

QR Controller User Manual

Revision 1

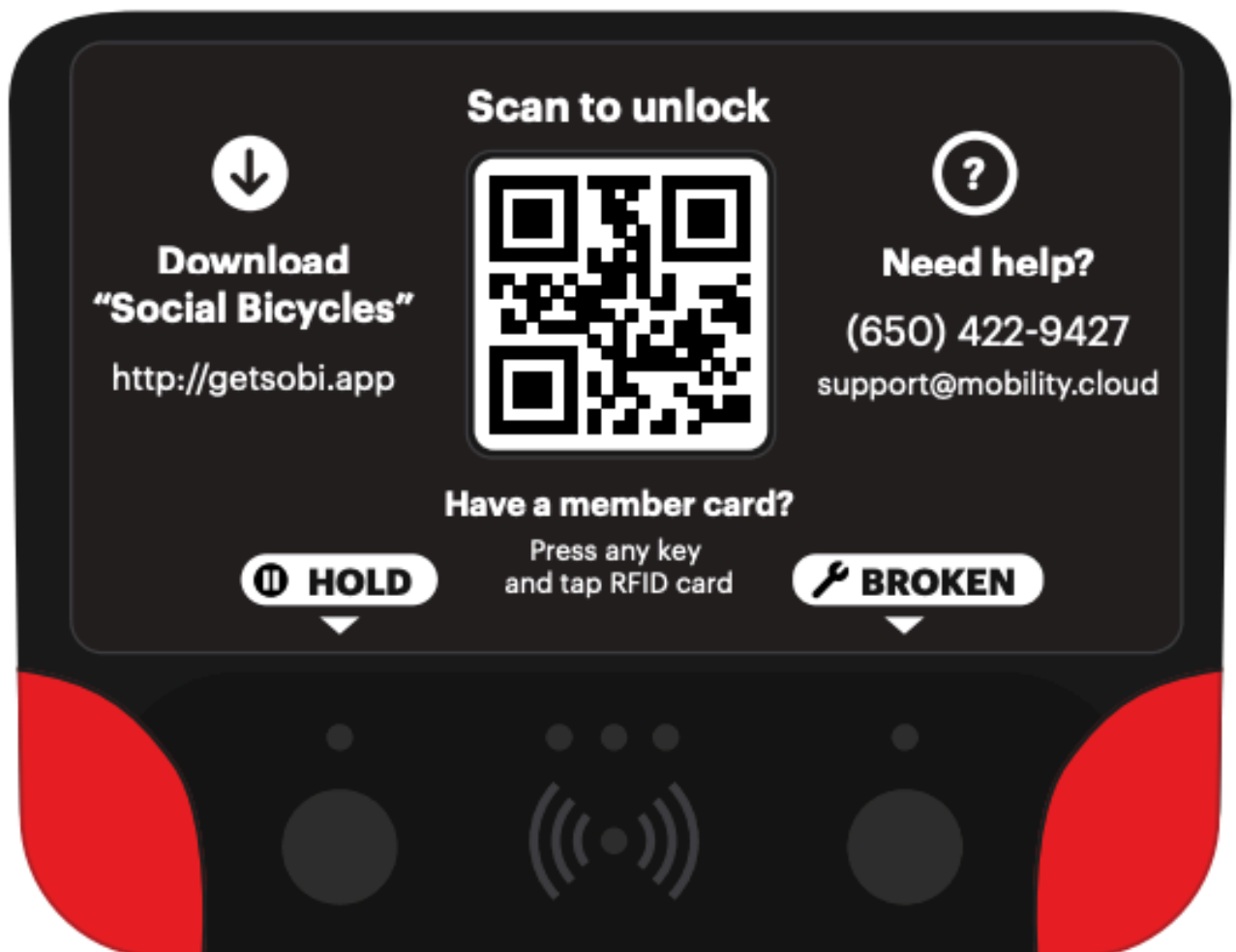
April 1, 2021

Notes

QR Controller is an electronics module that allows for user interaction with a pedal and electric bicycle, and communicates the bike state and location to the server using a cellular connection.

Instructions

QR Controller has following user interface:



The two large circles are capacitive touch buttons intended for users to interact with the device. The left button puts a ride on hold, the right button reports issues with the bike, and all buttons wake up the module. The three small LEDs in the middle are use for status indication of the bicycle. The area in the middle is where the RFID antenna is located, and allows to start rental using RFID card.

Accessory List

No accessories are to be used with this device.

Accessory Specification

No accessories are to be used with this device.

Declarations

Users are strictly forbidden to change the equipment. The socket-outlet shall be installed near the equipment and shall be easily accessible. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

Safety Precautions

Do not open the device unless you are explicitly authorised to do so and trained how to do so by MobilityCloud personnel.

Operating Conditions

This device is intended for use between -10 °F (-23.3 °C) and 130 °F (54.4 °C).

Electrical Notes

Description	Specification	Notes
Input Voltage	3.7V	System is powered from 3.7V external battery.
Operating Current	3A MAX	
Typical power draw	7W	

FCC caution

Federal Communication Commission (FCC) Radiation Exposure Statement. When using the product, maintain a distance of 30 cm from the body to ensure compliance with RF exposure requirements. FCC statements: 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. NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorised modifications or changes to this equipment. Such modifications or changes could void the user's authority to operate the equipment.

