



# MANUAL

## GP-FINGER-104



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## 1. What is guard tour system?

Guard tour system is a system used to help companies to organize, log and execute guard tours and patrols in their assets, ensuring that the officers will accomplish their tasks within the predefined time intervals.



## 2. Applications

- warehouse systems
- improving rent a car systems
- monitoring proper service
- supervising personnel work time and place
- monitoring scheduled technical maintenance
- supervising guards
- supervising service producers
- supervising drivers
- monitoring rent systems
- airport protection and supervising workers
- hotel protection and supervising workers
- protection for other public institutions

### 3. Functional Diagram



#### 4. Prompt: Basic Function

Working Prompts		
Power on		Red LED flashes one second and vibrates once.  Screen: logo  Voice: Make Patrol Easier
Power off		Vibrates once  Screen: POWER OFF  Voice: Power off
Registering		Internet registration automatically when power on.  Screen: REGISTERING  Voice: Registering  Blue LED flashes once per second.
Registered successfully		Screen: RREGISTER OK  Voice: Register successfully  Device vibrates once, blue LED turns off
Internet Registration	Registration failed	Screen: REGISTER FAILED  Voice: Register failed  Vibrates 3 times, blue LED turns off
Standby		Green LED flashes once every 3 seconds.
Low power		Red LED flashes once every 3 seconds.

## 5. Prompt: Phone Call Function

Working Prompts	
Phone Call	Contact Switching
	In contact information interface, hold button for 3 seconds Vibrates once SCREEN: DIALING <b>The call is answered:</b> Screen: CONNECTING <b>The call is not answered or be hang up:</b>
	Dial Vibrates once Screen: CALL ENDED
	Incoming Call Vibrates once Screen: Contact name or UNKNOWN CONTACTS Device rings and LED flashes till the call is ended
Missed Call	Vibrates once Screen: MISSED CALL
	Voice: Missed Call

## 6. Prompt: Power and Data Upload

Working Prompts	
Charging	Red LED solid on
Full charge	Green LED solid on
	<p>Screen: UPLOAD; Voice: Uploading; Blue LED solid on</p> <p><b>Upload Successfully:</b></p> <p>Vibrates once</p> <p>Screen: UPLOAD OK</p> <p>Voice: Data uploaded successfully</p> <p>Blue LED flashes 5 times and turns off</p>
Upload Patrol Data	<p><b>Upload Failed:</b></p> <p>Vibrates 3 times</p> <p>Screen: UPLOAD FAILED</p> <p>Voice: Data Uploaded Failed</p> <p>Blue LED turns off</p>
	<p>Screen: Low Power; Voice: Low battery, charge please; Blue LED Solid on</p> <p><b>Upload Successfully:</b></p> <p>Vibrates once</p> <p>Screen: UPLOAD OK</p> <p>Voice: Data uploaded successfully</p> <p>Blue LED flashes 5 times and turns off</p>
Upload Low Power Data	<p><b>Upload Failed:</b></p> <p>Vibrates 3 times</p> <p>Screen: UPLOAD FAILED</p>

	Voice: Data Uploaded Failed; Blue LED turns off
Upload Alarm Data	<p>Screen: ALERTING; Voice Alerting now; Blue LED Solid on</p> <p><b>Upload Successfully:</b></p> <p>Vibrates once</p> <p>Screen: SUCCESS</p> <p>Voice: Alerting successfully</p> <p>Blue LED flashes 5 times and turns off</p> <p><b>Upload Failed:</b></p> <p>Vibrates 3 times</p> <p>Screen: FAILED</p> <p>Voice: Alerting Failed</p> <p>Blue LED turns off</p>

## 7. Prompt: Read Checkpoint

### Working Prompts

Clock error	Vibrates 3 times  Screen: TIMING PLS  Voice: The clock is wrong, please timing
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Read Checkpoint Successfully	<p>Vibrates once</p> <p>Screen: SUCCESS</p> <p>Voice: Reading successfully Play voice event if generate</p> <ul style="list-style-type: none"> <li>• Sending data directly if internet register successfully</li> <li>• Record data if no SIM card inside</li> </ul>
Data storage error	<p>Vibrates 4 times</p> <p>Screen: STORAGE ERROR</p> <p>Voice: Stored Failed</p>
Low Storage	<p>When the record stored more than 50,000, read again: Vibrates two times</p> <p>Screen: SUCCESS, DATA FULL</p> <p>Voice: Reading successfully, please Upload Now</p>
Data Full	<p>When the record stored is 60,000, read again:</p> <p>Vibrates 6 times</p> <p>Screen: DATA FULL</p> <p>Voice Shows: Store failed under sufficient storage</p>

## 8. Prompt: Fingerprint

Working Prompts	
Fingerprint Verification Successfully	<p>If you set verify fingerprint before each time you read checkpoint:</p> <p>Vibrates once</p> <p>Screen: PLEASE READING</p> <p>Voice: Please reading checkpoint</p> <p>If you set verify fingerprint only 1 time after you power on device:</p> <p>Device vibrates once Screen: SUCCESS</p> <p>Voice: Fingerprint verifies successfully</p>

Fingerprint Verification Failed	Vibrates 3 times Screen: REVERIFY Voice: Please re-verify the fingerprint
Fingerprint Collection	Screen: Collect Voice: Please place your finger; Please lift your finger Collection Successfully: Screen: SUCCESSFULLY Voice: Collect successfully; Collection Failed: Screen: FAILED; Voice: Collect failed

## 9. Technical Specification

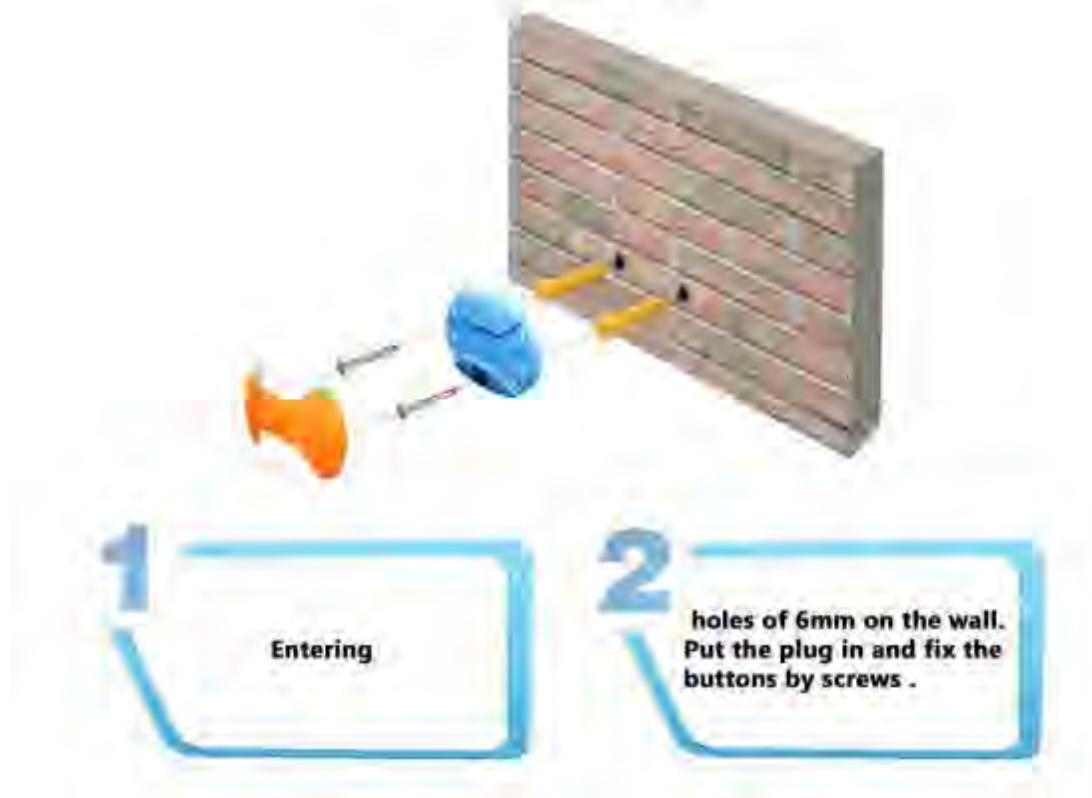
Model	GP-FINGER-104
Physical Material	ABS engineering plastic/TPU
Dimensions	120mm*68mm*32mm
Weight	221g
Reading Type	RFID
Reading Frequency	125KHz
Operation Temperature	-20°C to +85°C
Storage	60,000 pieces records
Protection Level	IP67
Charging Time	3 hours
Battery	3.7V Lithium Recharge Battery
Standby Time	19 Hours (Sending data for 15s intervals )

Communication	USB 2.0 (Drive-Free); 12,000 record uploading/min
Humidity	10% to 90%

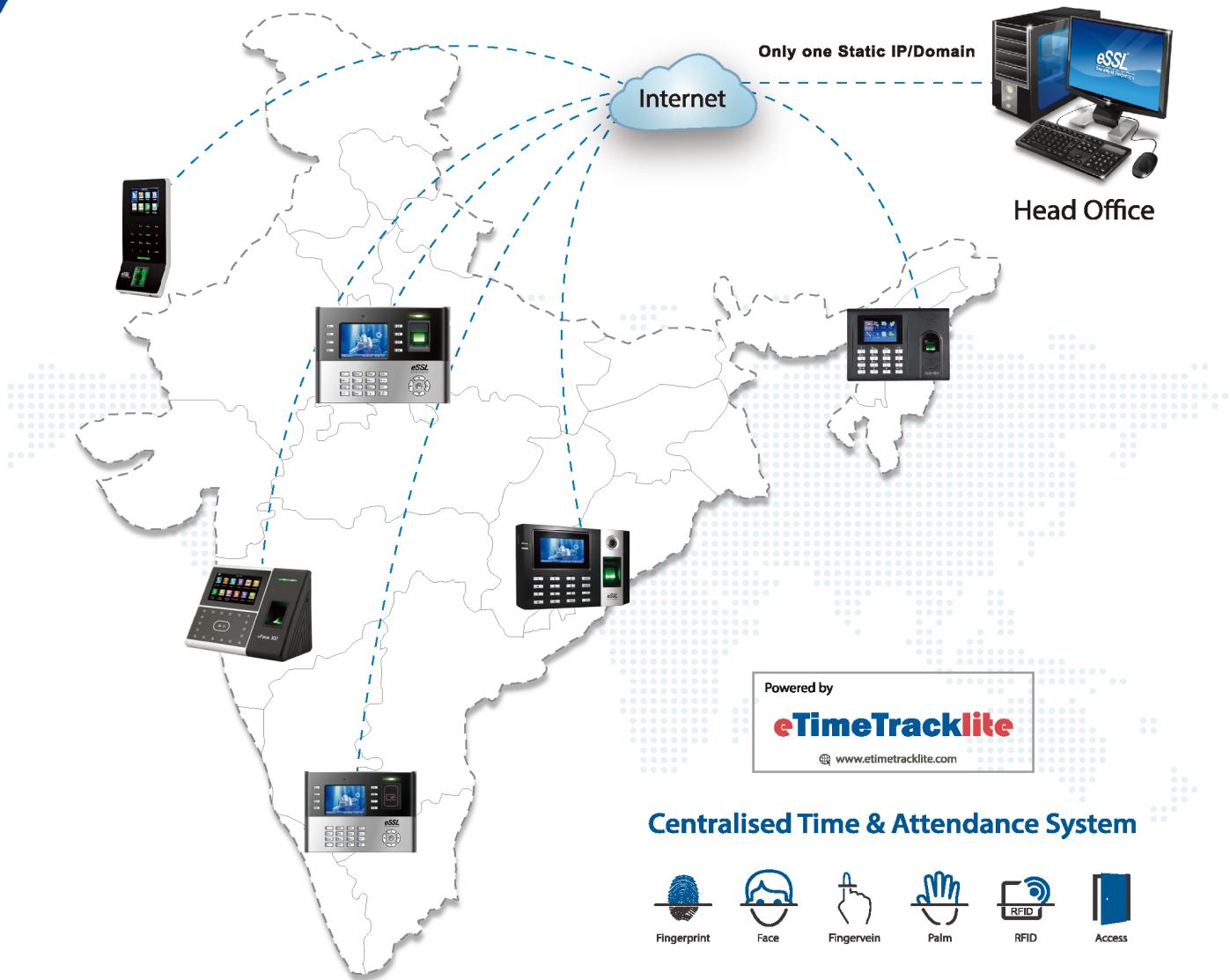
## 10. User Flow

- 1) Make a sketch of the checking places that the guard needs to check.
- 2) Install checkpoints on each checking place.  
\*The round shape checkpoint can be stuck or screwed on the wall.
- 3) Install software and make settings in software
- 4) The guard uses the reader to starts to patrol, he needs go to each checking place and uses the reader to scan checkpoints installed on the wall.
- 5) The guard will press the reader left button for sending data (or send data automatically) to the control center. The reader also can

## Installation



# Manage Time & Attendance for all your Branches from Head Office



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