Wi-MM BP100 Users Manual   (Page1)

The Wi-MM BP100 is a cloud based activity monitor for bicyclists. You get on the bike, BP100 knows you're there, gathers your data, and uploads it to the cloud in real time. You focus on enjoying your ride and the cycling experience, knowing all of the data is there for you, all the time. No more post-ride downloads or adding and removing hardware from your bike. The anti-theft element of the BP100 system has the potential to entirely change the mindset of how often you use your bike or even what kind of bike is purchased.

Mount the BP100 to the bicycle at the water bottle site using the M5 tamper resistant screws provided.

Register the BP100 at www.wi-mm.com and install the mobile phone app. The mobile app is the primary interface for setting and controlling the BP100 system.

The BP100 should be charged before use. Charging is through the micro-USB port. The BP100 can be connected to a wall charger, computer, or other USB standard port with +5V power for charging. The second light from the bottom (orange) will be solid orange when the charger is plugged in. The light will turn off when the unit is fully charged. If the battery is fully depleted, charging time can be up to 4 hours.

Wi-MM BP100 Users Manual   (Page2)

USB Charging Port

Soft Reset Button

GPS (Yellow).
Blinks when the unit is awake and GPS is active.

Lock (Red)
When the alarm is set (on) this light will blink

Battery (Orange)
Solid when the unit is charging (connected to USB)
Off when the battery level is OK
Blinking when the battery level is low

Logging & Mapping (Green)
Blinks when the BP100 is logging and mapping a ride.

Wi-MM BP100 Users Manual   (Page3)

Operation is automatic or set using the mobile app. The unit must be "awake" (i.e. yellow light flashing) to immediately process new commands. Alternately, commands such as set alarm, or start logging can be entered when the unit is "asleep", and the command will be processed the next time the BP100 wakes up.

Log in to the Wi-MM app on the mobile phone with the email address and password used for registering.

App function for icons (left to right) are:

ID

This button will lead to the display showing information about the BP100 and registered user.

Locate

Pressing this button will show the bike location one time on a map.

Log & Map

Pressing this button activates continuous logging and mapping. The system maps the ride and records speed, elevation, battery charge, and other custom bike sensor data. This information is available locally on the mobile phone or remotely in real time as the ride is underway. After completing the ride, logging and mapping is stopped by pressing the same icon. The display will zoom out and map markers will indicate start (green) and stop (red) points. A blue line will show the path travelled. Ride data, including history is available on the mobile phone or through the web interface accessed by logging into the user account at www.wi-mm.com. Additional information such as calories burned and carbon offsets are including in the web interface. Data can also be uploaded to third party apps such as Strava.

Alarm:

The alarm is set by pressing the lock icon on the mobile app. The lock icon will close and turn red. If the bike is moved, an audible alarm will sound and the user will receive a text message and email indicating suspicious activity. Others can be automatically informed of a stolen bike by opting in to several options available at the Wi-MM website registration portal. The alarm function is turned off by pressing the same icon once. After a few seconds the lock will open and the icon will turn from red to off (gray).

Wi-MM BP100 Users Manual   (Page4)

Sound Alarm:

Pressing the right most button with the speaker icon will manually sound the alarm one time and display the bike location on the map .

For battery savings, the BP100 will shut down (deep sleep mode) all non-essential functions if it is not moved for about 5 minutes (default). The BP100 automatically wakes up by sensing motion. The bike mounted BP100 is ready for use once the yellow GPS light is flashing continuously.

The alarm function is still active, even when the BP100 is in deep sleep. The user can park the bike, set the alarm, and have the security of knowing that the system will automatically wake upon movement, sound the alarm, and provide text and email notifications of tampering, weeks or even months later.

The BP100 can be reset to factory installed firmware by holding the reset button for about five seconds and then releasing. After a two tone sound, all lights will flash and the system will restart.

The restart process may take up 30-60 seconds as the system connects to the cellular network and acquires the GPS signal. The restart process is complete when the unit beeps once and the GPS light (Yellow) begins to flash continuously.

Wi-MM BP100 Users Manual   (Page5)

REGULATORY NOTICE

This equipment is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government and Industry Canada.

The exposure standard employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit relevant for the application described in this manual is 1.6W/kg.

Tests for SAR are conducted using standard operating positions accepted by the FCC with the device transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the equipment while operating can be well below the maximum value. This is because the device is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

Equipment Authorization has been granted to this model with the reported SAR level(s) evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this equipment is on file with the FCC and can be found under the Display Grant section of www.fcc.gov/oet/ea/fccid after searching on the FCC ID as printed on the equipment.

This equipment has been tested to comply with FCC and IC radiation exposure limits set forth for an uncontrolled environment when used for the documented intended purpose and when mounted and operated as shown in this user manual. The equipment has been tested for a minimum distance of 30mm between the device and the human body.