SMARTLINQ **Contents**

SMARTLINQ **Precautions and Notices for Safety**

Please ensure that you use your handset correctly after reading the safety instructions.

Precautions
- Turn your phone off in a potentially explosive atmosphere.

- Turn your phone off during a flight.

- Do not use your phone while driving.

- Turn your phone off in a hospital.

- Be aware of the details on electromagnetic waves of your phone.
- Do not touch your phone or its power plug with a wet hand.

- Do not remodel, disassemble, or repair your phone on your own.

- Use only approved batteries and accessories

- Use the standard charger acquired with a TTA certified mark.

- Do not keep your phone in or near a source of heating, like a stove or microwave oven.

SMARTLINQ **Declaration of Conformity to R&TTE Directive**

1999/5/EC
This equipment fulfils the R&TTE directive
(Council Directive 1999/5/EC).

European States qualified under wireless
approvals:

EU
Austria, Belgium, Denmark, Finland, France,
Germany, Greece, Ireland, Italy, Luxembourg,
The Netherlands, Portugal, Spain, Sweden, and
the United Kingdom

SMARTLINQ

The Safelinq service

The SmartLinQ Mobile has been exclusively developed by Safelinq. For the full details of the functionality of your SmartLinQ Mobile go to www.safelinq.com. It should be noted that the SmartLinQ Mobile will only operate in combination with a Safelinq subscription.

SMARTLINQ 1. Introduction

The SmartLinQ Mobile is a powerful GPS location device which is small in size and lightweight. It is designed for personal security and has an inbuilt emergency call button as well as a motion sensor. Both these features ensure direct contact to your chosen control centre or emergency number should you encounter a difficult or threatening situation. As your location will be known, the control centre or emergency contact can deal with the situation efficiently and effectively.

The SmartLinQ Mobile is designed to work on any mobile GSM network using 850, 900, 1800 or 1900 frequency (Quad Band).

The SmartLinQ Mobile offers controlled dialling allowing you to call four pre-programmed telephone numbers.

When you slide the emergency button up, your current position will automatically be sent to the control centre and the four pre-programmed numbers will simultaneously be dialled in sequence.

- GPS (Global positioning system) Receiver

- Emergency button

- Motion sensor alert

- Low battery alert

- Speed sensor alert

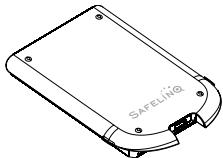- Four pre-programmable buttons

- Auto answer

SMARTLINQ 3. Components

1 SmartLinQ Mobile
2 Battery Pack
3 Handsfree headset
4 AC-power adapter
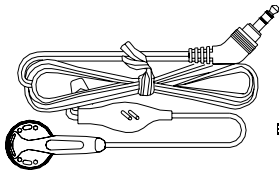5 This Manual

Use an approved Safelinq charger and battery.
Do not use non genuine parts as it could damage
the battery or cause an explosion.

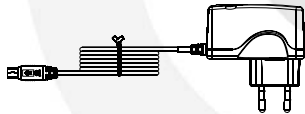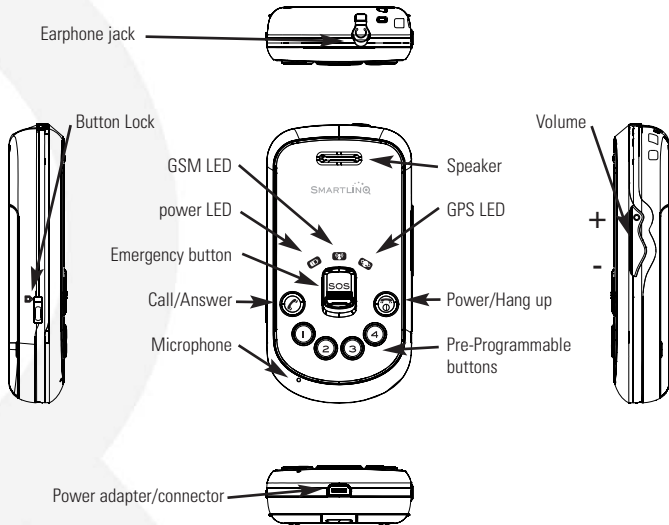1   2   3   4

Earphone jack

Button Lock

Volume

GSM LED

Speaker

power LED

GPS LED

Emergency button

Call/Answer

Power/Hang up

Microphone

Pre-Programmable buttons

+

-

SOS

Power adapter/connector
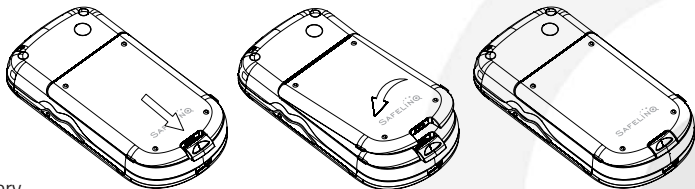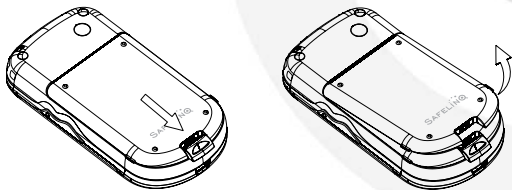
SMARTLINQ **5. Battery Assembly/Disassembly**

5.1 BATTERY ASSEMBLY

1 Fit the battery pack correctly into the groove

2 Slide it all the way as indicated by the arrow, and lock the battery button into place.

5.2 BATTERY DISASSEMBLY
Release the battery disassembly button in the direction indicated by the arrow and remove the battery.

12

1 Gently move the SIM card holder to the right and open it. Insert the SIM card as shown ensuring the gold contact area of the SIM card is facing downwards. Close the SIM card holder and move it to the left to lock.
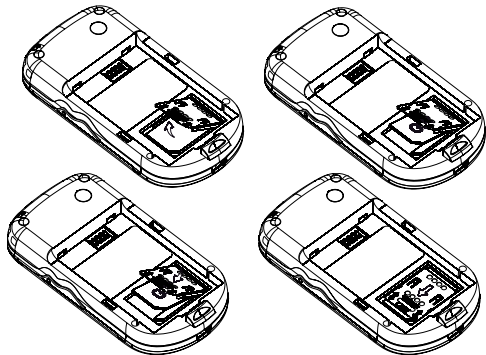
2 Slide the battery back in at the top of the SmartLinQ Mobile and push it down to lock it into position.
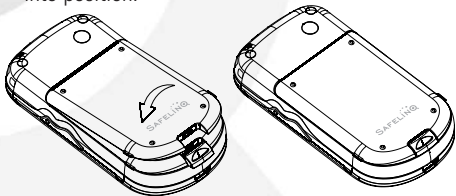
7.1 BUTTON OVERVIEW
The phone panel consists of nine buttons.

- **Power/Hang up Button**

- **Call/Answer Button**

- **Emergency Button**

- **Four pre-programmable Buttons**

- **Volume Button**

- **Lock Button**

7.2 BUTTON DESCRIPTION
Power/Hang up

- To turn on.
  Press for 3 seconds until you hear the power-on melody.

- To Turn off.
  Press for 3 seconds until all LED's are off.

- To refuse an incoming call.
  Press while ringing.

- To end a call.
  Press while in a call.

Call/Answer

- To make a call.
  Press this button after pressing one of the pre-programmable buttons and hearing a beep.

- To answer an incoming call.
  Press while ringing.

Emergency

When you slide the emergency button up, your current position will automatically be sent to the control centre and the four pre-programmed numbers will simultaneously be dialled in sequence.

Pre-programmable buttons

To call the number programmed behind one of the
four pre-programmable buttons, press this button
wait for a beep and then press the Call/Answer
button.
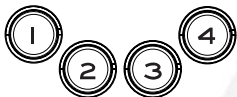
Volume

• To increase the volume of a call.
  Press the upper part of the volume button.

• To decrease the volume of a call.
  Press the lower part of the volume button.
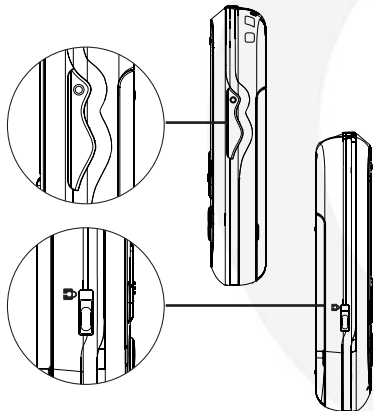
Lock

Slide the button up to lock all the buttons except
the emergency button.

16

GSM LED 📶

- If the SmartLinQ Mobile cannot establish a GSM connection, the LED will flash quickly.

- If the SmartLinQ Mobile is connected to the GSM network, the LED will flash slowly.

GPS LED 👓

While the SmartLinQ Mobile is searching for a GPS connection, the GPS LED will flash quickly. When a connection is established, the LED will light up for 3 seconds before switching off.
If a GPS connection cannot be found, the light will switch off straight after the flashing has stopped.

Power LED 🔋

The Power LED will blink while the battery is being charged. Once charged, the Power LED will light up continuously.
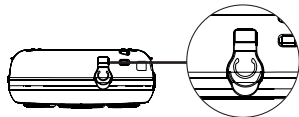
Headset connector
Headset connection point.
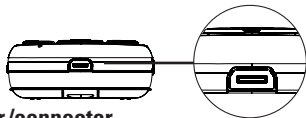
Power adapter/connector
Connection point for the AC power adapter for charging the battery.

SMARTLINQ **9. Operating your SmartLinQ Mobile**

9.1 SWITCHING YOUR SMARTLINQ MOBILE ON/OFF
- To turn on: Press the Power/Hang up button at least for 3 seconds, it will turn on. The GSM LED will flash quickly until the SmartLinQ Mobile registers to the GSM network. After successful registration the GSM LED will flash slowly. It will then continue to flash but at a slower pace.

- To turn off: Press the Power/Hang up button at least for 3 seconds to switch the SmartLinQ Mobile off.

9.2 CALL/ANSWER
- Press the Call/Answer button to answer an incoming call.

9.3 ADJUST THE VOLUME

- Whilst on a call, press the upper part of the Volume button to increase the volume, and press the lower part of the volume button to decrease the volume.

9.4 MAKE A PHONE CALL

- You can store four pre-programmed numbers in your SmartLinQ Mobile.

- When you want to call one of the numbers, first press the relevant short dial button, wait for the beep and then press the Call/Answer button

- Press the Power/Hang up button to end the call.

9.5 EMERGENCY

The SmartLinQ Mobile support an emergency function. You can make an emergency call in the following way:

1 If you slide up Emergency button, the phone will sequentially dial the four pre-programmed numbers. If no one answers the call will be diverted to your chosen control centre.

2 When the emergency button is activated an automated alert message with the position information will be sent to the control centre.
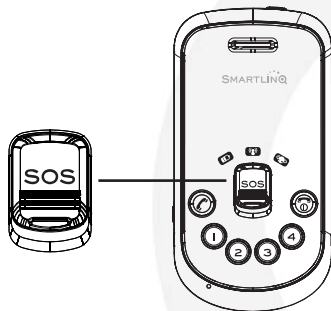
9.6 AUTO ANSWER

The Auto Answer function is used when a user is in an emergency and unable to receive a call by pressing the Call/Answer button.

- The following two conditions are to be satisfied for Auto Answer to be operational:
  1. Auto Answer function is activated on the Safelinq service.

  2. When an incoming number corresponds to a number stored in pre-programmed button 1 or 2.
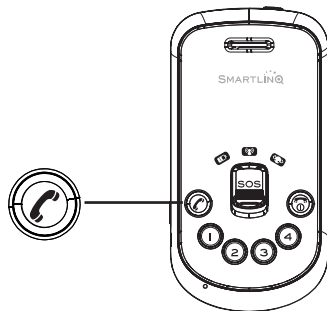
- If Auto Answer is operated, the microphone volume is set up to a maximum level and the speaker volume at the medium level.

Earphone jack

Button Lock

GSM LED

power LED

Emergency button

Call/Answer

Microphone

Speaker

GPS LED

Power/Hang up

Pre-Programmable buttons

Volume

+

-

Power adapter/connector
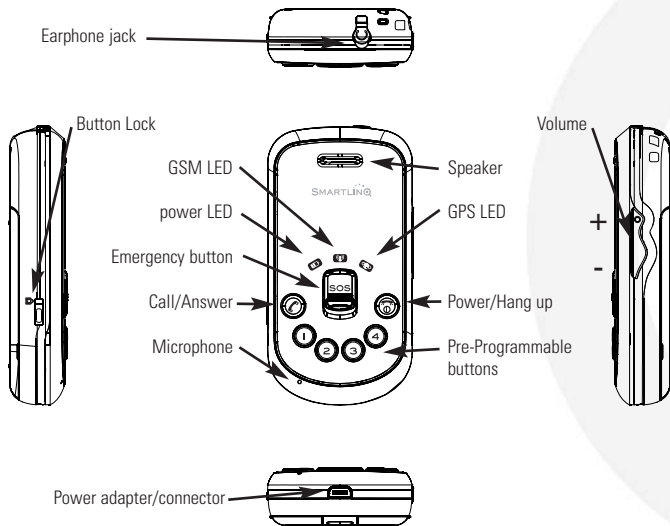
General

Dimension (mm – H/W/D)	86 x 46 x 16.8 mm
Weight (g)	72g

Hardware

GPS Baseband	SIRF GSC3F
Band	Quad band GSM 850/900/1800/1900
Receiver	20 x 11 mm
Speaker	20 x 11 mm
Screen	No
Indicator light x 3	Charge light
	GSM status indicator light
	GPS status indicator light
Keyboard backlight	LED - Navy blue
Vibrate Mode	To activate or de-activate, press the 'volume down' button.
GSM Antenna	Internal antenna
GPS Antenna	Internal antenna
Memory	32M bits FLASH + 16M bits RAM

System Interface	Proprietary
Earphone Interface	2.5 mm jack
RF Test Interface	For use by mobile network operators for RF network testing.
Temperature	Normal working conditions: -10 to 55°C
	Limited working conditions: 55 to 65°C

Software

Ring tone	16 polyphonric MIDI for incoming calls
Voice Codec	FR,EFR,HR,AMR
Two path audio	Earphone and Receiver
GPS	• SiRF Star III chipset
	• Receive 20 channels, L1 1575.42 MHz,C/A code 1.023 Mhz chip rate
	• DGPS accuracy 1 to 5m,typical 0.05m/s
	• Acquisition rate (TTFF defined at 95% of first position local station)
	Standard GPS mode:
	- Hot start <1 second, average in open sky
	- Warm start <38 seconds, average in open sky
	- Cold start <42 seconds, average in open sky

OTA	Over the air command settings from the Safelinq server using the Safelinq proprietary protocol.
Motion Sensor	When activated, sends alert information when the sensor detects certain changes in the movement of the device.
Speed Sensor	When activated, sends alert information when the speed threshold is met.

In the Box:
Handset, Battery, Travel Charger, Handsfree Headset, Quick Start Guide, User Guide

Available Accessories:
900 mAh Battery, Travel Charger, Car Charger, Desktop Charger, Handsfree Headset, Case, Belt Clip

TROUBLESHOOTING

Problem

After the SmartLinQ Mobile is turned on, the GSM LED continually flashes rapidly

Reason

The SIM card is not inserted.

The SIM card has been inserted but is protected by a PIN code.

Where the signal is too weak, the SmartLinQ Mobile can't register to the network.

Solution

Insert the SIM card into the SmartLinQ Mobile.

Take out the SIM card and insert it into your mobile phone. Using your mobile phone, disable the PIN code then re-insert it in the SmartLinQ Mobile.

Please move the SmartLinQ Mobile to a place where the signal is stronger.

Problem

The location of the SmartLinQ Mobile cannot be found.

Reason

The SmartLinQ Mobile is outside satellite coverage.

Solution

Move the SmartLinQ Mobile to a place where it has satellite coverage, e.g. outdoors and away from tall buildings.

Problem

The SmartLinQ Mobile cannot be switched on.

Reason

The battery is not charged.

The Power/Hang Up button was not pressed long enough.

Solution

Make sure the charger is connected correctly at both the mains and the SmartLinQ Mobile.

Make sure the battery is fitted correctly.
Press the Power/Hang Up button for at least 3 seconds in order for the SmartLinQ Mobile to switch on.

Please do not remove the battery when the SmartLinQ Mobile is charging.

If you are unable to switch the SmartLinQ Mobile off, please remove the battery for 3 seconds and then replace back on the SmartLinQ Mobile. The SmartLinQ Mobile will now be switched off.

To avoid damage to your ear from the ring tone, when the SmartLinQ Mobile rings, first press the answer button and then move the SmartLinQ Mobile to your ear.

- *Do not allow the SmartLinQ Mobile to overheat.*
- *Do not keep your SmartLinQ Mobile in a humid place.*
- *Do not expose the SmartLinQ Mobile to direct sunlight.*
- *Switch off the SmartLinQ Mobile when in aircraft.*
- *Switch off the SmartLinQ Mobile if near medical equipment.*

Compliance with FCC Regulations

FCC Section 15.105 (b)
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 doescause harmful interference to radio or television reception, which can be determined by turningthe equipment off and on, the user is encouraged to try to correct the interference by one ormore 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 Section 15.21 Information to the user
Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Section 15.19 Labelling requirements
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 causeundesired operation.

SAR INFORMATION
The SAR limit of USA (FCC) is 1.6 W/kg averaged over one gram of tissue.
Device types GT100 (FCC ID: **XMR-16182010002**) has also been tested against this SAR limit.
The highest SAR value reported under this standard during product certification
for use at the ear is 0.773 W/kg and when properly worn on the body is 0.856
W/kg. This device was tested for typical body-worn operations with the back of
the handset kept 1.5cm from the body. To maintain compliance with FCC RF
exposure requirements, use accessories that maintain a 1.5cm separation
distance between the user's body and the back of the handset. The use of belt
clips, holsters and similar accessories should not contain metallic components in
its assembly. The use of accessories that do not satisfy these requirements may
not comply with FCC RF exposure requirements, and should be avoided.