



Installation and use

Controller for Rapid Bike Evo and Rapid Bike Racing modules



**YouTUNE**

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 Youtube 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. Youtube 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**)



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

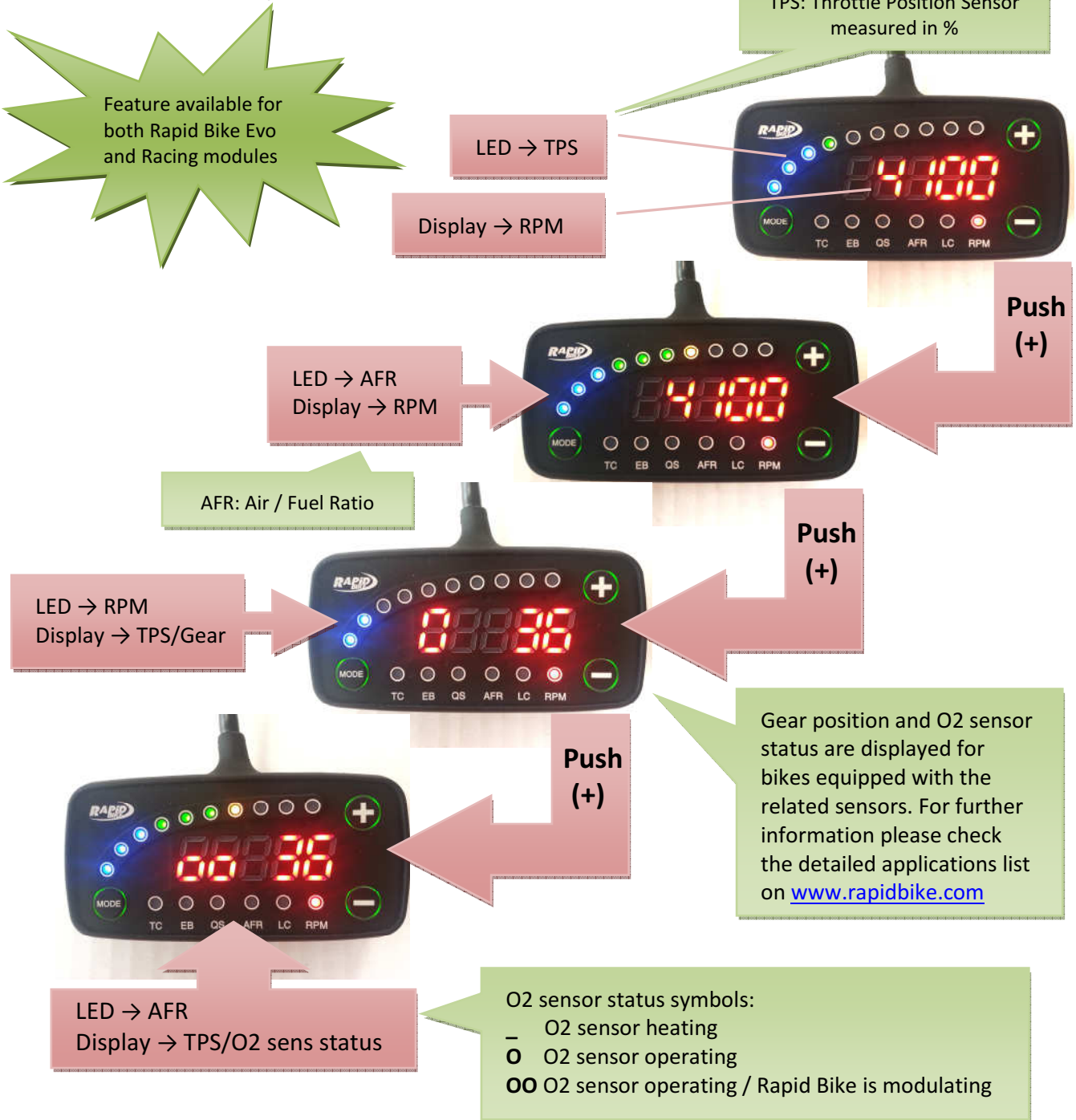
Alphanumeric display shows the value of the selected **feature**

Six LEDs indicating the selected **feature**:

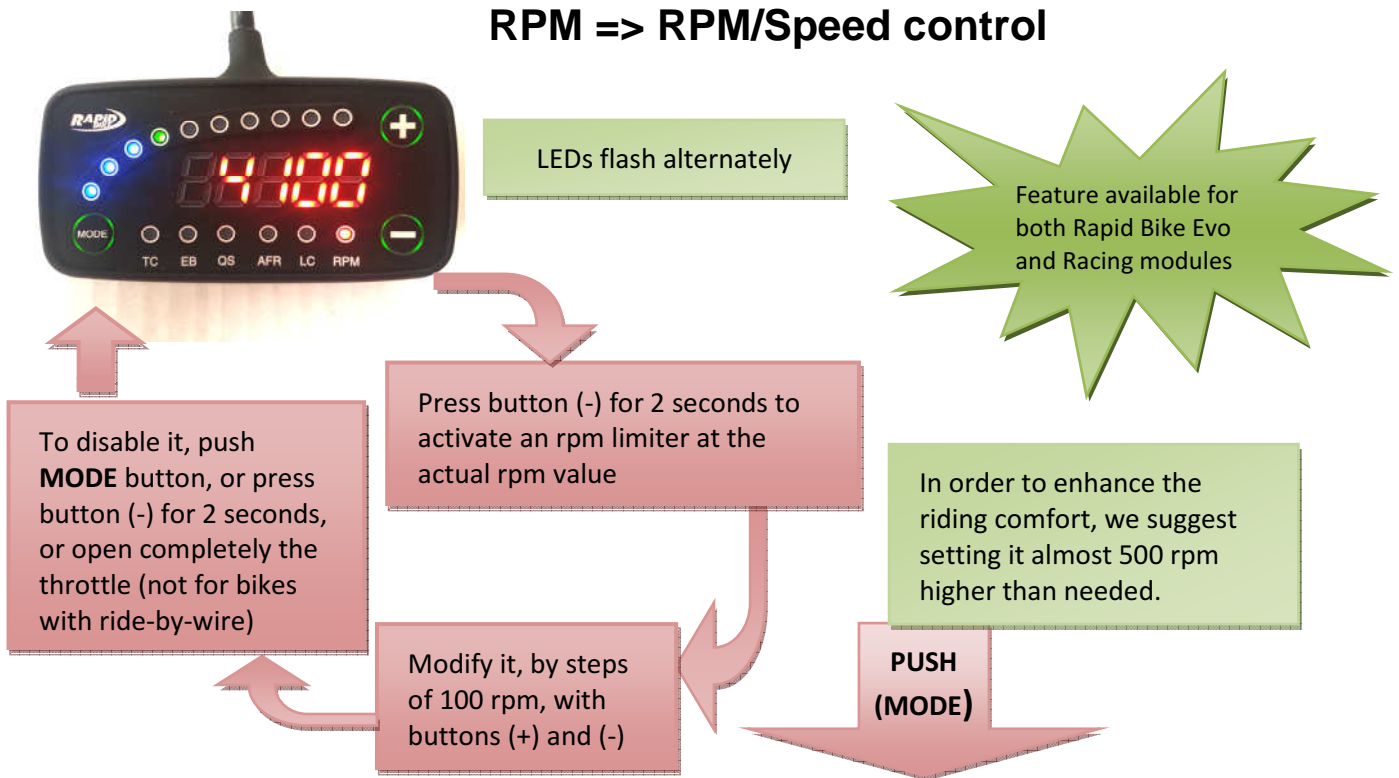
- TC** => Traction Control
- EB** => Engine Braking
- QS** => Electronic Quick Shifter
- AFR** => Air Fuel Ratio
- LC** => Launch Control
- RPM** => Revolutions per Minute

Button (-) decreases the value displayed

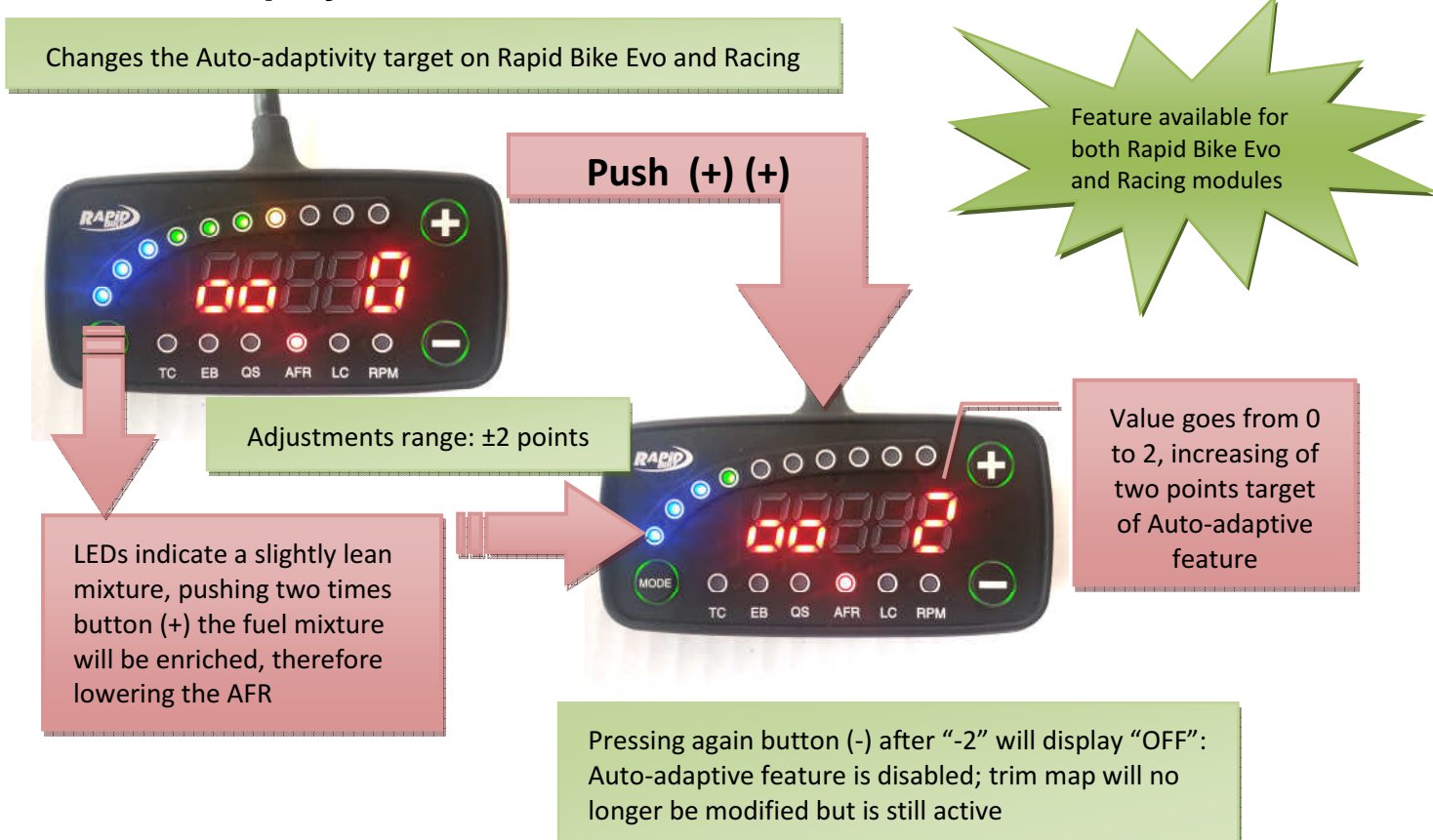
RPM => Displays various information



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: ± 10 (1 = 0,1 AFR)

QS => kill time adjustment



LEDs indicate the actual gear ratio: 4 LEDs on the left → Neutral

"Cut-off" adjustment over the software's setting (± 20 ms)

Feature available for both Rapid Bike Evo and Racing modules

Digital indication of the actual gear ratio



Starting for the 5th LED, gears from 1st to 6th 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 (± 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 (± 5 points)

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

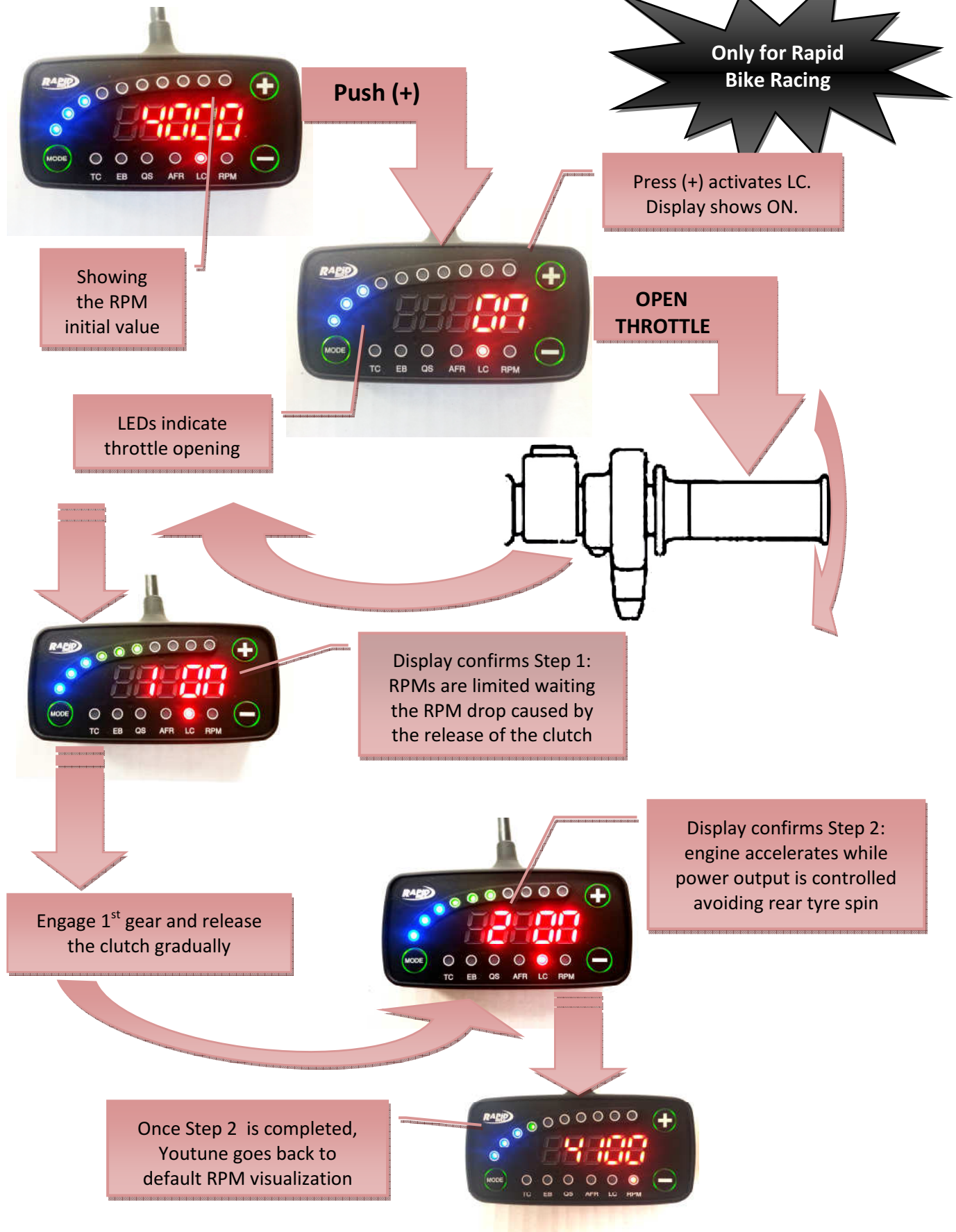
**Only for Rapid
Bike Racing**

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

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)

**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



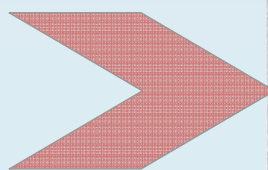
Click AREA RISERVATA on bottom right side



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

NEXT

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