

CRF1100-OFFROAD-DONGLE



CRF1100-OFFROAD-DONGLE
INSTALLATION MANUAL

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Thank you for choosing our products. We strongly advise you to read this user manual thoroughly. It contains important instructions about installation, setup and use of the offroad Dongle.

Basic information

Dongle eliminates the need for the annoying and time-consuming switching OFF the Rear ABS, Traction Control and Wheelie Control when you riding in hard offroad by taking control and forcing its own settings to ECU. This Dongle allows to turn these electronic assistants ON/OFF with just one click on the keyboard. Dongle also automatically clicks-off the safety message displayed after start of the bike.

Technical specification

Energy consumption:	2W
Fuse:	Internal self-resettable fuse (not changeable)
Working temperature:	-30°C to +90°C
Dimensions:	25 x 28 x 12.5mm

- Device doesn't lose its memory (when the memory function is turned ON by user) after being disconnected from power.
- Device is shockproof and waterproof.

Installation

For detailed installation steps please follow the video manual in this link. Please, scan it with QR code reader app or continue to product website:

<https://www.lskelectronics.com/store/Honda-CRF1100-Africa-Twin-Offroad-Dongle-p592154121>



1. Remove the left-side fuel tank cover.
2. Locate 4pin sealed connector and plug the Dongle in between.



3. Locate 2pin sealed connector of the 12V car plug power connector and plug Dongle in between.



4. Arrange the Dongle and wires.
5. Try the proper function of the Dongle.

If you see the "engine check" light indicator on the dashboard, do not worry. It is because you have just disconnected the dashboard. It will disappear after ca three cycles of starting the bike, riding few kilometers and turning the bike OFF.

6. Install the left-side fuel tank cover back.

Dongle control

For details about controlling assistance systems with installed Dongle please follow the video manual in this link. Please, scan it with QR code reader app or continue to product website:

<https://www.youtube.com/watch?v=LeqG3aNOpaA>



Dongle is controlled using the OEM keyboard panel on the left handlebar.

1. Star button

Press and hold for min. 0.5s for turning ON/OFF:



- Rear ABS (+ Front ABS set to Offroad mode)
- Traction control
- Wheelie control

- **Briefly release the throttle** to complete traction control shutdown.
- **Briefly stop moving the bike** to complete the ABS shutdown.
- The status of the electronic systems is indicated by corresponding indicator lights on the dashboard
- Flashing "T" round icon on the upper dashboard means that the dashboard has no control over traction control settings (it is handled by the Dongle).
- Short click on the button is not handled by Dongle – its function is the same as before installing the Dongle.

2. Up arrow button

Press and hold for min. 3s for turning ON the Dongle memory:



- Dongle will keep its settings after shutdown the bike.

- Successful setting is indicated by a short, rapid flashing of the Traction control indicator light.
- Short click on the button is not handled by Dongle – its function is the same as before installing the Dongle.

- *Please be careful with using the memory function. Electronics assistants can remain OFF when you or anyone else sits on the bike. It is on your own responsibility.*

3. Down arrow button

Press and hold for min. 3s for turning OFF the Dongle memory:



- Dongle will be disabled (will not modify any motorcycle settings) after every new start of the motorcycle.

- *Successful setting is indicated by a short, rapid flashing of the Traction control indicator light.*
- *Short click on the button is not handled by Dongle – its function is the same as before installing the Dongle.*

Warranty

Product is covered by 2 years Limited Warranty (from the date of purchase). Limited Warranty covers any defects in material or manufacturing defects under normal use and maintenance. **We reserve the right not to accept the claim in the case of mechanical damage that could be related to the defect of the product or if the product was disassembled by unauthorized service.**

This limited warranty also does not cover any problem that is caused by conditions, malfunctions or damage not resulting from defects in material or workmanship.

During warranty period, we will repair or replace defective product or defective parts. To obtain warranty service, you must first contact us using claim form at <https://www.lskelectronics.com/claim> to determine the problem and the most appropriate solution for you.

Safety notice

a) Installation

This device should be installed by specialized garage or service. Inappropriate mounting or electrical connection may result in damaging this or any other electrical devices in the motorcycle. Improper installation of electronic devices can lead to a fire resulting in damage the motorcycle and the owner's health.

b) Small parts

Device contains small parts – keep away from children.

c) Road-use approval

Device is not approved for use at public roads. You use it at your own risk and responsibility.

d) Legal

This device does nothing more than what can be set by hand on the original instrument panel (It just combines all the procedure to one click). But even in this case and even if the device is in deactivated state, it still interferes with other onboard electronics systems that was originally tested and approved for road-use without this device. The motorcycle is not approved for use on public roads if this device is installed.

e) Safety

This device interferes with other onboard electronics systems even if it is in disabled state. In case of its failure some safety systems can be unavailable. By installing this device, you assume all responsibility for possible damage to health and property caused by the incorrect function of this device and the subsequent malfunction of other electronic systems of the motorcycle.

f) Using this device

Please be careful during all riding and especially when you turn OFF the electronic assistants. Turn them OFF only when you really know what you are doing! Turning Rear ABS OFF causes switching the Front ABS to the Offroad mode. In Offroad mode the Front ABS is less sensitive. Please, keep that on mind when you decide to activate the Dongle!

Troubleshooting

If you obey all the instructions, this Dongle should work properly without problems. In case of any problems, feel free to contact us.

1. Many things on the dashboard screen are flashing. It is not showing fuel level, actual gear and other stuff

Communication through the Dongle failed. Please check the Dongle connectors and wires and test the Dongle if it is working well.

- Check wires of the Dongle.
- Check the LED on the Dongle. It must turn ON for a short moment after start the keyswitch and then go OFF. It symbolizes that the communication with ECU is working.
 - o LED is still OFF -> Dongle does not have power or Dongle failed. Check the 2pin connectors and wires.
 - o LED is still ON -> communication is not working or Dongle failed. Check the 4pin connectors and wires.
- Try Dongle autotest function
 - o Connect the both 4pin connectors of the Dongle one into another. Two pin connectors are for power supply. Connect +12V to the RED one and GND to the BLACK one. Or let it connected to the bike.
 - o Start the power and look at the status LED on the Dongle. Dongle confirm establishing communication between both cables by few times flash of the LED. If the LED is still ON or OFF, the Dongle is not working properly or there is some problem with wiring.

2. Yellow “Engine check” control light is ON

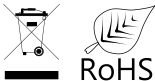
This happens after disconnecting the dashboard 4pin connector and it is normal after installation of the Dongle. Motorcycle needs ca 3-4 cycles of starting the bike, riding few kilometers and turning the bike OFF to checking that everything is working well again. Then the ECU turns the engine check control light OFF.

If nothing helps, contact us using claim form at <https://www.lskelectronics.com/claim>

Recycling

Retired device should be given to places specified for retrieving electrical garbage.
Package should be thrown into a specific container for recycled garbage.

Device meets RoHS Directive.



www.lskelectronics.com
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Product website:

