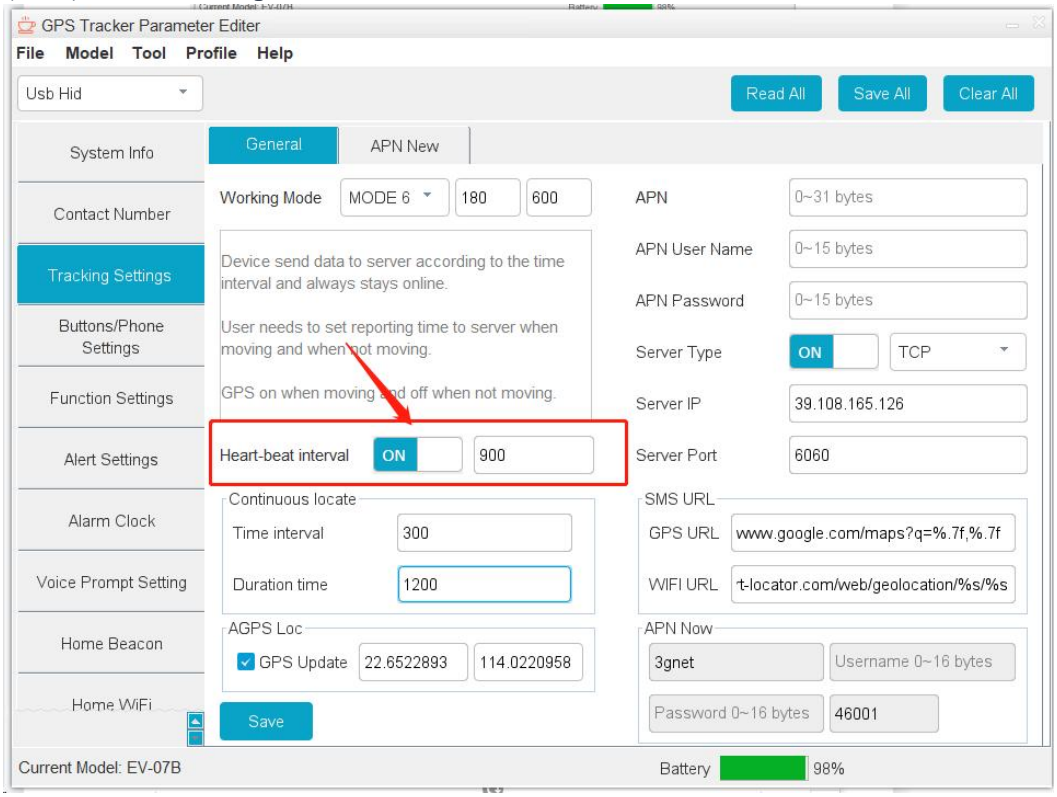
If no location is successful, upload an empty data packet.



Heartbeat Packet Settings

Regularly check server connection at specified intervals (only applicable to Mode1, Mode2, and Mode3).

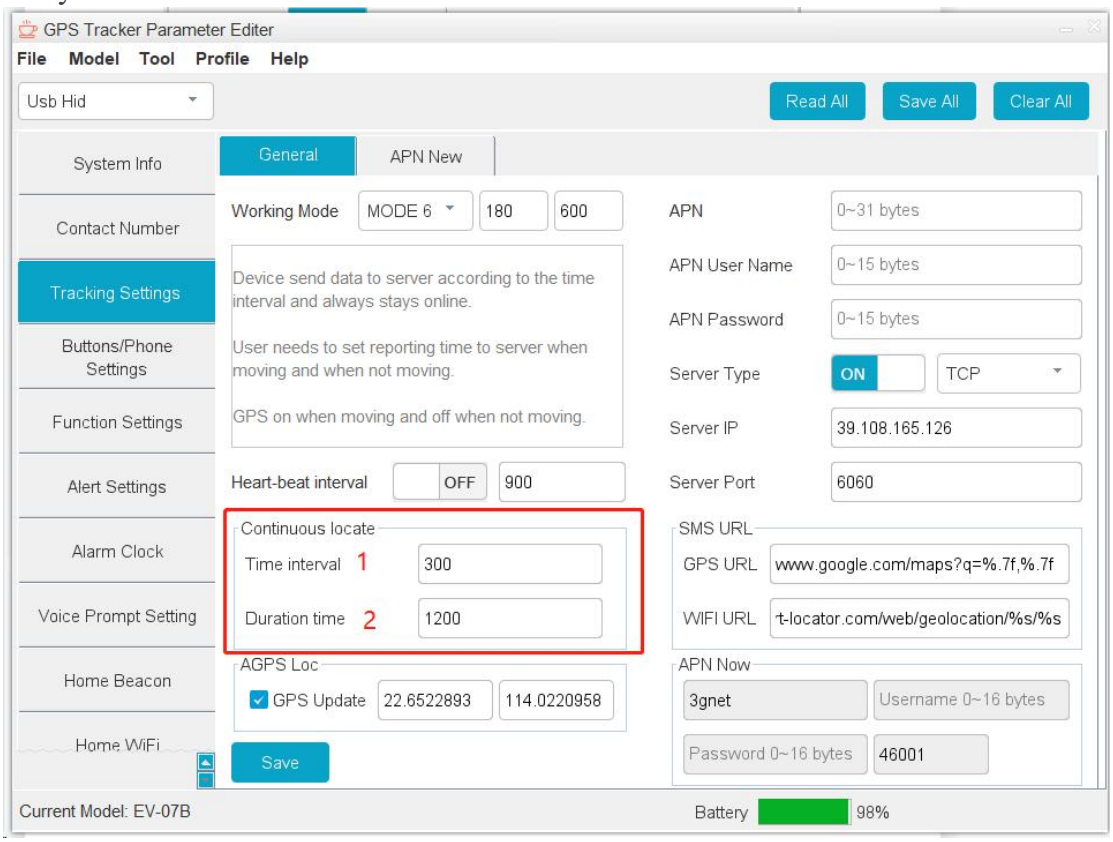
Value range: 60 to 86,400 seconds. When the scheduled GPRS reporting interval is long, the heartbeat packet function is used to keep the Transmission Control Protocol (TCP) connection open.



Continuous Tracking Settings

Continuous tracking is activated only when an alarm is triggered, such as SOS alarm or fall alarm. After the specified duration ends, the device returns to its normal operating mode.

For example, if the interval is set to 10 seconds and the duration is set to 300 seconds, the device will continue to send reports to the defined "Server IP" on the same page every 10 seconds for a total duration of 300 seconds.

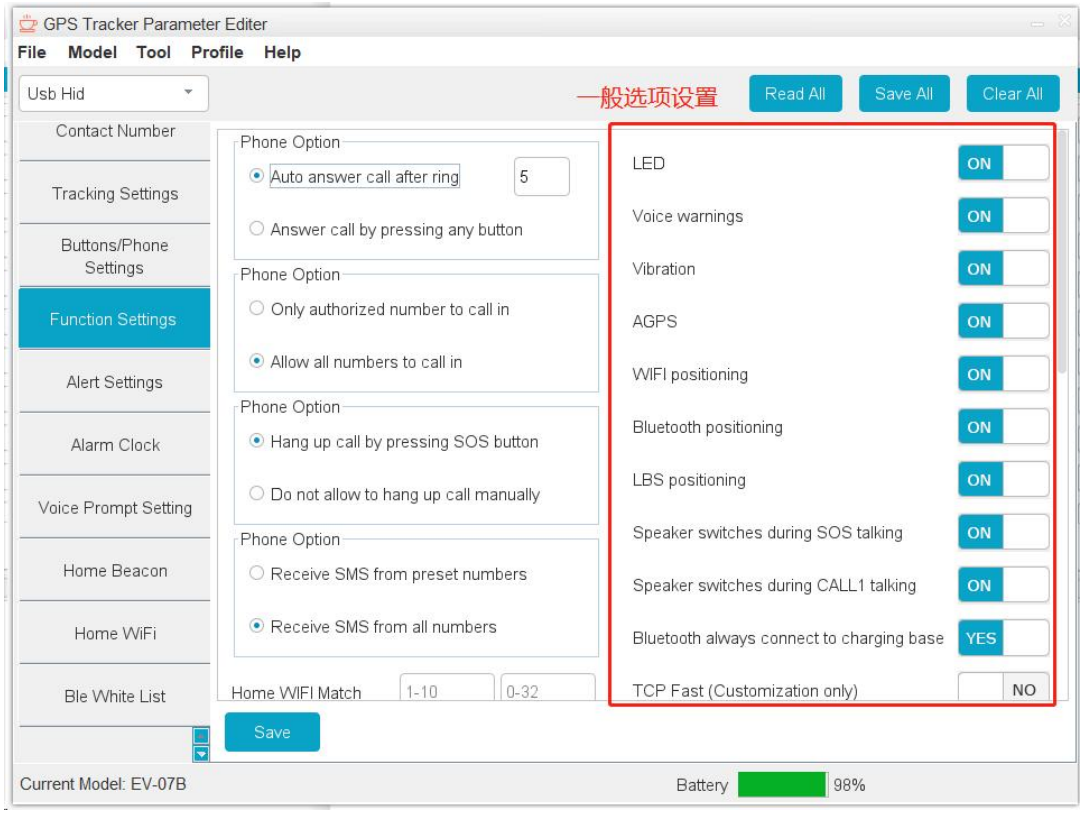


General Options Settings

1. LED: Enable or disable the LED.
2. Voice Warning: Enable/Disable synthesized voice warnings.
3. Vibration: Enable/Disable vibrations.
4. AGPS: Allow the use of Assisted Global Positioning System, which requires assistance from mobile transmission towers to reduce fixed position acquisition time.
5. WiFi Location: Allow the use of the Global Positioning System, utilizing nearby WiFi hotspots and other wireless access points to discover the device's location.
6. Bluetooth Location: Allow the use of Bluetooth locator beacons, such as the DS3 charging base.
7. LBS Location: Allow the use of Location-Based Services, a tracking system that uses mobile phone signals.
8. Speaker Switch during SOS Call: Allow using the device speaker during SOS alerts (SOS button). Open = Two-way communication, Close = Speaker.
9. Speaker Switch during CALL 1 Call: Allow using the device speaker during

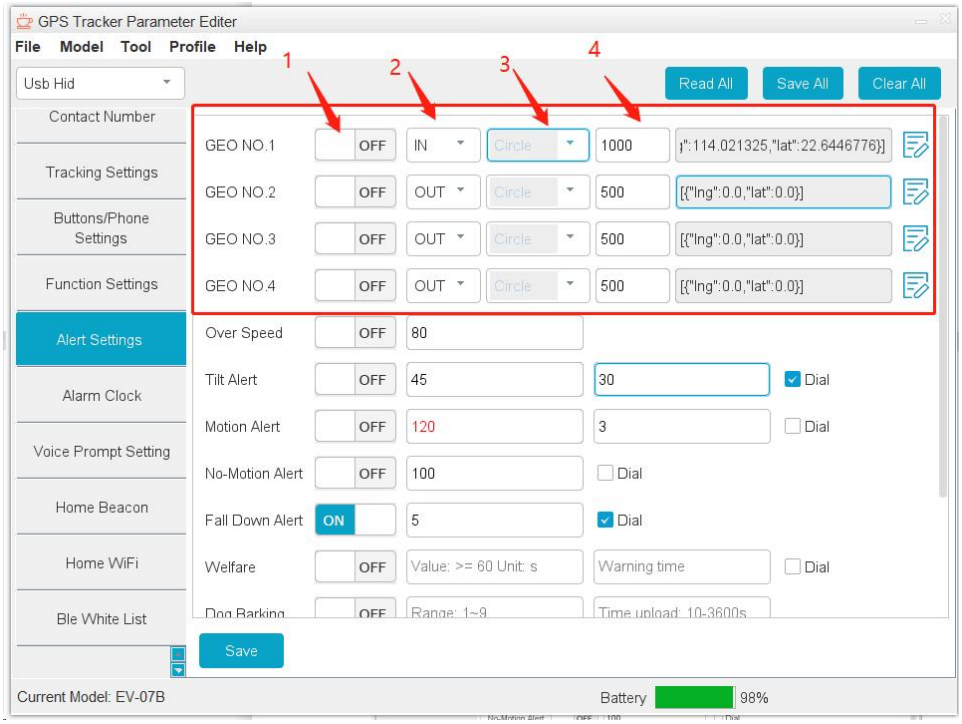
phone calls (CALL button). Open = Two-way communication, Close = Speaker.

10. Bluetooth Always Connect to Charging Base: When Bluetooth is disconnected for any reason, it will automatically reconnect when available again.
11. TCP FAST: If this switch is on, the device will prioritize uploading TCP data to the server, otherwise, it may not upload as quickly.
12. Beacon: Indoor location through BLE connection between the device and beacons. The beacon is a small wireless device broadcasting BLE signals 24/7. See the "Beacon Settings" tab.
13. Home WiFi Location: Location through WiFi connection. See the "Home WiFi" tab.
14. Long SMS: When SMS sent to EV-04 is too long and some SIM cards do not support it, the message is split into two SMS. In this case, open "Long SMS" to resolve the issue.
15. LT: Disable EV-04 to protect against unethical or illegal spying activities.



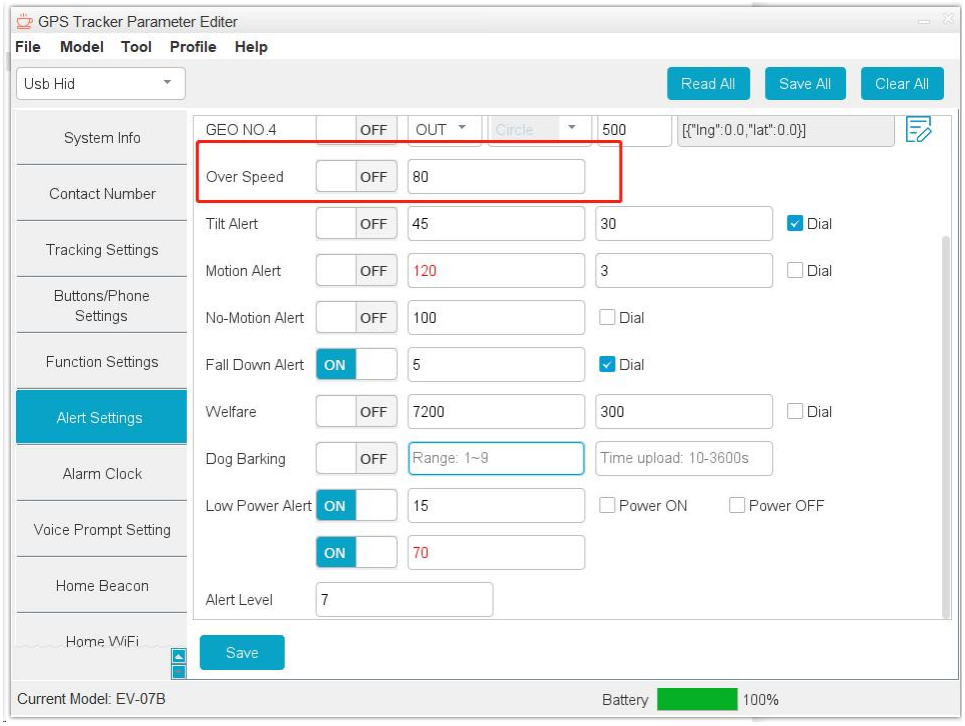
Geofence Settings (Up to four can be set)

Option 1: Set to open or close the geofence. Option 2: Set to enter or leave this geofence. Option 3: Set the mode to surround. Option 4: Set the range of the geofence



Speeding Alarm Settings

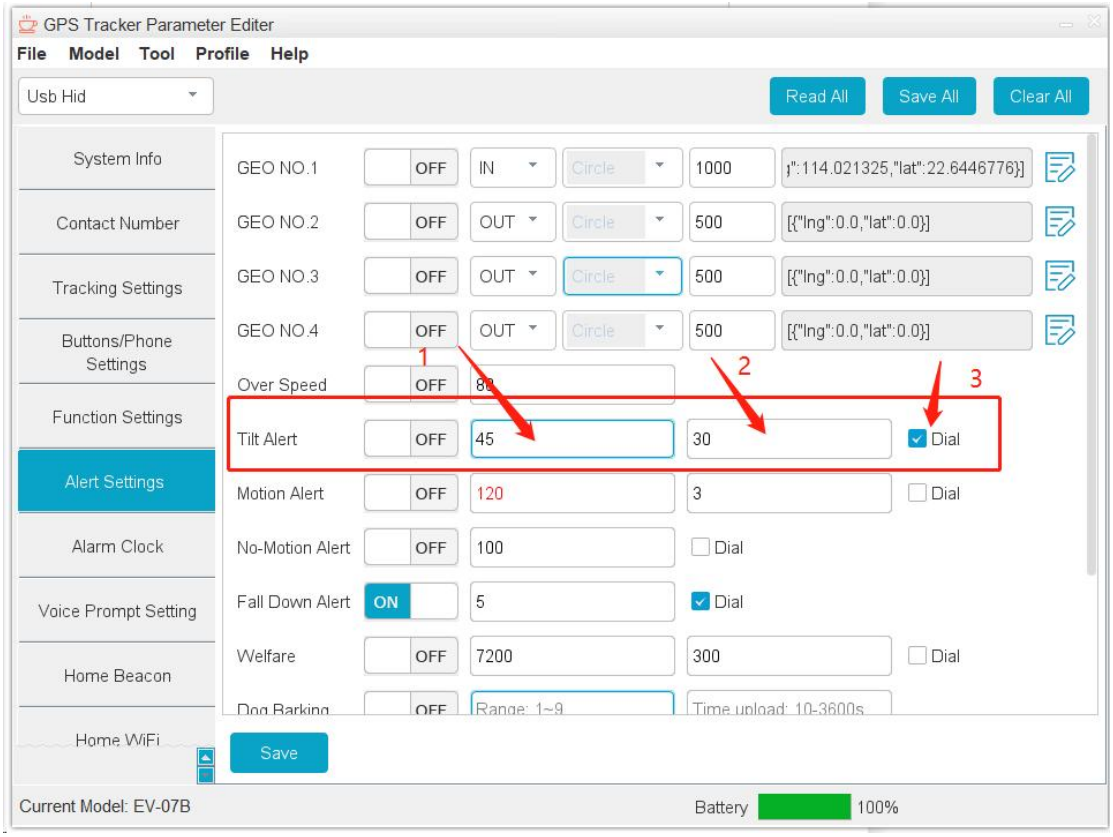
Enable speed alarm. When the device exceeds the set speed value during motion, the device will send a message to the configured emergency contact number and upload the alarm data to the server. Disable to deactivate the speed alarm function.



Tilt Alarm Settings

Enable tilt alarm. When the device reaches the set tilt conditions and alarm criteria, the device will emit a tilt alarm sound, upload data to the server, and execute the configured alarm actions. If disabled, the function is inactive.

Option 1: Set the angle of tilt. Option 2: Set the duration of the tilt. Option 3: Set whether to make a phone call to emergency contacts when the alarm is triggered.

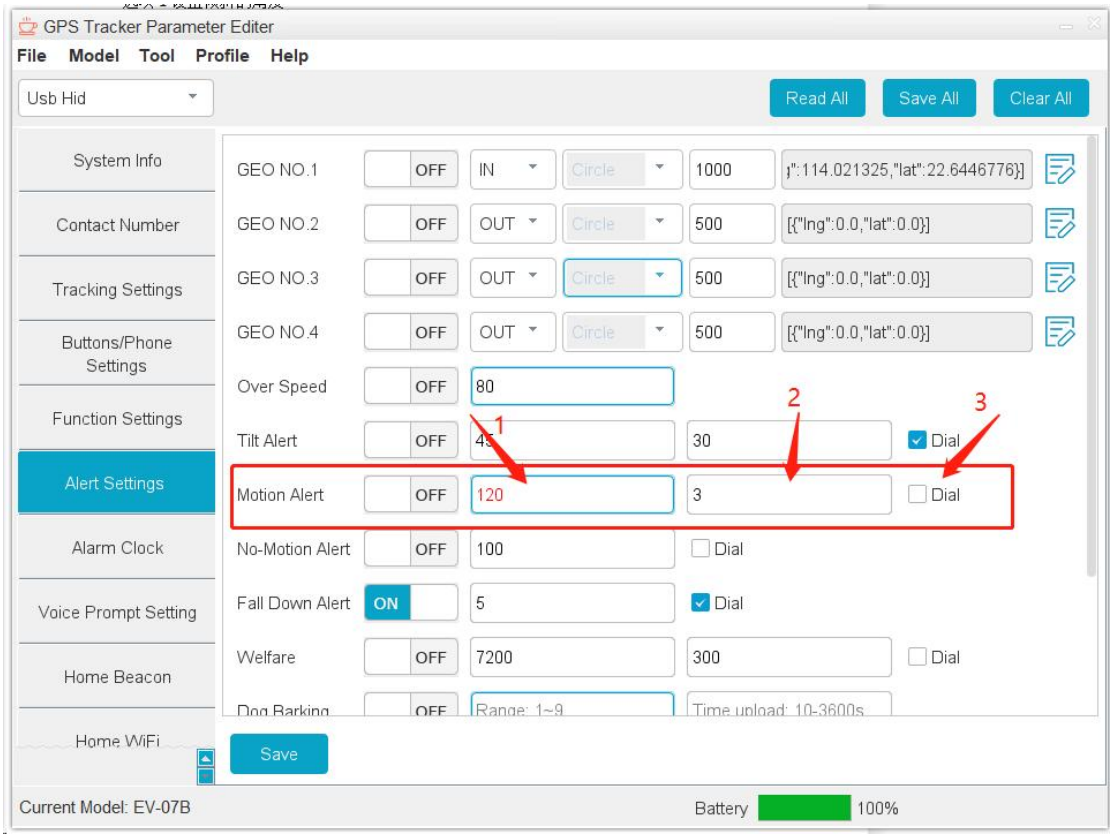


Speed Alarm Settings

Enable motion alarm. When the device meets the set motion alarm conditions and criteria, the device will emit a motion alarm sound, upload data to the server, and execute the configured alarm actions. If disabled, the function is inactive.

- Option 1: Set the duration of being stationary before triggering an alarm.
- Option 2: Set the duration of moving after being stationary for an alarm to be triggered.
- Option 3: Set whether to make a phone call to emergency contacts when the alarm is triggered.

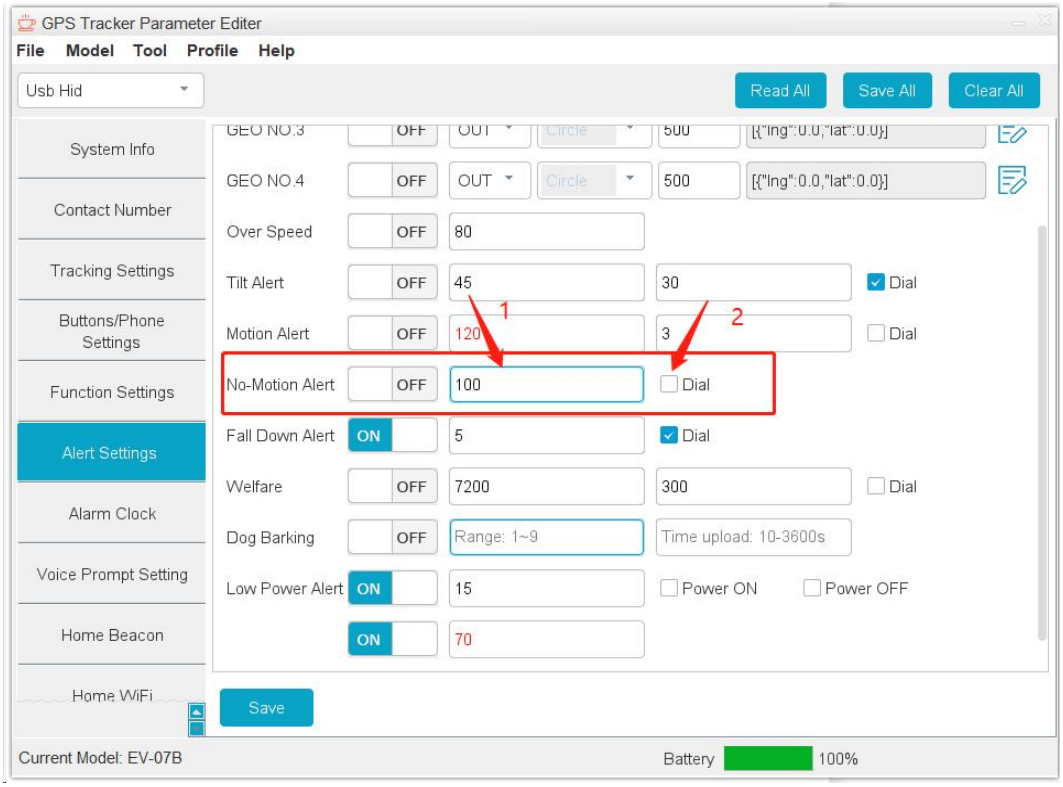
As shown in the diagram: an alarm will be triggered if the device is stationary for more than 120 seconds and then moves continuously for more than 3 seconds.



No Motion Alarm

Enable no motion alarm. When the device meets the set no motion alarm conditions and criteria, the device will emit a no motion alarm sound, upload data to the server, and execute the configured alarm actions. If disabled, the function is inactive.

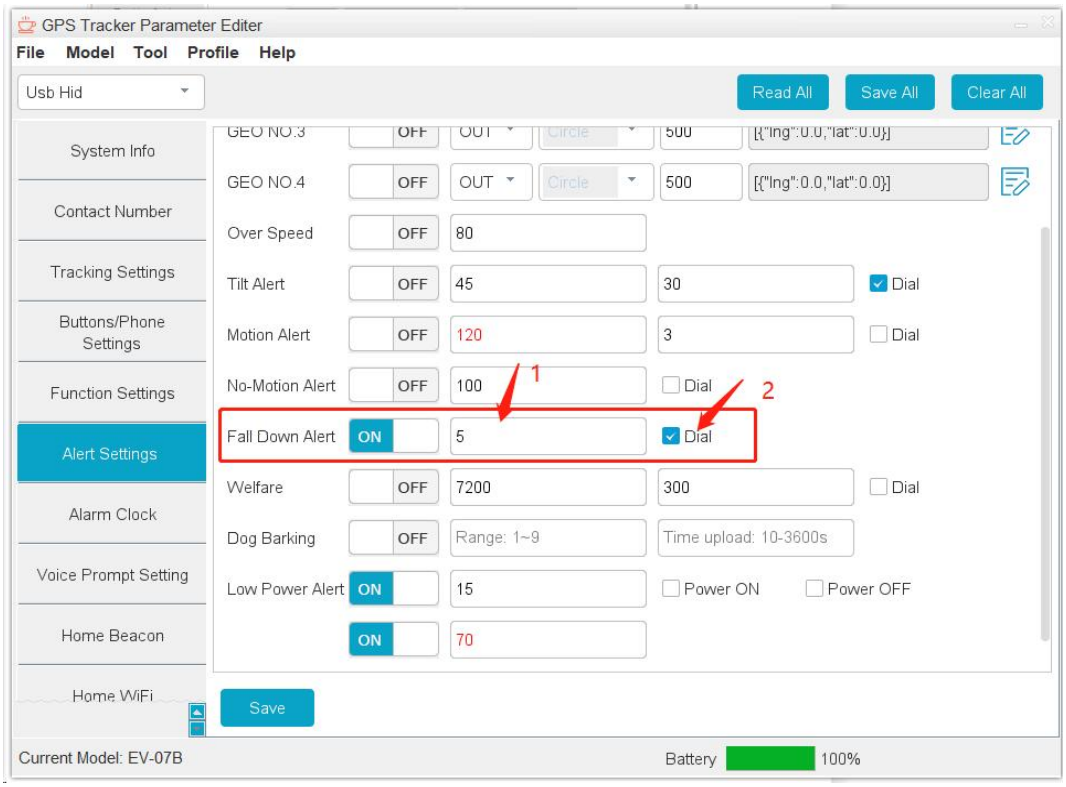
- Option 1: Set the duration of no motion; an alarm will be triggered if this time is exceeded.
- Option 2: Set whether to make a phone call to emergency contacts when the alarm is triggered.



Fall Alarm

Enable fall alarm. When the device meets the set fall sensitivity alarm conditions and criteria, the device will emit a fall alarm sound, upload alarm data to the server, and execute the configured alarm actions. If disabled, the function is inactive.

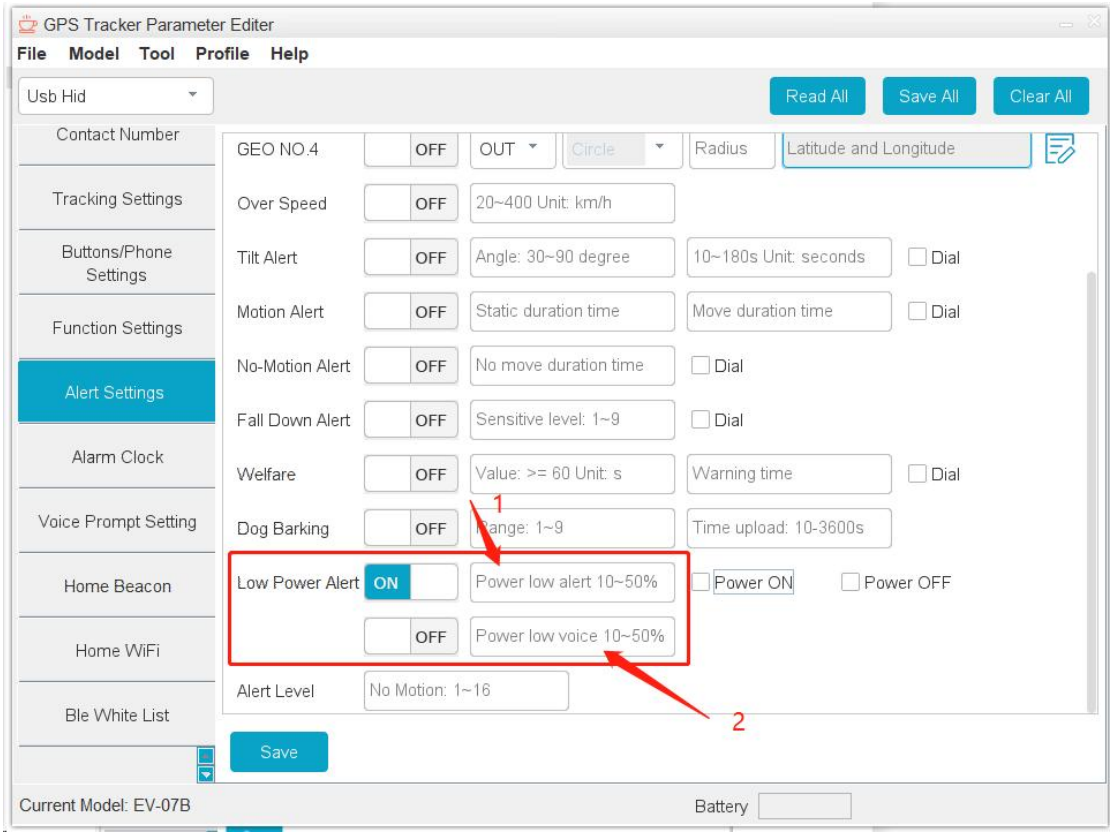
- Option 1: Set the fall sensitivity (Low 1 to 9 High).
- Option 2: Set whether to make a phone call to emergency contacts when the alarm is triggered.



Low Battery Alarm

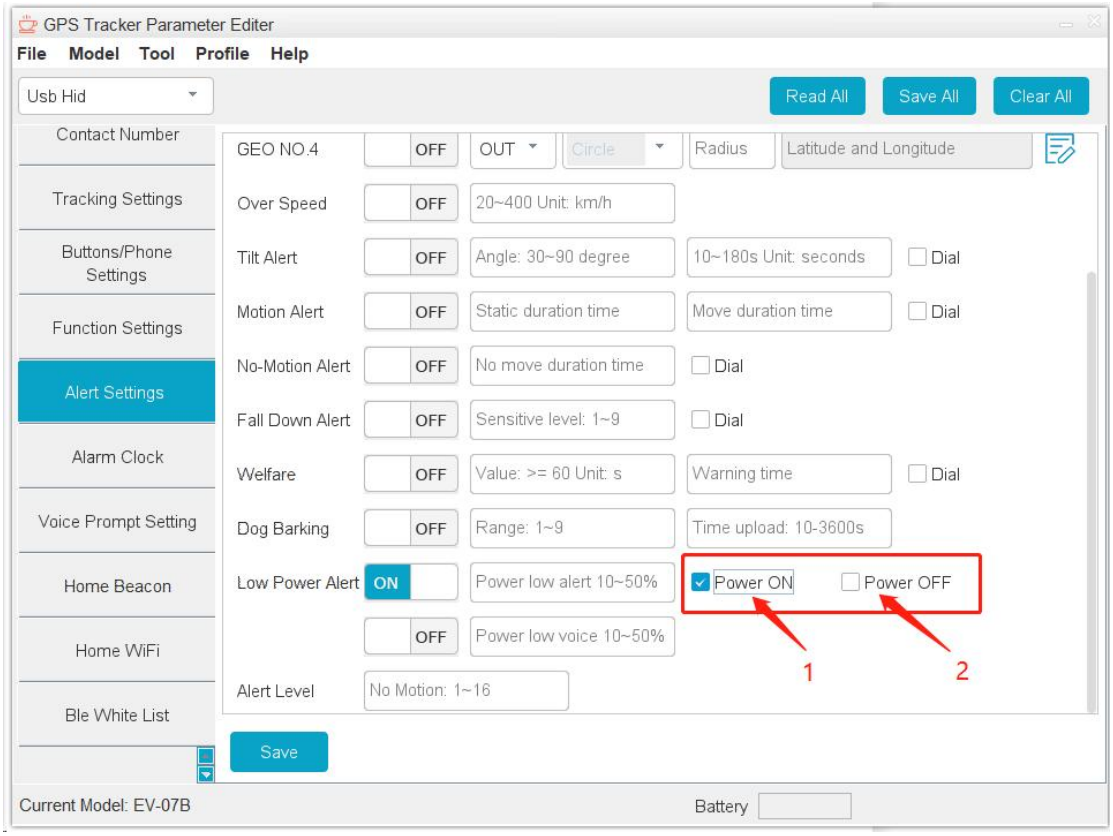
Enable the low battery alarm switch and set the battery level at which the device will upload low battery alarm data to the server. If disabled, no notification will be sent.

- Option 1: Set the battery level at which to trigger the alarm (alarm only, no SMS).
- Option 2: Set the battery level at which to trigger the alarm (low battery alarm with SMS notification).



Power On/Off Reminder

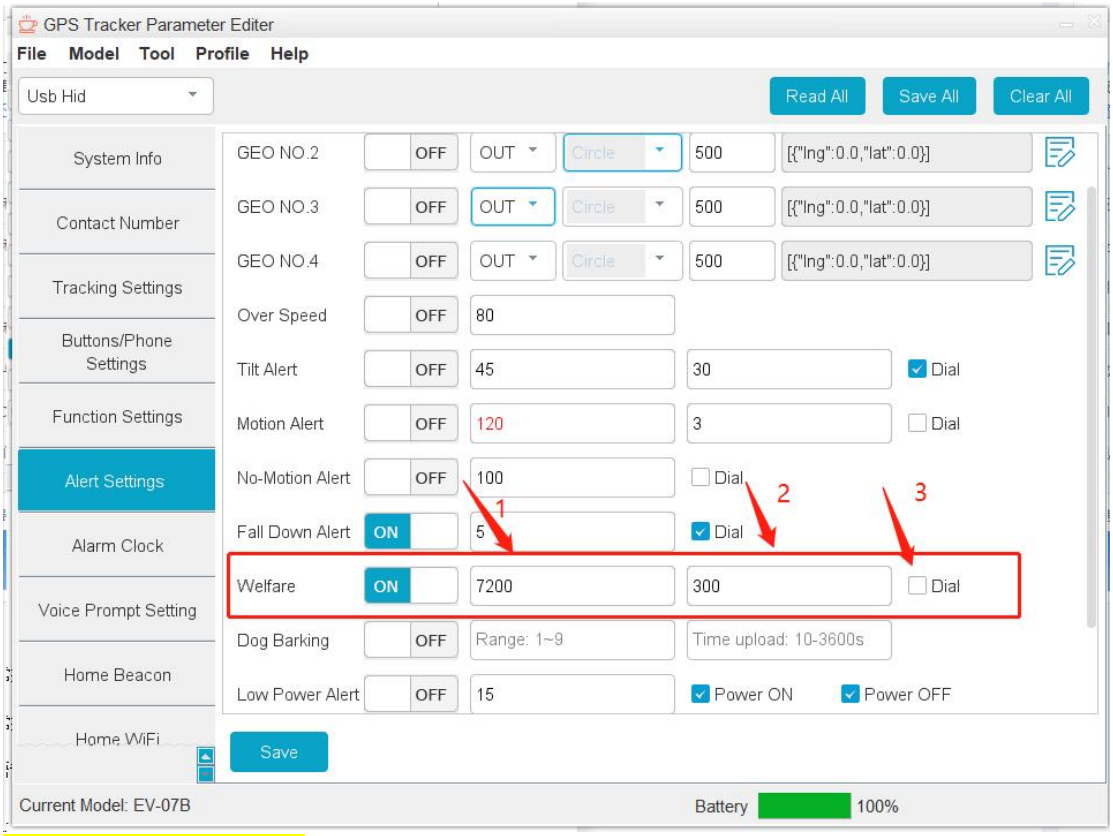
- Option 1: Check the power-on reminder function. After the device is powered on and online, when data is uploaded to the server, the power-on reminder will be marked and uploaded together. If unchecked, no marking will occur.
- Option 2: Check the power-off reminder function. Before the device is powered off, it will upload a piece of data to the server, and the power-off reminder will be marked and uploaded together (if the location cannot be determined before shutdown or if there is a failure due to network issues, it will be supplemented during the next power-on data upload). If unchecked, no marking will occur.



Welfare Settings

In specific locations, it is necessary to check in by pressing a button when entering, and the device will start a countdown. Before the set countdown expires, if the user leaves the location without any emergency, they need to press the button again to check out and confirm safety. During the countdown reminder, if no emergency occurs, the user needs to check out to confirm safety. If they fail to check out when the countdown ends, the device will assume an emergency and send a distress signal to the monitoring center.

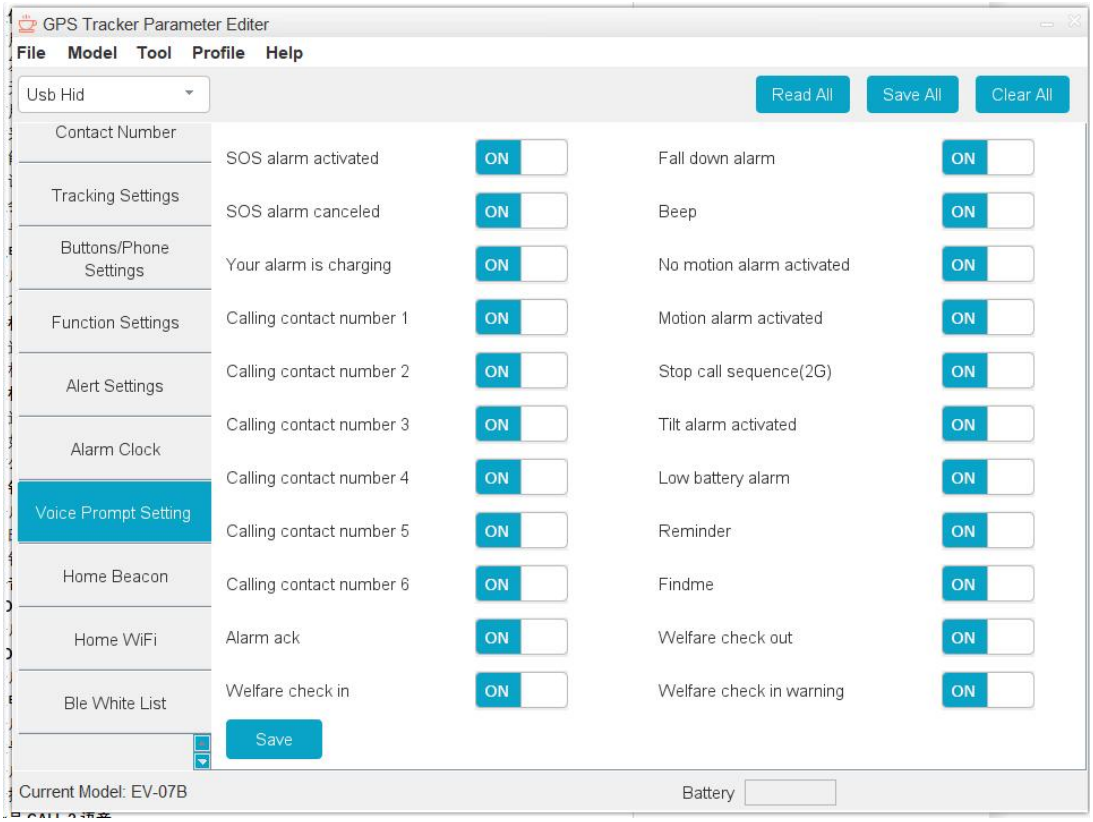
- Option 1: Set the duration of the countdown, customizable with a default of 2 hours.
- Option 2: Set the alarm duration (2 to 10 minutes), with a default of 5 minutes.
- Option 3: Set whether to make a phone call to emergency contacts when an alarm is triggered.



Voice Prompt Settings

1. SOS Activation Voice:
2. Enable: Normal SOS activation voice prompts.
3. Disable: No SOS activation voice prompts.
4. SOS Cancellation Voice:
5. Enable: Normal SOS cancellation voice prompts.
6. Disable: No SOS cancellation voice prompts.
7. Charging Voice:
8. Enable: Voice prompts when the device is charging.
9. Disable: No charging voice prompts.
10. Dial CALL 1 Voice to CALL 6 Voice:
11. Enable: Voice prompts when dialing the corresponding CALL number.
12. Disable: No voice prompts when dialing the corresponding CALL number.
13. Fall Alarm Voice:
14. Enable: Normal fall alarm voice prompts.
15. Disable: No fall alarm voice prompts.
16. No Motion Alarm Voice:
17. Enable: Normal no motion alarm voice prompts.
18. Disable: No no motion alarm voice prompts.
19. Motion Alarm Voice:
20. Enable: Normal motion alarm voice prompts.
21. Disable: No motion alarm voice prompts.
22. Prohibit SOS Continuous Dialing:
23. Enable: Allows cancellation of SOS continuous dialing after the first call.

24. Disable: Cannot cancel SOS continuous dialing (2G).
25. Tilt Alarm Activation Voice:
26. Enable: Normal tilt alarm activation voice prompts.
27. Disable: No tilt alarm activation voice prompts.
28. Low Battery Alarm Voice:
29. Enable: Voice prompts for low battery alarm.
30. Disable: No voice prompts for low battery alarm.
31. Find Device Voice:
32. Enable: Device rings when a find device command is sent.
33. Disable: No ringing when finding the device.
34. Welfare End Voice:
35. Enable: Voice prompts when the user leaves a specified location and checks out.
36. Disable: No voice prompts when checking out.
37. Welfare Start Voice:
38. Enable: Voice prompts when the user enters a specified location and checks in.
39. Disable: No voice prompts when checking in.



Home Beacon Settings

Entering the Beacon addition interface, correctly adding a Beacon that allows proper positioning will enable the device to use Beacon for positioning. If not added or if the switch is not turned on, Beacon positioning data will not be uploaded.

Beacon addition (currently up to 20 can be added) can be done through automatic search or manual input (SMS commands are also available for settings). You can input the

same latitude and longitude with the same name (latitude, longitude, and name can be arbitrarily set). Clicking "Scan" initiates an automatic search (which lasts for 10 seconds), then read the device, and all the discovered Beacons will be added to the Beacon list. Alternatively, you can directly click "Scan" to search for Beacons without entering latitude and longitude. However, in this case, the location will not be displayed during positioning; you can only retrieve the location from historical data on the server or through SMS.

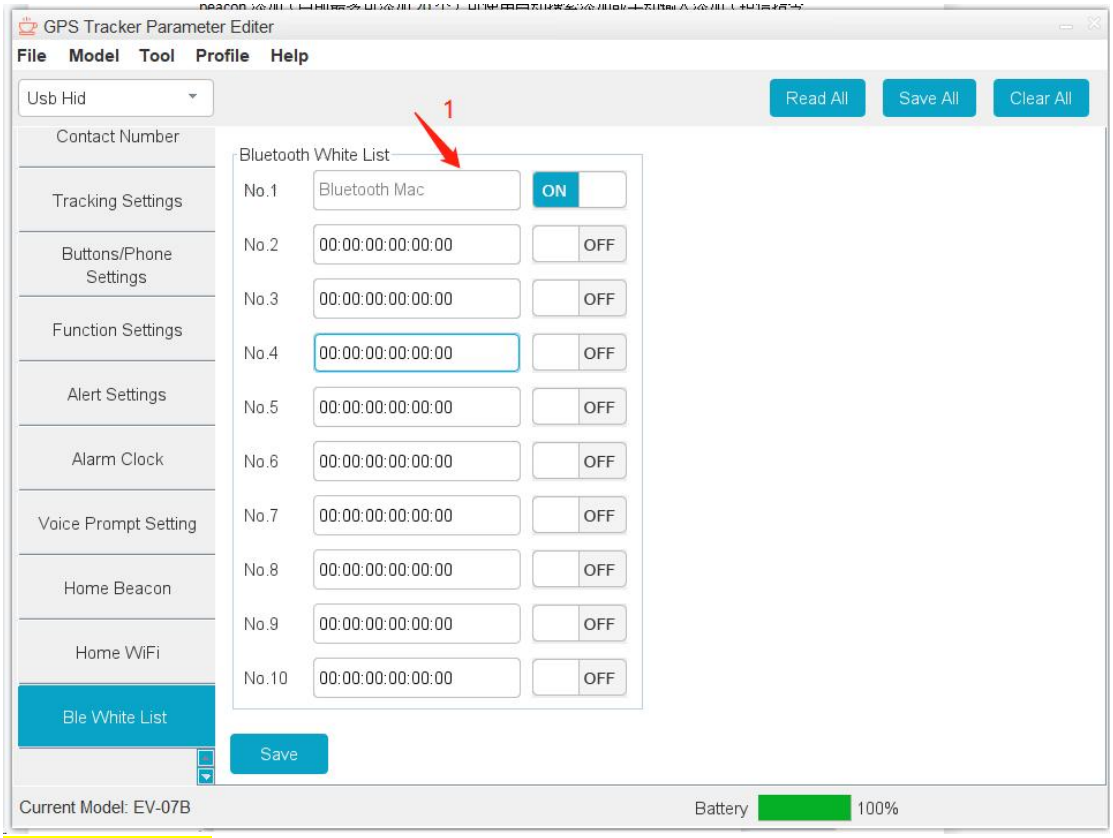
Home WIFI Settings

Entering the Home WiFi addition interface, correctly adding a Home WiFi address that allows proper positioning will enable the device to use Home WiFi for positioning. If not added or if the switch is not turned on, Home WiFi positioning data will not be uploaded.

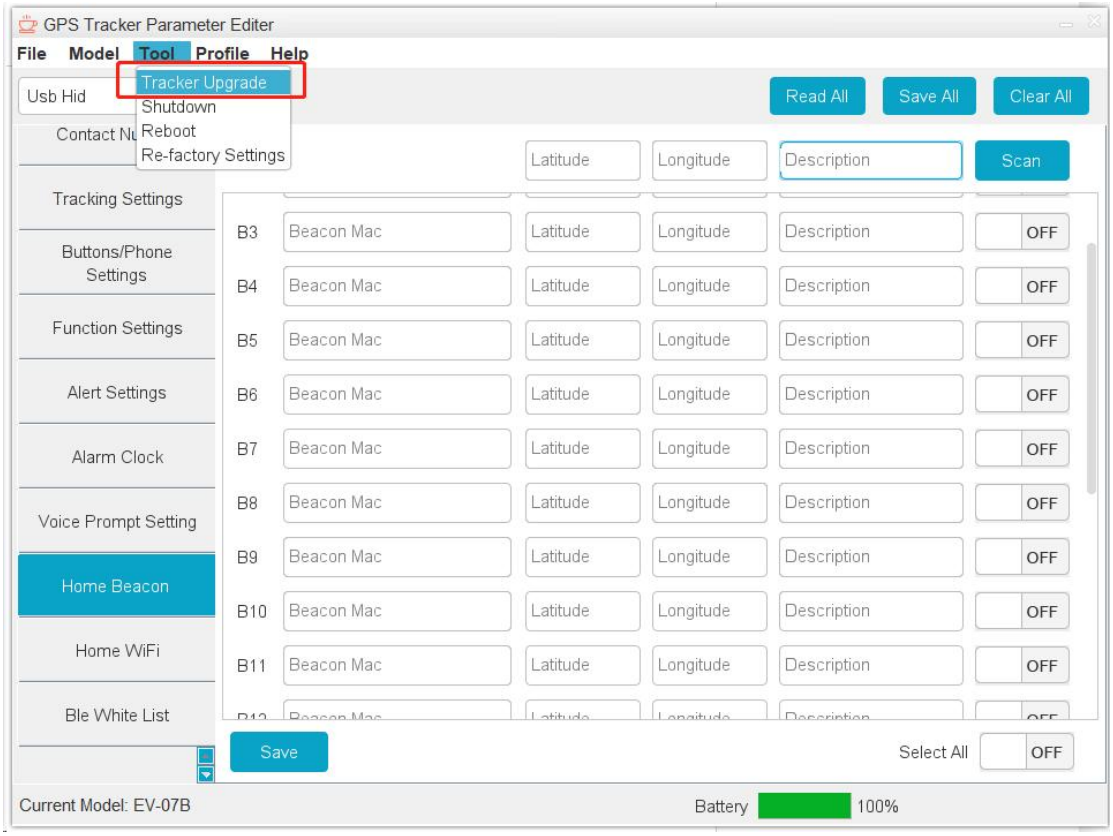
Home WiFi addition (up to 10 can be added) can be done by clicking "Scan Auto" to automatically search, selecting WiFi addresses from the search results, and selectively adding them to the Home WiFi list. Then, you can set any latitude and longitude, input the same latitude and longitude with the same name, click "Scan Auto" again for automatic search and addition of WiFi addresses to the Home WiFi list. Alternatively, you can directly click "Scan Auto" without entering latitude and longitude to automatically search and add WiFi addresses to the Home WiFi list. After adding, set any latitude and longitude, turn on the address switch, click "Save," and you're done.

Bluetooth Whitelist Settings

Activate the Bluetooth Whitelist feature, and input the correct Bluetooth MAC addresses.

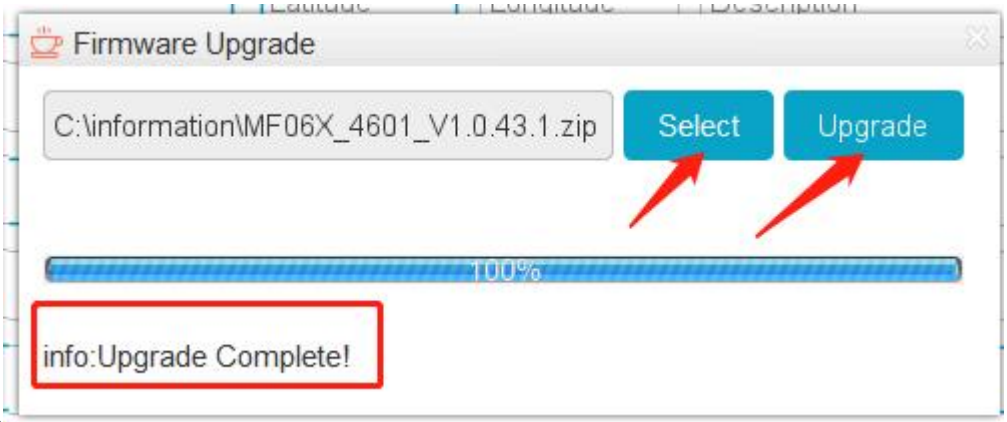


Device Upgrade



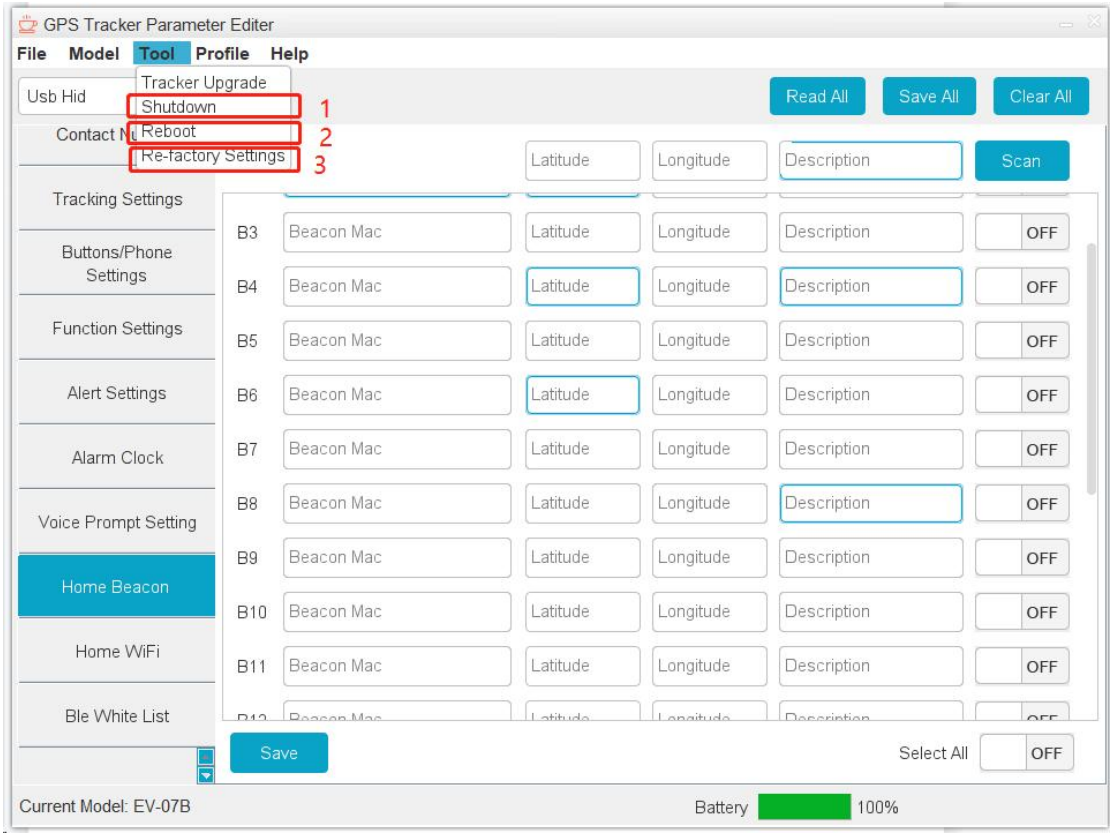
Select the firmware storage location (firmware archive does not need to be extracted), click "Update." When the progress bar reaches 100%, and the prompt "Upgrade

Complete" appears, it indicates that the upgrade is complete.



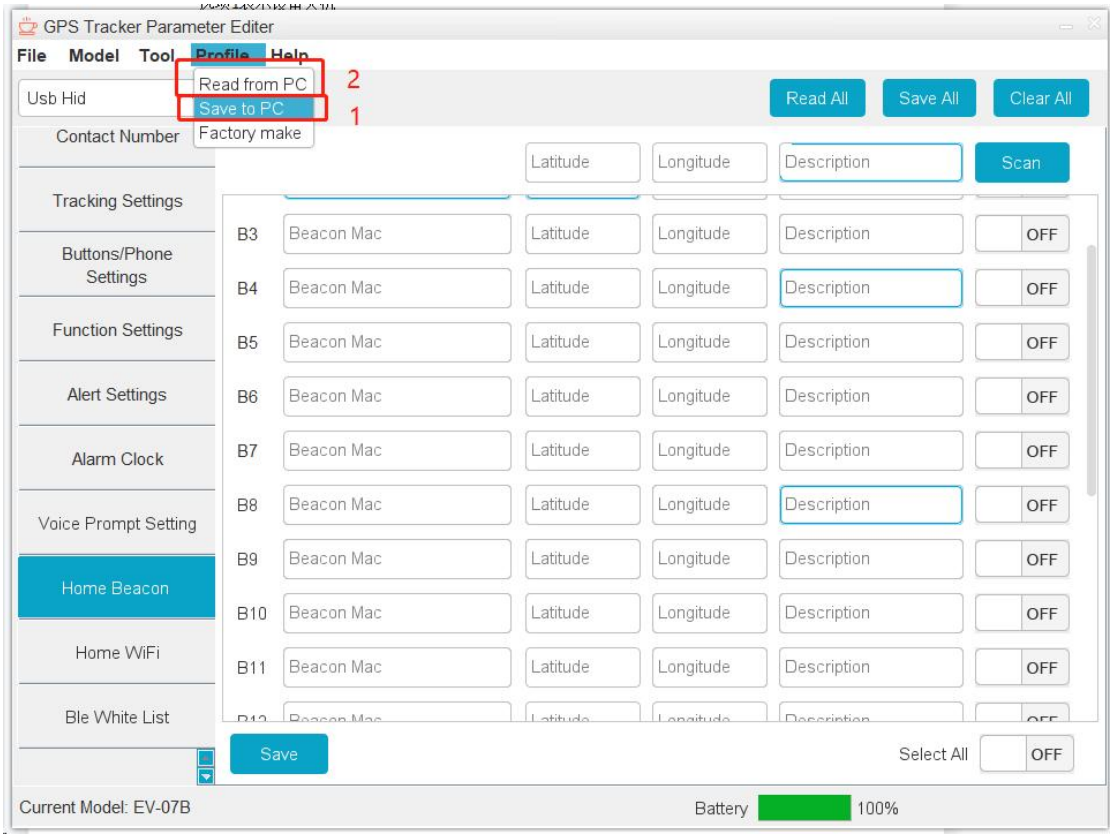
Basic Settings

Option 1: Power off the device. Option 2: Restart the device. Option 3: Restore factory settings.



Profile Configuration

After connecting the device using the tool, use the "Save to PC" option in the Profile menu to save the device's configuration as a file on the local computer. Then, use the "Read from PC" option to write the saved configuration file from the computer to other devices.


GPS Tracker Parameter Editer
File
Model
Tool
Profile
Help
Read from PC
Save to PC
Factory make
2
1
Usb Hid
Read All
Save All
Clear All
Contact Number
Tracking Settings
Buttons/Phone Settings
Function Settings
Alert Settings
Alarm Clock
Voice Prompt Setting
Home Beacon
Home WiFi
Ble White List
Latitude
Longitude
Description
Scan
B3
B4
B5
B6
B7
B8
B9
B10
B11
Beacon Mac
OFF
Save
Select All
Current Model: EV-07B
Battery
100%