

# VOLOCAN INSTRUCTION MANUAL

## IMPORTANT NOTES

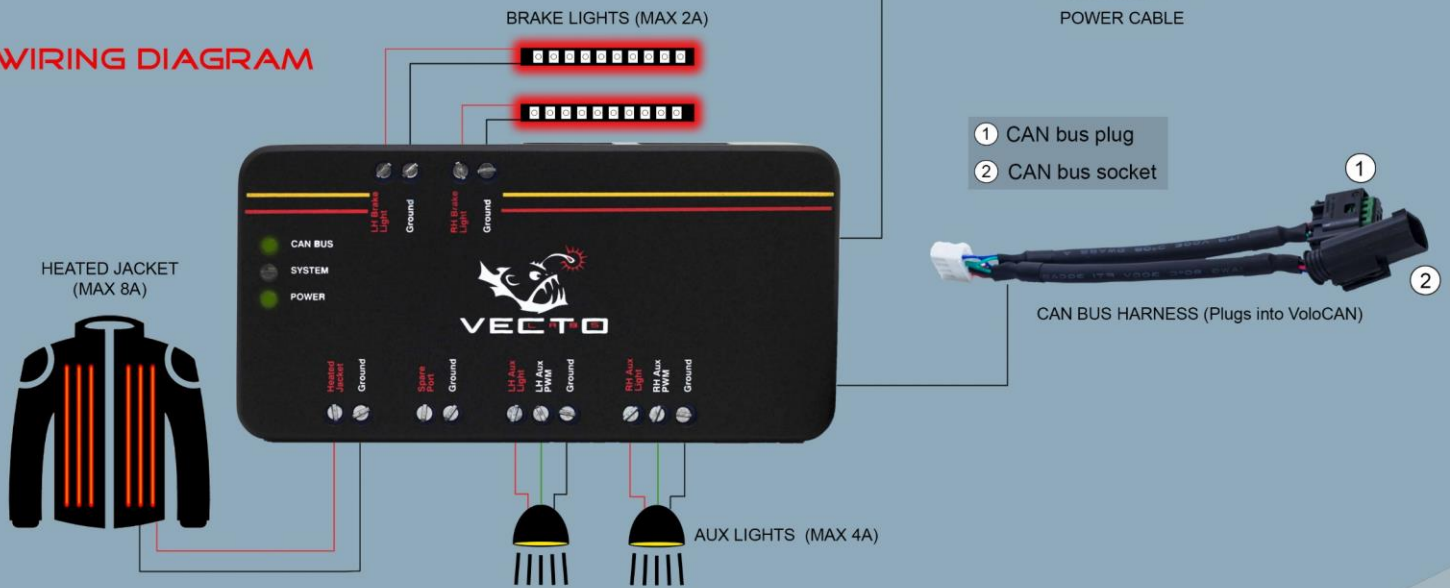
1. VoloCAN reads the engine on signal to turn on outputs thus preventing battery drain.
2. Accessory output turns on when the engine is on.
3. Brake light current consumption should not exceed 2A each.



Optional VoloLED designed for VoloCAN

4. Aux light current consumption should not exceed 4A each.
5. Check your heated jacket manual for power consumption.
6. Total current consumption of lights, heated jacket, and other accessories should not exceed 20A.
7. Disconnect the battery & VoloCAN if you are not riding the motorcycle for an extended period of time to prevent battery drain.

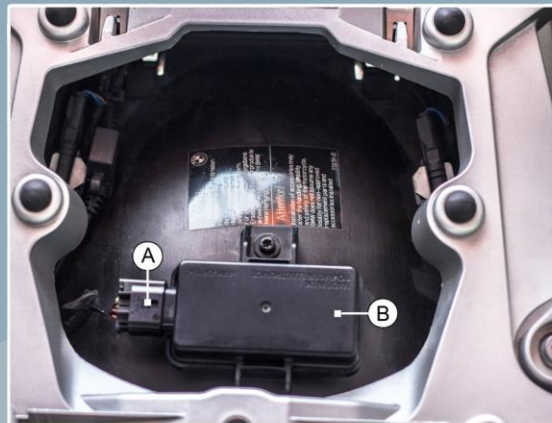
## 1. WIRING DIAGRAM



## 2. INSTALLATION INSTRUCTIONS:

**Note:** Installation method may vary depending on motorcycle model. Please refer to your motorcycle manual.

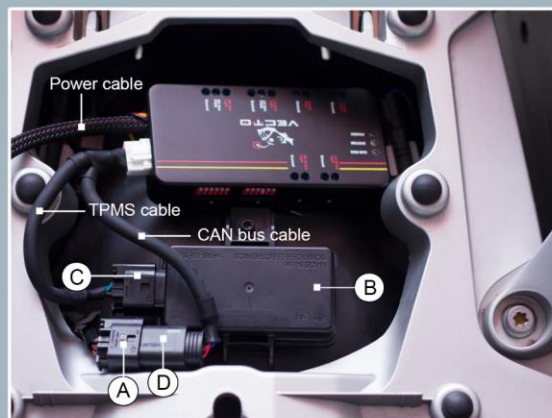
1. Mount aux lights as instructed by the manufacturer.
2. Route the lights cable to VoloCAN & connect them to the designated terminal blocks. Refer to the 'Wiring Diagram'.
3. Remove the passenger seat & disconnect A. Then, connect C to B.
4. Connect D to A.
5. Attach power cable to the battery. Ensure the polarity is correct – red wire goes to the positive (+) terminal & black wire goes to the negative (-) terminal.
6. Adjust the VoloCAN switches according to your preference. Refer to 'DIP Switch Settings'.
7. Turn on your motorcycle system & your aux lights should flash a few times to indicate that VoloCAN is on.
8. Turn on your engine. Aux lights & brake lights will turn on.
9. Turn off your engine, secure VoloCAN & re-attach the passenger seat.



Factory CAN bus plug



Tire Pressure Monitoring System (TPMS) module



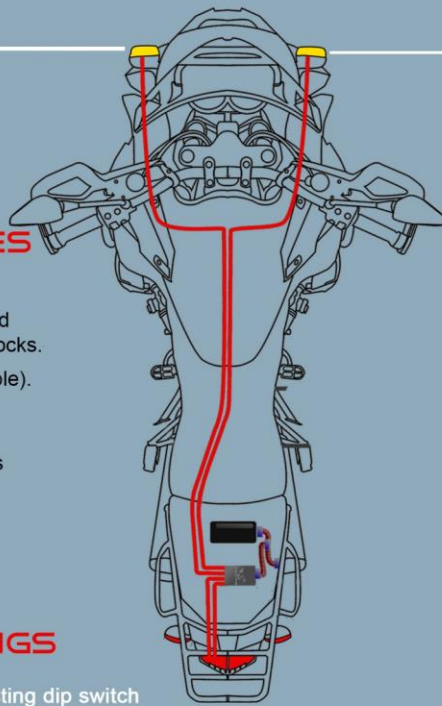
VoloCAN CAN bus plug



VoloCAN CAN bus socket

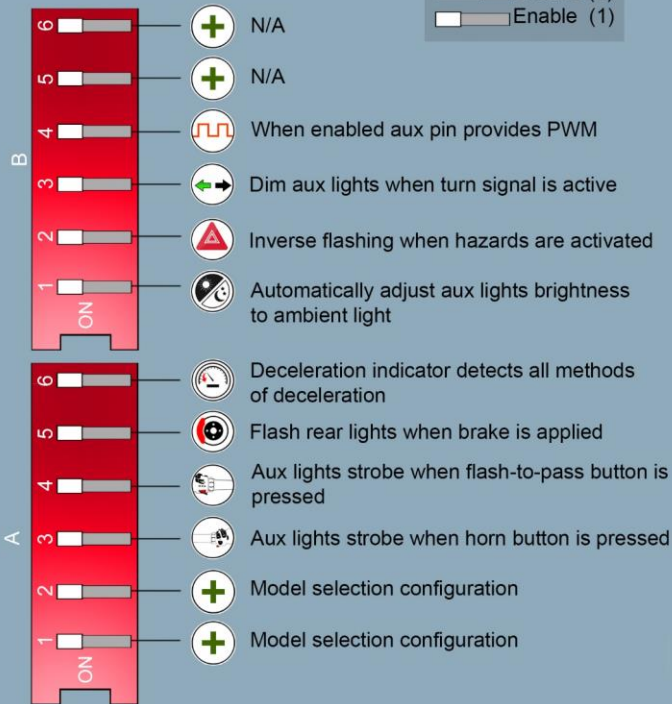
### 3. AUX LIGHTS: 2 WIRES & 3 WIRES

- 3-wire aux light configuration:
  - Connect the 12V, PWM and Ground wires to the designated terminal blocks.
  - Set DIP switch B6 is set to 1 (enable).
- 2-wire auxiliary light configuration:
  - Connect the 12V and Ground wires to the designated terminal blocks.
  - Leave the PWM terminal empty.
  - Set DIP switch B4 to 0 (disable).



### 5. DIP SWITCH SETTINGS

Note: Press the reset button after adjusting dip switch



### 4. ADJUSTING BRIGHTNESS OF THE AUX LIGHTS:

**⚠ WARNING! DO NOT ADJUST WHILE RIDING!!**

- Make sure the engine and the aux lights are on.
- Enter **adjustment mode** by pressing the cancel signal button 3 times consecutively in less than 5 seconds.
- The aux lights will blink 2 times, indicating the bike has entered adjustment mode.
- Rotating the wonderwheel upwards will increase the brightness and rotating downwards will do otherwise.



- The aux lights will flash 1 time when the brightness is at maximum or minimum.
- Exit **adjustment mode** by pressing the cancel signal button 3 times consecutively in less than 5 seconds.
- The aux lights will blink 2 times, indicating the bike has exited the adjustment mode.

### 6. LED INDICATORS

	<b>POWER</b> 12V battery is connected	- 12V battery is not connected - The 20A fuse is blown. Replace with similar fuse.
	<b>SYSTEM</b> Accessory power is connected	- Accessory power is not connected - Problem with wire harness
	<b>CAN BUS</b> CAN bus message is received	- No CAN bus signal - Motorcycle model is not supported - CAN bus harness is not connected - Problem with wire harness

### OTHER FEATURES

When high beam is activated, aux lights are at maximum brightness.

Brightness setting is saved when power is off.

Spare ports are activated when power is on.

Two options to turn on heated jacket:

- When heated grip is on.
- When info button is pressed 3 times in 5 seconds.

### SUPPORT

For more information, please visit: [www.vololights.com](http://www.vololights.com)

Or drop us an email at: [support@vectolabs.com](mailto:support@vectolabs.com)

### DISCLAIMER

- This product is designed and intended to enhance your visibility. No claim is made that the product will prevent accident, injury or death.
- Be sure to maintain compliance with local, state and federal laws as Vectolabs LCC makes no claim to the legality of this product for street use.

Proudly engineered by



*Well done! By buying VoloCAN, you're taking the first step to "make other drivers better drivers". On behalf of the team, I would like to personally thank you for supporting us and we wish you a great ride!*

*Faizal Ali, Co-founder of Vectolabs*