

Mobile Lite-R23

Cellular Emergency Alarm System

Installer's Guide

Table of Contents

1.	INTRO	DDUCTION	1
	1.1. N	MOBILE LITE-R23	1
		VHAT'S IN THE BOX	
2.	SYSTI	EM OVERVIEW	2
		DENTIFYING THE PARTS	
	2.2. F	Power Supply	3
3.	GETTI	ING STARTED – SETTING UP MOBILE LITE	4
	3.1. N	MOBILE LITE LANYARD AND ATTACHMENT	4
		MOBILE LITE BELT CLIP AND ATTACHMENT	
		CHARGING MOBILE LITE	
		HARDWARE INSTALLATION (FOR PC PROGRAMMING)	
		SOFTWARE INSTALLATION (FOR PC PROGRAMMING)	
	3.5.1.	Installing USB Driver	
	3.5.2.	Installing PC Programming Tool	9
4.	PROG	RAMMING MOBILE LITE	10
	4.1. F	PC Programming Tool (Installers Only)	10
	4.1.1.	·	
	4.1.2.	APN	
	4.1.3.	Report Setting	
	4.1.4.	Setting	
	4.1.5.	Telemetry Log	
		, -	
	4.1.6.	System Log	
	4.1.7.	Device	
	4.1.8.	Miscellaneous	22
	4.1.9.	Firmware	23
	4.2.	SMS REMOTE PROGRAMMING	24
5.	LOCA	L RF DEVICE MANAGEMENT	25
6.	OPER	ATION	26
	6.1. <i>A</i>	ANSWERING INCOMING CALLS	26
		CURRENT OPERATION CONDITION	
	6.3.	GPS/WI-FI LOCATE FUNCTION	27
	6.4. T	EST MODE	27
	6.5. A	ALARM ACTIVATION	28
	6.5.1.	Alarm Report Procedure	31
	652	Callback Mode	32

6.5	3.3. Speech Reporting Method	33
6.5	i.4. Report Sequence	34
6.6.	SLEEP MODE	36
6.7.	CHECK DEVICE INFORMATION	36
6.8.	USAGE RECOMMENDATION FOR FALL DETECTION	37
6.9.	VOICE PROMPTS	38
7. AP	PENDIX	41
7.1.	SMS REMOTE PROGRAMMING COMMANDS TABLE	41

1. Introduction

1.1. Mobile Lite-R23

Coming in a slimmer case design, Mobile Lite-R23 is a light, portable and richly featured cellular medical alarm with GPS positioning, Wi-Fi positioning, GeoFencing and mobile network that protect you wherever you go. The built -in fall sensor will raise an alarm call when a fall has been detected.

The mobile lite unit is capable of playing voice prompts to raise the users' self-awareness and reporting events via Speech, SMS and IP (Mobile Network) protocols to directly communicate with the monitoring centers.

1.2. What's in the Box

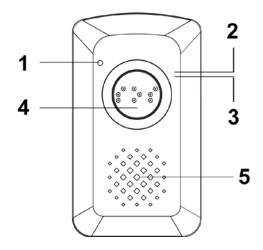
Your Mobile Lite package includes the following items:

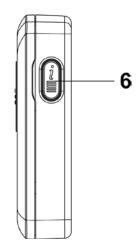
Items

- Mobile Lite-R23
- Lanyard
- Belt Clip
- CT-6S
- Regular Micro-USB Cable
- 5V 1A Adapter
- Programming Micro-USB Cable (Optional)

2. System Overview

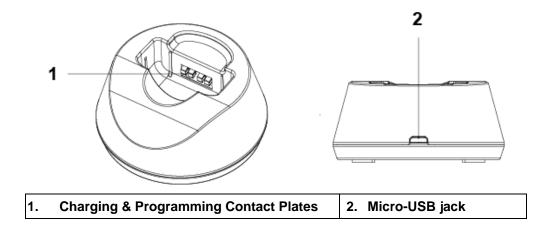
2.1. Identifying the Parts





Вι	itton/LED/Compon ent	Behavior	Function/Indication
1.	Microphone		
2.	Top LED (Green)	On	Charging
		1 flash every 5 seconds	Normal Operation
	Top LED (Red)	1 Flash every 3 seconds	Low Battery
		When Mobile Lite is charging, the Red status.	LED will not indicate the battery
3.	Bottom LED (Amber)	1 Flash every 3 seconds	Cellular Network fault
	(71111201)	All LEDs ON	During Local Firmware Update
4.	Active Button	Press for 2 seconds	Trigger emergency alarm
	(Help Button)	Press once when Mobile Lite is ringing	Pick up incoming call
		Press and hold for 5 seconds during a Guard Time	Cancel alarm
		Press and hold for 5 seconds during a call	Terminate the call
5.	Speaker		
6.	Info Button	One Short press	 Power on the device Check cellular signal strength and battery level Leave Pairing Mode
		Press and hold for 3 seconds	Enter the Test Mode
		Press and hold for 6 seconds	Enter the Pairing Mode
		Press and hold for 9 seconds	Power off the device

Charging & Programming Cradle (CT-6S)



2.2. Power Supply

- Mobile Lite is powered by rechargeable battery. The typical charging time is 4 hours.
- As the battery may not be 100% charged when you get your Mobile Lite, make sure to charge your Mobile Lite before the first use.
- To charge Mobile Lite, please refer to 3.4. Charging Mobile Lite.
- When Mobile Lite is low on battery, the Top LED will flash Red every 3 seconds and Mobile Lite will make Low Battery report.
- If battery is not changed after making Low Battery report, Mobile Lite will
 make the second Low Battery report when battery voltage drops too low
 and turn off GPS/Wi-Fi positioning function.
- Mobile Lite makes a battery restored report to the CMS when its battery is fully recharged.

3. Getting Started – Setting up Mobile Lite

3.1. Mobile Lite Lanyard and Attachment



Attachment

- Hook the the lanyard onto the Mobile Lite unit.
- Put the lanyard around the neck of the user.



Removal

 Press the button to release the hook and remove the lanyard.

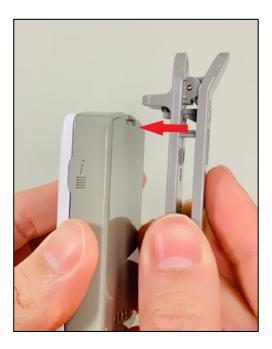


3.2. Mobile Lite Belt Clip and Attachment



Attachment

- Hook the the belt clip onto the Mobile Lite unit.
- Use the clip to attach the Mobile Lite to the user's waistband or belt.



Removal

 Press the button to release the hook and remove the belt clip.



<NOTE>

When the fall detection function is enabled for Mobile Lite, please use the lanyard to wear Mobile Lite unit on the neck and let it hang in front of the chest, so that Fall Sensor can be effectively triggered.

Please do not use the belt clip to wear the Mobile Lite on waistband or hide the Mobile Lite unit inside coat pocket, which may lead to difficult trigger or non-detection of fall.

3.3. Charging Mobile Lite

Step 1. Place Mobile Lite into the CT-6S Cradle. Please make sure that the Charging Contact Plates of both Mobile Lite and the cradle are in contact with each other.

The Mobile Lite-R23 can also be inserted into the Cradle without removing the belt clip.



Picture A.

Mobile Lite-R23 without a belt clip

on CT-6S



Picture B.

Mobile Lite-R23 with a belt clip

on CT-6S

Step 2. Insert the cradle end of the Regular Micro-USB Cable into the Micro-USB jack as shown in the picture:



Step 3. Insert the charging end of the Regular Micro-USB Cable into the AC Adapter and plug the adapter into a power socket.



3.4. Hardware Installation (For PC Programming)

Programming Micro-USB Cable

For programming via connecting Mobile Lite to CT-6S and then connecting to computer, a special Programming Micro-USB Cable is required. The USB end of programming cable is larger than the regular cable.

Always use the Programming micro USB cable for connecting CT-6S to computer. Never use a regular micro USB cable for computer connection. The programming cable is ONLY provided for sample order.

If extra Programming cable is needed, please contact your supplier.



Programming Micro-USB Cable



Regular Micro-USB Cable

To use PC Programming Tool for programming Mobile Lite, follow the hardware installation steps below:

Step 1. Place Mobile Lite into the CT-6S Cradle. Please make sure that the programming Contact Platesof both Mobile Lite and the cradle are in contact with each other.



Step 2. Insert the cradle end of the <u>Programming Micro-USB Cable</u> into the Micro-USB jack as shown in the picture:



Step 3. Insert the programming end of the <u>Programming Micro-USB Cable</u> into a computer USB port as shown in the picture below:



<WARNING>

If programming cable is not provided, please contact your supplier. **DO NOT** attempt to connect CT-6S to computer with a regular_Micro-USB cable.



Programming Micro-USB Cable



Regular Micro-USB Cable

3.5. Software Installation (For PC Programming)

3.5.1. Installing USB Driver

Mobile Lite can be programmed via USB port connection of a computer using the PC Programming Tool software (using the Programming Cable).

If the computer cannot recognize the USB connection, please try installing the USB driver as instructed below.

- **Step 1.** Make sure Mobile Lite is connected properly (please refer to **3.4. Hardware Installation**)
- **Step 2.** Please go to http://www.ftdichip.com/Drivers/VCP.htm. Scroll down the webpage and select the driver file according to your operation system, download and install the driver.

			Processor Architecture							
Operating System Release Date		x86 (32- bit)	x64 (64- bit)	PPC	ARM	MIPSII	MIPSIV	SH4	Comments	
Windows*	2017-08-30 2.12.28 2.12.28		-	WHQL Certified. Includes VCP and D2XX. Available as a setup executable Please read the Release Notes and Installation Guides.						
Linux	-	-	-	-	-	-	-	-	All FTDI devices now supported in Ubuntu 11.10, kernel 3.19 Refer to TN-101 if you need a custom VCP VID/PID in Lin VCP drivers are integrated into the kernel.	
Mac OS X 10.3 to 10.8	2012-08-10	2.2.18	2.2.18	2.2.18	-	-	-	-	Refer to TN-105 if you need a custom VCP VID/PID in MAC OS	
Mac OS X 10.9 and above	2017-05-12	-	2.4.2	-	-	-	-	-	This driver is signed by Apple	
Windows CE 4.2-5.2**	2012-01-06	1.1.0.20	-	-	1.1.0.20	1.1.0.10	1.1.0.10	1.1.0.10		
Windows CE 6.0/7.0	2016-11-03	1.1.0.22 CE 6.0 CAT CE 7.0 CAT	-	-	1.1.0.22 CE 6.0 CAT CE 7.0 CAT	1.1.0.10	1.1.0.10	1.1.0.10	For use of the CAT files supplied for ARM and x86 builds refer to AN_319	
Windows CE 2013	2015-03-06	1.0.0			1.0.0				VCP Driver Support for WinCE2013	

3.5.2. Installing PC Programming Tool

PC Programming Tool for Mobile Lite is a portable application and requires no installation. After installing the USB driver, simply unzip the file to a desired folder and execute the "Mobile_Tool_MG.exe" file.



4. Programming Mobile Lite

Mobile Lite can be programmed by using a PC Programming Tool.

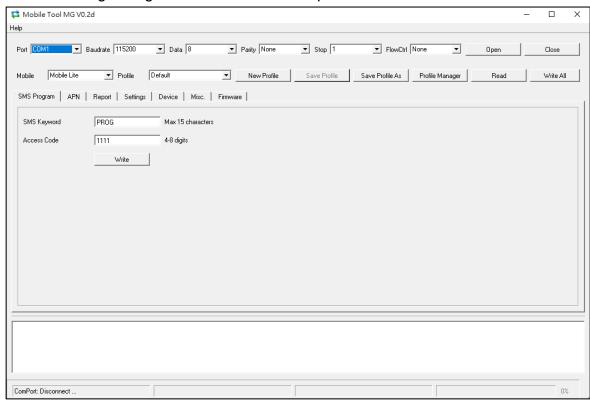
4.1. PC Programming Tool (Installers Only)

For system setting programming with PC Programming Tool software via USB port, follow instruction below.

Step 1. Execute the programming tool:



The following configuration screen will be opened.



Step 2. Select the following settings in the top section of the configuration screen and click "Open."

 Port: Select the COM port generated for Mobile Lite after installing the USB Driver (the USB port connected to Mobile Lite).

Baud rate: 115200

Data: 8Parity: None

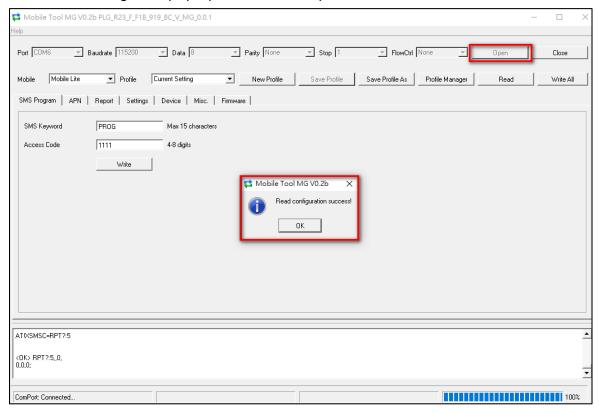
Stop: 1

FlowCtrl: None



Step 3. Read Configuration

To start configuring Mobile Lite settings, click on "**Open**". A Read configuration success message will pop up, click "**OK**" to proceed:



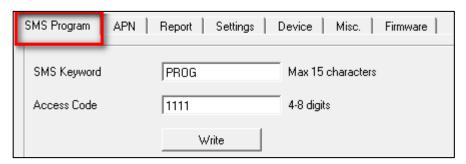
The current Mobile Lite setting will be displayed. Click on different tabs to see and edit Mobile Lite functions.



4.1.1. SMS Program

This tab allows the user to program SMS Keyword (15 characters max.) and Access Code 1 (4-8 digits) which are used for SMS Programming feature. Enter the information and click "Write" to complete programming. Please note that SMS Keyword is case-sensitive. For detail information, please refer to **4.2. SMS Programming**.

SMS Keyword: PROG (default)Access Code: 1111 (default)

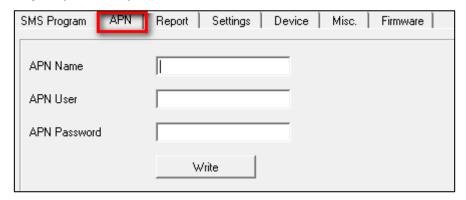


4.1.2. APN

The APN setting must be completed for Mobile Lite to report events via cellular network.

Click "APN" to set APN Name, APN User and APN Password and click "Write" to confirm.

- **APN Name:** The name of an access point for GPRS. Please ask your SIM card service provider for your APN.
- APN User: Offered by your SIM card service provider. Please ask your service provider for your GPRS username. If no username is required, you may skip this step.
- APN Password: Offered by your SIM card service provider. Please ask your service provider for your GPRS password. If no password is required, you may skip this step.

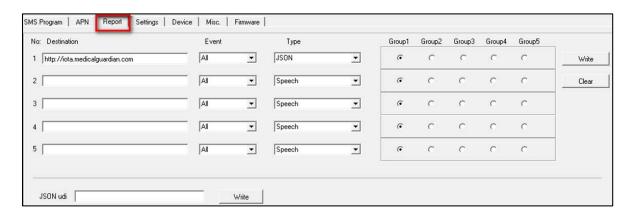


4.1.3. Report Setting

The "Report" tab allows the user to configure report settings.

Mobile Lite reports over 3 media: IP (Mobile Network), Speech channel, and SMS message.

5 **Report Indexes** are available for setting:



4 programmable settings are available per Report Index:

1. Report Destination

Enter a report destination. The format of the report destination will depend on the Reporting Format (Type). Please see **Report Destinations** below.

If there are no report destinations programmed, Mobile Lite will not report upon alarm activation and will emit 1 beep as a reminder.

2. Event Filter

Select an event filter. The event filter determines which events are reported to the selected Report Destination.

3. Reporting Format (Type)

Select a reporting format. The reporting format determines how the events are reported to the Report Destination.

4. (Reporting) Groups

Assign the Report Index to a Reporting Group. The Reporting Group determines the sequence of reporting.

Click "Write" to apply the settings to Mobile Lite.

Report Destinations

After Report Format is determined, enter the Report Destinations according to the designated Report Format:

JSON reporting: http://iota.medicalguardian.com

JSON udi: Please input the device UDI (Unique Device Identifier) for JSON Report. Maximum of 15 numeric characters or alphanumeric letters.

Speech reporting and SMS Text Report Format: PhoneNumber

Example: 0912345678

Speech Reporting: When activated, Mobile Lite will dial to the telephone number and open two-way voice communication directly.

- Speech reporting is for Emergency Event only. Status event will not be sent via speech.
- Please note that Location info cannot be sent via Speech.
- It is recommended to program at least one IP report before a Speech Report. The IP and speech reports each should be assigned to a separate Group. During two-way communication, Mobile Lite location info will be updated every minute, and at the same time reported via the last successful IP channel. (refer to 6.5. Alarm Activation for more details).

SMS Text Reporting: When activated, Mobile Lite sends a SMS text message to the recipient. The message contains event information and a Google Map link for location. If the recipient's receiver device supports map function, he/she can click on the link to locate Mobile Lite.

Event Filter

This parameter determines which events are reported to the selected Report Destination.

3 options: "All", "Emergency" and "Status". When an event is triggered, it will be reported to the reporting destination according to the setting. If set to All, the panel will report all events regardless of event type.

For example:

- Mobile Lite being low on battery is a "status" event. If report index 3 and 5
 are set as "status" and index 4 as "all" in event filters, this status event will
 be reported to destinations 3, 4, and 5.
- For more information, refer to **8. Appendix** for event code types.

Reporting Format (Type)

The available reporting formats include:

- JSON: The default IP report format for Mobile Lite R23.
- **Speech:** Mobile Lite reports over the Speech channel to allow the user to talk directly to the call recipient.
- SMS TEXT: Mobile Lite sends a SMS text message containing event

information and a location link.

Group

The Reporting Group determines the sequence of reporting.

One Report Index can only be assigned to one Group.

Reporting within a Group:

If there are multiple Report Indexes programmed within a Group:

Mobile Lite will report according to the numeric order (e.g. 1 > 2 > 3, etc.)
of the Report Index in a Group. Report will stop when one report is
successful and Mobile Lite will regard reporting to this Group successful.

For example, if Report Index 1 and 4 are assigned to Group 1, Mobile Lite will stop reporting if reporting to Index 1 is successful. If reporting to Index 1 failed, Mobile Lite will carry on reporting to Index 4.

• If all reporting in a group failed, Mobile Lite will retry reporting.

Mobile Lite will try reporting within the same group for **up to three times**, (or until one of the reports is successful). If three times of trying within the same group failed, Mobile Lite will regard reporting to this Group unsuccessful.

From the example above, suppose all report failed, the report sequence would be:

Reporting Cycle

- If multiple groups are assigned to the same event type (emergency or status), Mobile Lite will report according the group numeric order from the first programmed Group to the last programmed group. This report sequence is one reporting cycle.
- Reporting cycle is regarded as successful if any Group is successful, but Mobile Lite will terminate reporting only after completing the reporting cycle (going from the first programmed group to the last programmed group).
- Reporting behavior depends on the event type:

Emergency Events:

 When reporting to the first group is successful, Reporting is regarded as successful. Mobile Lite will still report to the next group until all groups have been tried to complete the reporting cycle.

For example, Groups 1 and 3 are assigned to Emergency Events:

If Group 1 is successful, Mobile Lite will still report to Group 3.

If reporting to Group 3 is successful, Mobile Lite will terminate reporting.

If reporting to Group 3 is unsuccessful (going through all the Report Indexes within the group for 3 times), Mobile Lite will also terminate reporting.

- When reporting to the first group failed (going through all the Report Indexes within the group for 3 times), Mobile Lite will start reporting to the next group. When reporting to the second group succeeds, reporting is regarded as successful. If no other group is programmed, Mobile Lite will stop reporting. If there are more groups programmed, Mobile Lite will continue reporting until all groups have been tried to complete the reporting cycle.
- If reporting to all the programmed groups failed in a reporting cycle, Mobile Lite will wait for 5 minutes. After 5 minutes, Mobile Lite will retry as it starts another reporting cycle.

For Emergency event, Mobile Lite will try reporting for up to three reporting cycles. If going through three reporting cycles and all failed, Mobile Lite will terminate reporting.

Example 1, if Groups 1 and 3 are programmed for "Emergency" reports, and assuming NO successful report until Group 1 is successful after the second try:

Group 1 > Group 3 > $\underline{\text{Wait 5 minutes}}$ > Group 1 (Success!) > Group 3 > Stops reporting whether Group 3 is successful or not.

Example 2, if Groups 1 and 3 are programmed for "Emergency" reports, and assuming there is NO successful report:

Group 1 > Group 3 > <u>Wait 5 minutes</u> > Group 1 > Group 3 > <u>Wait 5 minutes</u> > Group 1 > Group 3 > Stops reporting

Status Events:

Mobile Lite will only go through one reporting cycle for Status reports.

For example, if Groups 1 and 3 are programmed for "Status" reports:

Group 1 > Group 3 > Stops reporting whether Groups 1 and 3 succeeded or not

SMS Report text format

 Below are the SMS Text messages sent to user according to the condition of the Mobile Lite.

SMS text table:

Mobile Lite Condition	SMS Text format
Low battery status	Mobile Lite Low Battery
Battery voltage restored	Mobile Lite Battery Restored
Wakes up time	Mobile Lite Periodic Test

 When help is sent by pressing the Mobile Lite's Button, in which according to CID event code, the user will receive SMS text format as follows:

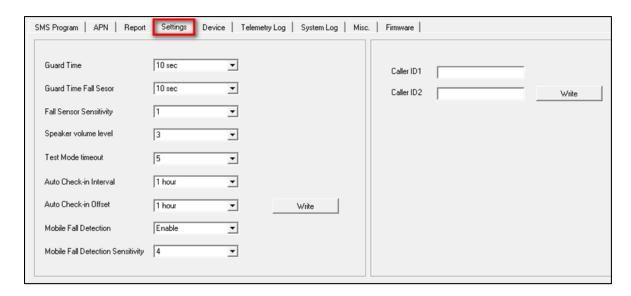
Mobile Lite Medical Help
Mobile Lite Medical Help maps.google.com/maps?q=12.12312,121.123123
Mobile Lite Medical Help maps.google.com/maps?q=12.12312,121.123123
By:WiFi
Mobile Lite Medical Help maps.google.com/maps?q=12.12312,121.123123
Last Know Loc. 1 Min Ago
Mobile Lite Medical Help maps.google.com/maps?q=12.12312,121.123123
Last Know Loc. 1 Hour Ago

<For Example>:

- Mobile Lite Medical Help maps.google.com/maps?q=12.12312,121.123123:
 (Display Mobile Lite exact location where help is sent through GPS signal).
- Mobile Lite Medical Help maps.google.com/maps?q=12.12312,121.123123 By:WiFi
 - (Display Mobile Lite exact location where help is sent through WiFi positioning).
- Mobile Lite Medical Help maps.google.com/maps?q=12.12312,121.123123 Last Know Loc. 1 Min Ago
 - (Display Mobile Lite exact location where help is sent through GPS signal with the last time the location spotted).

4.1.4. Setting

The Setting tab allows you to program general configuration for Mobile Lite. Click "Write" when you have completed all settings to confirm.



Guard Time:

- When the Active Button on Mobile Lite is pressed, the device will play voice prompt "Initiating Help" and enter guard time.
- During guard time, the device will emit one beep every second. After Guard Time expires, Mobile Lite will begin report.

Guard Time Fall Sensor:

- The Guard Time for Fall Sensor's fall detection function is set separately from regular Guard Time.
- After the Guard Time Fall Sensor expires, Mobile Lite will begin report.
- This function is only used when a fall is detected, if the Active Button on Mobile Lite or the Active Button of the learnt-in Fall Sensor is pressed to activate alarm, normal guard time is used instead.

Fall Sensor Sensitivity:

- Select a preferred sensitivity level for the learned-in Fall Sensor FS-3.
 (5 is the highest sensitivity level while 1 is the lowest sensitivity level.)
- After setting the sensitivity level from the Control Panel, please press and hold the button on the fall sensor for 8 seconds to receive the sensitivity level data from the Control Panel. (Refer to the Fall Sensor FS-3 user manual to complete sensitivity setting.)

Speaker Volume Level

- Adjust the speaker volume of Mobile Lite from a scale of 1-5, where
 - 1 = minimum speaker volume
 - 5 = maximum speaker volume

Test Mode timeout

- Select a time limit (1-10 minutes) for Test Mode.
- After the Mobile Lite enters Test Mode, if the Active Button is not pressed within the programmed period, the Mobile Lite will automatically come out of test mode.

Auto Check-In Interval:

- You can select the length of the interval between auto check-in reports.
- When the Mobile Lite makes the auto check-in report to CMS, its location info will also be updated and sent with the report.
- There will be no auto check-in report if you select "Disable."
- Whenever Mobile Lite is programmed, the auto check-in timer will be reset.

Auto Check-In Offset:

- After Mobile Lite is rebooted, reset or programmed, the system will start counting down the time for the first Auto check-in report.
- Mobile Lite will send the first check-in report according to the setting of Auto Check-In Offset time. Afterwards, Mobile Lite will send reports according to the setting of Auto Check-in Interval

Mobile Fall Detection

Select to enable or disable the fall detection function of Mobile Lite.

Mobile Fall Detection Sensitivity:

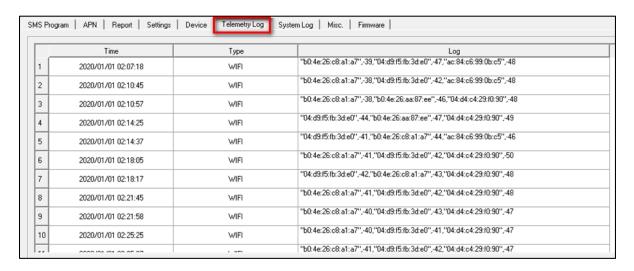
• Select a preferred sensitivity level for Mobile Fall Detection. (5 is the highest sensitivity level while 1 is the lowest sensitivity level.)

Caller ID: Caller ID #1 & Caller ID #2

- The device will instantly pick up the call if the incoming caller ID matches with the number(s) programmed in this function.
- The device will match the numbers starting from the last digit. For example, if a number string 321 is programmed, the device will instantly pick up any call that has a caller ID of 321 as the last 3 digits.
- Up to 15 numeric digits are allowed per setting.

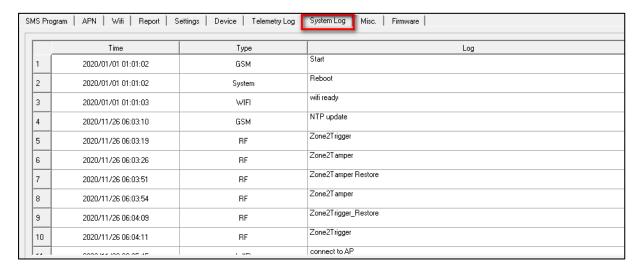
4.1.5. Telemetry Log

The Telemetry log tab logs the Mobile Lite's detailed cellular connection history.



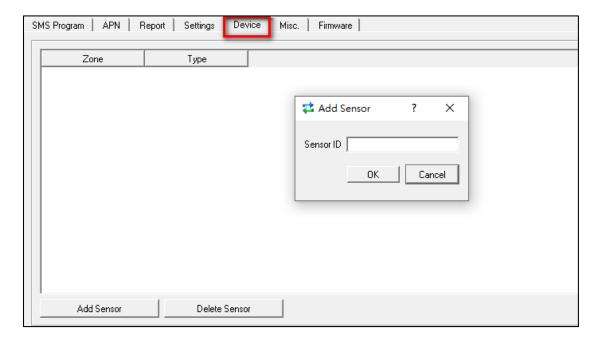
4.1.6. System Log

The system log tab logs the Mobile Lite's detailed system operation history.



4.1.7. Device

Click on the "**Device**" tab for Device settings where you can view device zone, type, add or remove devices.



For learning new device(s), please use local learning mode or use the PC Programming Tool.

Add Sensor:

Depends on the supplier, a Sensor ID of the device may be labeled (usually on the back of the device). Users can use the "Add Sensor" function to include sensors into the Mobile Lite.

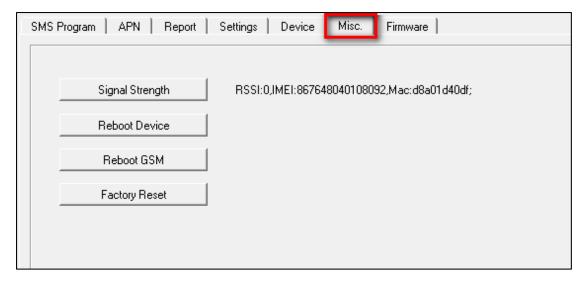
- Click on the "Add Sensor" button:
- Enter the Sensor ID (the barcode on the back of the sensor). A sensor ID is a combination of digits 1-9 and characters A-F and can contain 10 or 14 characters (can be uppercase or lowercase characters).
- If the sensor is successfully added, the sensor will be assigned from Zone
 1 to 20 in sequence.

Removing sensors:

Click on the device entry you wish to delete from the Device List, and then click the "**Delete Sensor**" button.

4.1.8. Miscellaneous

Click on the "Misc." tab to program miscellaneous options:



Signal Strength

Click on the Signal Strength button to obtain GSM signal strength.
 The IMEI number of GSM module will be displayed on the right side of GSM signal strength.

• Reboot Device

• Click "Reboot Device" to reboot Mobile Lite. This will not remove any programmed parameters on Mobile Lite.

Reboot GSM

• Click "Reboot GSM" will reset the Cellular module.

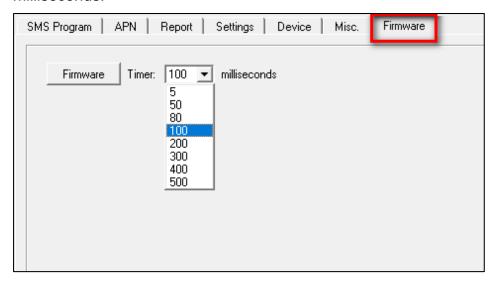
Factory Reset

Factory Resetting Mobile Lite will clear all programmed parameters.

4.1.9. Firmware

To update the firmware of Mobile Lite:

- Step 1. Click "Firmware".
- **Step 2.** Select the firmware update speed from the drop down menu. The shorter the time, the faster the update speed; however some computer may not be able to support high update speed and doing so may crash the computer. You may start by by selecting 5 milliseconds, if the computer could not support this speed, change to 100 milliseconds.



Step 3. Select the provided firmware in your computer. A small window will pop-up with the message "Read file! OK!". Click on the "**OK**" button and the update process will start.

Total elapsed time will be displayed to show how long the updating process has elapsed.



- **Step 3.** When updating process is completed, a message "Firmware update success!" will be displayed in a pop-up window.
- **Step 4.** Click on "**OK**" and the programming tool will read the settings of Mobile Lite again.

<WARNING>

During updating process, all LEDs will light up. Please DO NOT disconnect Mobile Lite from the computer nor clicking on the "Close" button of the programming tool.

4.2. SMS Remote Programming

- **Step 1.** Enter the SMS screen on your mobile phone or smartphone.
- **Step 2.** Enter the programming command (see the SMS remote programming commands tables below).
- Step 3. Enter a colon (:).
- **Step 4.** Enter SMS Keyword (default is **PROG**).
- **Step 5.** Enter a comma (,).
- Step 6. Enter the Access Code (default is 1111).
- **Step 7.** Enter a comma (,).
- **Step 8.** Enter the parameter(s).
- **Step 9.** The composition of the command is completed. You can send the command to Mobile Lite now.

<NOTE>

If the SMS message text format of your mobile phone is not English, please change it to English for SMS remote programming.

Example: To set IPOG as the keyword, you can send the following command:

	SUPPR:PROG,1111,IPOG				
SUPPR	=	Programming command			
:	=	Colon			
PROG	=	SMS Keyword			
,	=	Comma			
1111	=	Access Code			
,	=	Comma			
IPOG	=	Programmed parameter			

<NOTE>

You can compose multiple commands in one SMS text message by using ";" to separate each command.

Please refer to the Appendix for the **7.1. SMS Remote Programming Commands Table**.

5. Local RF Device Management

Mobile Lite can learn up to **20** RF devices which can be used to activate Mobile Lite to make emergency report.

Entering Learning Mode

Press the Info Button of Mobile Lite for 6 seconds. At the 6th second Mobile Lite will emit one beep and play voice prompt "Release for device pairing or continue to hold for next option. Release the button to enter learning mode. Mobile Lite R23 will play voice prompt "Entering Pairing Mode, press the button on the peripheral to connect to the device."

Device Learning and Testing

- **Step 1.** Press the Button on RF device to transmit signal. Refer to RF device manual for detail.
- **Step 2.** Mobile Lite will play voice prompt "Pairing completed" when it receives the signal from the pendant to indicate it has learned in the pendant.
- **Step 3.** Repeat Step 2~3 to learn in all devices, device learnt in will be assign from Zone 1 to 20 in sequence.

To test learnt in device, press the device button again after learning, Mobile Lite will emit a long beep if it successfully receives signal from already learnt in device.

After complete learning, press the Info Button on Mobile Lite once to exit learning mode. Mobile Lite will emit 1 beep.

6. Operation

6.1. Answering Incoming Calls

- Mobile Lite will ring when there is an incoming call.
- Press Mobile Lite Active Button to pick up the call.
- If the number of the incoming call matches any of the Caller ID, Mobile Lite will instantly pick up the call.
- Press a DTMF key for over 1 second to enable a designed shortcut function.
 - Enter (1) to talk only.
 - Enter (2) to open two-way voice communication.
 - Enter (3) to listen in only.
 - Enter (9) to hang up. You can also put the handset back to the base cradle to end the call.
- Press Mobile Lite's Active Button for 5 seconds to hang up or press the learnt-in RF device (WTR, Fall Sensor or PB) button once to hang up.
- The caller can press either DTMF (9) key, Active Button of RF device, or put the handset back to the base cradle to hang up.
- Pressing any DTMF (except DTMF 9) can reset the communication time to 5 minutes.

6.2. Current Operation Condition

Mobile Lite uses its LED to remind the user of its Current Operation Condition.

LED indicators:

LED	Behavior	Indication
Green LED (Top LED)	On	Mobile Lite is being charged.
	1 flash every 5 seconds	Mobile Lite operating normally
Red LED (Top LED)	1 Flash every 3 seconds	Mobile Lite low on battery
Amber LED (Bottom LED)	1 Flash every 3 seconds	Cellular Network fault

When Mobile Lite is being charged, the Red LED will not indicate the battery status.

If Mobile Lite is activated while having a Cellular Network fault (Amber LED flashes once every 3 seconds), it will play voice prompt "Poor cellular connection. Please call 911."

6.3. GPS/Wi-Fi Locate Function

Mobile Lite location info can be acquired in 3 ways.

1. Activate an alarm

When an alarm is activated, Mobile Lite will also report its location info along with the alarm event. (For IP & SMS Reporting)

During two-way communication following a successful IP report, Mobile Lite location info will be updated every minute, and reported via the previously successful IP channel. (For Speech Reporting or Callback call)

2. Auto Check-In Report or LB

When the Mobile Lite makes the auto check-in report to CMS, its location info will also be updated and sent with the report.

3. Send SMS command LOC

If the SMS Command LOC is correct and successfully received, Mobile Lite will report location info to programmed report destination and the sender of the SMS command according to command selection. Refer to **8.1 SMS Remote Programming Commands Table** for more details.

- For IP reporting, the Location coordinates will be included in JSON report.
- For SMS reporting, the location info is sent as a webpage link for Google Map. Click the link to display the location.
- For Speech reporting or callback call, the location info will be updated every minute, but the location <u>cannot</u> be sent via two-way communication.

There must be one successful IP report before two-way communication for the Mobile Lite to report and update the location through.

• If Mobile Lite is under low battery and makes a second low battery report to the CMS, the location function will be turned off.

6.4. Test Mode

- Test Mode is for user to test if the Mobile Lite can make a successful report to the CMS.
- To enter Test Mode:
 - **Step 1.** Press and hold the Info button for 3 seconds. At the 3rd second Mobile Lite will emit one beep and play voice prompt "Release for testing device or continue to hold for next option. Release the button to enter Test mode.
 - Step 2. Mobile Lite R23 will play voice prompt "Entering Test Mode,

- press the Help Button to connect to the test center."
- **Step 3.** Press the Help Button once to continue with the Test. If no action is taken, Mobile Lite will come out of test mode in programmed period.

6.5. Alarm Activation

- When an alarm is activated by pressing the Active Button of Mobile Lite or the learnt-in RF device (WTR, Fall Sensor or PB), or pulling the cord of PCU, Mobile Lite will emit a voice prompt "Initiating Help" as it enters guard time (default 10 seconds).
 - If alarm is activated by fall detection, Mobile Lite will emit a voice prompt "Fall detected" as it enters guard time fall sensor (default 10 seconds).
- If there are no report destinations programmed, Mobile Lite will not report upon alarm activation and will emit 1 beep as a reminder.
- Mobile Lite will also report its location along with the alarm report (please refer to 6.3. GPS/Wi-Fi Locate Function) provided the programmed report method(s) supports location report.
- If Mobile Lite is activated while having a Cellular Network fault (Amber LED flashes once every 3 seconds), by the time guard time expires it will play voice prompt "Poor cellular connection. Please call 911." to alert user to call 911 by themselves.

Guard Time

- When the Active Button on Mobile Lite is pressed for 2 seconds, the device will play voice prompt "Initiating Help" and enter guard time.
- During guard time, the device will emit one beep every second. If a false alarm is triggered, it can be canceled during guard time by pressing and holding the Active Button for 5 seconds.
- After the Guard Time has expired, Mobile Lite will begin report, the alarm event cannot be cancelled after Guard Time has expired

Guard Time Fall Sensor

- The Guard Time for Fall Sensor's fall detection function is set separately from regular Guard Time.
- If a false alarm is triggered by Fall Detection, it can be canceled within the guard time fall sensor period by pressing the Active Button of Mobile Lite for 5 seconds or pressing the Active Button of the learnt-in RF device for a duration determined by the device (please refer to the device user manual).
- After the Guard Time Fall Sensor has expired, Mobile Lite will begin report, the alarm event cannot be cancelled after Guard Time Fall Sensor has

expired.

 This function is only used when a fall is detected, if the Active Button on Mobile Lite or the Active Button of the learnt-in Fall Sensor is pressed to activate alarm, normal guard time is used instead.

Confirmation Voice Prompt

- After guard time expires, Mobile Lite will summon help based on the programmed reporting methods. When Mobile Lite is reporting, it will first play a voice prompt "Connecting", and then repeat voice prompt "Call in progress" every 10 seconds to indicate that the call is in progress.
- When Mobile Lite is connected to CMS successfully, it will play the voice prompt "Call Connected".
- After connecting to CMS successfully and until a call recipient picks up the call and presses any DTMF, Mobile Lite will repeat the voice prompt "Please standby for an operator" every 10 seconds.

Last Location

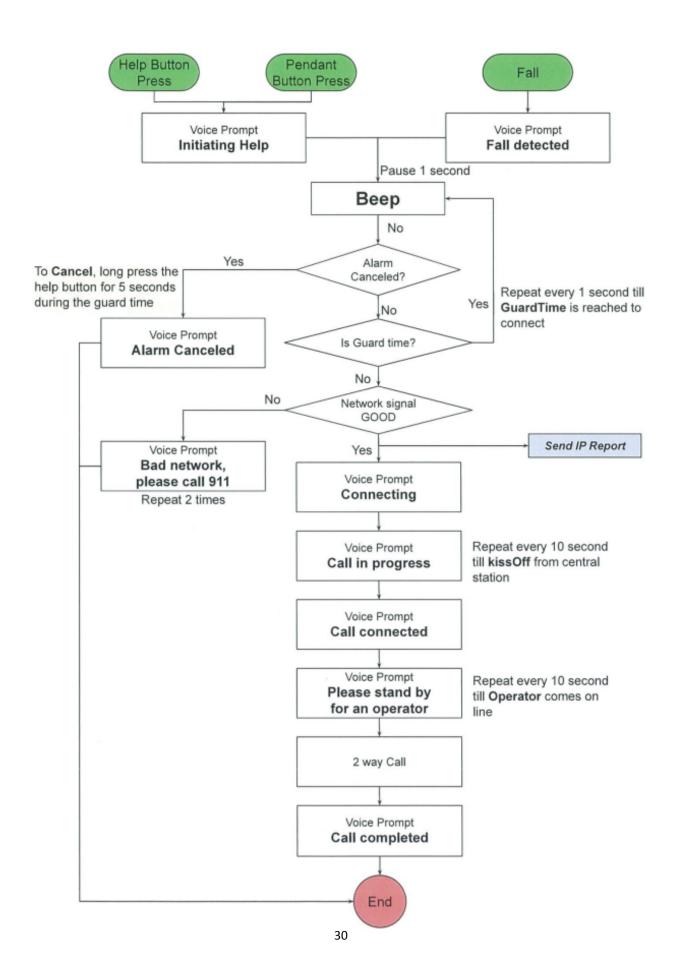
The Last Location function determines Mobile Lite reporting behavior when activated.

 Mobile Lite will regularly scan for nearby Wi-Fi hotspots, other wireless access points and store the data according to set time interval. Mobile Lite will also check GPS location regularly according to set time interval.

When Mobile Lite is activated to send alarm report, it will begin to check last position while acquiring new Location. If new location cannot be acquired by the time Guard Time ends, Mobile Lite will send report with last location. After new location is acquired, Mobile Lite will send another report to update the location info.

<NOTE>

- Mobile Lite will check Last Location by transmitting last stored Wi-Fi hotspot data to Google Wi-Fi positioning service for location identification or using last acquired GPS location if there is any. (GPS function is only turned on when no Wi-Fi hotspot data is obtained.)
- Mobile Lite will disregard Last location if it is older than 8 hours.



6.5.1. Alarm Report Procedure

Mobile Lite will regularly scan for nearby Wi-Fi hotspots, other wireless access points and store the data according set time interval. If Wi-Fi data cannot be obtained, Mobile Lite will check GPS location instead.

When Mobile Lite button is pressed and alarm is activated, it will begin to check last position while acquiring new Location and count down Guard Time.

- Mobile Lite will check Last Location by transmitting last stored Wi-Fi hotspot data to Google Wi-Fi positioning service for location identification or using last acquired GPS location. (GPS function is only turned on when no Wi-Fi hotspot data is obtained.)
- Mobile Lite will acquire new location using Wi-Fi and GPS positioning.
- ◆ If new location is acquired within guard time, the alarm report is made immediately with the new location coordinates.
- ◆ If new location is not acquired by the time Guard Time ends, Mobile Lite will send report with last location.

If there is no Last Location data stored, or it is older than 8 hours, Mobile Lite will disregard it and send report without location.

After new position is acquired, Mobile Lite will follow up with another report.

If new position is acquired, and it's in two-way communication (of either a speech report or a callback call) following a successful IP report, Mobile Lite will make report with location info via the previously successful IP channel. Mobile Lite will keep updating and reporting location info every minute before two-way communication ends.

Example:

1. If Guard Time = 30 seconds, new Location acquired within Guard Time:

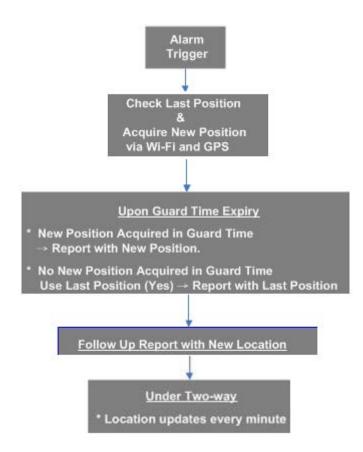
Mobile Lite makes alarm report upon Guard Time expiry along with new Location coordinates.

- 2. If Guard Time = 30 seconds, new Location is NOT acquired within Guard Time:
 - a. If Mobile Lite has Last Location, it makes alarm report along with location coordinates after Guard Time has expired.
 - b. If Mobile Lite does not have Last Location, or the Last Location is older than 8 hours, it makes alarm report without Location coordinates after Guard Time has expired.
 - c. When new position is acquired, Mobile Lite makes follow up report immediately with Location coordinates.

d. If new position is acquired under two-way communication following a successful IP report, Mobile Lite makes report via the successful IP channel with location coordinates.

During the two-way communication (of either a speech report or a callback call), Mobile Lite will keep updating location and making report every minute.

Diagram:



6.5.2. Callback Mode

• After reporting an alarm successfully to the CMS, Mobile Lite will enter callback mode by default.

<NOTE>

- Mobile Lite will enter callback mode only after all groups have been reported to and at least one report was successful.
- If the number of the incoming call matches any of the Caller ID, Mobile Lite will instantly pick up the call, emit one beep (at the caller handset) and open a two-way communication.
- The caller can call back multiple times during the callback period.
- The caller can use the following DTMF commands to control the call:

- Enter (1) for talk-only mode.
- Enter (2) for two-way voice communication.
- Enter (3) for listen-in only mode.
- Enter (9) to hang up.
- Put the handset back to the base cradle to end the call.
- Press and hold the Active Button of Mobile Lite for 5 seconds, or press Active Button of RF device (WTR, Fall Sensor or PB) once to end the call.
- Press any DTMF key except for the designated hang-up key (9) to reset the communication time to 5 minutes. When a DTMF key is pressed, its designed shortcut function will also be executed along with the communication time reset.

<NOTE>

- If you wish to enable a designed shortcut function, please press the DTMF key for at least 1 second.
- During two-way communication of a callback call, Mobile Lite location info will be updated every minute. If there was a successful IP report before the two-way communication, the location updates will be reported via the previously successful IP channel.

6.5.3. Speech Reporting Method

- If speech reporting method is selected, Mobile Lite will dial the programmed number for reporting. It will establish a two-way voice communication between the call recipient and Mobile Lite user.
- The CMS can remotely control Mobile Lite during the voice communication period using the DTMF commands below:
 - Enter (1) for talk-only mode.
 - Enter (2) for two-way voice communication.
 - Enter (3) for listen-in only mode.
 - Enter (9) to hang up.
 - Put the handset back to the base cradle to end the call.
 - Press and hold the Active Button of Mobile Lite for 5 seconds, or press the Active Button of RF device (WTR, Fall Sensor or PB) once to end the call.
 - Press any DTMF key except for the designated hang-up key (9) to reset the communication time to 5 minutes. When a DTMF key is pressed, its designed shortcut function will also be executed along with the communication time reset.

<NOTE>

- If you wish to enable a designed shortcut function, please press the DTMF key for at least 1 second.
- At 20 and 10 seconds before the communication time expires, Mobile Lite will emit 1 beep via the telephone handset to alert the user.

- If the call recipient needs more talk time, he can press any key except for (9) to reset the communication time to its preset duration.
- If no DTMF command is pressed during the speech period, the call will automatically hang up and be recorded as an unsuccessful report. Each phone number will be retried up to a maximum of 5 times accordingly.
- During two-way communication, Mobile Lite location info will be updated every minute, if there was a successful IP report before the current two-way communication, the location updates will be reported in event via the previously successful IP channel.

6.5.4. Report Sequence

The Reporting Group determines the sequence of reporting.

One Report Index can only be assigned to one Group.

Reporting within a Group:

If there are multiple Report Indexes programmed within a Group:

Mobile Lite will report according to the numeric order (e.g. 1 > 2 > 3, etc.)
of the Report Index in a Group. Report will stop when one report is
successful and Mobile Lite will regard reporting to this Group successful.

For example, if Report Index 1 and 4 are assigned to Group 1, Mobile Lite will stop reporting if reporting to Index 1 is successful. If reporting to Index 1 failed, Mobile Lite will carry on reporting to Index 4.

If all reporting in a group failed, Mobile Lite will retry reporting.
 Mobile Lite will try reporting within the same group for up to three times, (or until one of the reports is successful). If three times of trying within the same group failed, Mobile Lite will regard reporting to this Group unsuccessful.

From the example above, suppose all report failed, the report sequence would be:

Reporting Cycle

- If multiple groups are assigned to the same event type (emergency or status), Mobile Lite will report according the group numeric order from the first programmed Group to the last programmed group. This report sequence is one reporting cycle.
- Reporting cycle is regarded as successful if any Group is successful, but Mobile Lite will terminate reporting only after completing the reporting cycle (going from the first programmed group to the last programmed group).

Reporting behavior depends on the event type:

Emergency Events:

 When reporting to the first group is successful, Reporting is regarded as successful. Mobile Lite will still report to the next group until all groups have been tried to complete the reporting cycle.

For example, Groups 1 and 3 are assigned to Emergency Events:

If Group 1 is successful, Mobile Lite will still report to Group 3.

If reporting to Group 3 is successful, Mobile Lite will terminate reporting.

If reporting to Group 3 is unsuccessful (going through all the Report Indexes within the group for 3 times), Mobile Lite will also terminate reporting.

- When reporting to the first group failed (going through all the Report Indexes within the group for 3 times), Mobile Lite will start reporting to the next group. When reporting to the second group succeeds, reporting is regarded as successful. If no other group is programmed, Mobile Lite will stop reporting. If there are more groups programmed, Mobile Lite will continue reporting until all groups have been tried to complete the reporting cycle.
- If reporting to all the programmed groups failed in a reporting cycle, Mobile Lite will wait for 5 minutes. After 5 minutes, Mobile Lite will retry as it starts another reporting cycle.

For Emergency event, Mobile Lite will try reporting for up to three reporting cycles. If going through three reporting cycles and all failed, Mobile Lite will terminate reporting.

Example 1, if Groups 1 and 3 are programmed for "Emergency" reports, and assuming NO successful report until Group 1 is successful after the second try:

Group 1 > Group 3 > Wait 5 minutes > Group 1 (Success!) > Group 3 > Stops reporting whether Group 3 is successful or not.

Example 2, if Groups 1 and 3 are programmed for "Emergency" reports, and assuming there is NO successful report:

Group 1 > Group 3 > <u>Wait 5 minutes</u> > Group 1 > Group 3 > <u>Wait 5 minutes</u> > Group 1 > Group 3 > Stops reporting

Status Events:

Mobile Lite will only go through one reporting cycle for Status

reports and will not retry if report failed.

For example, if Groups 1 and 3 are programmed for "Status" reports:

Group 1 > Group 3 > Stops reporting

6.6. Sleep Mode

Mobile Lite can enter Sleep Mode to conserve power.

While under normal operation mode, press the Info Button for 9 seconds to enter Sleep Mode.

- When Mobile Lite enters Sleep Mode, all functions, including the LED indicators, will be disabled during this time. Mobile Lite will emit a voice prompt "Powering Off" as an indication of it entering Sleep Mode. Cellular module will be powered down in 30 seconds.
- The user can only program Mobile Lite for the duration using PC Programming Tool. As the Cellular module is also disabled, SMS commands will not be able to program Mobile Lite for the duration.
- Mobile Lite will only start to function when it exits Sleep Mode. To exit Sleep Mode, press the Info Button once, Mobile Lite will emit a voice prompt "Device Ready" as an indication of it exiting Sleep Mode.

6.7. Check Device Information

To check Mobile Lite R23's information, press the Info button once in normal mode. The device will beep once and play voice prompt "Release for device information or continue to hold for next option." Release the Info button, and Mobile Lite R23 will announce the device state including connectivity status and battery level.

6.8. Usage Recommendation for Fall Detection

When the fall detection function is enabled for Mobile Lite, <u>please wear the unit on the neck and let it hang in fornt of the chest, so that Fall Sensor can be effectively triggered</u>. Please **do not** wear the Mobile Lite on your belt, place it in your bag, or hide it inside coat pocket, which may lead to difficult trigger or non-detection of fall.

- Best way to wear Mobile Lite as a fall sensor (O)
 - A. Let it hang in front of the chest and adjust necklace length so that the sensor hangs at the bottom of the sternum as shown in the picture below.
 - B. Wear the pendant exposed outside and in front of any clothes or heavy/feather jacket.



- C. When a fall occurs, it is best if Mobile Lite can touch the ground.
- Wrong way to wear Mobile Lite (X)
 - A. Necklace being too short (around clavicle) or too long (below sternum) is likely to cause false trigger or no response.
 - B. Mobile Lite being worn inside a chest pocket or placed in a bag will lead to non-detected condition.
- Carefully place the Mobile Lite on a desk when you are not using it in order to avoid triggering a false alarm.
- If Mobile Lite remains stationary for more than 3 hours, it will enter Sleep Mode. If movement is detected during sleep mode, Mobile Lite will start a 1-minute countdown to return to normal operation mode. Fall detection function is disabled during the 1-minute timer, and the user is allowed to put on the Mobile Lite again after removing it without activating false alarm. When the 1-minute timer expires, Mobile Lite will return to normal operation.
- Due to the nature of fall detection mechanism, fall detection cannot be 100% accurate. False alarm or detection failure during daily use could not be avoided completely. Please utilize the Active Button to activate alarm manually when needed to ensure safety.

6.9. Voice Prompts

Mobile Lite will play voice prompts according to different conditions.

Below is a quick reference chart of all the voice prompts of Mobile Lite and the conditions under which they are played.

No	Voice Prompt	Condition
1	Initiating Help	Plays when the Active Button (Help Button) is pressed to trigger emergency alarm
2	Fall Detected	Plays when alarm is activated by fall detection
3	Connecting	Plays when Mobile Lite begins Alarm reporting after guard time expires
4	Call in progress	Plays once every 10 seconds during repoorting until KissOff from Center Monitoring Station (CMS)
5	Call connected	Plays once when connecting to CMS successfully
6	Please standby for an operator	Plays once every 10 seconds after connecting to CMS and until an operator picks up the call
7	Call completed	Plays once after 2-way call ends
8	Call canceled	Plays once when pressing the Active Button of Mobile Lite for 5 seconds during guard time
9	Poor cellular connection. Please call 911	Plays twice if the cellular signal is bad and the system cannot connect to CMS. The user need to dial 911 by himself.
10	Release for device information or continue to hold for next option	Plays along with a beep when the Info button is first pressed
11	Release for testing device or continue to hold for next option	Plays along with a beep when the Info button is pressed and held for 3 seconds
12	Release for device pairing or continue to hold for next option	Plays along with a beep when the Info button is pressed and held for 6 seconds

No	Voice Prompt	Condition
13	Release to power off deivce	Plays along with a beep when the Info button is pressed and held for 9 seconds
14	Entering Test Mode, press the Help Button to connect to the test center	Plays after the Info Button is pressed and held for 3 seconds and then released to enter the Test Mode.
15	Entering Pairing Mode, press the button on the peripheral to connect to the device	Plays after the Info Button is pressed and held for 6 seconds and then released to enter Pairing Mode.
16	Pairing completed	Plays when Mobile Lite receives the signal from the pendant to indicate it has learned in the pendant.
17	Powering off	Plays after the Info Button is pressed and held for 9 seconds and then released to power off the device
18	Charging	Plays when the device is charging
19	Cellular signal good	Plays when pressing the Info Button once shortly and released, and there are 2,3 or 4 signal bars
20	Cellular signal good, battery level low, charge your device	Plays when pressing the Info Button once shortly and released, and there are 2,3 or 4 signal bars but the battery level is below 20%
21	Cellular signal good, battery level very low, charge your device immediately	Plays when pressing the Info Button once shortly and released, and there are 2,3 or 4 signal bars but the battery level is below 10%
22	Cellular signal poor	Plays when pressing the Info Button once shortly and released, and there is 1 signal bar or less
23	Cellular signal poor, battery level low, charge your device	Plays when pressing the Info Button once shortly and released, and there is 1 signal bar or less and the battery level is below 20%

No	Voice Prompt	Condition
24	Cellular signal poor, battery level very low, charge your device immediately	Plays when pressing the Info Button once shortly and released, and there is 1 signal bar or less and the battery level is below 10%
25	Device ready	Plays once when the device succeefully starts 4G/LTE connection after power on
26	Device Error	Plays when pressing the Info Button once shortly and released, and there device error
27	Message E129	Plays when pressing the Info Button once shortly and released, and there is device error, such as device out of order/tamper open/low battery.
28	Message E130	Plays when pressing the Info Button once shortly and released, and there is cellular network fault.

7. Appendix

7.1. SMS Remote Programming Commands Table

Item	Command	Example & Usage	Default
Cellular Module Reset	RSTG	RSTG:PROG,1111 To reset Cellular Module	
GPRS APN, username & password	APN	APN:PROG,1111,internet,, To set GPRS APN, username and password (31 characters max. for APN, 31 characters max. for username, 31 characters max. for password)	APN: Internet Username and password: empty
Report settings	RPT	RPT:PROG,1111,1,0933111222,1,0,0,1 To configure report settings (index number, report destination, group, type, miscellaneous and event filter) Report Index: 1-5 Report destination: Depending on the reporting format Group: 1-5 Type: 0 = Speech, 11 = CID_SIA_IP, 13 = SIA_CID_UDP, 17 = JSON, 18 = AG_XML, 20= CID_SIA2_IP, 22= CID_SIA2_UDP, 30 = SMS_CID, 31 = SMS_TEXT Miscellaneous: Enter 0 for this parameter Event filter: 255 = all, 1 = status, 4 = emergency	No report destination
Keyword setting	KEYWD	KEYWD:PROG,1111,IPOG To set the keyword 15 characters max. for the keyword	PROG
Access Code	ACCES	ACCES:PROG,1111,1,1234 To set the Access Code (index number, code) 8 digits max. for the Access Code	1111 for user 1
Guard time settings (normal and fall sensor)	GUDT	GUDT:PROG,1111,10,15 To set the length of guard time periods (normal: seconds, fall sensor: seconds) Normal: 5 = 5 secs, 10 = 10 secs, 15 = 15 secs, 20 = 20 secs, 25 = 25 secs, 30 = 30 secs Fall sensor: 5 = 5 secs, 10 = 10 secs, 15 = 15 secs, 20 = 20 secs, 25 = 25 secs, 30 = 30 secs	10
Factory reset	FTSET	FTSET:PROG,1111 To execute a factory reset	
To reboot Mobile Lite	RESET	RESET:PROG,1111 To restart Mobile Lite	
To check whether Mobile Lite is operational	ECHO	ECHO:PROG,1111	
To obtain Cellular signal strength	CSQ	CSQ:PROG,1111	

Item	Command	Example & Usage	Default
Adjust	SPKVL	SPKVL:PROG,1111,3	4
Speaker		Adjusts speaker volume of Mobile Lite	
Volume		Parameter: 1-5 speaker volume	
		1 = minimum	
		5 = maximum	
Set Caller ID	CALID	CALID:PROG,1111,1,0227942014	
		Parameter 1: Select Caller ID: 1 = ID #1, 2 = ID #2	
		Parameter 2: Caller ID number: Enter a number up to 15 digit long	
Remote	FWUG	FWUG:PROG,1111,59.124.230.221,53033,/img/123.bin,042d	
Firmware		Upgrade Mobile Lite firmware by downloading firmware file from	
Upgrade		server remotely.	
		Parameter 1: Server IP Address (Max 44 characters)	
		Parameter 2: Server Port Number	
		Parameter 3: File path(max 31 characters)	
		Parameter 4: crc16 check sum	
Remove RF	DEVRM	DEVRM:PROG,1111,1	
Device		Remove RF Device in Mobile Lite	
		Parameter 1: Zone number to be removed (1~5)	
Add RF	DEVAD	DEVAD: PROG,1111,1234567890	
Device		Add RF Device into Mobile Lite using device RF code	
		Parameter 1: Device RF Code (Max 10 digits)	
То		FALDE:PROG,1111,1	
enable/disab		Enable/disable Fall Detection function of Mobile Lite.	
le Fall	FALDE	Disable = 0, Enable = 1	
Detection			
function			
To set Fall		FSST:PROG,1111,1	
sensor 3	FSST	To set Fall sensor 3 sensitivity.	
		Sensitivity: 1-5	
30		(5 is the highest sensitivity, while 1 is the lowest sensitivity)	

Federal Communication Commission Interference Statement

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 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.

FCC Caution: To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example - use only shielded interface cables when connecting to computer or peripheral devices).

FCC Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. The exposure standard for wireless devices employing a unit of measurement is known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/kg.

The FCC has granted an Equipment Authorization for this device with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this device is on file with the FCC and can be found under the Display Grant section of www.fcc.gov/oet/ea/fccid after searching on FCC ID: GX9MOBLIR23

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

SAR testing for body-worn operations has been tested with 1.5 cm separation.

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.