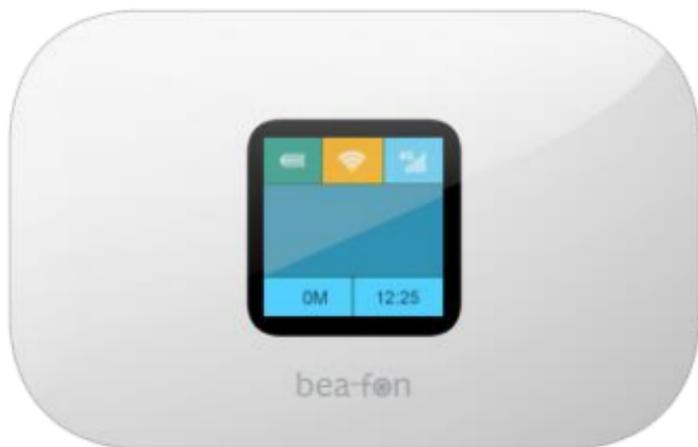# bea-fon MR1

Quick guide

Getting started

Dear MR1 Owner,
Thank you for purchasing the Bea-fon MR1 LTE router.

Read the user manual carefully before using the device for the first time to ensure safe and proper use.
The Bea-fon Team hopes you have fun and enjoy using your new router.

Note:
This manual explains the basic operation of the LTE router. You can configure your router by logging in to the web graphical user interface and clicking on the help icon at the top right.

For your safety

Read these simple guidelines. Failure to observe these rules can have harmful consequences or contravene regulations.

Do not turn on the phone if the use of mobile phones is prohibited or may cause interferences or danger.

Traffic safety

Do not use your phone when driving a vehicle.

Turn off the phone during a flight

Mobile phones can cause interferences with aircraft systems.

Turn off the phone in hospitals

Follow all rules and regulations. Turn off the phone near medical equipment.

Turn off the phone at petrol stations

The mobile phone must be turned off in the vicinity of filling stations and other places with explosive goods.

Interferences

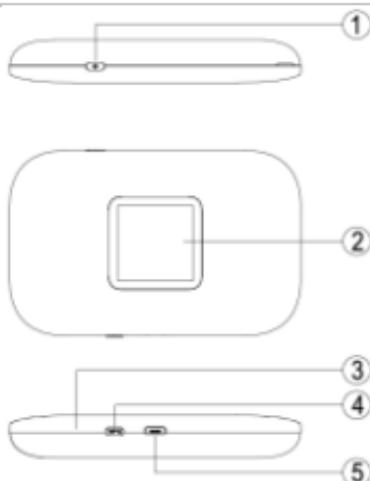Mobile routers can cause interferences that may affect their performance.

- Some electronic devices are susceptible to electromagnetic interference. Keep the router as far away as possible from TV sets, radios and other electronic devices to avoid electromagnetic interference.
- Stay at least 20 centimetres away from the router.
- Do not use the router in hazardous environments such as oil harbours or chemical factories where it can be exposed to explosive gases or products.
- Only use original accessories. Unauthorised accessories may affect the router's performance, damage the router or pose a risk to people nearby.
- Do not attempt to disassemble the router.
- Do not expose the router and accessories to liquids or moisture. Do not immerse the router in liquids.
- Do not place any objects on the router. Otherwise, the device may get too hot.
- The device must be used in a well-ventilated area.
- Do not expose the router to direct sunlight or store it in hot places. High temperatures shorten the life of electronic devices.
- Do not allow children to play with the router or the charger.
- The length of the cable connecting the router

- and the terminal device should not exceed 10 metres.
- The router is intended for indoor use only. Never operate the router outdoors. Do not connect any extensions that are used outdoors. Lightning may damage the device.
- Plug-in accessories should be within easy reach of the mains connection when in operation.
- Use antistatic material to clean the router. Do not use chemical or abrasive cleaners that can damage the plastic housing. Power off the router before cleaning.
- The router should be operated at temperatures between -10 °C and +55 °C and stored at -40 °C to +70 °C with relative humidity between 10% and 95%.
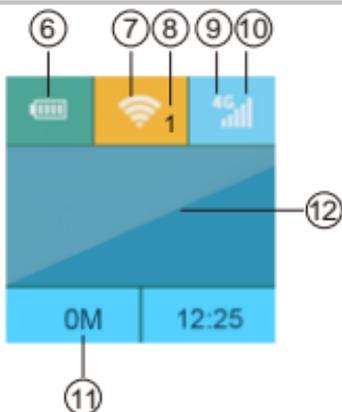- Do not operate the router during thunderstorms. Disconnect the power adapter from the mains.

LTE router overview

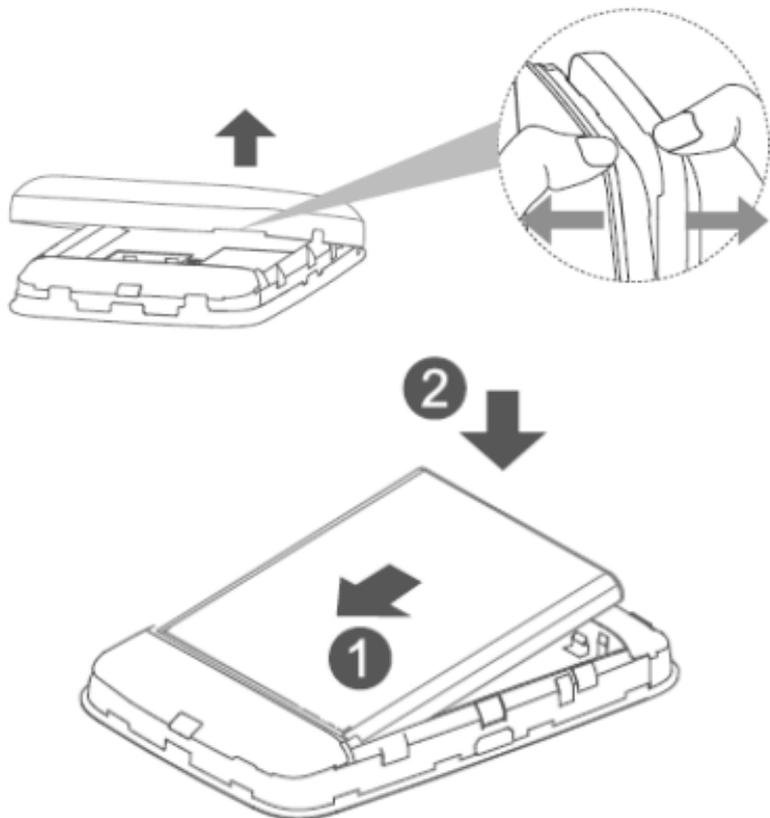|	
1. On/off button 2. LCD screen 3. Reset button (internal) 4. WPS button 5. Micro USB	

Information on the LCD screen

6. Battery indicator 7. Wi-Fi indicator 8. Number of users 9. Network type indicator 10. Signal strength indicator 11. Data transfer 12. Name of the network provider	

Inserting the SIM card and battery

1. Switch off your router.
2. Remove the cover on the rear of the device and the battery.
3. Insert the SIM card correctly into the card slot.
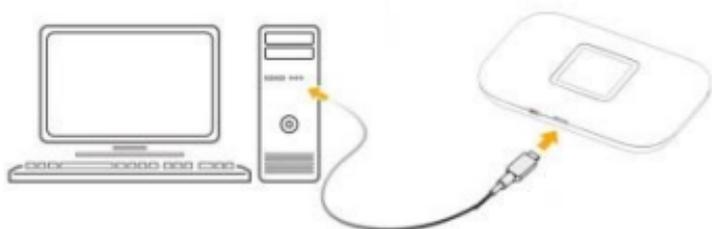4. Insert the battery and replace the cover.

Note:
DO NOT remove the LTE SIM card when the router is on, as this may damage the card and router.

Setting up a Wi-Fi connection

Step 1: Switch on your router.
Step 2: Set up the Wi-Fi or cable connection as explained below.
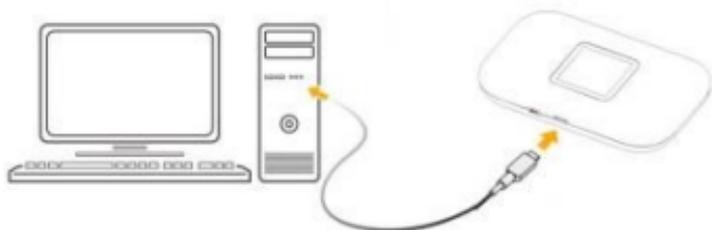

Step 3: Connect to the Internet.

I. Switching on the router

Press and hold the on/off button until the screen lights up. Wi-Fi will turn on.

II. Setting up a Wi-Fi or cable connection

1. Set up the Wi-Fi or cable connection as explained below.

2. Ensure the Wi-Fi function of the LTE router is enabled.
3. Select Start > System Control > Network Connections > Wireless Network Connection.
4. To view a list of available Wi-Fi networks, click on "View available wireless networks".
5. Select the wireless network connection with the SSID of the LTE router and click "Connect". If the security feature is activated, you must enter the correct network key. The SSID and network key can be found on the back of the router's battery cover.

Note: How to change the SSID and password

1. Log in to http://192.168.1.1 (see the nameplate on the device) and access the

administration page.

2. Select Settings > Wi-Fi Settings > Basic Settings, and then you will see "Network Name (SSID)" and "Wi-Fi Password". Be sure to change the old name and password and come up with the new name and password as required.
3. Select "Apply" and log out.
4. Wait until the Wi-Fi icon appears on the computer or laptop screen. This indicates a successful wireless connection.

III. Connecting to the Internet

With the Wi-Fi function enabled, your device should automatically connect to the Internet.

IV. Logging in to the device management website

1. Ensure the end-user device is connected to your router.
2. Open the browser, enter http://192.168.1.1 (see the nameplate on the device) in the address field.
3. Enter the user name and password and then click "Log in". The administrator is authorised to check and change configuration permissions.

Note: The default password are **the last 5 digits of IMEI no** and user name is **admin**.

Charging up your router

1. Method: Charging via the power adapter.
1. Use a compatible power adapter (5 V, 1000 mA, not included).
2. The power adapter is a selected accessory.

2. Method: Charging via a PC or laptop. Connect your router to the PC or laptop using a suitable cable.

Note: If the router has not been used for a long time, remove the battery and charge it before using it again.

USB storage device

Connect the router to the PC using a data cable. When the PC recognises the router's SD card, it functions as a USB storage device.

Restore factory settings

If you are unsure which Wi-Fi settings you have configured or changed, you can reset your router to factory defaults and reconfigure its Wi-Fi settings.

➢ Log in to the device management website to restore the factory settings.
➢ To do this, press and hold the reset button for 5 seconds, and the router will be restarted and reset to factory defaults.

Note: Pressing the reset button erases all custom Wi-Fi settings on the device and resets the administrator and Wi-Fi settings to factory defaults.

Specifications

Network:	3G: 900/2100 4G: B1/3/7/8/20/28
Wi-Fi (2.4 GHz)	802.11b/g/n
Battery:	Li-ion 3.8 V - 2050 mAh
Dimensions:	100 x 63.5 x 14.6 mm
SIM card:	Mini SIM
Memory card:	Micro SD
Standby time:	Up to 24 hours*
Active	Up to 8 hours*

* Battery life depends on the SIM card, network, applied settings, usage, and the environment.

Transmission power

WCDMA 900	1.570 W
WCDMA 2100	0.250 W
LTE B1	0.397 W
LTE B3	0.394 W
LTE B7	0.315 W
LTE B8	0.314 W
LTE B20	0.315 W
LTE B28	0.316 W
Wi-Fi 2.4 GHz	0.096 W

Troubleshooting

If you experience problems with your router, here is what you can do to eliminate them:

1. Check the frequently asked questions on the device management website by clicking on the Help icon at the top right.
2. If the router does not respond, press and hold the reset button for about 5 seconds to restart it.
3. Restore factory settings

Note:

1. Attention: The new battery may explode if it is incompatible or unapproved. Ensure used batteries and accumulators are disposed of according to the manufacturer's instructions.
2. Router may only be connected via a USB 2.0 interface.
3. The power adapter must be located near the device and within easy reach.
4. Do not use the device at temperatures below -10 °C or above 60 °C or a humidity of more than 90%.
5. The plug acts as a disconnect device of the power adapter.

Declaration of Conformity:

This phone model meets the requirements for electromagnetic fields.

The SAR (Specific Absorption Rate) regulates a standard value of 2.0 W/kg averaged over

10 grams of tissue for the body, and this type of device has a test value of 1.87 W/kg that complies with Radio Equipment Directive (RED) 2014/53/EU. The SAR values may vary depending on national regulations and the network band.

You can download a copy of the declaration of conformity at any time from our home page at: http://beafon.com/service/certification/

The router can be used in the following countries:

AT	BE	BG	HR	CY	CZ	DK
EE	FI	FR	DE	EL	HU	IE
IT	LV	LT	LU	MT	NL	PL
PT	RO	SK	SI	ES	SE	UK

RoHS approval

This device complies with EU Directive 2011/65/EU (RoHS II) on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

WEEE approval

The crossed out wheeled bin symbol found on the product, battery, packaging material, and in the documentation means that electrical and electronic products, batteries, and rechargeable batteries should be disposed of separately from your household waste at their end-of-life. This regulation is in force in the European Union. Do not dispose of these products with the unsorted household waste

Disclaimer

- Bea-fon Mobile GmbH shall not bear any liability for any relevant, indirect, special, incidental, or inevitable injuries caused by using this product, including injuries that can be predictable or not.
- We assume no responsibility or liability for any losses due to natural disasters (e.g. earthquakes, floods, etc.) or other incidents or accidents (including intentional or accidental misuse by the manufacturer in the context of such accidents or other unusual circumstances) that are beyond our scope of liability.

Warranty

The 24-month warranty period begins on the date of purchase of the device.
The 6-month warranty period applies to accessories from the date of purchase.

More information

If you have any questions or would like to learn more about one of our devices, feel free to contact us or visit our website www.beafon.com.

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Enzing 4
Austria

The up-to-date operating instructions are available for download on the Bea-fon website www.beafon.com/produkt/modell-mr1/.

We reserve the right to make technical changes without prior notice.

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