

# metaReach<sup>®</sup>

Continuous Glucose Monitoring System

4 needle type

## User's Manual



## **Chapter 1 About metaReach® CGMs**

- 1.1 Indications for Use
- 1.2 List of Kit Contents
- 1.3 Product and Display

## **Chapter 2 Start to use metaReach® CGMs**

- 2.1 Set Up for First Time Use
- 2.2 Charging the Receiver Battery

## **Chapter 3 Functions of Home and Menu Screen**

- 3.1 Functions of Home Screen
- 3.2 Functions of Menu Screen

## **Chapter 4 Using Your Sensor**

- 4.1 Apply Your Transmitter and Patch to be a Sensor
- 4.2 Check the Glucose Result
- 4.3 Replace the Patch on the Sensor
- 4.4 Turn off the Receiver

## **Chapter 5 Review Your Glucose History**

- 5.1 Review the Trend of Your Glucose History

## **Chapter 6 Caring for Your Receiver and Sensor**

- 6.1 Maintenance and Cleaning of Your Receiver and Sensor
- 6.2 Disposal

## **Chapter 7 Performance**

- 7.1 Performance

## **Chapter 8 Troubleshooting**

## **Chapter 9 System Specification**

- 9.1 Receiver Specifications
- 9.2 Sensor Specifications
- 9.3 Adapter Information
- 9.4 Electromagnetic Compatibility
- 9.5 Federal Communications Commission (FCC) Requirements following
  - 9.5.1 The metaReach®CGMs covered by this user manual are under FCC ID
  - 9.5.2 FCC Statement
  - 9.5.3 FCC RF Radiation Exposure Statement

## **Chapter 10 Cautions, Contraindications and Warning**

## **Chapter 11 Events icons information**

## **Chapter 12 Symbol Information**

## ***IMPORTANT SAFETY PRECAUTIONS***

### **READ BEFORE USE**

1. Use this device ONLY for the intended use described in this manual.
2. Do NOT use accessories which are not specified by the manufacturer.
3. Do NOT use the device if it is not working properly or if it is damaged.
4. Do NOT use the equipment in places where aerosol sprays are being used or where oxygen is being administered.
5. Do NOT use under any circumstances the device on neonates or infants.
6. This device does NOT serve as a cure for any symptoms or diseases. The data measured is for reference only. User should not take any decision of medical relevance without first consultation of medical practitioner. Always consult your doctor to have the results interpreted.
7. Before using this device to test glucose, read all instructions thoroughly and practice the test. Carry out all the quality control checks as directed.
8. Use this instrument in a dry environment, if synthetic materials are present (synthetic clothing, carpets etc.) it may cause damaging static discharges that may cause erroneous results.
9. Do not use this instrument in close proximity to sources of strong electromagnetic radiation, as these may interfere with the accurate operation.

10. Do not use this reader near cellular or cordless telephones, walkie talkies, garage door openers, radio transmitter, or other electrical or electronic equipment that are sources of electromagnetic radiation, as these may interfere with the proper operation of the meter.
11. This System can be used in home healthcare and professional healthcare environment.

## Chapter 1 About metaReach® CGMs

### 1.1 Indications for Use

The metaReach®CGMs is indicated for measuring interstitial fluid glucose levels intended users /patients (age 18 and older) with diabetes mellitus. The Patient is an intended operator.

This product composed of three elements which are patch(with 1 mm long microneedle), receiver and transmitter.

Users may place the patch fixed with transmitter on upper arm, and users may continuously get glucose result via transmitter for 24 hours.

The metaReach®CGMs detection range is defined as 40 ~ 400 mg/dL.

#### **Cautions:**

Contact your healthcare professional, if the following issue cannot be resolved:

1. The result of this product is only for self-monitoring reference not for diagnosis; do not change the therapy according to metaReach®CGMs test result without consulting healthcare professional.
2. If the glucose result does not match your feelings, please apply a finger blood glucose testing to confirm. If this issue remains, please remove old patch and replace a set of new one.

3. Severe dehydration and excessive water loss may affect the results. If you are under dehydration risk, please contact with your healthcare professionals immediately.
4. Before using the metaReach®CGMs, please wash your hand with soapy water. Rinse and dry properly.
5. This product is designed for single person self-monitoring, do not use for one or multiple users to prevent infection risk.
6. When the transmitter or patch pack is opened, it means non-sterile at the while. Please use it immediately, do not put back for storage. And also, this is single use product, please dispose it after use.
7. The metaReach®CGMs small part and batteries could be harmful for children, and please storage it properly and away from children.
8. Some people's skin maybe sensitive or allergy of patch; please remove the patch and contact your healthcare professionals once the discomfort opens immediately.

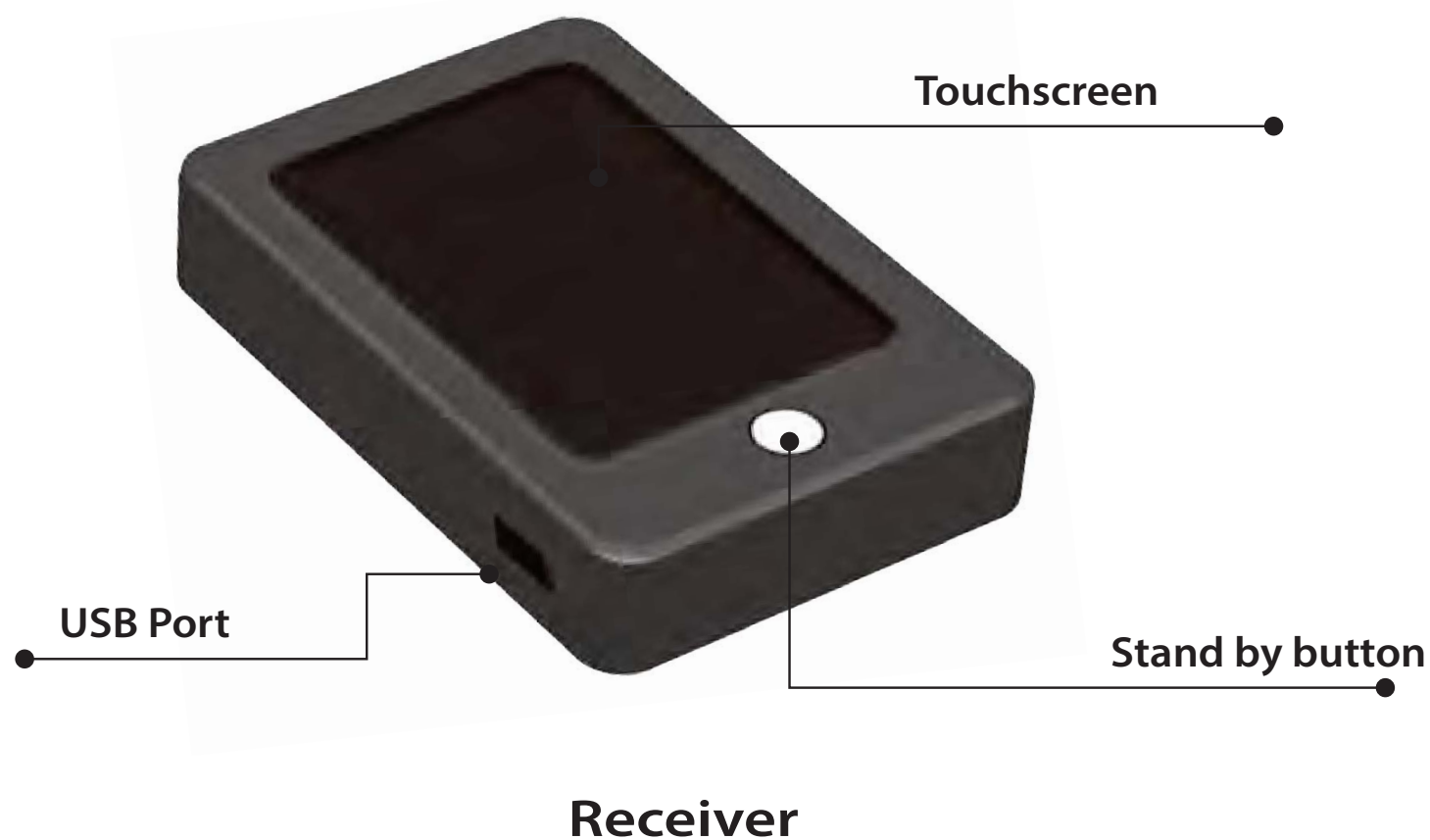
Please read this manual carefully before use this product.

## 1.2 List of Kit Contents

The System Components is comprised of five key parts (receiver, transmitter, patch, USB charging cable and adapter) in two kits (Receiver kit and Sensor kit).

Receiver kit:

- Receiver x 1
- Adapter x 1
- USB charging cable x 1
- User Manual x 1





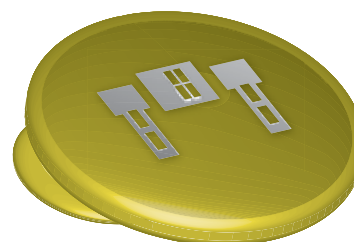
### 1.3 Product and Display

#### Sensor kit:

- Transmitter x 1
- Patch x 14
- User Manual x 1



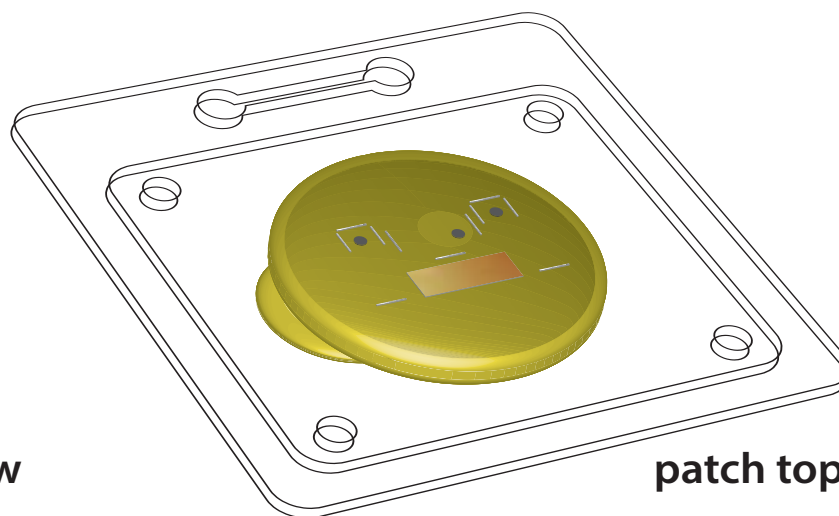
Transmitter top view



patch bottom view




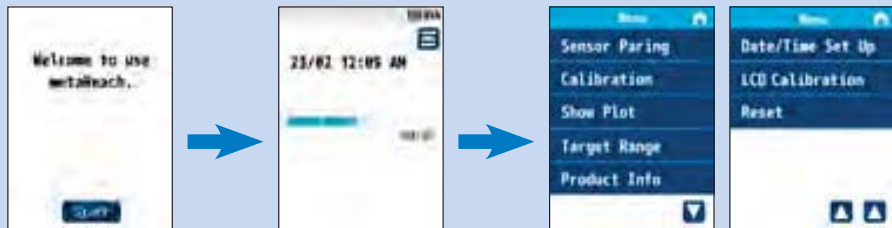

Transmitter bottom view



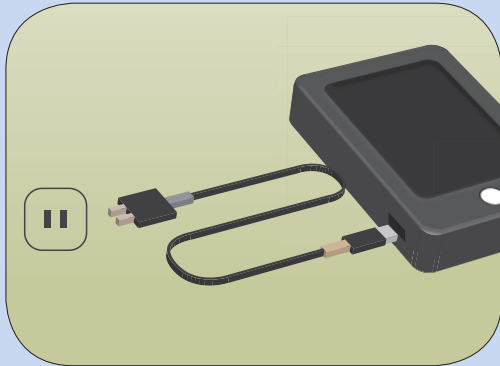


patch top view

## Chapter 2 Start to use metaReach® CGMs

### 2.1 Set Up time for First Time Use


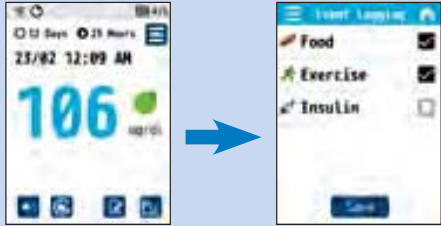
Step	Action
1	 <p>Press the <b>“Stand by”</b> button to wake up the receiver, and set up the <b>“Date and Time”</b>.</p>
2	 <p>Screen will show <b>“Start”</b> button after the <b>“Date and Time”</b> set up completed, and press <b>“Start”</b> button to go main screen. Press the menu icon  can go to the menu screen.</p>

## 2.2 Charging the Receiver Battery

Step	Action
1	<div data-bbox="624 403 1122 770"></div> <p data-bbox="1189 499 1816 683">Insert the Receiver Battery Charging Set into receiver charging part properly. While charging, the battery symbol will change from  to .</p>

## Chapter 3 Functions of Home and Menu Screen





### 3.1 Functions of Home Screen


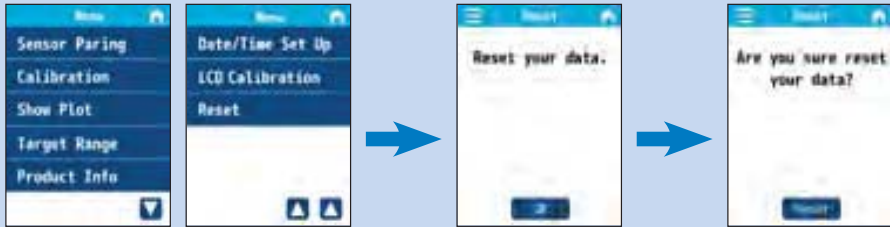
Step	Action
1	 <p>Wake the receiver and go home screen.</p>
2	 <p>If you will like to make notes about Food/Excercise/Insulin, you may go next page of home screen to mark them.</p>

## 3.2 Functions of Menu Screen

Step	Action
1	 <p>Wake the receiver and go home screen. Press the  button to go menu screen.</p>
2	 <p>If you apply sensor, please press the “Sensor Pairing” to pair with new sensor. More details please refer to 5.1 Pairing with the Sensor.</p>

Step	Action
3	<div data-bbox="611 240 1227 469"> </div> <p data-bbox="611 531 1760 619">If you want to calibrate this system, please press “<b>Calibration</b>” to go calibration screen to set up the data.</p> <p data-bbox="611 646 1836 718"><b>Caution:</b> take a fingerstick blood glucose measurement with your blood glucose meter for calibration.</p>
4	<div data-bbox="611 786 1767 1010"> </div> <p data-bbox="611 1074 1787 1161">If you want to see the trend of history, please press “<b>Show Plot</b>” to go history screen.</p>

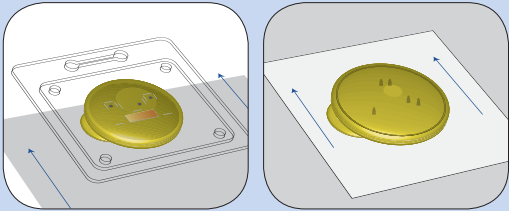
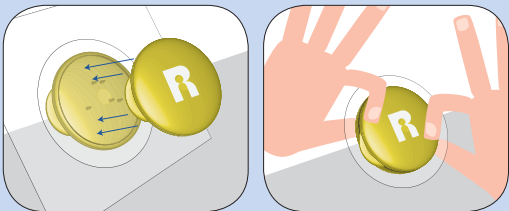
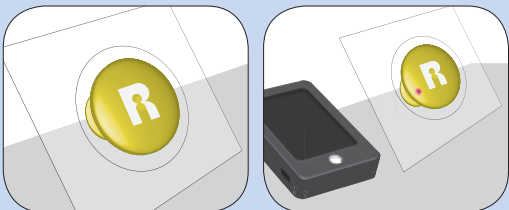
Step	Action
5	<div data-bbox="611 240 1496 469">  </div> <p data-bbox="611 533 1749 624">If you want to set up the target glucose range, please press “<b>Target Range</b>” to go range screen to set up the data.</p> <p data-bbox="611 651 1823 783"><b>Caution:</b> <i>consult your paramedics before setting up the target glucose range.</i>  <b>Caution:</b> <i>if your result is higher or lower than the range, there will be sound and home screen flashing to remind you. If you do not want sound, please press  to be .</i></p>
6	<div data-bbox="611 852 1227 1077">  </div> <p data-bbox="611 1142 1834 1233">If you want to know all information like receiver/sensor's number, please press “<b>Product Information</b>” to go Information screen.</p>



Step	Action
7	 <p data-bbox="609 711 1850 807">If you want to set up date and time, please press the “Date/Time Setting” to go setting screen.</p>
8	 <p data-bbox="609 1173 1758 1212">If you want to clean all data, please press “Reset” to go reset screen.</p> <p data-bbox="609 1248 1736 1284"><b>Caution:</b> <i>be careful about this function, it will clean all data and be Irreversible.</i></p> <p data-bbox="609 1295 1774 1332"><b>Caution:</b> <i>If any problem about this product, please contact with local distributors.</i></p>


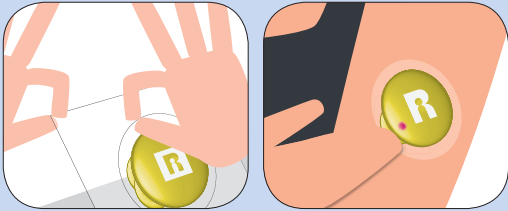
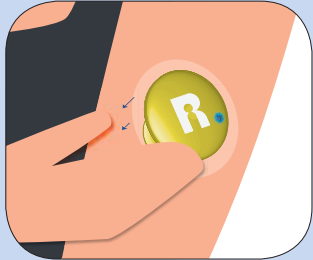


## Chapter 4 Using Your Sensor


### 4.1 Apply Your Transmitter and Patch to be a Sensor

Step	Action	
1		Take out the patch and transmitter.
2		To assemble the patch and transmitter, line up the column of them. Press the surrounding of the sensor.
3		When the sensor is assembled well, you can see the flash blue light.

Step	Action
4	
	<p><b>Pairing with the Sensor</b></p> <p>Open the “<b>Sensor Pairing</b>” page and press the Wireless function in menu screen. Choose the collect sensor, press “<b>Pair</b>” and then “<b>OK</b>” to complete pairing. And also press the “<b>Stand by</b>” button to go back to Home screen.</p>
	<div data-bbox="600 1066 766 1289">  </div> <p>Wireless connecting may take a few seconds</p>

Step	Action
5	 <p>Clean your upper arm with alcohol wipe properly and wait for it dry.</p> <p><b>Caution:</b> <i>the area that patch will be paste must be clean and dry, otherwise it may affect the result and sensor may not stick to the site</i></p>
6	 <p>Peeling the lid off completely.</p>
7	 <p>Place the Sensor over the prepared site and push down firmly to apply the Sensor to your body. When you see the blue light, it means that the sensor is secure.</p>


## 4.2 Check the Glucose Result

Step	Action
1	<div></div> <p><b>Check the Glucose Result</b> Wake up the receiver, and go home screen. The result will automatically show on the home screen.</p> <p><b>Caution:</b> <i>if the sensor is far away from receiver(&gt;6m), the data can not update immediately and will automatically storage. When sensor back to the connect range, the data will auto update.</i></p>

### 4.3 Replace the Patch on the Sensor

Step	Action
1	<div></div> <p><b>Replace the Patch on the Sensor</b> Pull up the edge of the adhesive that keeps your Sensor attached to your skin. Slowly peel away from your skin in one motion.</p> <p><b>Note:</b> <i>Any remaining adhesive residue on the skin can be removed with warm soapy water or isopropyl alcohol.</i></p> <p><b>Caution:</b> <i>the patch will be valid for 1 day, and transmitter can be valid up to 14 days.</i> <i>When 🕒 1 Day show 0 day, please change a new transmitter.</i> <i>When 🕒 2 Hours show Expire, please change a new patch.</i></p>

#### 4.4 Turn off the Receiver

Step	Action
1	 <b>Turn off the Receiver</b> Press the “ <b>Stand by</b> ” button about 7 seconds to turn off the Receiver.

## Chapter 5 Review You Glucose History

### 5.1 Review the Trend of Your Glucose History

Step	Action
1	 <p>Wake the receiver and go home screen.</p>
2	 <p>Press the  button to go trend screen.</p>
3	 <p>Press the  button to go logbook screen.</p>

## *Chapter 6 Caring for Your Receiver and Sensor*

### **6.1 Maintenance and Cleaning of Your Receiver and Sensor**

- If the receiver or transmitter surface get dirty, gently wipe with a cloth slightly dampened or use a alcohol wipe.
- Do not put the receiver under water or any liquid.
- The receiver must be stored at room temperature.
- Wash hands before testing.
- Do not use transmitter and patch that have expired. Check the expiry date printed on the package.
- Immediately use patch and transmitter when you open it.
- Please storage the patch and transmitter between 4-30°C and dry place.
- Do not refrigerate the patch and transmitter.
- Use only metaReach®CGMs supplied parts (including cables and chargers)
- Unauthorized actions may put you at risk, cause the metaReach®CGMs to malfunction.
- Do not replace any applied parts from metaReach®CGMs kit including adapter and cable. The metaReach®CGMs won't work if you mix components from different brands.

If you have any issues about metaReach®CGMs, always contact at:  
[service@richhealthtek.com](mailto:service@richhealthtek.com)



## 6.2 Disposal

- This product should be disposed of in accordance with all applicable local regulations related to the disposal of electronic equipment, batteries, and materials potentially exposed to body fluids.

## Chapter 7 Performance

### 7.1 Performance

The accuracy of the metaReach®CGMs was assessed by comparing blood glucose results obtained by patients with those obtained using clinical analyzer. The following results were obtained by 94 test numbers.

Slope=0.8

y-intercept (mg/dL)=24.7 (mg/dL)

Correlation Coefficient ( $R^2$ )=0.79

Test number (n)=94

Test range (mg/dL)=72-213 (mg/dL)

## Chapter 8 Troubleshooting

If you have any issues about metaReach®CGMs, always contact at:  
[service@richhealthtek.com](mailto:service@richhealthtek.com)

## **Chapter 9 System Specification**

### **9.1 Receiver Specifications**

**Receiver Product No. WN-1A1-0021-01**

**Glucose assay range:** 40 to 400 mg/dL

**Receiver size:** Length: 4.2 inches, Width: 2.5 inches, Thickness: 0.55 inches

**Receiver weight:** 100 grams

**Receiver power source:** One rechargeable battery (3V-4.2V)

**Receiver battery life:** 4 days of typical use

**Receiver memory:** 30 days of typical use

**Receiver operating temperature:** 10 °C to 40 °C

**Receiver storage temperature:** -20 °C to 60 °C

**Operating and storage relative humidity:** 10-75%, non-condensing

**Receiver water resistance:** IP22

**Receiver moisture protection:** Keep dry

**Operating and storage altitude:** 0 to 3,048 meters (10,000 ft)

**Radio Frequency:** 2.402 – 2.480 GHz

**Mean service life:** 1 years of typical use

**Power Adapter:** Operating temperature: 10 °C to 40 °C

## 9.2 Sensor Specifications

**Transmitter product no. WN-1A1-0042-11, Patch product no. WN-1A1-0032-11**

**Sensor glucose reading range:** 40 to 400 mg/dL

**Sensor size:** 8.15 mm height and 26.1 mm diameter

**Sensor weight:** 6 grams

**Sensor power source:** One Manganese Dioxide–Li/Organic Electrolyte  
2.2V–3.3V (not replaceable)

**Sensor life:** Up to 7 days

**Sensor memory:** 9 hours (glucose readings stored every 5 minutes)

**Operating temperature:** 10 °C to 40 °C

**Sensor storage temperature:** 4 °C to 30 °C

**Operating and storage relative humidity:** 10-75%, non-condensing

**Sensor water resistance:** IP22

**Operating and storage altitude:** 0 to 3,048 meters (10,000 ft)

**Protection Against Electrical Shock:** Type BF applied part

### 9.3 Adapter Information

**Supplier:** Unifive Technology

**Model No.:** UMB305-0510

**Input:** AC100-240V, 50/60Hz, 0.16-0.12A

**Output:** DC 5V 1A

### 9.4 Electromagnetic Compatibility

- The System needs special precautions regarding EMC and needs to be installed and put into service according to the EMC information provided in this manual.
- Portable and mobile RF communications equipment can affect the System.
- The use of accessories, transducers and cables other than those specified by RichHealth Technology Corporation may result in increased EMISSIONS or decreased IMMUNITY of the System.
- The System should not be used adjacent to or stacked with other equipment and that if adjacent or stacked use is necessary, the System should be observed to verify normal operation in the configuration in which it will be used.

### **Manufacturer's declaration-electromagnetic emissions**

The System is intended for use in the electromagnetic environment (for home and professional healthcare) specified below.

The customer or the user of the System should assure that it is used in such an environment.

<b>Emission test</b>	<b>Compliance</b>	<b>Electromagnetic environment-guidance (for home and professional healthcare environment)</b>
RF emissions CISPR 11	Group 1	The System uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.
RF emissions CISPR 11	Class B	
Harmonic emissions IEC 61000-3-2	Class A	
Voltage fluctuations /flicker emissions IEC 61000-3-3	Compliance	The System is suitable for use in all establishments, including domestic establishments and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.

### Manufacturer's declaration-electromagnetic emissions

The System is intended for use in the electromagnetic environment (for home and professional healthcare) specified below.

The customer or the user of the System should assure that it is used in such an environment.

Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment-guidance (for home and professional healthcare environment)
Electrostatic discharge(ESD) IEC 61000-4-2	Contact:±8 kV Air±2 kV,±4 kV, ±8 kV,±15 kV	Contact:±8 kV Air±2 kV,±4 kV, ±8 kV,±15 kV	Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30%
Electrical fast transient/burst IEC 61000-4-4	+ 2kV for power supply lines + 1kV for input/output lines	+ 2kV for power supply lines Not applicable	Mains power quality should be that of a typical home healthcare environment.
Surge IEC 61000-4-5	+ 0.5kV, +1kV line(s) to line(s) + 0.5kV, +1kV,+ 2kV line(s) to earth	+ 0.5kV, +1kV line(s) to line(s) Not applicable	Mains power quality should be that of a typical home healthcare environment.

Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment-guidance (for home and professional healthcare environment)
Voltage Dips, short interruptions and voltage variations on power supply input lines IEC 61000-4-11	Voltage dips: 0 % UT; 0,5 cycle 0 % UT; 1 cycle 70 % UT; 25/30 cycles  Voltage interruptions: 0 % UT; 250/300 cycle	Voltage dips: 0 % UT; 0,5 cycle 0 % UT; 1 cycle 70 % UT; 25/30 cycles  Voltage interruptions: 0 % UT; 250/300 cycle	Mains power quality should be that of a typical home healthcare environment. If the user of the System requires continued operation during power mains interruptions, it is recommended that the System be powered from an uninterruptible power supply or a battery.
Power frequency(50, 60 Hz) magnetic field IEC 61000-4-8	30 A/m 50 Hz or 60 Hz	30 A/m 50 Hz	The System power frequency magnetic fields should be at levels characteristic of a typical location in a typical home healthcare environment.
NOTE UT is the a.c. mains voltage prior to application of the test level.			




### **Manufacturer's declaration-electromagnetic emissions**

The System is intended for use in the electromagnetic environment (for home and professional healthcare) specified below.

The customer or the user of the System should assure that it is used in such an environment.

<b>Immunity test</b>	<b>IEC 60601 test level</b>	<b>Compliance level</b>	<b>Electromagnetic environment-guidance (for home and professional healthcare environment)</b>
Conducted RF IEC 61000-4-6	3 Vrms: 0,15 MHz – 80 MHz 6 Vrms: in ISM and amateur radio bands between 0,15 MHz and 80 MHz  80 % AM at 1 kHz	3 Vrms: 0,15 MHz – 80 MHz 6 Vrms: in ISM and amateur radio bands between 0,15 MHz and 80 MHz  80 % AM at 1 kHz	Portable and mobile RF communications equipment should be used no closer to any part of the System including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter.

Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment-guidance (for home and professional healthcare environment)
Radiated RF IEC 61000-4-3	10 V/m 80 MHz – 2,7 GHz 80 % AM at 1 kHz	10 V/m 80 MHz – 2,7 GHz 80 % AM at 1 kHz	<p>Recommended separation distance:  <math>d = 1,2 \sqrt{P}</math>  <math>d = 1,2 \sqrt{P}</math> 80MHz to 800 MHz  <math>d = 2,3 \sqrt{P}</math> 800MHz to 2,7 GHz</p> <p>Where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and d is the recommended separation distance in metres (m).</p> <p>Interference may occur in the vicinity of equipment marked with the following symbol: </p>
<p>NOTE 1 At 80 MHz and 800 MHz, the higher frequency range applies.</p> <p>NOTE2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.</p>			

**Recommended separation distance between  
portable and mobile RF communications equipment and the System**

The System is intended for use in an electromagnetic environment (for home and professional healthcare) in which radiated RF disturbances are controlled. The customer or the user of the System can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the System as recommended below, according to the maximum output power of the communications equipment.

Rated maximum output power of transmitter W	Separation distance according to frequency of transmitter		
	150 kHz to 80 MHz $d = 1,2\sqrt{P}$	80 MHz to 800 MHz $d = 1,2\sqrt{P}$	800 MHz to 2,7 GHz $d = 2,3\sqrt{P}$
0,01	0,12	0,12	0,23
0,1	0,38	0,38	0,73
1	1,2	1,2	2,3
10	3,8	3,8	7,3
100	12	12	23

*For transmitters rated at a maximum output power not listed above, the recommended separation distance  $d$  in meters (m) can be estimated using the equation applicable to the frequency of the transmitter, where  $p$  is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer.*

*NOTE1 At 80 MHz and 800 MHz, the separation distance for the higher frequency range applies.*

*NOTE2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.*

### Manufacturer's declaration-electromagnetic immunity

#### Test specifications for ENCLOSURE PORT IMMUNITY to RF wireless communications equipment

The System is intended for use in the electromagnetic environment (for home and professional healthcare) specified below.

The customer or the user of the System should assure that it is used in such an environment.

Test frequency (MHz)	Band <sup>a)</sup> (MHz)	Service <sup>a)</sup>	Modulation <sup>b)</sup>	Maximum power (W)	Distance (m)	IMMUNITY TEST LEVEL (V/m)	Compliance LEVEL (V/m) (for home and professional healthcare)
385	380 – 390	TETRA 400	Pulse modulation <sup>b)</sup> 18 Hz	1,8	0,3	27	27
450	430 – 470	GMRS 460, FRS 460	FM <sup>c)</sup> ±5 kHz deviation 1 kHz sine	2	0,3	28	28
710	704 – 787	LTE Band 13, 17	Pulse modulation <sup>b)</sup> 217 Hz	0.2	0,3	9	9
745							
780							
810	800 – 960	GSM 800/900, TETRA 800, iDEN 820, CDMA 850, LTE Band 5	Pulse modulation <sup>b)</sup> 18 Hz	2	0,3	28	28
870							
930							

Test frequency (MHz)	Band <sup>a)</sup> (MHz)	Service <sup>a)</sup>	Modulation <sup>b)</sup>	Maximum power (W)	Distance (m)	IMMUNITY TEST LEVEL (V/m)	Compliance LEVEL (V/m) (for home and professional healthcare)
1 720	1700 –1990	GSM 1800; CDMA 1900; GSM 1900; DECT; LTE Band 1, 3, 4, 25; UMTS	Pulse modulation <sup>b)</sup> 217 Hz	2	0,3	28	28
1 845							
1 970							
2 450	2400 –2570	Bluetooth, WLAN, 802.11 b/g/n, RFID 2450, LTE Band 7	Pulse modulation <sup>b)</sup> 217 Hz	2	0,3	28	28
5 240	5100 –5800	WLAN 802.11 a/n	Pulse modulation <sup>b)</sup> 217 Hz	0.2	0,3	9	9
5 500							
5 785							

NOTE If necessary to achieve the IMMUNITY TEST LEVEL, the distance between the transmitting antenna and the ME EQUIPMENT or ME SYSTEM may be reduced to 1 m. The 1 m test distance is permitted by IEC 61000-4-3.

a) For some services, only the uplink frequencies are included.

b) The carrier shall be modulated using a 50 % duty cycle square wave signal.

c) As an alternative to FM modulation, 50 % pulse modulation at 18 Hz may be used because while it does not represent actual modulation, it would be worst case.

## 9.5 Federal Communications Commission (FCC) Requirements

### 9.5.1 The metaReach® CGMs covered by this user manual are under FCC ID:

- Transmitter: 2AR59-A01-RH0000001
- Receiver: 2AR59-B01-RH0000001

### 9.5.2 FCC Statement

15.19

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 of the device.

15.21

You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

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 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.

### **9.5.3 FCC RF Radiation Exposure Statement**

- This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
- For body worn operation, this device has been tested and meets FCC RF exposure guidelines. When used with an accessory that contains metal may not ensure compliance with FCC RF exposure guidelines.

## *Chapter 10 Cautions, Contraindications and Warning*

### **CAUTIONS**

- Do not use the metaReach®CGMs if its sterile package has been damaged or opened. Using a non-sterile patch or transmitter might cause infection.
- Do not open the patch or transmitter package until you have washed your hands with soap and water, and let them dry. You may contaminate the insertion site and suffer an infection if you have dirty hands while inserting the sensor.
- Do not insert the sensor until you have cleaned the skin near the insertion site with an alcohol wipe.
- Using patch might cause allergic reaction, please consult paramedics before using it.
- Do not discard your transmitter. It is reusable. The same transmitter is used up to 14 days.
- The patch will be valid for 1 day, and transmitter can be valid up to 14 days.
- Do not refrigerate the patch and transmitter, and keep the kit away from sunlight.
- Do not replace any applied parts from metaReach®CGMs kit including adapter and cable. The metaReach®CGMs won't work and cause risks if you mix components from different brands.
- Do not use transmitter and patch that have expired. Check the expiry date printed on the package.







- Do not use transmitter and patch while bathing or activities which can cause a lot of sweat (ie. swim).
- Do not place patch on exact the same area on the upper arm.

#### **CONTRAINDICATIONS and WARNING**











- Do not wear the metaReach®CGMs (patch, transmitter, and receiver) during Magnetic Resonance Imaging (MRI), Computed Tomography (CT) scan, or high-frequency electrical heat (diathermy) treatment.
- Do not allow young children to hold the sensor or transmitter without adult supervision. The sensor and transmitter include small parts that may pose a choking hazard.
- Immediately use patch and transmitter when you open it.
- Please storage the patch and transmitter between 4-30°C and dry place.
- If the sensor is far away from receiver (>6 m), the data cannot update immediately and will automatically storage. Wireless communication does not work well through water so the range is much less if you are in a pool.
- Unauthorized actions may put you at risk, cause the metaReach®CGMs to malfunction.
- Calibration process is not needed. If you want to calibrate metaReach®CGMs system, please press calibration button to set up the data. Take a fingerstick blood glucose measurement with your blood glucose meter for calibration.
- Do not use metaReach®CGMs in critically sick patients.












- Do not use metaReach®CGMs receiver while charging. It is no function while charging.
- Don't plug into a computer port to charge.
- Don't use an external USB hub; it doesn't provide enough power to charge battery.
- Battery can only be charged using the adapter/wall charger.
- Stop using metaReach®CGMs when malfunctional issues or allergic reactions happen.
- Misuse of the USB cable can present a strangulation risk.
- If abnormal behavior is observed due to EM disturbances, please relocate the device accordingly.


## Chapter 11 Events icons information

Icons	What it means	What you do
	The icon shall be in orange color and flashing if the patch's lifetime is less than 2 hours.	Wait till the patch's lifetime to be expired, or replace with a new patch.
 <b>1 Day</b>	The color of the indicator shall be in orange and flashing if the transmitter lifetime is less than 1 day.	Replace with a new transmitter.
 <b>Expire</b>	The icon shall be in orange color and flashing if the Patch's lifetime is expired.	Replace with a new patch.
 <b>20%</b>	When the receiver battery level is below 10%, the battery level icon shall be displayed in orange color and flashing.	Use the USB cable with the AC adapter to charge the receiver.

## Chapter 12 Symbol Information

Symbol	Title
	MANUFACTURER
	EC REP AUTHORISED REPRESENTATIVE IN THE EUROPEAN COMMUNITY
	CE MARK
	CONSULT INSTRUCTIONS FOR USE
	CAUTION
	KEEP AWAY FROM SUNLIGHT
	KEEP DRY
	BATCH CODE
	USE BY DATE
	SERIAL NUMBER

	CATALOGUE NUMBER
	DO NOT REUSE
	STERILISED USING IRRADIATION
	STERILISED USING E.O.
	TYPE BF APPLIED PART
	THE WEEE SYMBOL, SEPARATE COLLECTION FOR ELECTRICAL AND ELECTRONIC EQUIPMENT
	DO NOT USE IF PACKAGE IS DAMAGED
	DATE OF MANUFACTURE
	TEMPERATURE LIMIT
	HUMIDITY LIMITATION
	NON-IONIZING RADIATION

<b>IP22</b>	IP22: Protection Against Insertion of Large Objects and Dripping Water
	DIRECT CURRENT



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## NCC 警語

◆ 根據 NCC 低功率電波輻射性電機管理辦法規定：

第十二條 經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得

擅自變更頻率、加大功率或變更原設計之特性及功能。

第十四條 低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。前項合法通信，指依電信法規定作業之無線電通信。低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性

電機設備之干擾。

◆ 減少電磁波影響，請妥適使用。

◆ 使用過度恐傷害視力

(1) 使用30分鐘請休息10分鐘。

(2) 未滿2歲幼兒不看螢幕，2歲以上每天看螢幕不要超過1小時。