

Supported:

KTM Duke, 660, 990, 1050, 1190 with mechatronic ignition switch ZADI E-lock (ZADI-2), 1290 Adventure, Duke with ZADI Race ON (keyless) systems, 4D keys, 2014 up. Programming usually is NOT necessary, emulator is Plug & Play.

Installation:

Install emulator in place of original immobilizer unit: GND, +BAT, CAN-Hi, CAN-Lo, RaceON button, "Kl.15" according to wiring diagrams. In case of E-lock it is possible to use original microswitch (short to GND when IGN ON), attach it to emulator BTN pin.

- First startup JMP must be OPEN to allow self teaching mode.
- Self alignment: switch ignition ON/OFF several times (do not start bike!). Check if GREEN LED goes on permanently. If it remains blinking most likely there are communication / compatibility problems with ECU, must proceed with manual setup!
- **Manual setup:** make alignment manually using CAN logger or MBcan with configurator software. Must send 3 frames with VIN number in ASCII like below (**VBKVS9402CM988179** = ascii 56 42 4B 56 53 39 34 30 32 43 4D 39 38 38 31 37 39):

 7FE
 8
 30
 31
 56
 42
 4B
 56
 53
 39
 01VBKVS9

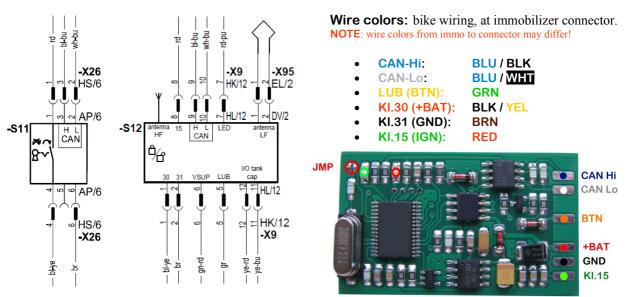
 7FE
 8
 30
 32
 34
 30
 32
 43
 4D
 39
 02402CM9

 7FE
 8
 30
 33
 38
 38
 31
 37
 39
 00
 0388179

If data accepted, emulator must respond with:

7FF 8 4F 4B 21 2D 2D 2D 2D 2D OK!-----

• If everything seems OK, place solder joint (short JMP) to avoid any data updates by accident and allow low power operation / sleep mode! Job done.



LEDs on emulator board:

- GRN blinks "KL.15" on, waiting for communication, communication incomplete;
- **GRN** on permanently "KL.15" on, code sent (ECU authorized);
- **RED**: "K1.15" load, normally OFF. Goes ON if current is above normal (>1A), BLINKS if short circuit or excess load detected (>2A).
- GRN and RED both switching: JMP is open, configuration mode active, K1.15 off.



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