



## Installation and use

---

Controller for Rapid Bike Evo and Rapid Bike Racing modules

---



**You TUNE**

## Description

YOUTUNE is a calibration device showing data relative to the main functions performed by Rapid Bike EVO and RACING module with the purpose to interact in real time and modify the related parameters within a range of pre-set values, including the possibility to enable/disable them.

## Main features

- Dimensions 90x45x18 mm – 3.5x17.7x7.1 in
- Weight 100gr – 0.22 lb
- International Protection Marking: IP67.
- Communication: CAN-BUS 2.0 - 256Kbps.
- Adjustable brightness.
- Storable adjustments.
- Positioning: handlebar; upper triple clamp; dashboard upper side; front area.
- Fastening: double-sided high-resistance Velcro.
- Connections: plug 'n' play with Rapid Bike Evo / Racing harness.

### READ BEFORE INSTALLATION:



Be sure to update the **firmware** of the Rapid Bike Evo / Racing module with the latest version available in the Rapid Bike Master software ver. 2.0.6.8 and further. In case one or more My Tuning Bike devices are installed on the bike, proceed with its firmware upgrade too (refer to the software manual for both procedures).  
**NOTE:** software advises automatically to proceed with upgrade if it is opened with bike's ignition **ON**.

### WARNING



**To prevent any risk of injury, it is recommended not to take your attention away from riding while operating with the device.**

## Installation

1. Fasten the device, using the provided Velcro, in a position easy to look at and reach (see pictures).
2. Route the wiring harness up to the Rapid Bike module and fasten it to the OEM harness using cable ties.
3. Connect the three connectors of the Youtune harness to the Rapid Bike harness.



Turn ignition on.

4. The device must light up all the LEDs as well as the display; then it should set to RPM position showing 0 rpm.

The device is ready.



### WARNING



The device flashes continuously in case a communication problem is detected:

1. Update the Rapid Bike module's firmware as mentioned previously.
2. Youtune harness may have been damaged during installation. Check it and repair.

### Use

Ten LEDs on a curved line for analog representation of the measured value

Button **MODE** selects the **feature** and **saves** new settings (memorizing new default **feature**)

Six LEDs indicating the selected **feature**:

- TC => Traction Control
- EB => Engine Braking
- QS => Electronic Quick Shifter
- AFR => Air Fuel Ratio
- LC => Launch Control
- RPM => Revolutions per Minute



Button (+) increases the value displayed. Pressed together with button (-) allows modifying the brightness

Alphanumeric display shows the value of the selected **feature**

Button (-) decreases the value displayed

**RPM => Displays various information**

Feature available for both Rapid Bike Evo and Racing modules

TPS: Throttle Position Sensor measured in %

LED → TPS

Display → RPM



LED → AFR  
Display → RPM

AFR: Air / Fuel Ratio

Push (+)



LED → RPM  
Display → TPS/Gear

Push (+)



Gear position and O2 sensor status are displayed for bikes equipped with the related sensors. For further information please check the detailed applications list on [www.rapidbike.com](http://www.rapidbike.com)

Push (+)



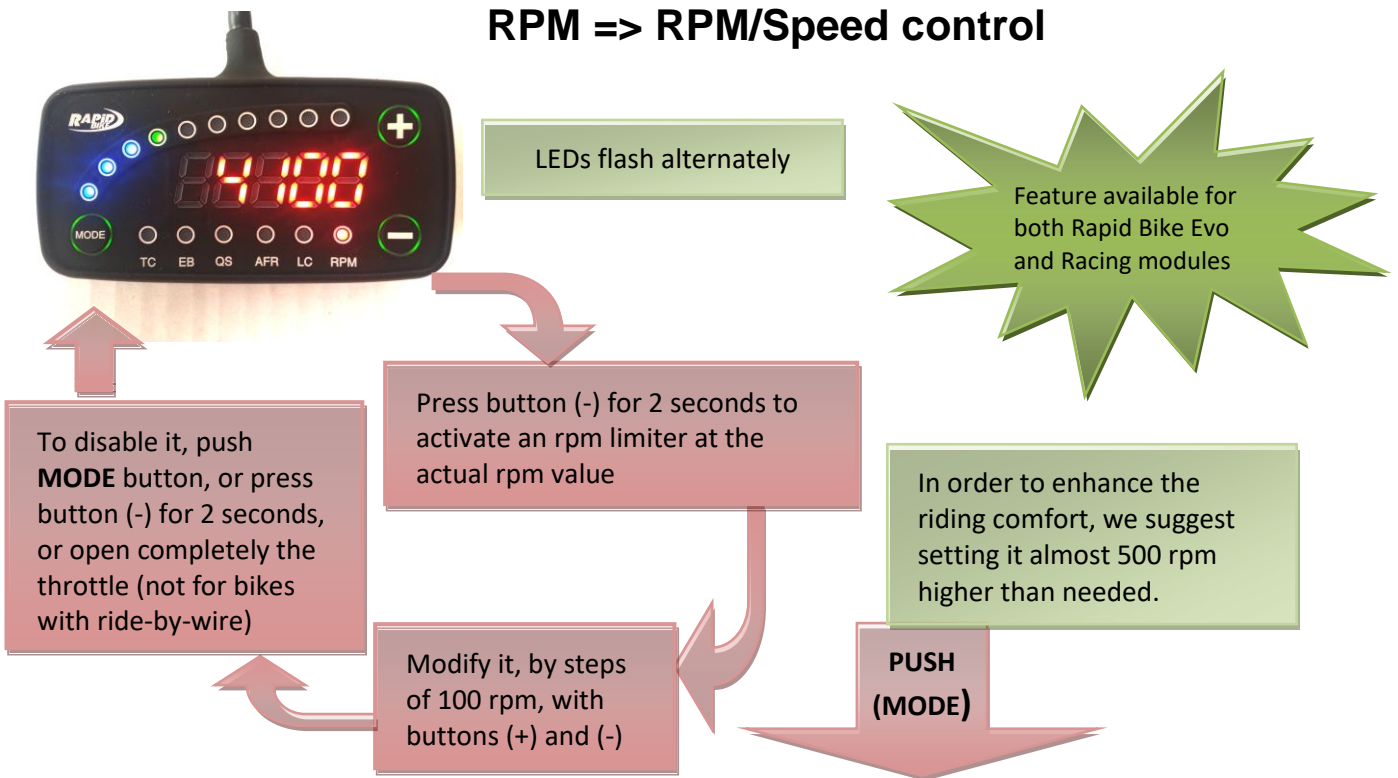
LED → AFR  
Display → TPS/O2 sens status

O2 sensor status symbols:  
 - O2 sensor heating  
 O O2 sensor operating  
 OO O2 sensor operating / Rapid Bike is modulating

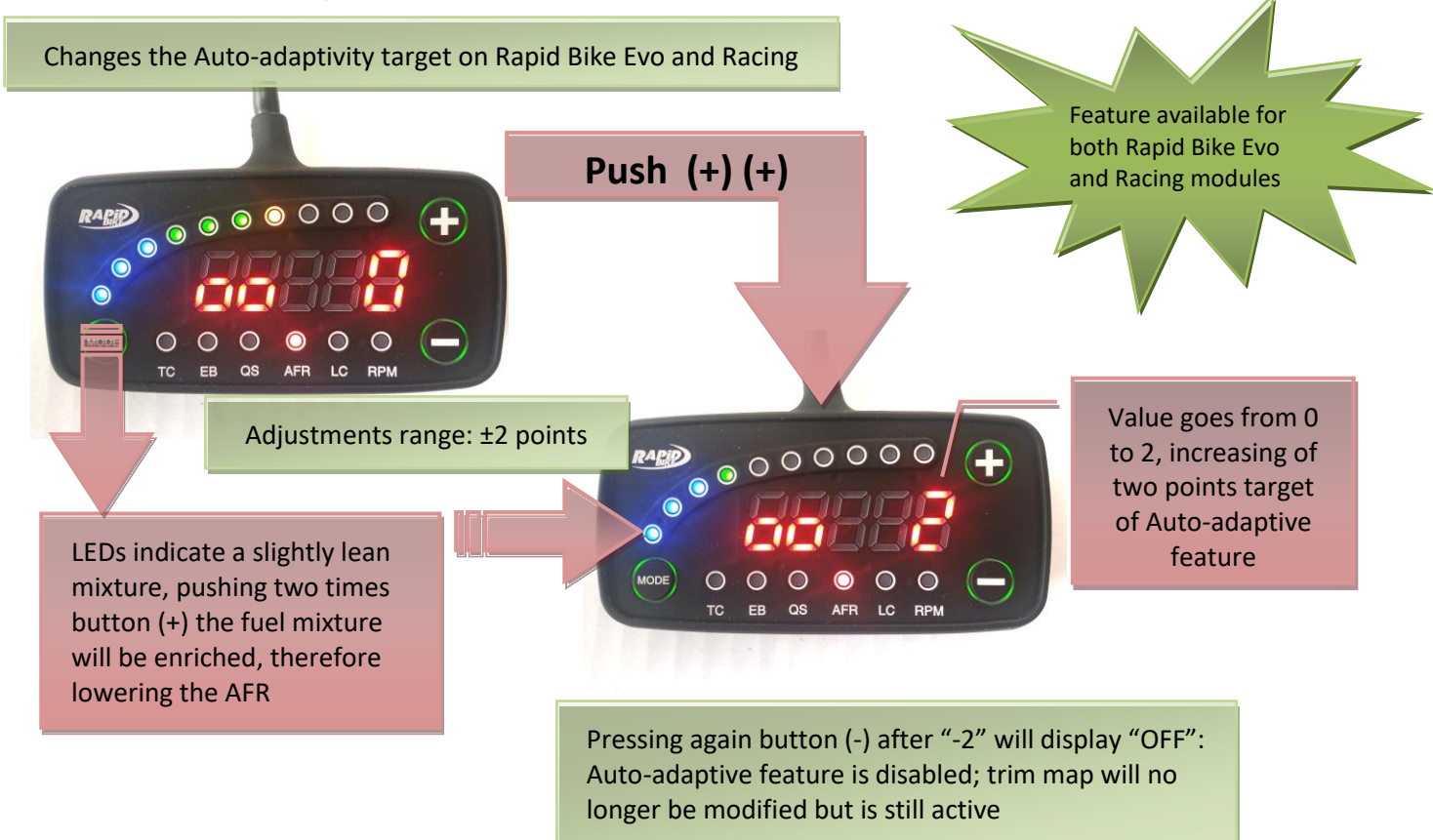




**RPM => RPM/Speed control**



**AFR => displays/modifies the fuel mixture => OEM O2 sensor**



**AFR => My Tuning Bike installed => displays/modifies AFR target.**



Display shows the AFR measured by the My Tuning Bike's wideband O2 sensor, LEDs indicate AFR's trend

AFR target can be modified only with My Tuning Bike connected

Adjustments range:  $\pm 10$  (1 = 0,1 AFR)

**QS => kill time adjustment**



LEDs indicate the actual gear ratio: 4 LEDs on the left  $\rightarrow$  Neutral

"Cut-off" adjustment over the software's setting ( $\pm 20$ ms)



Digital indication of the actual gear ratio



Starting for the 5<sup>th</sup> LED, gears from 1<sup>st</sup> to 6<sup>th</sup> are indicated

This parameter modifies the kill time of engine's power. In case of gear-based kill time, this parameter affects each single value sets in the software



Pressing again button (-) after -19 will display "OFF": quick shifter feature is disabled

**PUSH (MODE)**



**EB => Engine braking control**



LEDs indicate RPM

Display indicates the adjustment over the software's setting ( $\pm 20$  points)

0 means the feature is active with the software's setting

Feature available for both Rapid Bike Evo and Racing modules

Press (-) to reduce the engine braking, (+) to increase it

Press button (-) after -19 will switch to OFF, disabling the engine braking management

When this feature intervenes, the display shows "EB" and the first two digits of the RPMs while LEDs flash

**PUSH (MODE)**

**TC => Traction Control sensitivity adjustment**



0 means TC is active with sensitivity's standard setting

TC sensitivity ( $\pm 5$  points)

Press (-) to reduce the overall TC sensitivity, (+) to increase it

**Only for Rapid Bike Racing**

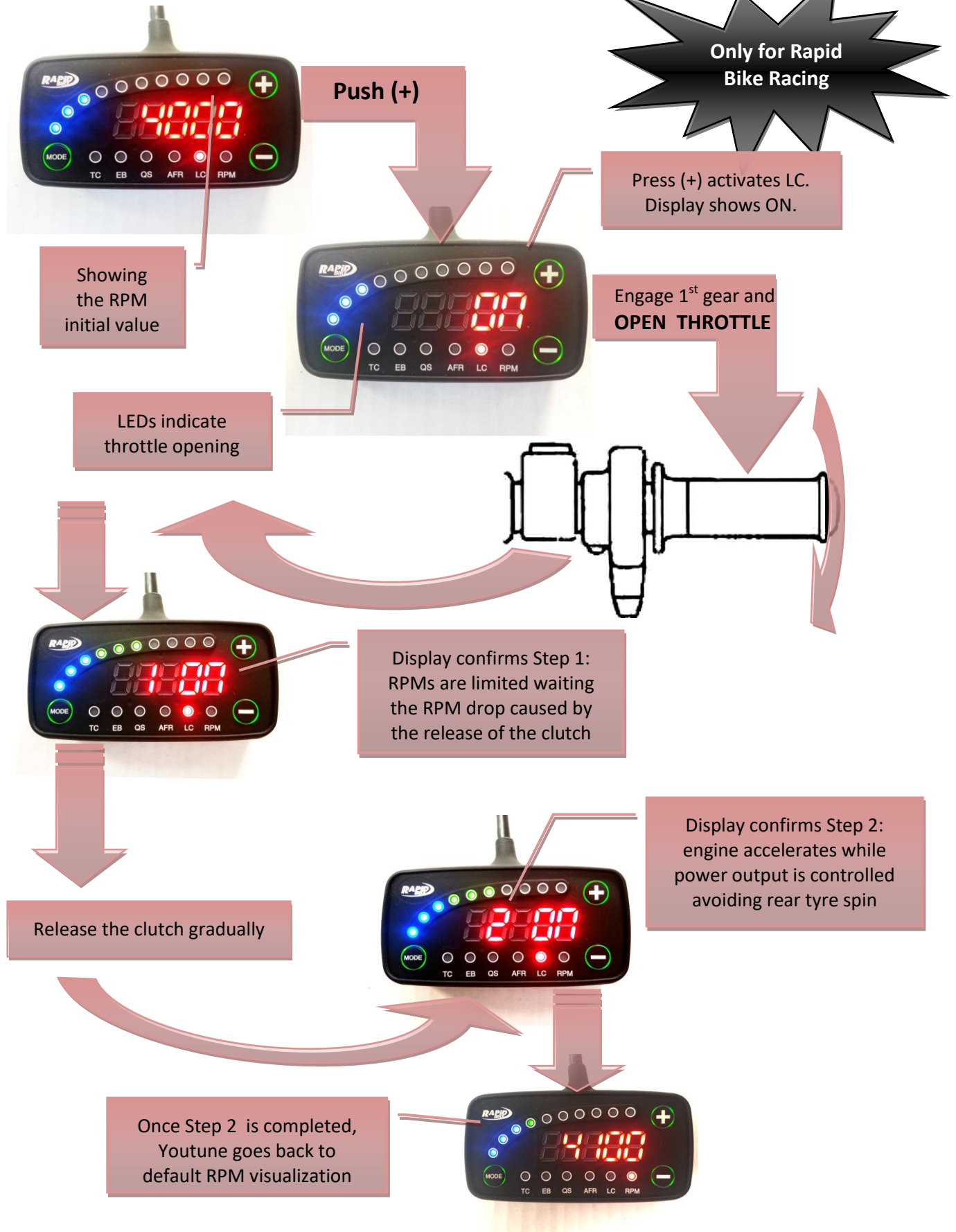
When Traction Control intervenes, the display shows TC and the first two digits of the RPMs (e.g. "TC 80" means the intervention occurred at 8000 rpm)

Press again (-) after -5 will switch to OFF, disabling the Traction Control

**PUSH (MODE)**



# LC => Launch Control activation





## General information

Device doesn't save automatically the new settings; be sure to press button **MODE** for 5 seconds to save permanently.

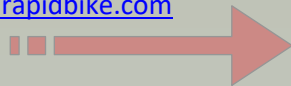
YOUTUNE controller works with RapidBike Evo and Racing modules without any limitations, and can be installed indefinitely on modules having different serial numbers.

Check on the website <http://www.dimsport.it/ita/tuning-line/rapidbike> what features are adjustable on your bike using Youtune controller.

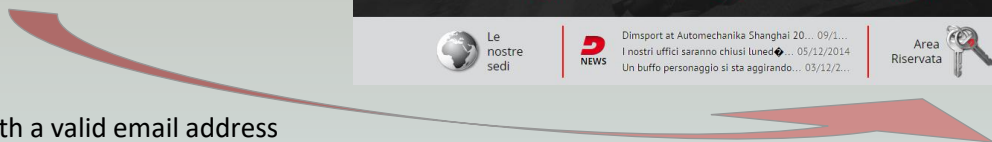
For each feature adjustable with Youtune, Rapid Bike Master software shows the software's settings, the actual value of Youtune controller and the resulting value from the sum of the two.

For further information regarding Rapid Bike modules' features mentioned in this manual, please refer to the Rapid Bike Master software's manual.

The software's manual mentioned above can be downloaded in the reserved area of the website [www.rapidbike.com](http://www.rapidbike.com)



Click AREA RISERVATA on bottom right side



Fill in the form with a valid email address and the serial number of Rapid Bike module. This number can be found on the card placed on module's rear side



or on the label of the connector.



### RESERVED AREA - REGISTRATION

REASON FOR REGISTRATION:

INSERT YOUR EMAIL ADDRESS (IT WILL BE USED AS USERNAME FOR YOUR LOGIN)

ECU SERIAL NUMBER

## **Dimsport Srl**

*Zona Industriale Madonnina - Loc. San Iorio  
15020 SERRALUNGA DI CREA (AL) - ITALY  
T (+39) 0142.9552 F (+39) 0142.940094  
[www.dimsport.it](http://www.dimsport.it)*

## **RapidBike**

**ASSISTENZA TECNICA – TECHNICAL SUPPORT**

*Tel. (+39) 0142.9552*

*E-mail: [support.rapidbike@dimsport.it](mailto:support.rapidbike@dimsport.it)*

**UFFICIO COMMERCIALE – COMMERCIAL DEPT.**

*Tel. (+39) 0142.9552*

*E-mail: [info.rapidbike@dimsport.it](mailto:info.rapidbike@dimsport.it)*



a company of  
una azienda del gruppo



---

*[www.rapidbike.it](http://www.rapidbike.it)*

---