



GP ASG Superbike Quickshifter - Blipper, Item 421Evo for Aprilia RSV4

MotoGP Technology
Supplier to KTM Moto3 Factory
Homologated Honda Racing Moto3
www.cordona.net

Only for closed circuit use.

Plug and Play instruction [Detailed instruction check Page 2 or www.cordona.net/manuals]

1. Plug [Install the GP ASG Superbike sensor]

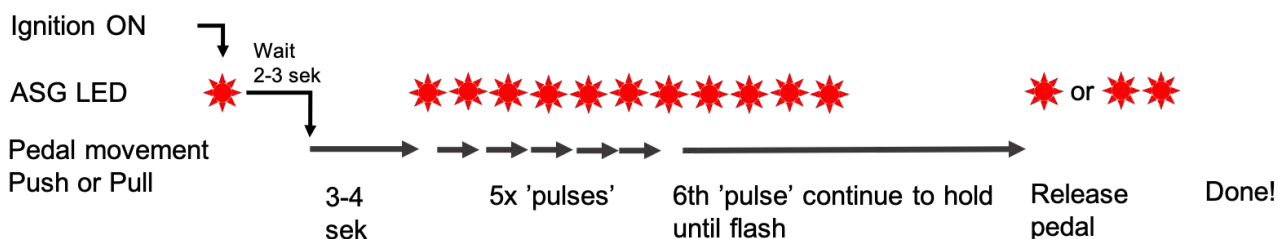
- Tools needed;
Mounting of rod linkage: 8mm and 10mm spanner and typical Allen key for foot rest/gear lever bolts.



- The sensor can be mounted in any direction in the rod linkage. The sensor only detect push or pull movement.
- Mount the sensor, rod, pin bolts, nuts etc. to a complete linkage.
- Mount the sensor linkage assembly to the bike, adjust the length and secure all nuts on the linkage.
- **Do not locate the sensor module very close to engine or exhaust hot areas, the electronic module are specified for -20 to +85 Celsius. Exceeding these temperatures could degrade the functionality. See next page 2 for detailed placement of the module on a SFV4 bike.**
- Connect to bike Quickshifter-Blipper connector.
- Gently secure the sensor cable with cable ties. Do not make to sharp bend or tighten to hard, that could damage the sensor cable.

2. And [if needed, Change the **Up shift direction]

- Switch on the ignition of the bike. Do not start the engine.
- The LED flash 1 or 2 times depending on which up shift direction is set.
- The pedal movement shall be in the **Up Shift direction.
- One flash means PUSH direction, two flashes means PULL direction of Up Shift.
- **Follow the procedure below.** The pedal movement shall be quite hard, either by hand or foot and with same amount of force for each movement.
- **First pedal movement shall be directly after LED goes black, within 2-3sec.**
- **PUSH or PULL the pedal quite hard with your foot or by hand.**
- **The rapid LED flashes means you are in configuration mode.**



3. Play

4. Detailed information

Green: Supply Power +5v to +12v

Brown: Ground

White: Output signal to ECU, range 0.4 – 4.5v, no load 2.5v

- The GP ASG Superbike sensor supports bike Quickshifter-blipper or only Quickshifter.
- The rod can be shortened to fit. Use a hacksaw, 5 mm drill and M6 tap.

5. Important Information

- Resting the feet at the gear change pedal is strongly not recommended. The quickshifter can trigger unexpected shift signal to the bike ECU.
- Downshift shall be performed with the throttle closed.
- Check that the foot rest do not flex too much, this could cause ECU ignition to cut unexpectedly under high load on foot rest, making the foot rest flex to activate Up or Down shift.

6. Configuration of shift direction

The shift direction in the ASG is normally set for Up Shift with an Output signal to Bike that goes from 2.5V to 4.5V. However, some bikes have Output signal 2.5V to 0.5V for Up Shift

Shift direction can be set changing position of gear levers instead of change direction of ASG shifter.

For bikes with Up Shift trigger signal 2.5V to 4.5V

When start up the LED flash 1 (*) times when Up shift is set in Push direction.

When start up the LED flash 2 (**) times when Up shift is set in Pull direction.

For bikes with Down Shift trigger signal 2.5V to 4.5V

When start up the LED flash 1 (*) times when Down shift is set in PULL direction of sensor.

When start up the LED flash 2 (**) times when Down shift is set in PUSH direction of sensor

Important!!! Consider that changes in the gear box lever direction or gear lever rod position can change direction of shifting compared to original position. Always look at the sensor if its pushed or pulled when you set up- or down shift.

7. Module placements; Aprilia RSV4

The ASG Sensor module is preferable mounted at this location. It is NOT recommended to place the electronic module close to very hot engine parts. The electronics are specified for max +85° C.



8. Self Monitor System

- The red LED will be ON constantly if the sensor is broken or disconnected from the CPU. Reconnect sensor or replace with spare sensor, settings will not change after a sensor replacement, just switch off and back on and the unit will auto calibrate the new sensor.
- Note: some bikes have power to the ignition system on for approximately 2 minutes after ignition OFF. In that case, disconnect and reconnect the ASG to perform the above configuration, or just wait for 2 minutes.