



VORTEX PERFORMANCE PTY LTD  
CROYDON SOUTH, VICTORIA  
AUSTRALIA

[www.vortexcdi.com](http://www.vortexcdi.com)

## KTM450 / 525XC 08-09 450SX / 505 09SX QUAD INSTALLATION INSTRUCTIONS

**Step 1:** Remove the front plastics to get access to the standard CDI at the front of the quad between the front shock absorbers. Unplug the 18 way connector on the CDI box.

**NOTE:** First press the locking tab on the connector before trying to remove it.

**Step 2:** Slide the Vortex X10 CDI inside the Rubber Mounting Boot and then slot the mounting bracket provided into slot in the back of the rubber mounting boot. Ensure the lip on the edge of the CDI Box fits into the corresponding lip inside the Rubber Mounting Boot.

**Step 3:** Plug the 18Way connector from the main wiring harness onto the VORTEX CDI box.

**Step 4:** Bolt the mounting bracket with CDI and Rubber Boot attached to the frame where the standard CDI mounted.

**Step 5:** Mount the Handlebar Switch on one side of the handlebar preferably near the grip. Run the wires behind the front plastic shrouds to the corresponding connector on the VORTEX X10 CDI.

**X10 Operation:** The X10 CDI has 10 Ignition Maps programmed into it. This will allow the selection of up to 10 performance settings. To access these settings put the HANDLEBAR SWITCH in the "MAP X10" position and then using a small screwdriver select 1 – 0 on the rotary switch under the rubber cap on the VORTEX CDI BOX.

**Note:** HANDLEBAR SWITCH position "MAP 1" will always be Position 1 on the X10 switch and HANDLEBAR SWITCH position "MAP X10" can be any Position 1 through 0 as selected on the X10 switch on the CDI box.

Therefore you can still switch dynamically via the HANDLEBAR SWITCH from "MAP1" (map 1 only) to "MAP X10" (any map from 1 through 0)

### INDEMNITY

Note: This is a performance product and is designed for competition use only. The manufacturer or their distributor accepts no responsibility for damage or injury caused by this product. Because we cannot control the application or use of this product, the buyer assumes all risks of any and all damage that may occur to their self, their machinery or third party due to the use of this product. The product is guaranteed against manufacturing defects.



**X10 CDI SETTINGS**  
**KTM450SX -09**  
**KTM505SX -09**

X10 Map File Name: km4fx7t1.saf

Handlebar Switch Position	X10 Switch Position	Switch Map Name	Power Type	Rev Limit RPM
"MAP 1"	1	Map 1	Best Overall Power	11,700
"MAP X10"	2	Map 2	Traction 1	11,700
"MAP X10"	3	Map 3	Traction 2	11,700
"MAP X10"	4	Map 4	Traction 3	11,700
"MAP X10"	5	Map 5	Linear Power 1	11,700
"MAP X10"	6	Map 6	Linear Power 2	11,700
"MAP X10"	7	Map 7	Hi Comp 35DBTDC	11,700
"MAP X10"	8	Map 8	Hi Comp 37DBTDC	11,700
"MAP X10"	9	Map 9	Standard Map (Grey Wire)	11,700
"MAP X10"	0	Map 10	Standard Map	11,700

JETTING AS TESTED KTM450SXF DIRT BIKE

- MAIN: 165
- NEEDLE: STD
- CLIP: STD
- PILOT (STD): 45

Standard Rev Limit 11,650