MX-LOCare
BR1
MobilMAX
USER MANUAL

Thank you for purchasing the ***MX-LOCare®*** BR1 Bracelet GPS Locator and/or ***MX-Beacon1***. This manual shows how to operate the device correctly. Make sure to read this manual carefully before using this product. Please note that specification and information are subject to change without prior notice. Any change will be integrated in the latest release. The manufacturer assumes no responsibility for any errors and omissions in this document.

The content of your package includes:

- 1. ***MX-LOCare®*** BR1
- 2. ***MX-PowerEXT®***
- 3. ***MX-Beacon®***
- 4. USB cable
- 5. Charger
- 6. Warranty cards (for ***MX-LOCare®*** BR1Bracelet and ***MX-Beacon®*** each): Bracelet ID, Telephone number for bracelet, beacon ID and beacon serial number.
- 7. SIM card has been pre-installed
- 8. ***MX-LOCare®*** BR1 Torx Screw driver

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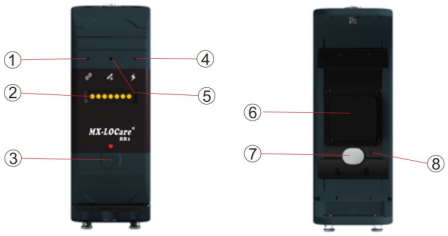
1. General Information

The Bracelet works on existing GSM/GPRS network and satellites. This product can locate and monitor any wearer by SMS or GPRS.

1.1 Hardware Description

Front Face Back Side



***MX-LOCare®* Locator Description**

1. Link LED Light (Blue)
2. ***MXConn®*** connector
3. SOS/ON Button
4. Power LED Light (Red)
5. GPS LED Light (Green)
6. Back Cover (SIM Cover)
7. Proximity Sensor
8. PowerOff Button

***MX-PowerEXT®* Description**

1. Hook structure (to connect to the locator)
2. LED indicators
3. USB Connector
4. ***MXConn®*** Connector

Power Button Definition

Function	Description
1. SOS/ON Button	- **Power On:** Press 3 seconds to Power On the device (The LED light "Red", "Green" and "Blue" will flash sequentially twice) - **SOS:** Under Power On status, hold down the button 3 seconds, all three LED lights will flash until the locator sends out the SOS Warning. (Please refer to section 4.1.1 or 5.1 to register from a web browser or ***MX-Locate®*** APP respectively.)
2. Power Off Button	The PowerOff button is a hole located in the back of the Bracelet. Insert a small paperclip in the hole in order to power off

	the locator

1.2 LED Light Definition

1.2.1 Locator LED

LED Light	Status definition
1. Link LED Light (Blue)	**Link status:** - Network Linked: light "ON" for 2 seconds and shuts "OFF" in 10 seconds. - SIM Card Error or GSM Network Failed: light flashes 3 times and shuts "OFF" in 2 seconds. - Network Searching: light "ON" in 0.5 seconds and shuts "OFF" in 2 seconds. - Data Network Failed: light flashes 2 times and shuts "OFF" in 2 seconds.
2. GPS/Beacon LED Light (Green)	**GPS status**: - Searching GPS Satellites: light "ON" in 0.5 seconds and shuts "OFF" in 2 seconds. - Beacon Search Succeed: light flashes 3 times and shuts "OFF" in 2 seconds. - Positioning Succeed: light will turn "ON" in 5 seconds after positioning success and will keep flashing for 2 seconds and then will shut "OFF" in 10 seconds.

3. Power LED Light (Red)	**Battery status:** - Low Battery: light turns "ON" for 2 seconds and then shuts "OFF" for 10 seconds - Charging: light flashes every 1 second. - Fully Charged: light shows "ON".

1.2.2 *MX-PowerEXT®* LED

LED Light	Status definition
1. Charge LED Light (White)	**USB connected:** - When the battery of ***MX-PowerEXT®*** itself is NOT fully charged: the 4 white LEDs will flash sequentially from right to left. - When the battery of ***MX-PowerEXT®*** itself is full: all the 4 white LEDs will be on constantly. **USB NOT connected:** - When ***MX-PowerEXT®*** is connected to the ***MX-LOCare®*** Bracelet: light will be "ON" constantly, NOT all the 4 white LEDs are "ON" the same time. The number of LED's on will indicate the battery level remaining in the ***MX-PowerEXT®***. - When ***MX-PowerEXT®*** is NOT connected to the ***MX-LOCare®*** Bracelet:

	4 white LEDs are “OFF".
2. Discharge LED Light (Red)	**When the *MX-PowerEXT* is Connected to *MX-LOCare®* Bracelet:** - When the battery level of ***MX-LOCare®*** Bracelet is Not fully charged: the Red LED will be “ON”. - When the battery level of ***MX-LOCare®*** Bracelet is full: the Red LED will be “OFF” *Important - Please note that although the Bracelet is IP-67 waterproof rated the charging bank is not. At no time should the ***MX-PowerEXT®*** be exposed to any water or any liquid will void the warranty. **When the *MX-PowerEXT* is NOT connected to *MX-LOCare®* Bracelet:** the Red LED on the power pack will be “OFF”

2. Getting started

2.1 Functions

- ✓ Periodic reporting or real time tracking functions are generated from web or ***MX-Locate®*** downloadable APP.
- ✓ Location and activity history is easily accessed and stored to check past records.
- ✓ SOS Button sends out an emergency signal.
- ✓ Up to 10 inbound/outbound GeoFences. Can be in forms of circle, rectangle and polygon.
- ✓ Detach alert using light laser when detached from user.
- ✓ G-sensor alert for impact and fall incidents
- ✓ Indoor location aware technology with the aid of ***MX-Beacon®***
- ✓ Safe zone boundaries further defined with the aid of ***MX-Beacon®***
- ✓ ***MX-PowerEXT®*** (800mAh) extends the standby mode and recharges the Bracelet easily without taking it off the wearer
- ✓ IP-67 waterproof design

2.2 Battery and Charger

For initial use charge the ***MX-PowerEXT®*** and the Bracelet

for 2 hours. To charge the Bracelet, use the charger and ***MX-PowerEXT®*** at the same time. Plug in the power cable to the ***MX-PowerEXT®*** and

lock the ***MX-PowerEXT®*** to the Bracelet tightly and the charging will start.

After the initial charge remove the ***MX-PowerEXT®*** from the Bracelet. When the Bracelet power gets low, snap the ***MX-PowerEXT®*** back onto the Bracelet to recharge. When not using the ***MX-PowerEXT®***, plug it into the charger to keep it charged for next use. (Please note- additional ***MX-PowerEXT®*** are sold separately if a spare charged unit is required.)

Remember in low battery mode, the power LED light (Red) will flash "ON" for 0.5 second and then "OFF" for 0.5 second intermittently until either a charge is connected or the battery completely is depleted.

There is also a power safe feature which preserves enough battery life to allow for an emergency connection if the battery is in a critical state.

Important: Please use the ***MX-PowerEXT®*** and charger provided by the manufacturer.

NOTE:

- The Li-ion battery contains harmful chemicals and may burst. Avoid bumping or puncturing the battery and keep it away from fire.
- Always charge the battery timely to keep it working properly.

3. Startup

- Press “SOS/ON” button.
- In approximately 40 seconds or less, the Bracelet will start working and acquire the GSM signal as well as the GPS signals. **It is suggested users go outside where the sky can be seen to get the GPS signal**. (Please refer to 1.2 for detail.)

4. *MX-Cloud®* Server and Web

The ***MX-Cloud®*** server controls and records the actions of the Bracelets. The server can be accessed by using a computer, tablet, smartphone's web browser or the downloaded APP for Android or iOS Smartphones known as ***MX-Locate®***.

Use ***MX-Locate®*** as the interface to communicate with the ***MX-Cloud®*** server. This will allow the user to control and monitor the Bracelet(s).

The link to access and control the Bracelet is as follows:

http://MXLocate.mobilmax.com/

4.1 Registration and Login

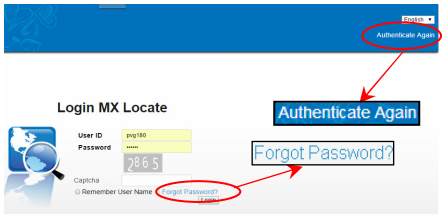
4.1.1 Registration

The distributor/dealer you purchased your product from will provide your login credentials and temporary password.

4.1.2 Login

- Validate your account
  - Registration is now completed and verified.
  - Check your email and click on the link in the "MX Locate Confirmation email".

- Login
  - Please fill in the User ID and password then press "Login" button. Enter the Captcha Code.
  - If the account is not verified, the message "This account is not verified yet" will appear. Please go to the email mailbox that was used to register the Bracelet and verify it so it will appear. Please press "Authentication again" to complete the process.
- Authentication again
  - If you did not receive the confirmation email, click on the Authentication Again" on the upper right corner shown in below image.



- Forgot Password
  - Click on “Forgot Password?” and enter the user name and email address to obtain a new password.
  - The password will be sent out to the email account that was used to register the device. Please reset the password and write it down.

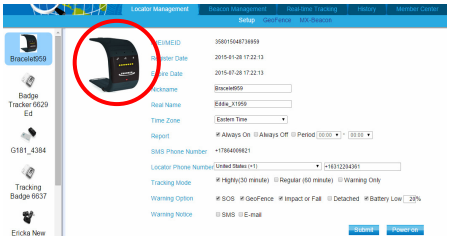
4.2 Locator Management

To manage the Locator/Locators, please go to the “Locator Management” page and fill in all the necessary relative information as outlined below.

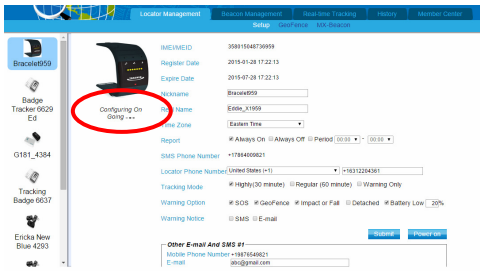
4.2.1 Set Up

To add or delete a Bracelet, or to discontinue services, contact the dealer/distributor where the device was initially purchased.

To modify the data settings of the Bracelet, go to the “Locator Management” ➔ Setup page and if necessary, choose the appropriate Bracelet from the list on the left column of the dashboard. Please see below:



- To Change the portrait of the Bracelet, click on the portrait of the Bracelet on the page, as in the red circle in above figure, and choose a new image from a computer file and replace it.
- For Tracking Mode, this section defines the frequency of how often Bracelet is to report location:
  - High: reports every 30 minutes periodically
  - Regular: reports every 60 minutes periodically
  - Warning only: reports only when warning alert occurs.
- Fill in ALL the information and make sure you choose what options you want and then press "Submit". This will then save the information to the Server.
- Four extra SMS (text message) numbers and emails are used to inform additional caregivers when alerts occur.
- Once all of the setup information is submitted, the words "Configuring On Going …" may be seen under the portrait of the Bracelet. If the Bracelet stays on the "Configuring On Going …" message, please check to see that the Locator has been charged and has the power light "ON".



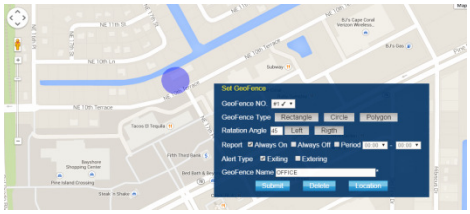
4.2.2 Geofence

Now it is time to create safe zone boundaries known as Geofences. You can use different shapes and sizes such as a rectangle, circle and/or polygon. The size and shape of the Geofences can also can be rotated to be a better conform to the specific geographic safe zone area needed. Up to ten (10) Geofences can be set up and selected.

To set the Geofence settings, go to Locator page and click on "Geofence":

1) Press "location" in the popup box and input the address for the Geofence. This will move the map to the area where the Geofence will be set.
2) Click on the map the shape and size of the Geofence desired. Also select Alert Types, Exiting and/or Entering when the Bracelet crosses the safe zone boundary.
3) Choose Always On/Always Off/Period to start/stop Geofence activity.

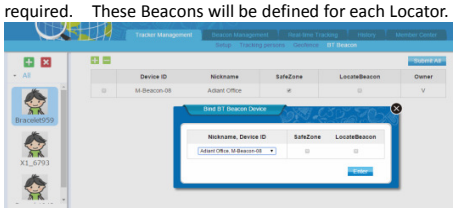
Please note - when leaving the GeoFence, the Bracelet will send an alert to the caregiver/caregiver's with the time and location report. The system allows more than one GeoFence active at the same time.



4.2.3 MX-Beacon®

This System allows the user to apply indoor location aware notification beacons, known as the ***MX-Beacon®***. These devices are used for indoor locations or the creation of other types of safe zones.

On the dashboard, please go to the page called Beacon Management as indicated in the diagram below. In this section the user will create/setup one or all the Beacons required. These Beacons will be defined for each Locator.



Beacon Function

In Safe Beacon mode, the Bracelet will NOT report as it is within the Safe Beacon zone.

In the Location mode, the Bracelet will report the location. Please note that this will be the default option.

Reference the next section for more details and setting up multi-Beacon safe zones.

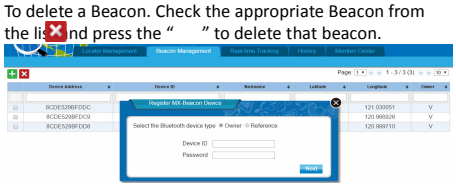
4.3 *MX-Beacon®* Management

This section is used to allow the user to create a list of Beacons that are desired to create a safe boundary for the wearer/wearers of the Bracelet(s). The user can decide to use his/her own MX-Beacon or connect to another person's MX- Beacon that would extend the safety areas.

Setting up multiple Beacons:

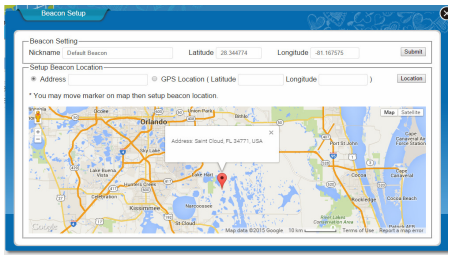
Please go to the MX-Beacon Management Tab of dashboard. It will give a list of registered MX-Beacon's being used.

Press the " " icon to add a new Beacon.
Input the Beacon-ID, which is indicated on the product label of the Beacon or on the box of that Beacon, and the password, which is defaulted as 12345.
Give a nickname to the Beacon, such as "Living Room", and tell the system it's your "Own Beacon". We called it "Own Beacon" if it is initial Beacon or an extra Beacon you purchase from your distributor/dealer, otherwise "Reference Beacon".
To delete a Beacon. Check the appropriate Beacon from the list and press the " " to delete that beacon.



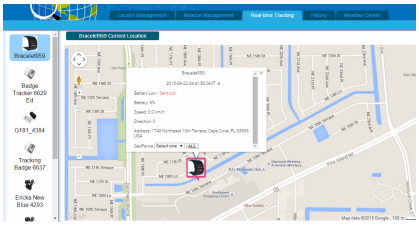
If it is the user's own beacon, click on the beacon and it'll pop up a window with map as following. The nickname or

address can be changed to define the location of that Beacon. The cursor on the map can be moved to do the same thing.



4.4 Real-time Tracking

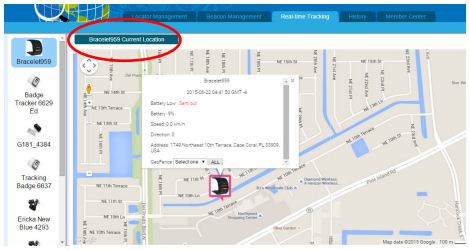
On the dashboard, please go to "Real-time Tracking".
If there are multiple Bracelets that are being monitored, please select the Bracelt that the user wants to locate on the left bar of the dashboard. The system will then automatically display the latest location record of the Bracelet.



The user can also click on the corresponding "Current Location" button, as indicated in the red circle in the

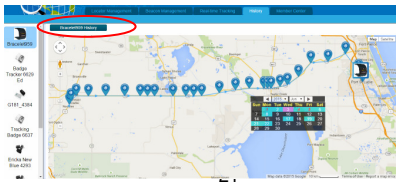
following figure, to trigger the Bracelet to report its current location. After the “Current Location” button is pressed, the button will turn into a timer bar. If the timer bar runs to the end and times out, it will pop up a window with message “(Bracelet name) Get current location time out”. **There are a few reasons why the system times out and they are as follows:**

- ✓ **The Bracelet was out of the GSM cellular service area, such as in a basement, underground garage or subway; or**
- ✓ **The Bracelet did not receive the GPS signal due to limited or very low battery life.**

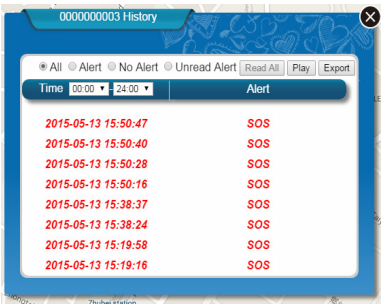


4.5 History

On the dashboard, please go to “History”. Click on the Bracelet from the list on the left. The user will be able to see the Bracelet’s history locations including a breadcrumb trail as well as the warning history on the specific date selected from the calendar displayed.



To drill down reports even further, the user can click on the bar as indicated in the red circle above and get a pop-up window with the record list of the Bracelet chosen on that date, as shown in this format:



The user can also click on the items to further drill down the record desired in the following formats:

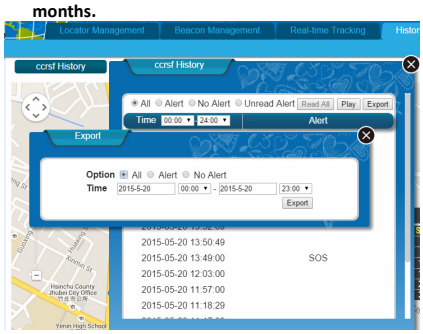
- All: list all the reported records
- Alert: list only the reported records with alerts
- No Alert: list only the reported records without alerts
- Unread Alert: list with alerts that have not been read or cleared. The “Read All” button can be clicked onto clear them at one time.

There are also three buttons on this window:

- Read All: as described above, to clear all the unread alerts on that day.
- Play: play back the trace by sequence only on the selected date you chose.
- Export: allows the user to output the history data to an excel file. When selecting output, the system allows

you to input time range and choose “All”, “Alert” or “No Alert” for screening.

Please note that this data is saved on for up to six months.



4.6 Cursers and icons

Different type of Cursors or Icons are displayed on the map of Real-Time Location or History page. These Cursors and/or Icons mean different location results as following:

Curser/Icon	Locations
	Showed Blue Cursor with globe when Bracelet located from GPS
	Showed Pink curser when Bracelet located by ***MX-Beacon***®
	Showed Red Cursor when Bracelet’s location came with an unread alert
	Showed Blue Icon for the Real-Time Location or the last location history when Bracelet located from GPS
	Showed Pink icon for the Real-Time Location or the last location of history when Bracelet located by ***MX-Beacon***®

4.7 Member Center

4.7.1 My Account

On the dashboard, please go to “Member Center” and then “My Account”. This is where “Nickname”, “Mobile Phone”, and “Address” can be edited.
Once additions or changes are made, press the “Renew” button to save the record.

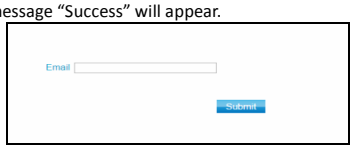
4.7.2 Change Password

On the dashboard, please go to “Member Center” and then “Change Password. This is where the Password can be changed. Press “Renew” button to save the record. The message “Success” will appear.

4.7.3 Change Email

On the dashboard, please go to “Member Center” and then “Change Email. This is where the email address can be edited. Press the “Renew” button to save the record.

The message “Success” will appear.



4.7.4 Setting

On the dashboard, please go to “Member Center” and then “Setting”. This is the alert sound for your sound notification acknowledgment is configured by turning it on/off. **The alert sound will stay on after triggered by the alert events until the alert is read.**

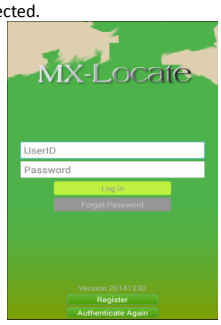
5. MX-Locate® APP

To use an Android Phone, go to "Google Play" to download and install the APP "***MX-Locate®***". To use an iPhone, go to the iTunes Store download and install the "***MX-Locate®***" APP, The app allows the user to do this the same functions as on a computer.

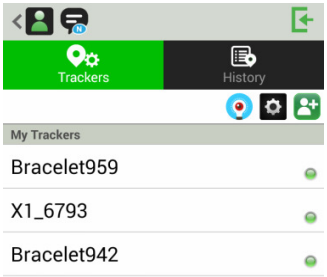
5.1 Registration and Log In

Use the same login and password that was provided at time of purchase.

Once the ***MX-Locate®*** APP is opened, the user will see the page as follows. Input the user ID and password to login to the APP as directed.



After a successful login, the page below will be shown:



The Icons shown below represent the tabs for the functions able to be accessed from the APP:

New Message

Log Out Button

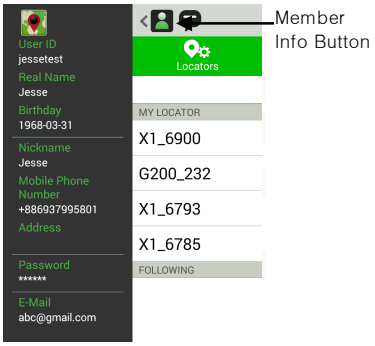
Save / Update Button

Member information

MX-Beacon® setup

System setup

The user can click on the Member Information button to view the member information. If changes need to be made, click on the field that needs to be edited.

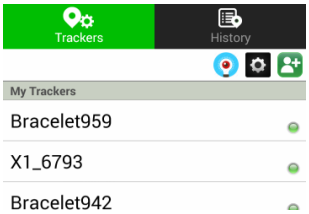


5.2 Add New Bracelets

To add or delete a Bracelet, or to discontinue services, contact the dealer/distributor where the device was initially purchased.

"My Locator Tab" shows how many Bracelets are on the account. On the "My Locator" tab note the color coded status lights of each Bracelet.

The color lights denote the following:
Green- On/off status of the Bracelet. Power on and in sync mode.
Red – Power off mode.
Yellow – Bracelet is not syncing with the servers.



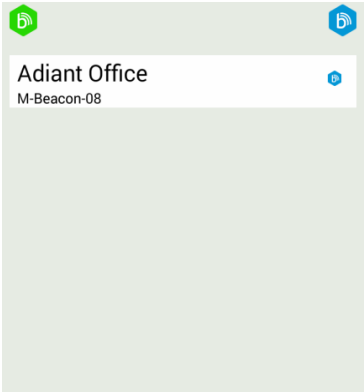
5.3 *MX-Beacon®* and System Configure

5.3.1 System Configure

After logging in to the ***MX-Locate® APP***, the following icon "⚙" will be seen. Press this icon to configure the page for the alert sound and the alert vibration notice.

5.3.2 *MX-Beacon®* Configure

After logging in to the ***MX-Locate®***, the following icon "📍" will be seen. Press this icon to configure a beacon.



Please note the Green and Blue Icons as shown on the left and right headers above.

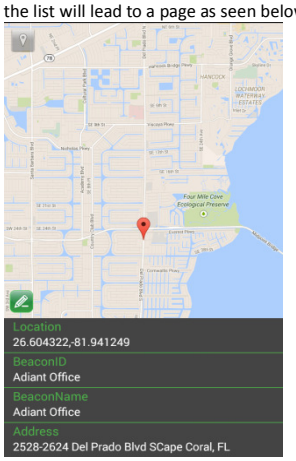
When pressing the Green Icon, the user will be able to add a MX- Beacon that's from others (not your "Own" or "Original" Beacon that came with the Bracelet). They are referred to as "Reference Beacons". In order to add the Reference Beacons you need to know the Beacon ID first and then it be given a nickname (i.e. - living room) to add it to the list for creating safer boundaries.

When you press the Blue Icon, the user can add the "Own" or Original" Beacon or the Beacon that came with Bracelet. The Beacon ID and password which was provided at time of purchase will need to be entered.

Remember if the Login has been forgotten or there is logging on to the portal, please check with the authorized

distributor/dealer for the Login information or to reset the password.

After adding the Beacon, “Own” or “Reference”, the Beacon will be shown on the list with an icon to indicate it’s the “Own” or “Reference” Beacon. Pressing the Beacon on the list will lead to a page as seen below:



It is here where the “Beacon Name” is pressed to setup the nickname use for the Beacon. An “Address” also needs to be setup where the Beacon is to be placed. The cursor on the map can be pressed to automatically move to the location for the Beacon. After the Beacon is set up, press the “ ” icon to save the settings.

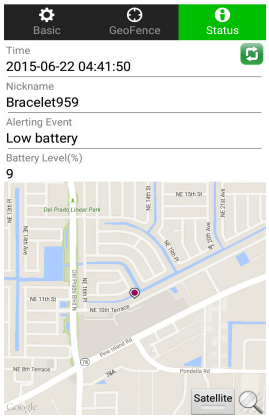
5.4 Overview of Locator

Tap the Locator that was added to the ***MX-Locate® APP***, in order to view the basic information of the Locator, Locator status, and any additional information as shown below:

5.4.1 Status

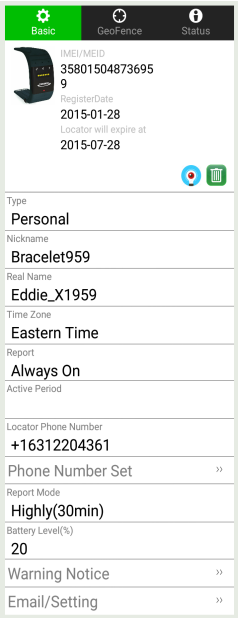
The latest location can be viewed here. If the GPS Locator/Locators have not been charged and turned on, there will be no records and the columns will appear empty.

However if the Locator(s) appear, the icon can be pressed and it will initiate the Locator to report its current location.



5.4.2 Basic Functions

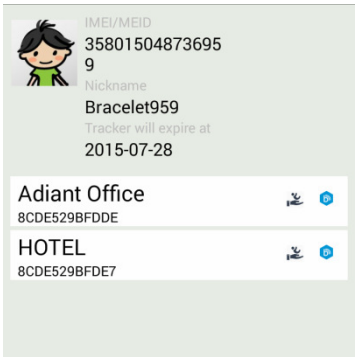
Basic personal information can be viewed and set here:



Press each item to fill in the information needed and press button to save it.

For some items, tap button to activate the function.

To configure the beacon type (SafeBeacon or LocateBeacon) used for this locator, press the button, and a list of beacons will be seen:

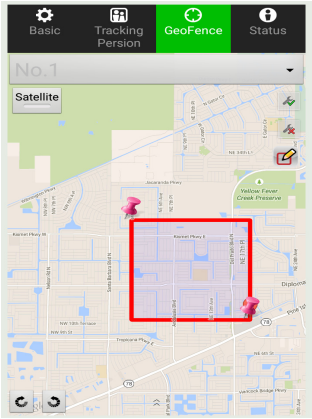


If the Beacon Button is held down for a few seconds, a popup window will be seen which shows the following:

Press on which item designated to define the relation between the Locator and the Beacon selected.
You can also tap the button to wake up the Locator remotely.
Tap the button to delete this locator.

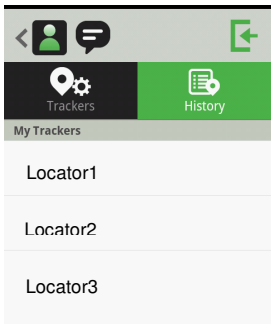
5.4.3 Geofence

You can set the range by tapping or button

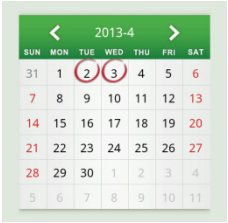


5.5 History

- Tap the specific locator for route or alert history.



- Check the tracking and alert history by tapping on the date marked with circle



- The location history will appear on the map.
- By pressing on an icon, specific locations on the map

can be checked.

6. How to use GPS Locator Bracelet

After all setup and configuration is completed, your ***MX-LOCare®*** BR1 is ready to use. A person who is wearing a locator device or is responsible for the person wearing the locating device must be aware of the use of that device.
Please note the following points to use the Bracelet:

For Power On -

- Press SOS/ON button to power on the Bracelet.

Once powered on, it will always stay on unless the battery is completely depleted.

SOS key

- Press SOS/ON key for 3 seconds. An SOS message will be sent as an alert to a defined SOS phone number that was designated in the setup.

7. Safety information

Battery information

- This device is powered by a rechargeable battery and care and protection is required by the user. For long term device preservation and peak performance, it is recommend the Bracelet be charged with the same care and maintenance as any other expensive cellular device.
- Use only the approved charger to recharge the battery.
- Unplug the charger from the electrical plug and the device when not in use. Do not leave the battery connected to a charger. Overcharging may shorten its lifetime.

Operating Environment

- Remember to follow special regulations in any area and always power off the device when its use is prohibited or when it may cause interference or danger. Please reference section 1.1 for the operation. Use the device only in normal operating conditions. Do not keep the device near credit cards and other magnetized products or media, as some cellular devices and/or accessories can demagnetize the products or media and have been known to possibly delete the data.
- Pacemaker manufacturers recommend that a minimum separation of 6 inches (20cm) should be maintained between a wireless device and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent

research by and recommendations of Wireless Technology Research (WTR), L.L.C 's public health program. To minimize the potential interference, persons with pacemakers should do as below:

- Always keep the device more than 6 in (20 cm) from the pacemaker when the device is switched on.
- Do not carry the device in a breast pocket. If necessary to do so, carry the device in the breast pocket across from the pacemaker.
- If there is any reason to suspect that interference is taking place, switch off the device immediately.

Hearing aids

Some digital wireless devices such as the ***MX-LOCare®*** Bracelet may interfere with some hearing aids.

Small children

Although the ***MX-LOCare®*** Bracelet can fit on a toddler's wrist, please note that its enhancements may contain small parts. Keep out of the reach of small children.

Other medical devices

Operation of any radio transmitting equipment, including wireless phones, may interfere with the functionality of inadequately protected medical devices. Power off the device in health care facilities when any regulations are posted in these areas instructing the user to do so. Please reference section 1.1 for the operation.

Regulatory Agency Identifications
The following regulatory body identification numbers have been assigned to the BR1 and its peripheral MX-Beacon1 :

FCC ID for BR1: 2AAYELOCAREBR1
FCC ID for MX-Beacon1: 2AAYEBEACON1

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.

8. Care and maintenance

The Bracelet is a product of high quality design and craftsmanship and it is recommended following the listed suggestions to help protect the Locator and maintain the one year warranty coverage.

- Although the Bracelet is IP-67 waterproof, it is recommended the user keep the device dry. The device can be immersed for short periods of time. It is not recommended for swimmers. It is recommended that once the device is wet that the Bracelet is dried using a clean cloth making sure to keep the contact points clean.
- Do not store the device in hot areas or directly in the sun. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt

certain plastics.

- Do not store the device in cold areas. When the device returns to its normal temperature, moisture can form inside the device and damage electronic circuit boards.
- Do not attempt to open the device as this will certainly void the warranty and ruin the waterproof seal.
- Do not drop, bang, or shake the device. Rough handling can possibly break internal circuit boards and breach the warranty.
- Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the device.
- Do not paint the device. Paint can clog the moving parts and prevent proper operation.
- Use a soft, clean, dry cloth to clean any lenses, such as proximity sensor and light sensor lens.
- Always keep a log of passwords and login credentials

GPS drift is common with GPS devices. Efforts have been made to eliminate as much drift as possible when the Bracelet is outside. There are various factors that can produce drift such as being in a covered area, solar storms and other factors which may distort the GPS signal. By using the MX-Beacon, the device will use the beacon's location and will not rely on GPS thus reducing the chance of GPS drift which can trigger alerts.

As with all GPS products, they must be charged to work properly. MobilMAX is not responsible if device is not

charged.