

SUZUKI IMMO emulator

SKU, **37180-23K00**, systems from 2017

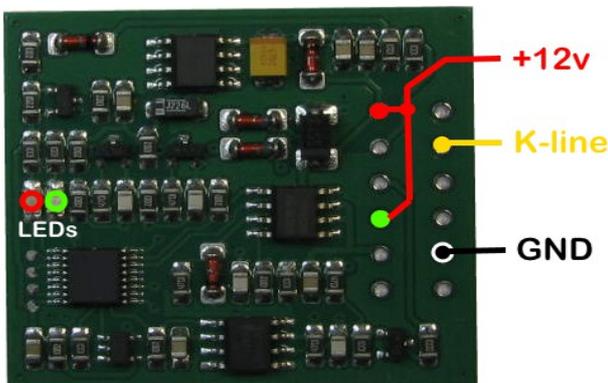
- GSX-R 125
- GSX-R 150
- etc...

Features:

- SMART KEY systems covered;
- Must store SYNC using K-line adapter and configurator software OR make ECU virgin;
- 1:1 pin compatible with original SKU board, manages original IMMO LED and ENABLE solenoid / relay.

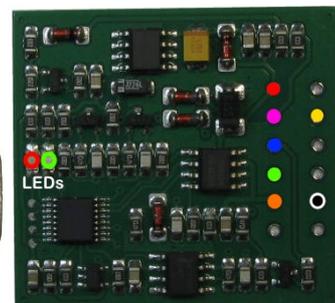
Configuration:

- attach **+12v** to pins **+BAT** and **IGN ON** (both!), **K-line** and **GND** - according to picture below,
- connect K-line adapter, launch configurator software,
- write SYNC manually or load it from SKU or ECU dump.
 - **NOTE: must store any SYNC into emulator first to verify connections and enable menu items!**
- if success, **RED** and **GREEN** LEDs on emulator board will blink alternately.
- **Alternative:** make ECU virgin and forget about all above. At first startup self-teaching process is launched.



Installation:

- throw away original SKU board, install emulator instead.
- that's it!



+BAT
REQ switch
IMMO line
LED (dash)
IGN ON
EN relay
GND

LED behaviour:

- **RED LED:**
 - short blink at startup, then goes OFF.
 - If blinks while REQ switch activated: EN relay circuit overload (> 2A) – ERROR condition;
- **GRN LED:** goes ON permanently if ECU is authorized,
- **RED** and **GREEN** both OFF: no request from ECU, communication error etc.
- **RED** and **GREEN** blinking simultaneously: ECU not authorized, wrong SYNC,
- **RED** and **GREEN** blinking alternately: SYNC stored.
- **LED (dash) output:**
 - ON at startup, then:
 - OFF: if ECU requests received and ECU is authorized,
 - ON: no ECU requests
 - BLINK: SYNC definitely wrong, no authorization.
 - if blinks while REQ switch activated: EN relay circuit overload (> 2A) – ERROR condition.

