

XL750-OFFROAD-DONGLE



XL750-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 and Traction when you are 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. This state persists in the memory of the Dongle even if the bike is OFF.

Technical specification

Energy consumption: 2W
Working temperature: -30°C to +80°C

- Device doesn't lose its memory after being disconnected from power and when the bike is OFF.
- Device is shockproof and sealed against water.
*All rubber covers of the connectors must sit in right position. **Connectors damaged by water due to misplaced connector covers are not covered by warranty!***

Installation

For detailed installation steps please follow the video manual in this link. Please, scan it with QR code reader app or continue to this link: <https://youtu.be/ic3OHNhIlBo>



1. Remove the dashboard

Turn the bike OFF.

Remove the plastic cover holding the dashboard screen. You have to remove 2 bolts and 2 plastic clips – see arrows below.



2. Carefully remove the plastic cover

It holds on additional 4 pins, so you must use some force. Then you must disconnect connector from dashboard screen – remove the rubber cap and then you will see the gray connector which you must disconnect. There is a push button on connector which you must push before pulling the connector out.

3. Locate the wiring harness on left side and remove the fixing zip tie from location below.

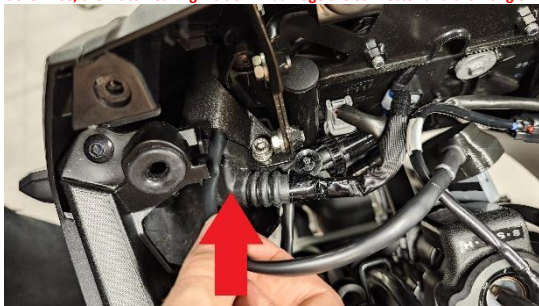


4. Attach the Dongle to location on following picture with included bolt.



5. Connect original connector to the Dongle and use the rubber cap to seal the connector.

**Make sure the sealing is properly pushed into Dongle from all its sides!
Otherwise, the water leaking inside will damage the connector and the Dongle.**



6. Connect the Dongle Harness into the dashboard screen and push the seal cap in.

Make sure the sealing is properly pushed into display!



7. Before final placing of cover and display try the proper function of the Dongle.

- Turn-on the keyswitch and look at the Dongle. The hole next to the harness outlet should be illuminated for a moment. It symbolizes that the Dongle is communicating with the bike. If it is still illuminated, the communication failed.
- Turn the bike ON and activate the Dongle by pushing and holding the down button for ca 1 second.



After activation of the Dongle, you should see orange control lights “TC OFF” and “ABS OFF”. This should work in all riding modes.



Notes:

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.

Some of the Indicators “P”, “T”, “ABS” and Riding mode on the color screen can be flashing. It is normal.

8. Turn the bike OFF again and install the cover plastic to original place.

It must be pushed into fixing pins. During reassembly, be careful. Dongle is installed very close to the 12V socket (if you have it installed on your bike). **You must be careful not to detach the rubber cover of the Dongle connector by the 12V socket. Otherwise, the leaking water can damage Dongle and the bike harness Connector.**



9. Assembly the original bolts and fixing clips back.

Dongle control

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

Down button



Press and hold for min. 1s for turning ON/OFF:

- Rear ABS (+ Front ABS set to Offroad mode)
- Traction 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 icons on dashboard means that the dashboard has no control over 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.
- Originally the long-holding of down button is used for Honda RoadSync app as MUTE button. **This functionality (MUTE) is not available with the installed Dongle.**

Last state of the Dongle (activated/deactivated electronic assistants) remains in the memory when the bike is turned-OFF. It gives you a possibility to let all assistants OFF for a whole offroad day.

Warranty

The warranty period and terms are governed by Business Terms and Conditions available at <https://www.lskelectronics.com/legal>. 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.

Connectors damaged by water due to misplaced connector covers are not covered by warranty!

During warranty period, we will repair or replace defective product or defective parts. To obtain warranty service, you must first contact us at <https://www.lskelectronics.com/contact> 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! You are using this device at your own risk and responsibility.

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 control light on the Dongle (hole next to the Dongle harness, LED is not directly visible). It must turn ON for a short moment after start the keyswitch and then goes 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 connection between original motorcycle harness and the connector integrated on the Dongle's case.
 - o LED is still ON -> communication is not working or Dongle failed. Check the connection between the dashboard and Dongle.

2. Some other electronics on your bike doesn't work

If something isn't working on your bike, it is most likely not caused by the Dongle. You can check your bike functions without the Dongle by removing it and reconnecting the original wiring harness to the dashboard. The Dongle does not affect any original software or wiring of your bike, so after removing the Dongle, everything should work as it did from the factory. If there are still any issues, please contact your local Honda distributor for further assistance.

3. Yellow “Engine check” control light is ON

This happens after disconnecting the dashboard 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 at <https://www.lskelectronics.com/contact>.

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.



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Product website:

