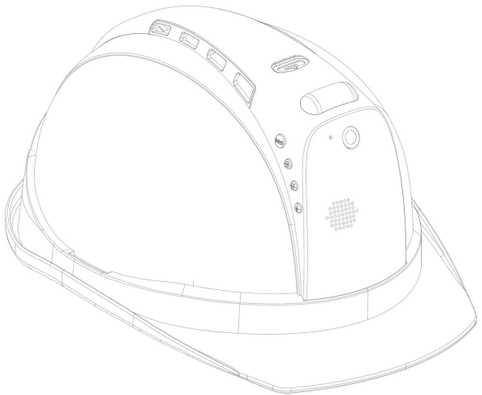
GPS safety helmet

user guide



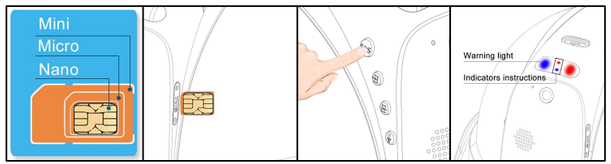
2021.6 First version

SIM card installation and power on

There are 2 versions GPS safety helmet ,**V49-G** is base on 2G network,**V49-L** is base on 4G networks. To ensure all functions' normal performance, please activate the SIM card's data plan and VOTEL phone call service.

Open the side SIM slot cover with the screw driver in accessories pack, and install a SIM card (Micro SIM for V49-G,Nano SIM for V49-L) as the direction displayed in following instructions: chip side upwards and narrow side in frond. Insert it till the feeling of being locked. Lock the SIM cover with screws to ensure the waterproof performance.

Long press the SOS key, until the helmet vibrates, boot ringtone starts and indicators are on;It can not be turn off the helmet by SOS key, only power off the helmet via App command.



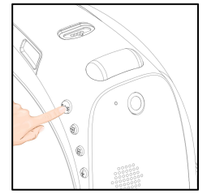
Indicators instructions

	Color	Status	Status explanation
Boot process	Red (Network)	Slow flash	In searching network
		Fast flash	Network received
	Blue (GPS)	Slow flash	In locating process
		Fast flash	Locating successfully
Charging status	Red indicator	Slow flash	In charging
		Always on	Charging finished
	Blue indicator	Slow flash	In charging
		Slow flash	Charging finished
Red indicator flashes slowly when the power is low.			

Functions operation：

After the helmet is powered on, we can do the following operation:

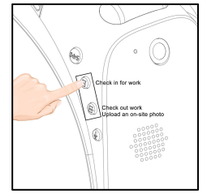
SOS for help:
Press the SOS key for 5 seconds, till the voice of "SOS help triggered". The SOS alert will be sent to App and management platform. The red/blue indicators will constantly flash. If SOS numbers have been preset in App, the alert will trigger SOS call to the preset SOS numbers. If the alarm is disarmed, short press the SOS key and red/blue indicators will be off at once.



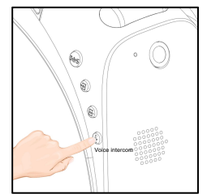
Clock in for work：
Long press the Clock in key till the voice of "Checked in" was heard, then the data of clock in will be sent to App and management platform.

Clock out after work:
Long press the Clock out key till the voice of "Checked in" was heard, then the data of clock in will be sent to App and management platform.

Upload an on-site photo：
Short press the Clock out key for twice, the voice of "A photo was taken" will be heard. The helmet will take a photo and upload it to the App and management platform.



Voice intercom：
Send out voice messages: Press the voice intercom key and speak at the same time, the voice message will be sent to App and management platform when release the key.
Receive voice messages： When the manager sends a voice message through the App, the GPS helmet user receives a new voice prompt, short press the intercom key to play the voice message.



GPS helmet warning functions:

Prompt voice for wearing a helmet for work:
When working hours are set on the App, this GPS helmet will automatically give a voice prompt: Please wear a helmet before entering the construction site.

Helmet off (removed) alarm:
After the removal alarm is set on the App, when the GPS helmet detects that it is not worn normally, the helmet will emit a voice prompt and the warning light will flash. Short press SOS key,then the alarm will be cleared.

Fall alarm:
After the fall alarm is set in the App, when the GPS helmet detects a fall, it will sound an alarm or the warning light will flash. If it is not a real fall, short press the SOS button to cancel. If not cancel the alarm in 15 seconds, the fall alarm information will be reported to the App and management platform.

Warning light to find people:
If the warning light of the helmet is flashing, the management platform is looking for the helmet wearer at this time. If it has been found, short press the SOS key to turn off the warning light.

Sound to find people:
If the helmet speaker continues to play the ringtone, the management platform is looking for the wearer at this time. If the wearer has been found, short press the SOS button to turn off the ringtone.

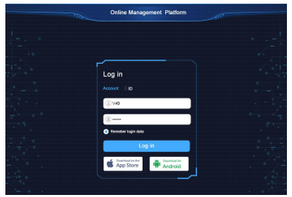
Power reminder light:

1. When the power of the helmet is lower than 10%, the red indicator will continue to flash slowly.
2. When charging, the red and blue indicators will flash slowly at the same time.

Important note: Each GPS helmet has a unique number, which is a 10-digit number and is affixed to the left brim of the helmet. This number is the unique identification code of the App and management platform. All data in the system is sorted and collected based on the number. Please do not discard it and keep it properly.

Management platform instructions

Web platform:



Visit the online command and debugging website of the GPS helmet: sos.gps123.org
Test account: V49
Password: 123456
After you purchase the product, we will create a new administrator account for you.

The interface after login includes:

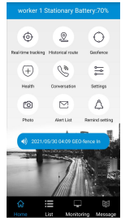
Home page: Overview of relevant data in the account, such as real-time summary, seven-day alarm chart, alarm list, helmet position information, etc.
Map view: The location and online status of all devices in the account can be viewed here.
Geo-Fence: The Geo-fence area can be set individually or in groups. If there is an incident of entering/exiting the fence, the platform and App will send out an alarm to improve the efficiency of personnel management on the construction site.
Alarm management: Provide multi-dimensional management reports, such as: distress alarm, fall alarm, removal (cap off) alarm, clock in, clock out, enter the Geo-fence, exit the Geo-fence, low-power alarm, offline alarm, etc., providing reliable data for the safety of the construction site Management.
Picture and voice messages: View pictures and listen to voice messages uploaded by GPS helmets.
Equipment management: Information management for all subordinate GPS helmets.

App instructions:

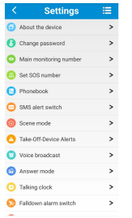
Search for: **Anytracking** in App store or Google play through your smartphone, or scan the QR code below to download the location management App, the login interface is as shown on the right

After logging in to the App, you can view the list of GPS smart helmets and related information in the account in batches. The interface is as shown below:

Select the ID number of the GPS helmet that needs to be viewed, and you can enter the control interface of a single ID, as shown in the right picture:
Real-time tracking: View the real-time position of the helmet. The position and time of the helmet are the same as the time of the phone, indicating that this is its latest position. If the time is inconsistent, please click the refresh icon in the upper right corner and it will refresh automatically after 20 seconds.
Historical route: Click on the historical route to view the route of the device in time intervals. You can view the route of any day within 90 days. You can choose whether to filter the LBS base station positioning data when viewing. Note: LBS is the indoor positioning data, the error is relatively large.
Geofence: Add, view or cancel the fence area. When the device enters or exits the fence area, the positioning platform will immediately push the alarm notification to the APP.
Note: It is recommended that the radius of the fence be greater than 300 meters to reduce false alarms.



Conversation:
Call to tracker/helmet: After clicking, you can directly call the helmet;
Voice talk: press and hold the microphone in the interface to speak, you can directly send voice messages to the helmet and the helmet will automatically broadcast it.
Voice monitoring: After clicking, the device will actively dial the main monitoring number to realize the voice monitoring function of the surrounding sounds of the wearer.
Settings: <u>While doing App settings , please make sure the device is online and the device sim card has enough data plan.</u>



About the device: View and edit the helmet's information.
Change password: Change App and platform's login password.
Set SOS number: The user can set 3 SOS numbers. Once SOS key is pressed, the helmet will make calls to the three preset SOS numbers one by one twice, till one of them picks up the call.
Phonebook: Please preset numbers for the whitelist of incoming calls. Only the numbers in the phonebook can make calls to the helmet ; Calls of non-phonebook numbers, will be refused by the helmet.
Scene mode: Set the helmet's coming call notification modes, including ringtone, vibration, both ringtone and vibration and silence four modes.
Voice broadcast: You can set up three different time modes of voice broadcast according to actual needs, and automatically broadcast at the time. The content of the broadcast can be customized by us. The default ringtone number 1 is: Please wear a helmet when entering the construction site.
Take-off device alerts: Once turn on this alert, the helmet will send out voice warning "Please wear a helmet." When the wearer takes off the helmet.
Fall down alarm: Turn on the fall alarm switch and adjust the fall alarm level setting. The default is 2. The larger the value, the lower the sensitivity. Adjust and use according to actual application scenarios.
Talking clock: Turn on the talking clock switch, short press the SOS power key to report the time automatically, and turn off it to cancel this function.
Find the device: After the command is sent out, the helmet will ring to help the manager to find the wearer in time.
Device language and time zone: Set the language of the helmet alarm message, Chinese and English are available. Different countries and regions use various time zone, the factory default time zone is "+8".
Remote reboot: Restart the GPS helmet through the App.
Remote power-off: Turn off the GPS helmet through the App. After it is turned off, it can only be turned on manually. It cannot be turned on remotely. Please use it with caution.
Factory-Reset: Delete all data both the settings and historys.
Photo: Send photo take command and view photo

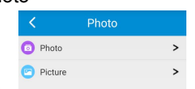


Photo: Send photo command remotely via APP. The device can also short press the clock out key twice to automatically take a photo, and the voice prompts "the photo was taken successfully".
Picture browsing: User can view the photos automatically uploaded when SOS calls for help and the photos actively requested by the App or device, or taken when fall alarm is triggered.
Alert list: User can view all the alarm messages of the device, and long press the corresponding message to delete.
FAQ: General common problems can be solved through the answers in FAQ.