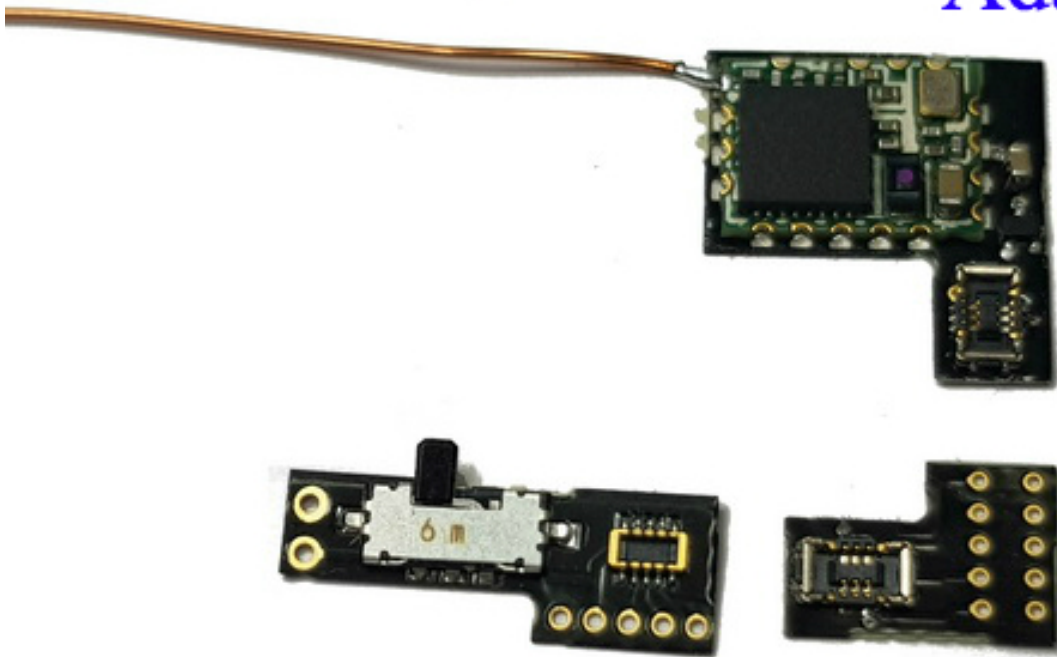


# EVO-B PRO User Manual

## EVO-B PRO

 **Bluetooth**<sup>®</sup> Adapter



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Because this waiver may not be effective in some jurisdictions, this waiver may not apply to you. You acknowledge that you have read this agreement, that you understand it, that you agree to be bound by its terms, and that this is the complete and exclusive statement of the agreement between you and MyCardReader.com regarding the Hardware and Software.

# MCR-B PRO Connection:

**Important:** *In order for the EVO-B to work, an update for the devices has to be made as follows:*

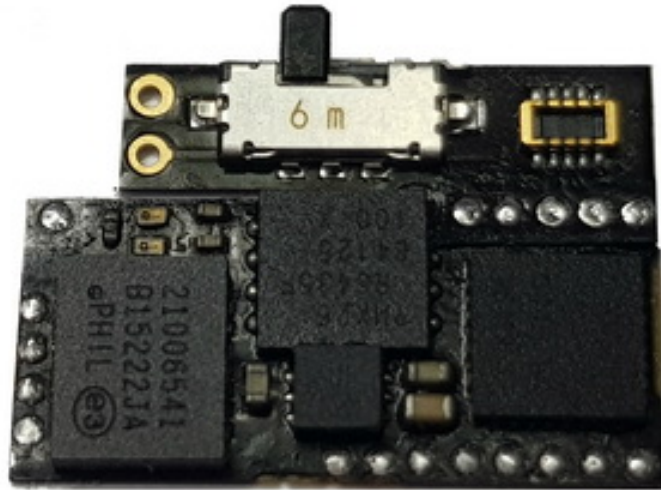
*MCR-EVO to be updated to version 1.9 or later  
and*

*MCR-EVO-K to be updated to version 2.12 or later*

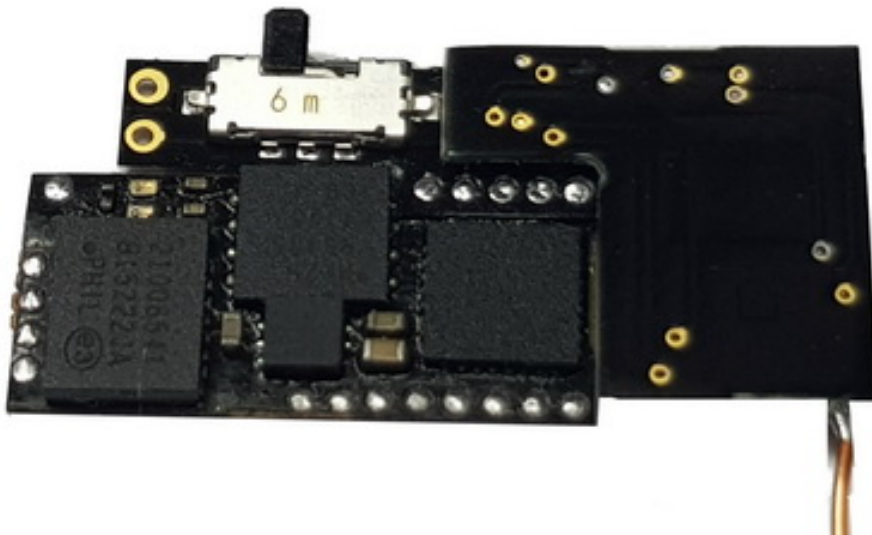
***Very important:*** *The update of the MCR-EVO and MCR-EVO-K can be made only via the USB adapter it comes with and NOT via the Bluetooth, so please make sure you make the update via the EVO-EZ adapter.*

*The MCR-B PRO Bluetooth adapter can be attached to a MCR-EVO or MCR-EVO-K*

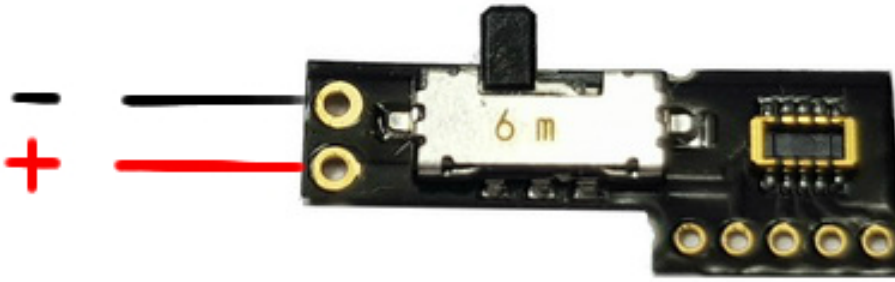
First attach the EVO-EZ adapter by soldering it to the MCR-EVO or MCR-EVO-K



Then click in the EVO-B PRO adapter



## EVO-EZ battery connection diagram



**Warning 1:** DO NOT connect it differently as might be a chance that the device will damage.

**Warning 2:** DO NOT remove the antenna (wire that comes soldered on the EVO-B). DO NOT cut it or replace it with a longer one. It has to be 3cm long (no more or less). This will assure a perfect signal range. If removed, the EVO-B PRO Bluetooth adapter might damage. It can be bended in any way however.

## Software Installation and Usage:

### Computer use:

1. Go to [www.MyCardReader.com](http://www.MyCardReader.com) click on "Download" tab, than download, extract and install "MCR-Evolution PRO".
2. Using the software: Go to [www.MyCardReader.com](http://www.MyCardReader.com) click on "Tutorial" tab, than click on the "MCR-Evolution PRO tutorial".

## Android use:

*NOTE: To use our Android application, a mobile phone with Android operation system is necessary. Also it is required to have a Bluetooth version 1.4 or older. Hint: the majority of the mobile phones produced after 2015 have this model of Bluetooth.*

*Also please note that the EVO-B PRO Bluetooth adapter works with MCR EVO Android APK 1.5 or older.*

1. From your Android phone, go to [www.MyCardReader.com](http://www.MyCardReader.com) click on "Download" tab, than download the MCR-EVO Android PRO APK 1.5
2. Install on your phone
3. Using the software: Go to [www.MyCardReader.com](http://www.MyCardReader.com) click on "Tutorial" tab, than click on the "MCR-Evolution PRO Android tutorial".

## Bluetooth range:

Field (with no interference - Ideal conditions)

**100m**

City (with buildings interference)

**30m**

## Power consumption:

Power consumption with the Bluetooth turned **ON** all the time: **2.5mAh/h**  
test 1 - 15mAh bat + 5,000swipes    test 2 - 9mAh bat + 2,000 swipes    test 3 - 4mAh bat + 900 swipes

**6hrs**

**3.6hrs**

**1.6hrs**

The Bluetooth can be controlled for how long to be **ON** (when consumes 3mAh/h) and **OFF** (when only the MCR-EVO or MCR-EVO-K will consume 0.13mAh/h) so it will save a lot of power.

# Bluetooth settings and behavior:

## ON/OFF Bluetooth setting:

**NOTE:** *As a safety measure, when the device is powered ON, the Bluetooth will be turned ON for 2 minutes. This setting cannot be setup differently!*

When the Bluetooth is setup ON for a period of time (example 30 minutes) and OFF for other period of time (example 23 hours and 30 minutes), from the moment the “OK” button is hit, the countdown will start (the only exception is when you make this setting within the first 2 minutes of the device is powered ON), and it will start with the time OFF.

**Example:** At 13.00 the device is turned ON (Bluetooth will be ON for 2 minutes). You connect to the device and setup the time to be ON for 30 minutes, and OFF for 23hours and 30 minutes, than click “OK” at 13.01, than the countdown will start at 13.02 (because the safety measure of 2 minutes ON). The Bluetooth will be OFF for 23hours and 30minutes until 12.32 hour next day. It will turn ON for 30minutes until 13.02 than turn OFF again. The cycle will repeat until the device is turned OFF or another setting is made.

If you are still logged in (downloading files or making other settings) over the 13.02 (when the Bluetooth should turn back OFF, the Bluetooth will not interrupt the connection because you are still logged in, so it will wait for you to finish and to logout. If you logout at 13.05 for example, the device will still count the time for the Bluetooth to be OFF from 13.02 when it supposed to be OFF.

The device will keep this setting all the time until is setup otherwise. So if the device is powered OFF and powered ON, it will start again with the same settings: 2 minutes ON, than 23 hours and 30 minutes OFF and 30 minutes ON, than 23 hours and 30 minutes OFF and 30 minutes ON again and so on...

**NOTE:** *The MCR-EVO devices clock is not 100% exact and might have a delay over longer period of time (few days for example). This is because we should have used another component on the device in order to keep a perfect timing, but it would have made it bigger and consume more power. So in order to make sure you find the Bluetooth after few days, there are 2 alternatives:*

1. *setup the ON time for a longer period of time (1 hour for example)*
2. *from the settings in our MCR Evolution Software, the time can be adjusted for each device to make sure the clock will work perfectly. To do that, when connected to the device, go to settings, click on advanced settings, and on setup time just go with the mouse over the text and a popup with the instructions will appear. After setting it up there is no need to do it ever again.*

## Changing Bluetooth name:

When changing the Bluetooth name, a restart needs to be made. This is done either by the restart option from the settings (from the apk or PC software), either from powering OFF and back ON the device.

For all other settings please see our tutorial videos:

- MCR Evolution PRO (PC software): <http://mycardreader.com/content/34-mcr-evolution-pro>
- MCR Evolution PRO Android: <http://mycardreader.com/content/40-mcr-evo-k1-android-tutorial>



Size:

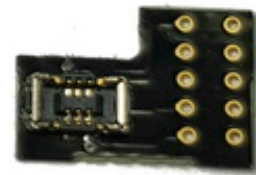
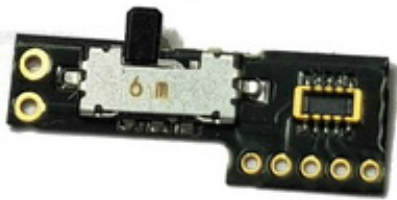


*EVO-B Bluetooth adapter size:*

**1.8mm - THIN    7mm - WIDTH    10.5mm - LENGTH**

Very compact small design

# EVO-B PRO



[www.MyCardReader.com](http://www.MyCardReader.com)