

# POWER COMMANDER 6

Installation Guide for: PC6-18011

Model Coverage: 2011-2013 KTM 690R Enduro

## PARTS LIST



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| 1 | USB CABLE          | 1 | ALCOHOL SWAB           |
| 2 | DYNOJET DECALS     | 3 | ZIP TIES               |

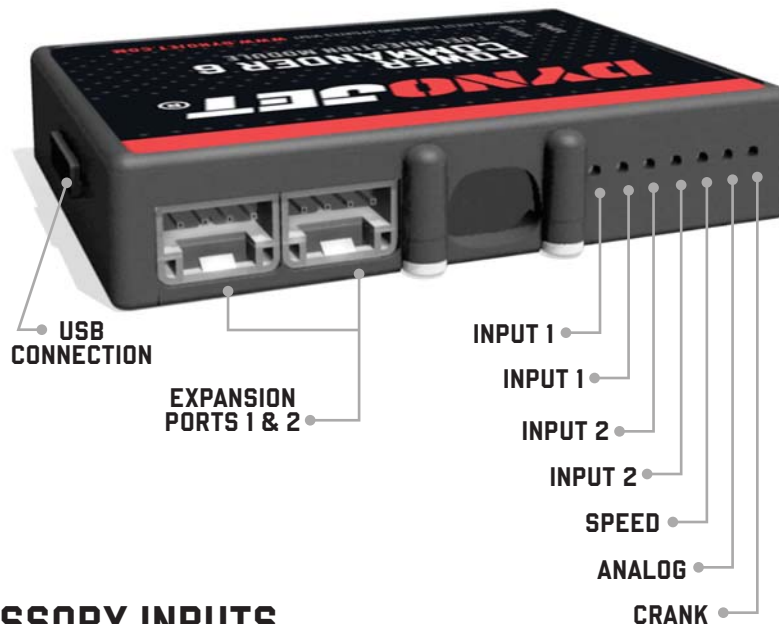
**PLEASE READ ALL DIRECTIONS BEFORE STARTING INSTALLATION.  
THE IGNITION MUST BE TURNED OFF BEFORE INSTALLATION.**



IPC6-18011.01



# INPUT ACCESSORY GUIDE



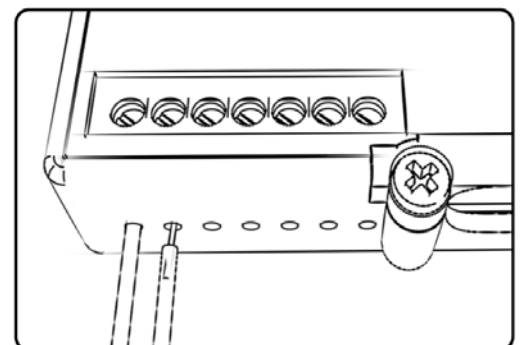
## OPTIONAL ACCESSORY INPUTS

- Map** (Input 1 or 2) The PC6 has the ability to hold 2 different base maps. You can switch on the fly between these two base maps when you hook up a switch to the MAP inputs. You can use any open/close type switch. The polarity of the wires is not important.
- Shifter** (Input 1 or 2) Used for clutch-less full throttle upshifts. Insert the wires from the Dynojet quick shifter into either Input 1 or Input 2. The polarity of the wires is not important. Set to Input 2 by default.
- Speed** If your application has a speed sensor then you can tap into the signal side of the sensor and run a wire into this input. This will allow you to calculate gear position in the Control Center Software. Once gear position is setup you can alter your map based on gear position and setup gear dependent kill times when using a quick shifter.
- Analog** This input is for a 0-5v signal such as engine temp, boost, etc. Once this input is established you can alter your fuel curve based on this input in the Power Core software.
- Launch** You can connect a wire to either Input 1 or Input 2 and then the other end to a switch. This switch when engaged (continuity) will only allow the RPM to be raised to a certain limit (set in the software). When released, you will have full RPM.

## WIRE CONNECTIONS

To input wires into the PC6 first remove the rubber plug on the backside of the unit and loosen the screw for the corresponding input. Using a 22-24 gauge wire, strip about 10mm from its end. Push the wire into the hole of the PC6 until it stops and then tighten the screw. Make sure to reinstall the rubber plug.

NOTE: If you tin the wires with solder it will make inserting them easier.



# INSTALLING THE POWER COMMANDER 6

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- 1 Remove the seat.
- 2 Remove the left and right side radiator shrouds.

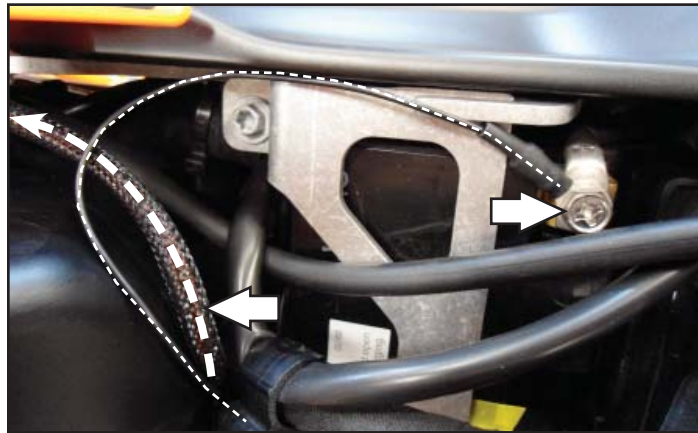


- 3 Remove both of the screws (one on each side) that secure the air box to the frame.



- 4 Loosen the clamp that secures the air box to the throttle body.
- 5 Lift upward on the rear of the air box. This should cause the rubber intake duct slip off of the throttle body.

- 6 Position the PC6 module above the battery while routing the wiring harness forward along the right side of the air box and towards the throttle body.
- 7 Secure the PC6 ground wire with the small ring lug to the negative (-) terminal of the bike's battery.



- 8 While lifting the rear of the air box to access the throttle body, unplug the stock wiring harness from the Fuel Injector located at the top of the throttle body.



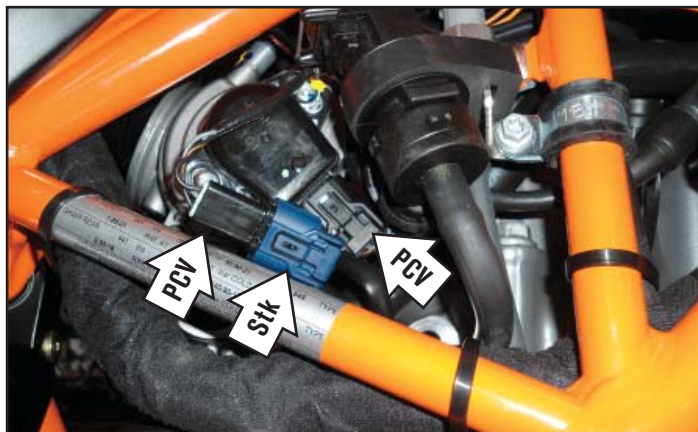
- 9 Plug the PC6 wiring harness in-line of the Fuel Injector and the stock wiring harness.



- 10 Locate and unplug the stock wiring harness from the Throttle Position Sensor.

**WARNING** - This TPS is located on the right side of the throttle body and has a BLUE connector. There is an identical connector on the left side of the throttle body. Be sure to connect to the one on the right side.

- 11 Plug the PC6 wiring harness in-line of the TPS and the stock wiring harness.



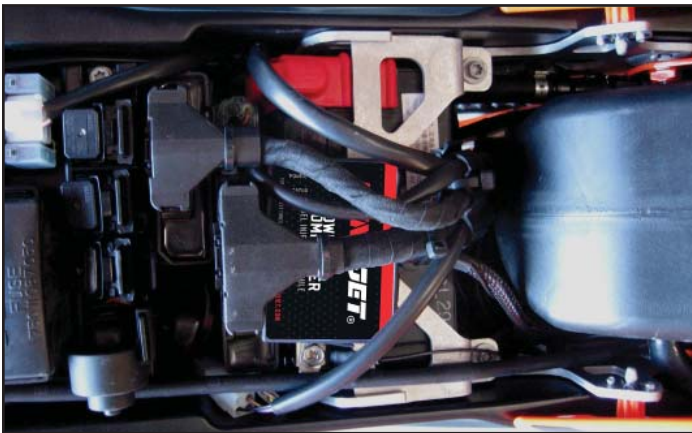




- 12 Locate and unplug the stock Crank Position Sensor connectors.

This is a **WHITE** 2-pin connector pair. It can be found near the large **BROWN** connectors for the bike's main wiring harness.

- 13 Plug the PC6 wiring harness in-line of the stock CPS connectors.



- 14 Using the supplied Velcro, secure the PC6 module to the top of the battery.

Clean both surfaces with the supplied alcohol swab prior to applying the Velcro.

- 15 Use the remaining zip ties to secure the PC6 wiring harness. Keep it free and clear from any hot or moving parts.

- 16 Slide the rubber intake duct back over the throttle body and tighten the clamp.

- 17 Reinstall the two screws that secure the air box to the frame.

- 18 Reinstall the radiator shrouds and the seat.

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