

DISTRIBUTION: INTERNAL + INTERLINK-U CUSTOMERS

Reference Manual

Interlink-U ID

Document Version: Version 1.0

Last Updated: 09/12/2020

Document Revision History

Version	Date	Author	Description
0.1	13/08/2020	Zak Inshya	Initial Document creation
Draft version 1.0	25/10/2020	Zak Inshya	Draft version 1 finalised.
Draft Version 1.1	04/11/2020	Zak Inshya	Contents fixed, Updated Tech Specification & Glossary
Draft Version 1.2	23/11/2020	Zak Inshya	Feature names updated & images added
Version 1.0	09/12/2020	Zak Inshya	Updates to Features & Images other smaller updates

Contributors

Abbreviation	Name	Position
ZI	Zak Inshya	Product Manager
JL	Jon Lancaster	Graphic Designer

Document Information

Title	Interlink-U ID Reference Manual
Project	Project Brama
Product Name	Brama L
Model	ID
By (owner)	Zak Inshya
Requested By	Kamlesh Makwana
Distribution	Internal + Interlink-U Customers (inc Channel)
Document ID	Interlink-U ID Reference Manual
Date Created	13/08/2020
Input Documents	N/A

Table of Contents

Reference Manual	1
1. Introduction – About the Interlink-U ID.....	6
2. Interlink-U ID Device Layout and Key Functions	7
2.1 Interlink-U ID Layout.....	7
2.2 Key Functions	7
2.2.1 Device Check	7
2.2.2 Check-In	8
2.2.3 Red Alert.....	8
2.2.4 Incapacitation Alert	8
2.2.5 Location Services	8
3. Initial Set Up and Care and Maintenance	9
3.1 Initial Set Up.....	9
3.1.1 What is included.....	9
3.1.2 Attaching a Lanyard or Belt Clip	10
3.1.3 Initial Charge of your Interlink-U ID.....	12
3.1.4 Inserting and removing your ID card	13
3.2 Care and Maintenance.....	14
3.2.1 Cleaning.....	15
3.2.2 Ingress Protection	15
3.2.3 Impact Damage	15
4. How to Use your Interlink-U ID	16
4.1 Functionality	16
4.1.1 Charging & Powering your Device	16
Powering your Interlink-U ID on and off.....	17
4.1.2 Alerts	19
Check-In	19
Red Alert.....	21
Incapacitation Alert	22
Closing your Red Alert or Incapacitation Alert	24
Monitoring Timer	24
4.1.3 Location	26
GNSS (Global Navigation Satellite System)	26
Wifi/Cell Towers.....	26
4.1.4 Settings.....	27
Volume	27
Language	27
Wifi Connectivity * Post-Launch Feature.....	28
System Update	30
Brightness.....	31
Privacy Mode	32
RIP Detection	32
Device Status.....	33
4.2 Interlink-U ID Key Indicators	35
4.2.1 Icons	35
4.2.2 Vibration Patterns	36

5. Interlink-U ID Technical Specification.....	37
5.1 Technical Specification Table.....	37
5.2 FCC Statement	39
5.2.1 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.Risks Associated with Pacemakers.....	39
5.2.2 Risks Associated with Pregnancy.....	40
5.2.3 Use of Interlink-U ID in Restricted Areas	40
5.3 Disposal and Recycling Information	41
6. Interlink-U ID Warranty.....	42
7. Glossary of Terms.....	43

Table of Figures

Figure 1: Main Functions	7
Figure 2: Attaching the lanyard	10
Figure 3: Interlink-U ID shown in Portrait and Landscape mode(s)	11
Figure 4: Connecting the Belt Clip	12
Figure 5: Inserting and removing an ID card	14
Figure 6: Interlink-U ID charger port.....	16
Figure 7: Battery charging level icons	16
Figure 8: Checking whether device is on or off	17
Figure 9: Power your device on.....	18
Figure 10: Power off your device.....	19
Figure 11: Check-In	20
Figure 12: Red Alert via button press	21
Figure 13: Red Alert via device interface	22
Figure 14: Red Alert via Rip Pin	22
Figure 15: Incapacitation Timer activation	24
Figure 16: Monitoring Timer activation	26
Figure 17: Altering device volume	27
Figure 18: Altering language Settings	28
Figure 19: Connecting to a configured Wi-Fi Access Point.....	29
Figure 20: Connecting to a Wi-Fi Access Point using WPS	30
Figure 21: Completing a Software update on the device.....	31
Figure 22: Adjusting screen brightness.....	32
Figure 23: Adjusting Privacy mode	32

Figure 24: Deactivating the RIP detection feature33
Figure 25: Checking the device status.....34

1. Introduction – About the Interlink-U ID

Interlink-U ID is specifically designed as an identity card holder which is easy to use and discreet to wear. Containing future proof data technologies (GSM/4G LTE), the device enables a 24/7 link to a dedicated, state of the art Alarm Receiving Centre (ARC) (or Monitoring Center) in the event a device user requires assistance.

1.1 About this Guide

At the push of a button, a trained ARC/Monitoring Center Operator is listening to a potentially abusive or violent situation on your behalf and recording for future use if necessary (as potentially admissible evidence in court proceedings etc). The event handler will then escalate the situation in line with what is an appropriate response - including alerting the Emergency Services through the appropriate channels.

This reference manual provides all the information you need to set up, operate and take care of your **Interlink-U ID**.

This document details:

Interlink-U ID device Layout and key functions

Initial Set Up, Care & Maintenance

How to Use the Interlink-U ID

Technical Specifications

Warranty

2. Interlink-U ID Device Layout and Key Functions

2.1 Interlink-U ID Layout

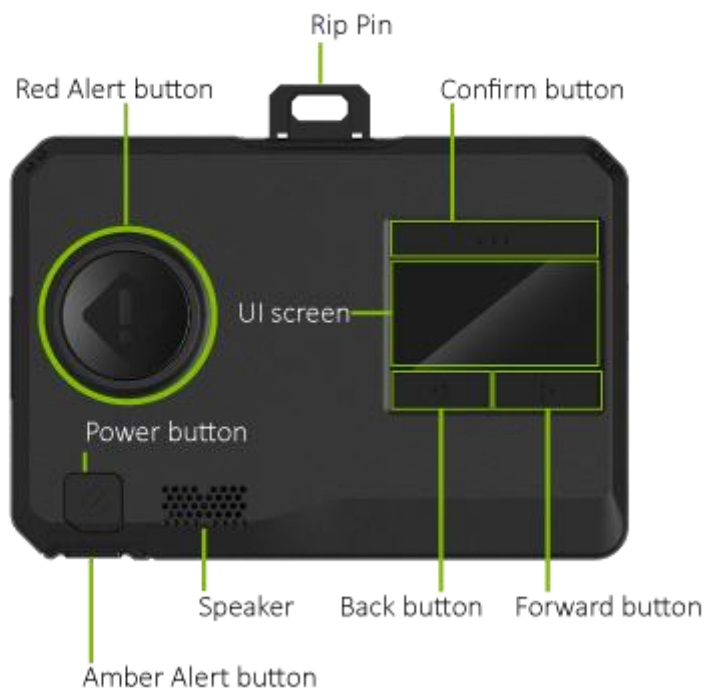


Figure 1: Main Functions

2.2 Key Functions

2.2.1 Device Check

The Interlink-U ID comes equipped with a Device Check feature. This function allows your device to transmit certain pieces of device information (securely) to our ARC/Monitoring Center at configured intervals. The information captured as part of a Device Check can include:

- Device location
- Temperature
- Battery level
- Cellular signal

This information is only accessed in the event of a genuine Red Alert being raised, to help locate a device user.

2.2.2 Check-In

This function allows you to leave a brief voice message before you begin each visit, or each time you move location by detailing where you are and for how long. Your present location is also communicated to the ARC/Monitoring Centre as part of this function.

2.2.3 Red Alert

This function allows device users to discreetly raise an Alarm to a dedicated Alarm Receiving Centre/Monitoring Center whenever they feel vulnerable or threatened. This will be an audio call activated by the device, to a Interlink-U ARC.

2.2.4 Incapacitation Alert

This function can automatically initiate an alarm if your Interlink-U ID detects you have become incapacitated.

The Incapacitation Alert is not active by default. An ID user determines when, (and for how long) incapacitation detection should be enabled. Once the specified time elapses, incapacitation detection is inactive once more.

2.2.5 Location Services

The Interlink-U ID comes equipped with multiple location technologies. The devices uses GNSS as the primary location method, which is more reliable than solely using GPS, as it utilises multiple satellite systems to locate a device user.

If a GNSS location is not available, your Interlink-U ID will utilise local Wireless Access Point, and Cell Tower data to triangulate your location. The combination of technologies means that a device user can be located reliably (both indoors and outdoors, subject to coverage) when a Check-In or Red Alert are activated.

3. Initial Set Up and Care and Maintenance

3.1 Initial Set Up

3.1.1 What is included

The box containing your Interlink-U ID includes the following items:



Interlink-U ID device



Power adapter (incl localised adapter)



Rip-Pin attachment



Lanyard



Belt clip

Figure 2: Supplied Accessories

3.1.2 Attaching a Lanyard or Belt Clip

The Interlink-U ID can be worn on a lanyard by attaching to the Rip Pin(supplied) in the device. The Rip Pin location will facilitate wear in either in Portrait or Landscape orientations. As a device user you can alter the device orientation yourself.

Attaching the Lanyard or Lapel Clip attachment:



Start by inserting the Rip Pin into the **Interlink-U ID** (as shown). This is done by inserting the rip-pin into the dedicated slot on the device. Its best to locate one side of the clip first into the device and then press down to click in the other side



Then, simply clip the lanyard attachment or lapel clip into the Rip Pin.

Figure 2: Attaching the lanyard

Interlink-U ID in portrait orientation:

Interlink-U ID in landscape orientation:

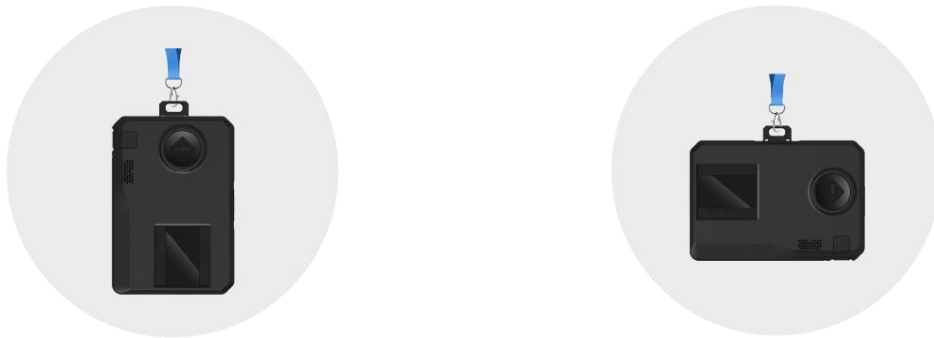


Figure 3: Interlink-U ID shown in Portrait and Landscape mode(s)

Alongside the lanyard, the device also comes supplied with a Belt clip which allows you to attach the Interlink-U ID to your belt.

Inserting the Interlink-U ID into a supplied Belt Clip:



First you must remove the device's Rip Pin as per the instructions on page **34** of this manual.



Once the Rip Pin has been safely removed, you should turn the device 180° as shown



The device should then be inserted into the belt clip.



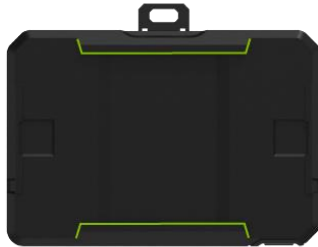
Your device has now been fully inserted into the belt clip and can be comfortably and securely worn on your belt/trousers.

Figure 4: Connecting the Belt Clip

3.1.3 Initial Charge of your Interlink-U ID

Your **Interlink-U ID** must be fully charged before you attempt to use it, this conditions the battery fully. We recommend leaving the device on charge for a minimum of 2 hours the first time you charge it, and that it is only charged using the Interlink-U supplied charger.

3.1.4 Inserting and removing your ID card



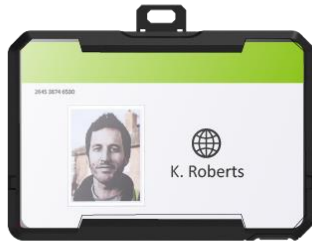
The front face of ID device has two raised ridges to hold an ID card. These ridges run horizontally when the device is in landscape orientation.



Slide the ID card in as shown.



ID card successfully inserted.



You can now apply the Protective cover (supplied) which provides protection for your ID card.*



To remove the ID card, firstly remove the Protective Cover (if used), push your thumb onto the centre of the ID card.



.. and simply slide out again as shown.

Figure 5: Inserting and removing an ID card

** Interlink-U ID can be used without the protective cover, this does not affect usability, IP rating, or card fit.*

3.2 Care and Maintenance

Interlink-U ID is purposely designed so that you do not need to perform any routine maintenance. However, you should note the following points about cleaning and general care.

3.2.1 Cleaning

If required, use a damp cloth to remove any dirt from your **Interlink-U ID**. Do not use any alcohol or chemical cleaning agents of any type.

3.2.2 Ingress Protection

Interlink-U ID has an IP67 rating for ingress protection, this means that it will remain protected and fully operational in most industrial applications, including those where the device is exposed to water spray, rain, debris, etc.

The "6" indicates that the **ID** is completely protected against solid objects entering (including dust), while the "7" indicates that the device can be completely submerged in 1 meter of water for up to 30 minutes before the moisture penetrates the housing.

3.2.3 Impact Damage

Interlink-U ID is made from a tough ABS plastic. It is designed to resist a certain amount of damage typical with general use, but the device will not withstand heavy impacts.

The LCD screen is manufactured from toughened glass but should not be exposed to high force pressure and heavy impacts.

4. How to Use your Interlink-U ID

4.1 Functionality

4.1.1 Charging & Powering your Device

You should ensure that your **Interlink-U ID** is fully charged before use.

We recommend leaving the device on charge for a minimum of 2 hours per day or at the end of each shift using the **Interlink-U supplied charger only**. The Alert functions of your Interlink-U ID can still be used while the device is on charge. Once removed from charge it will power down until you are ready to begin using it.



Interlink-U ID is charged via a USB-Type C connection.

Figure 6: Interlink-U ID charger port

When your **Interlink-U ID** is connected to the charger, the Battery Symbol (situated top left in the user interface) on the display will reflect this. As the battery charges, the battery symbol shows more cells.

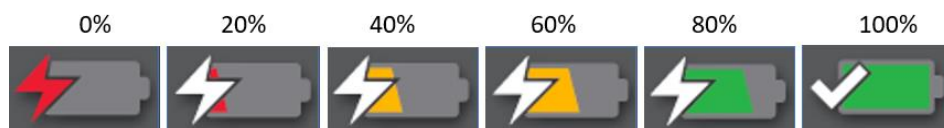


Figure 7: Battery charging level icons

When you place your device onto charge, or remove it, the screen will “wake up” to indicate the change. If you put the device on charge while it is powered off, it will display a charging screen, which will time out. A quick press of the power button will display the charging level once again.

To ensure the ID reaches 100% charge within 2 hours you must ensure you are using the supplied Adapter which are specially designed to ensure compatibility with your device.

Powering your Interlink-U ID on and off

Checking if ID is already turned on:



First check if your **Interlink-U ID** is on; this is done by completing a single, quick button press to either of the device's physical buttons.



If the device is turned on, this action will serve to wake the device and the screen will become lit.



If you perform a short press of the power button, the display will return to its previous state and the device will remain on.

Figure 8: Checking whether device is on or off

If you perform the above, and the device does not wake, assume the device is turned off.

Powering on the Interlink-U ID:

Please press the power button on the reverse of the unit to power on the ID.

You will feel a single vibration.



The screen on the rear of your device will show the Interlink-U ID boot-screen as the device begins to initialise.



Once completed, the home screen will be displayed. Typically, this sequence should take no longer than 60 seconds.

Figure 9: Power your device on

When your **Interlink-U ID** has initialised, it registers with the cellular network and is ready to communicate to the Alarm Receiving Centre/Monitoring Center.

Power Off Interlink-U ID:



Please press and hold the power button as shown (for 2 seconds) to power off the device.




You will feel two vibrations.

Figure 10: Power off your device

Please note that the Interlink-U ID has a built-in safe shutdown process whereby if the battery level reaches “critical” levels (~1%) the device will safely power down.

4.1.2 Alerts

You can use the icons at the top of the device’s screen interface to get visual feedback on several things including:

-  Battery life
-  Location (grey if no current location is available)
-  Cellular Signal strength

Check-In

A Check-In is a short voice message to our ARC which is then saved and listened to in the event of a Red Alert. Relevant information informing an escalation process should be left here – including location address, length of visit and outlining of any perceived risks. A Check-In can be raised in several ways:

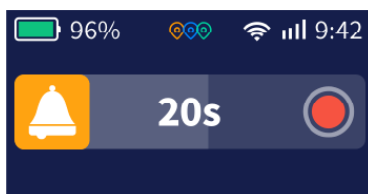


By pressing the Check-In button for 2 seconds, which is located along one of the device's edges (next to the power button).

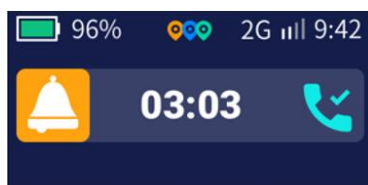
OR



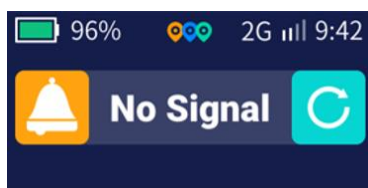
On the ID's home screen, a 2 second press of the "confirm" button with the 'Check-In' icon highlighted will activate a Check-In.



When the Alert has been activated you will feel **3 short vibrations** which denote the initiation of the alert. The screen will display a timer confirming the current length of the active alert.



This is when you should begin recording your message. The timer will count down from 20 to 0, at which point the message recording had finished.



The device will then **vibrate twice** to confirm completion of the 'Check-In'

If your device detects a lack of coverage when a Check-In is being attempted, the device's screen will reflect this status. **

Figure 11: Check-In

******When you begin a Check-In, the device attempts to dial to allow your voice message to be left. If the voice call cannot be connected, it will retry several times. If your call fails to connect after this process, then your Interlink-U ID will let you know by giving **one long vibration**.

Red Alert

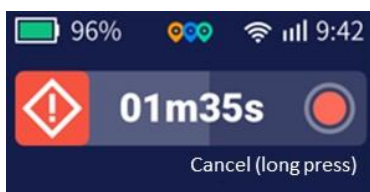
On the **Interlink-U ID**, a Red Alert is an alarm call through to a Interlink-U Alarm Receiving Centre, available to a device user on a 24/7 basis.

A 'Red Alert' can be raised several ways:

Via the 'Red Alert' button:



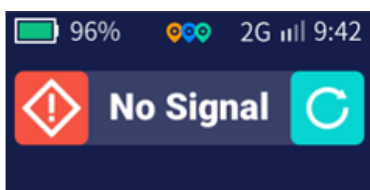
By pressing and holding the 'Red Alert' on the rear of the device. This can be done discreetly and without breaking eye-contact.



Once an Alert is live, you will feel three short vibrations.

You will then feel a 'heartbeat' vibration every ten seconds, to reassure you that an ARC/Monitoring Center Operator is listening on your behalf.

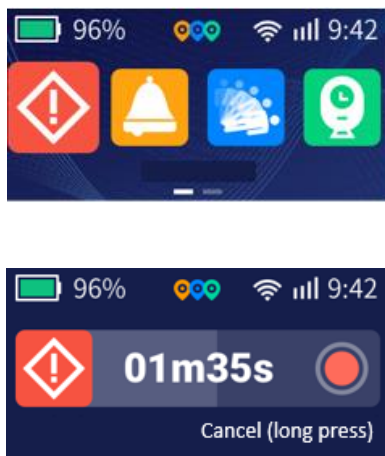
This applies regardless of how a 'Red Alert' has been activated.



When in an area of no cellular coverage you will feel a single long vibration, rather than three short vibrations. This long vibration indicates that your 'Red Alert' call has not successfully connected. This applies regardless of how a 'Red Alert' has been activated.

Figure 12: Red Alert via button press

Via the touch-screen interface:



Then select the 'Red Alert' icon on the device homepage and hold down the "confirm" button on it for 2 seconds to activate a Red Alert.

When activated the device's screen will turn off unless a button is pressed to wake it.

This is in place to ensure that the device remains discreet during an active Alert.

When the screen is awake during an active Red Alert the interface will display a timer showing the current Alert length.

Figure 13: Red Alert via device interface

Via the Rip Plug:



If the Interlink-U ID is removed forcibly from a user's body which results in pulling of the 'Rip Alarm' Pin, out of the device, then a Red Alert will be triggered.

Figure 14: Red Alert via Rip Pin

Incapacitation Alert

Interlink-U ID uses tilt, non-movement, and impact detection in combination to establish device user Incapacitation. Typically, if the device detects a significant impact (or tilt) along with non-movement for a period of 2 minutes (standard configuration), the unit will enter a pre-alert phase and start to vibrate to make the user aware the device is going to alarm if left unchecked. If the device is not moved for a further 2 minutes, then it will automatically raise an Incapacitation Alert and contact our Alarm Receiving Centre/Monitoring Center.

When an Incapacitation Alert is started, your Interlink-U ID emits **three short vibrations** to confirm the state; and then opens a two-way voice call to the designated number and enables the microphone, so that an

ARC/Monitoring Center Operator can listen to and/or record the situation.

During an active Incapacitation Alert, your device will **periodically vibrate (3 times every 10 seconds)**; this is to provide reassurance that the call is active and open, and that someone is listening to and/or recording events.

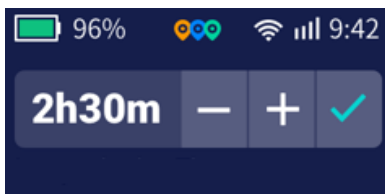
If an Incapacitation call is closed accidentally, your device will allow an ARC/Monitoring Center Operator to dial back into your device discreetly, meaning you cannot accidentally end an alert prematurely. This gives reassurance that the situation will continue to be monitored until closed.

Activating an Incapacitation Alert

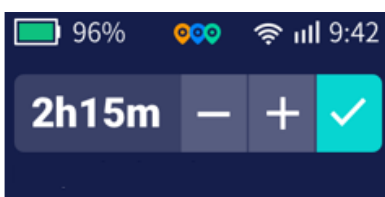
Unlike previous Interlink-U devices, the Incapacitation Alert is not active by default on the **Interlink-U ID**. A user is required to manually activate a timer at the beginning of a period for however long they will be working where a risk of incapacitation is present (can be activated for a minimum of 15 minutes, and up to a maximum of 8 hours). This is done as follows:



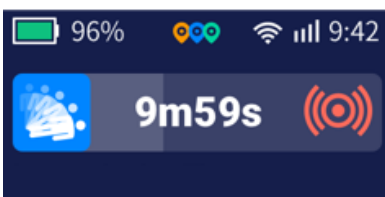
Use the navigation buttons to select the Incapacitation Alert icon from the device's screen.



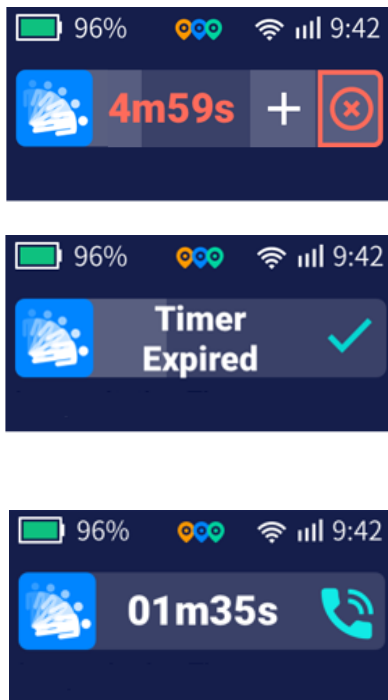
Here you must select the length of time you want the Incapacitation Timer to be active for. You use the **+** / **-** buttons (as highlighted) to do this.



You must then select the **✓** on the right (as highlighted) to activate the timer.



Once the timer is active the Incapacitation Timer screen is displayed which shows the length of time remaining.



To cancel or adjust the remaining time, you must once again visit the Timer screen (as detailed above).

Once here, you should hold down the “confirm” button for 2 seconds, which will cancel the active timer.

When there is a minute left on your timer the device will enter a Timer-Expiry phase during which it notifies you (as highlighted, and by **vibrating 4 times**) of imminent timer expiry.

When the Timer expires (or is ended/cancelled) the device will confirm this via the screen, and the Timer icon shall disappear.

If your device recognises Incapacitation while the Timer is active, it will raise an Alert (including a two-way call) into our ARC, where an operator will attempt to establish the degree of assistance you require.

Figure 15: Incapacitation Timer activation

Incapacitation detection is always disabled when the unit is on charge or switched off.

**Check with your Employer or your Interlink-U Account Manager as to whether you have this function enabled.*

Closing your Red Alert or Incapacitation Alert

Once you feel that your situation no longer needs monitoring, you can close an alert down.

If your Red Alert activation was raised by the Rip Alarm, you must first re-insert the Pin.

The Red Alert & Incapacitation Alert call(s) can only be closed by you. If you wish to do so, press, and hold the Red Alert button for 1.5 seconds, you will feel **2 long vibrations**, which indicate that the Alert is now closed.

Monitoring Timer

For device users who are entering (or are in) a situation where they perceive there to be a risk or danger but are not under immediate threat. A device user can initiate a Timer which when expired, the Operator then attempts to contact the user, failing that escalates to their emergency contacts. The ARC Operator would then ensure that either the device user is safe or is able to receive any emergency assistance needed dependent on their situation.

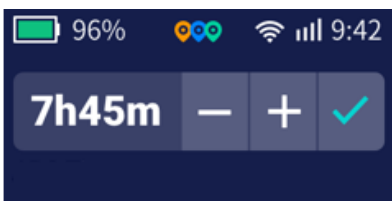
A device user can stop or extend Monitoring Timer from the interface. This feature is especially useful where a device user is entering an environment where they may lose cellular/network signal for a specified amount of time.

Activating the Monitoring Timer

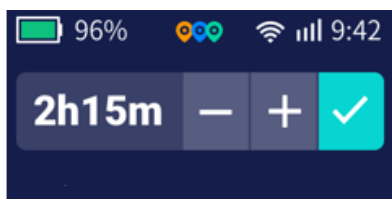
On the **Interlink-U ID**, a user is required to manually activate a timer at the beginning of a period for however long they would like to be monitored by the ARC Operators. The Timer can be activated for a minimum of 15 minutes, and up to a maximum of 8 hours. This is done as follows:



Select the Monitoring Timer icon from device's home screen (as highlighted).

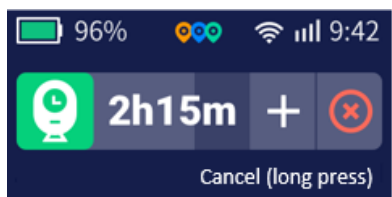


On the next screen you can select the length of time you want the Monitoring Timer to be active for. You use the **+ / -** buttons to do this.

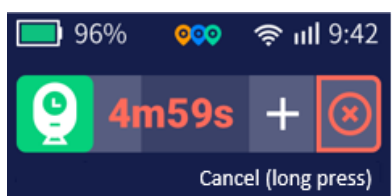


You must then select the **✓** on the right (as highlighted) to activate the timer.

Once the Timer is active the Timer screen is displayed which shows the length of time remaining.



To cancel or adjust the remaining time, you must once again visit the Timer screen (as detailed above). Once here, you should hold down the "cancel" button for 2 seconds, which will cancel the active timer.



Your device will let you know when the Monitoring Timer is due to expire. You will feel a **single long vibration** when there are 5 minutes left and the Timer font will turn **red**.

You will feel a further **2 vibrations** when 1 minute is left on the timer.

The device will confirm expiry or cancellation of the Timer by emitting **3 vibrations** and a single audible tone. At this point our ARC Operator will attempt to contact you to confirm that you are safe and not at risk. Failing

that we will engage your escalation contacts.

Figure 16: Monitoring Timer activation

The default state of the Monitoring Timer is **Off** and is only active when you activate it as per the above instructions.

**Check with your Employer or your Interlink-U Account Manager as to whether you have this function enabled.*

4.1.3 Location

The Interlink-U ID comes equipped with multiple means by which a device user can be located should they require assistance. Each time a user initiates an Alert their location information is shared with the ARC/Monitoring Center. This means that even if one or more of these services is out of coverage, we are still able to confirm a device user's location with relative accuracy should they need assistance. These functions are described below.

GNSS (Global Navigation Satellite System)

Your Interlink-U ID is configured so that a Location request is made in the following situations:

- Automatically at programmed intervals called "Device Checks" (ie. Every 5 minutes).
- When you enter a Check-In state
- When you enter a Red Alert state
- When your device reaches critical battery levels (below 5%).

In the event of a serious incident transmission of your Location along with your Check-In voice message will help inform a fast and comprehensive escalation process, and therefore the best possible response.

Your current location fix status is transmitted during each Device Check event. Your location is also requested and transmitted during any open Red Alert.

GNSS requires a clear line of site to the sky, not obstructed by buildings or other obstacles. The GNSS location operation will not work whilst the unit is indoors. The accuracy of location reporting is between 3 – 5m where conditions are optimal.

Wifi/Cell Towers

Interlink-U ID reports all local Wireless Access Point & Cell Tower information (without connecting to the networks themselves) to the Alarm Receiving Centre whenever an Alert is raised. This information can then

be used to locate the user should GNSS or other services do not provide a location due to a lack of coverage.

4.1.4 Settings

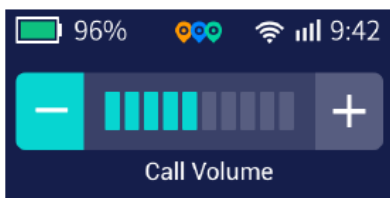
There are various adjustments that can be made to **Interlink-U ID** from the settings page (using the symbol  on page 2 on the device's interface). These Settings are detailed below:

Volume

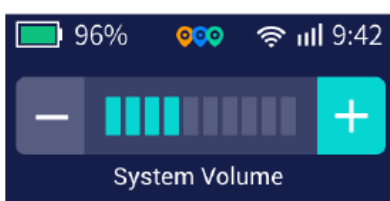
Here a user can adjust the system tones and call volume of the device. The system volume is adjusted for the Alerts where tone-based indications are in use, and the call volume setting is used to adjust the speaker volume where 2-way calls are being used.



In the Settings page, select the Speaker Setting Icon (as highlighted).



The first screen you see here is to adjust the Call volume. Use the "<" & ">" buttons to select your desired level and use the **Confirm** button to apply.



The next screen you see here is to adjust the System volume. Use the "<" & ">" buttons to select your desired level and use the **Confirm** button to apply. You can exit this menu by completing a long press of the "<" button.

Figure 17: Altering device volume

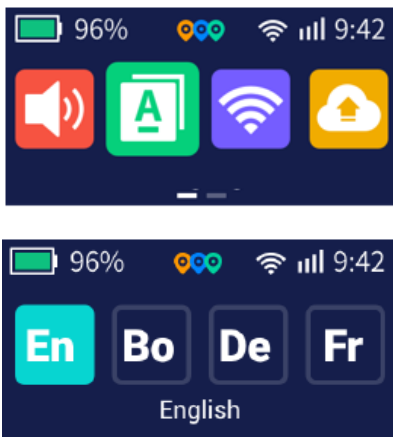
Language

A device user can alter the interface language on their Interlink-U ID device; this ensures that no matter which territory the device is being used in, the user can clearly understand the information that is being displayed on the screen.

The supported languages are:

- English
- Dutch (post-launch)
- German (post-launch)
- French (post-launch)
- Spanish (post-launch)

Below you can see how to alter the language pack to your preference.



In the Settings page, select the Language Setting Icon (as highlighted).

On the following screen use the “<” & “>” buttons to select your preferred language and complete a long press on the “confirm” button to complete the change.

If you wish to reverse this, or change the language again, please use the same process.

Figure 18: Altering language Settings

Wifi Connectivity * Post-Launch Feature

Interlink-U ID comes equipped with the ability to connect to Wi-Fi networks. The key benefit of this feature is that the device can be securely connected to your wireless network. Often when a user is located indoors (warehouses, or multi-storey buildings), it can be impossible for cellular connection to reach their device. Once a device has been connected to your Wi-Fi access point (subject to a working internet connection) it will be able to leverage that devices active network connection to facilitate raising of all alerts (audio call/, location information, and other device information) to our ARC/Monitoring Center team in the event of an emergency.

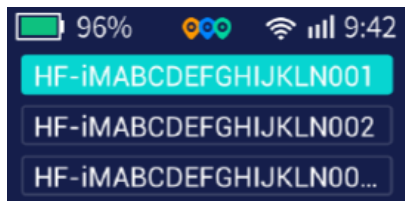
You can only connect to Wireless Access Points which have either:

- Been configured on your Insights account to work with your device
- Or, have been connected to using the WPS feature which most modern Wi-Fi routers come equipped with.

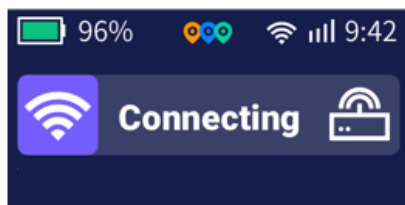
How to connect to a configured Wi-Fi Access Point:



In the settings page, select the 'Wi-Fi WPS' option, as shown.



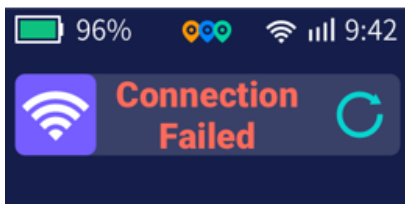
On the next screen you will see a list of available Wi-Fi Access Points, here you should select the network you know to be configured for your device.



The device will indicate on the display when it is attempting to connect to your selected network.



Your device will make it clear on the screen (as highlighted) once a connection has been established.



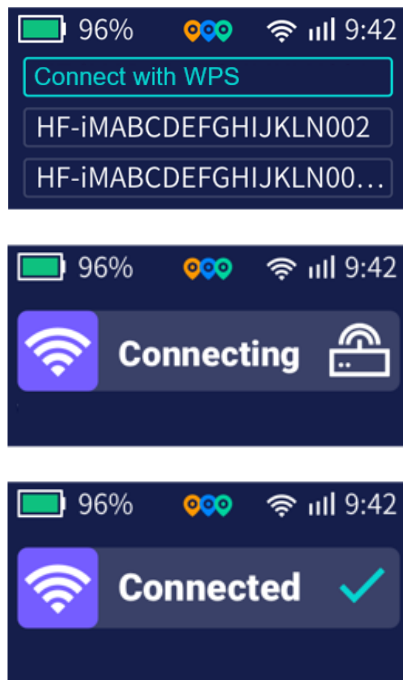
Your device will clearly notify you if the connection fails, along with an option to retry your connection attempt.

Figure 19: Connecting to a configured Wi-Fi Access Point

The process for connecting to a Wi-Fi Access Point using WPS is slightly different. This functionality can be activated using the below instructions:



In the settings page, select the 'Wi-Fi WPS' option, as shown.



Next you select the “Connect with WPS” icon, which allows your device to begin scanning for WPS pairing.

At this point you should press the WPS button on your Wireless router.

Once the network is found by the device it will display the “connecting” screen.

Once the pairing has completed and a connection to the internet has been established, the device will show the “connection successful” screen.

Figure 20: Connecting to a Wi-Fi Access Point using WPS

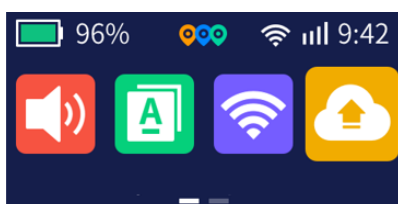
The pairing process will cancel on your device if it does not detect a WPS signal from your wireless router within 2 minutes.

System Update

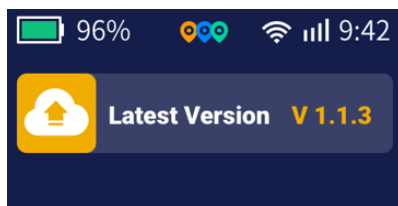
Your Interlink-U ID device has the capability to receive software updates which can be triggered for various reasons:

- To update to a new version of Firmware which could contain bug fixes, new features, or security changes.
- To make changes to existing features e.g., contact numbers, visual indicators, certain configurable options.

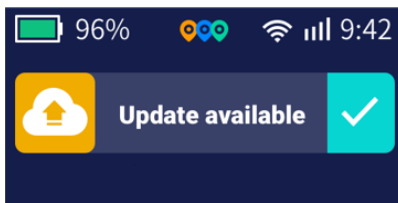
When an update is sent to your device, it will be downloaded in the background immediately, and you will be notified of a pending update. You can trigger this update by using the Software Update function as detailed below:



Select the Software Update option on the Settings screen.

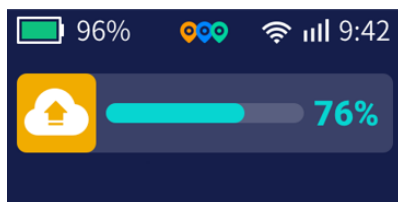


On the next page your device will let you know if it already has the latest software version installed.

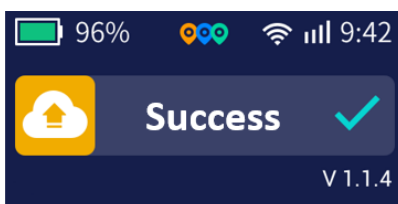


If an update is available for your device will show the screen advising you as such.

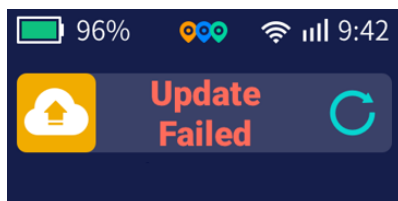
You should select the tick icon by pressing the “confirm” button; this will initiate the update.



When the software update is in progress, the device will let you know its status as a percentage on the screen.



Once the update has completed the device, will let you know as highlighted.



If the software update has failed, the device will indicate as such on the screen, it also allows you to retry the update (**functionality for this tbc**).

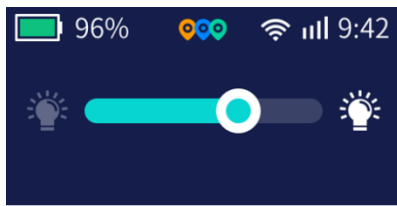
Figure 21: Completing a Software update on the device

Brightness

A user can easily alter the Interlink-U ID's screen brightness to their level of comfort using the below method:



Select the Brightness option in the Settings menu on your device.



On the following screen you will see a slider which allows you to easily adjust the screen brightness level using the “<” & “>” buttons.

Once you have your device brightness is at your desired level, you should hold the “<” button for two seconds to exit the menu.

Figure 22: Adjusting screen brightness

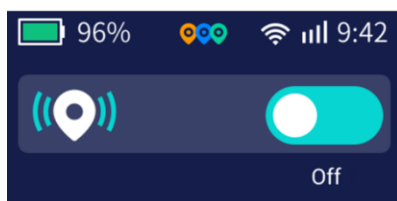
Privacy Mode

A Key feature for the Interlink-U ID, is the ability for a device user to have full control over whether they are (or are not) sharing their location.

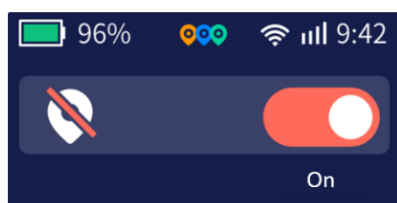
When a device user enables the Privacy Mode, their location is not shared to the Interlink-U Insights platform, unless they activate a Red/Amber/Incapacitation Alert. This ensures, that if a device user perceives a potential risk to their safety or those around them, they can still be located and given any assistance they require. You can use Privacy Mode as detailed below:



Firstly, you must select the Privacy Mode option on the Settings page.



On the next page you will see the status of your device’s Privacy Mode. By default, this will be set to the “Off” position. To enable Privacy Mode, you must press the “**Confirm**” button.



When Privacy Mode is active, you will see the Privacy Icon on the left of the screen indicates that your location is not being shared.

You must hold the “<” button for 2 seconds to exit this menu.

Figure 23: Adjusting Privacy mode

RIP Detection

When using the supplied Interlink-U ID belt clip as your wear option it is important to deactivate the RIP Detection feature. This is to ensure that the device does not raise a Red Alert in error when you remove the

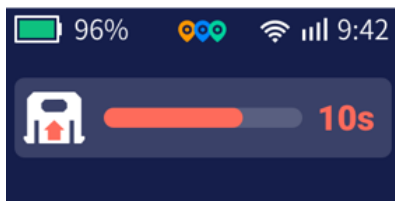
Pin.

It is important to note, that if you **do not** remove the RIP pin in the 15 second window, the device will once more begin monitoring for RIP pin removal. This ensures that this function cannot be accidentally deactivated when it is in fact needed.

Deactivation can be done as follows:

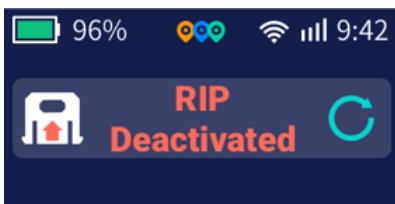


Select the RIP Pin option in the device Settings menu.

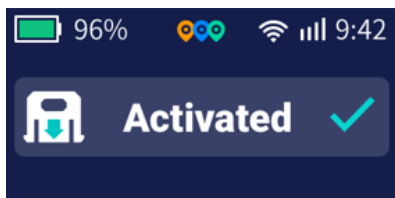


You then have 15 seconds during which RIP detection is temporarily disabled.

During this period, you can remove the RIP Pin without concerns of raising a false Red Alert.



If the Rip Pin is successfully removed during the 15 second window, the Rip detection feature will be deactivated.

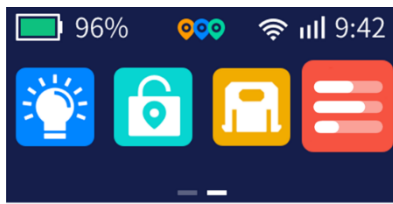


Rip detection will remain deactivate until you once again reinsert a Rip Pin into either of the devices Rip Pin ports; when this is done, the device will inform you that the function is once more active.

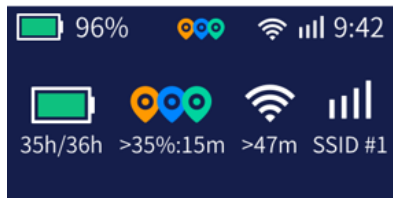
Figure 24: Deactivating the RIP detection feature

Device Status

A user can access detailed information relating to device status from the Settings page. Using the Device Status feature, you can observe the length of time left on your battery life, the accuracy of your device's location, and the quality of the device's cellular signal. This function can be accessed as follows:



Navigate to Device Status option within the Settings menu.



You can now see the various pieces of device status information.

























You must hold the “<” button for 2 seconds to exit this menu.

Figure 25: Checking the device status

4.2 Interlink-U ID Key Indicators





4.2.1 Icons

Here is a summary of the icons on your Interlink-U ID screen.

Battery (Charging)		Battery level is between 0% - 20%	Key Function		Red Alert
		Battery level is between 20% - 40%			Check-In
		Battery level is between 40% - 60%			Incapacitation Alert
		Battery level is between 60% - 80%			Monitoring Timer
		Battery level is 100%			
Battery (Off Charge)		Battery level is good (>75%)	Settings		Volume
		Battery level is normal (<75%)			Language
		Battery level is low (<35%)			Wifi Access
		Battery level is poor (10%)			System Update
		Battery level is critical (5%)			Brightness
Cellular Signal		Signal quality strong			Privacy Mode
		Signal quality good			RIP Detection
		Signal quality medium			Device Status
		Signal quality low			
		Signal quality – none or critical			
Location		Current and accurate GNSS location available			
		No GNSS location is available.			

4.2.2 Vibration Patterns

The following table summarises the standard vibration indications given by your Interlink-U ID. The Vibration patterns aid the use of Interlink-U ID for the visually impaired.

	Device is turned on Device is turned off	1 short vibration 2 short vibrations
	Check-In is activated Check-In message recording begins Check-In fails to connect Check-In call is ended	3 long vibrations 1 short vibration 1 long vibration 2 long vibrations
	Monitoring Timer expiry (5 minutes remaining) Monitoring Timer expiry (1-minute remaining) Monitoring Timer expires	1 very long vibration 2 very long vibrations 3 very long vibrations
	Incapacitation Timer Pre-Alert is activated Incapacitation Timer Pre-Alert ends Incapacitation Alert call is initiated Incapacitation Alert call is in ongoing Incapacitation Alert call is ended (or cancelled)	4 short vibrations 1 long vibration 3 short vibrations 3 short vibrations every 10secs 2 long vibrations
	Red Alert is activated Red Alert call is in progress Red Alert is ended (or cancelled)	3 short vibrations 2 short vibrations every 10secs 2 Long vibrations

5. Interlink-U ID Technical Specification

5.1 Technical Specification Table

Modem	4G	VoLTE Support
		FDD-LTE: B2/4/5/7/12
	3G	WCDMA: B2/4/5
	2G	GSM
		GPRS Max 85.6Kbps (DL) / Max 85.6Kbps (UL)
		B2, B3, B5, B8
BT		Bluetooth V4.2+EDR support only for RX
WIFI		802.11b/g/n (Read-only 2.4Ghz (location sniffing)
GNSS	GNSS support	GPS L1/BDS B1/GLONASS G1/SBAS GPS only;BDS only;GPS+BDS;GPS+GLONASS QZSS/SBAS AGPS
	Channel	64 Channel Max.
	Sensitivity	Acquisition: -148dBm (cold start), Hot start Reacquisition: -163dBm,
	Accuracy interval	Hot start Tracking: -165dBm 3~5m (CEP50) 30s (can be configured)
SIM/USIM		Built-in nano card slot
NFC		13.56MHz ISO14443 TypeA
Audio		Speaker 2x microphones
Display		0.96" - 160x80 IPS TFT
Vibrate		yes
Environmental sensors		Three axes MEMS accelerometer Ambient temperature sensor 2x Lanyard RIP hall sensors (lanyard, portrait)
Battery		Rechargeable Lithium Ion battery, 3.7V, 1000mAh
Button		Red Alert Check-In Navigation (Back, Confirm, Forward)
Connector		Power USB Type-C
Waterproof		IP67
Dimensions		99.5 x 73.5 x 23mm
Overall Weight		90g (including belt holder 12g)

Case Materials	PC+ABS
Battery life - standby	>48h
Battery life - talk time	>2h
Operating temperature range	0 C to +40 C
Operating humidity range	Up to 95% non-condensing at +40°C

5.2 FCC 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 or more 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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

Specific Absorption Rate (SAR) information:

This Brama L meets the government's requirements for exposure to radio waves. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons regardless of age or health. FCC RF Exposure Information and Statement the SAR limit of USA (FCC) is 1.6 W/kg averaged over one gram of tissue. Device types: Brama L has also been tested against this SAR limit. This device was tested for typical body-worn operations with the back of the phone kept 10mm from the body. To maintain compliance with FCC RF exposure requirements, use accessories that maintain an 10mm separation distance between the user's body and the back of the phone. 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.

5.2.1 **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.**

Risks Associated with Pacemakers

Due to the maximum SAR values, Interlink-U ID should not impair the performance of implanted pacemakers. However, the general recommendation is to maintain at least 15 centimetres between a GSM-based device and a pacemaker. If you are in any doubt, seek advice and clarification from your physician and/or the

manufacturer of your specific pacemaker.

Numerous studies have been performed to assess the risks of such devices impairing the correct functioning of pacemakers.

There is a consensus across the studies found regarding the following:

- The degree of protection of pacemakers against the effects of RFEE depend on the design of pacemaker. The latest pacemakers with ceramic filters appear to immune to RFEE.
- Exposure to pacemakers of RFEE depends on the proximity of the mobile phone type device. Recommendations suggest the minimum distance between pacemaker and mobile phone type device to be in the range 10 – 20 cm.
- Exposure to pacemakers of RFEE depends on the RFEE emission levels of the mobile phone type device.
- The effects of interference due to exposure to RFEE in pacemakers are temporary. Once the source of RFEE emissions is removed the pacemaker reverts to correct functionality.
- Mobile phone-based devices can potentially cause interference with pacemakers when in use on a call and when in standby, but not when turned off.
- Those at highest risk are individuals who are completely dependent on pacemakers (those individuals that cannot generate spontaneous cardiac rhythm).

Part of the conclusion in the above-mentioned testing is that due to its low SAR value 'There is very low health risk for persons with cardiac pacemakers or other active medical implants'

Regardless, if in any doubt the wearer should seek advice from their doctor or the manufacturer of their pacemaker.

5.2.2 Risks Associated with Pregnancy

Referring to the previous statement above on Specific Absorption Rate (SAR).

Due to the relatively low maximum SAR value, Interlink-U ID should not pose any risk to individuals whilst pregnant. Any user of Interlink-U ID who registers any concern about using Interlink-U ID whilst pregnant should seek advice from their GP.'

5.2.3 Use of Interlink-U ID in Restricted Areas

As with mobile phones, should be in accordance with regulations, protocols and stipulations relating to the specific environment. Where the use of mobile phones is prohibited, Interlink-U ID should be turned off. There may be risks associated with interference with equipment sensitive to RFEE (such as aircraft, hospitals, and healthcare facilities) or potentially explosive environments (such as petrol stations and chemical plants).

5.3 Disposal and Recycling Information

This product must not be disposed of as unsorted municipal waste. Please dispose of this product in accordance with local environmental laws and guidelines, by returning it to your point of sale or to your municipal collection point for recycling. Note that this product contains a battery that cannot be removed by the customer. For advice on disposal, please contact Interlink-U.

6. Interlink-U ID Warranty

Please refer to the Terms and Conditions in [Section 13 - Warranties](#) of your Interlink-U Master Service Agreement for more details or Contact your Interlink-U Account Manager.

7. Glossary of Terms

Term	Definition
2G/3G/4G	2 nd , 3 rd , & 4 th Generation wireless telephone technology which digitally encrypts calls, video, and messages for a specific recipient.
Alert	An inbound call, message, or event to an ARC.
Check-In	An alert left at the ARC detailing the user's current location, situation, and status to aid the operator in dealing with any subsequent alerts.
ARC	Alarm Receiving Centre – a 24/7 communications centre that answers calls from lone worker devices and responds as required.
BS8484	A British Standard on the provision of lone worker services and devices.
Device Check	A function completed on the ID device which allows battery life, GNSS fix, Cellular signal, local Wifi access points to be sent automatically to an ARC or Monitoring Center, at a configurable interval.
EDGE	Enhanced Data rates for GSM Evolution – allows improved data transmission rates over the GSM network.
GNSS	Global Navigation Satellite System such as GPS, Glonass, and similar.
GPRS	General Packet Radio Service – a more reliable and faster means of sending data over the GSM network than SMS messaging.
GPS	See GNSS
GSM	Global System for Mobile Communications – a standard for cellular mobile communications, as used today for most mobile phones.
Incapacitation	An event/status where the user is physically incapacitated – usually occurring following a slip, trip, or fall.
Incapacitation Alert	A high priority Incapacitation event requiring an immediate respond from the ARC
Mapping/Logging Server	This receives and stores all mapping/logging data from the device so it can be accessed by the ARC (Alarm Receiving Centre) if needed.
Monitoring Center	see ARC
Red Alert	A high priority user triggered event requiring an immediate respond from the ARC
Risk Messaging	Short messages which can be sent to an ID Pro device user to inform of risks or threats. Sent an Admin user from the Insights platform.
SIM	Subscriber Identity Module – a secure store for the subscriber information (e.g. the IMSI) for mobile equipment (e.g. GSM modem or phone).

Term	Definition
SMS	Short Message Service – a text-based message facility for GSM phones.
TCP/IP	Transmission Control Protocol/Internet Protocol – the standardized suite of protocols used to connect hosts over the internet. It provides end-to-end connectivity specifying how data should be formatted, addressed, transmitted, routed, and received at the destination.
WiFi	A popular wireless networking technology that uses radio waves to provide wireless high-speed Internet and network connections.

Declaration of conformity

Herby, **INTERLINK-U HONG KONG COMPANY LIMITED** declares that this **Brama L**, Model **ID** is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU.