



USB Quick-Charge 3.0 Harness DNL.WHS.084

Thank you for choosing DENALI

We know you would rather be riding your bike than wrenching on it, so we go the extra mile to make sure our instructions are clear and as easy to understand as possible. If you have any questions, comments, or suggestions don't hesitate to give our experts a call at 401.360.2550 or visit WWW.DENALIELECTRONICS.COM

Please Read Before Installing

DENALI products should always be installed by a qualified motorcycle technician. If you are unsure of your ability to properly install a product, please have the product installed by your local motorcycle dealer. DENALI takes no responsibility for damages caused by improper installation. **Caution:** When installing electronics it is extremely important to pay close attention to how wires are routed, especially when mounting products to the front fender, front fork, or fairing of your motorcycle. Always be sure to turn the handlebars fully left, fully right, and fully compress the suspension to ensure the wires will not bind and have enough slack for your motorcycle to operate properly.

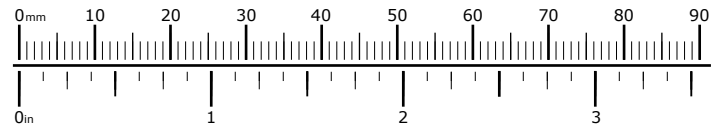
Installation Tips

We strongly recommend using medium strength liquid thread locker on all screws and bolts. It is also important to ensure that all hardware is tightened to the proper torque specifications as listed in your owner's manual. For included accessory hardware please refer to the default torque specifications provided below. Inspect all hardware after the first 30 miles to ensure that proper torque specifications are maintained.

Bolt Size	in-lbs	ft-lbs	Nm
M3	10.0 in-lbs	-	1.0 Nm
M4	23.0 in-lbs	-	2.5 Nm
M5	44.5 in-lbs	3.5 ft-lbs	5.0 Nm
M6	78.0 in-lbs	6.5 ft-lbs	9.0 Nm
M8	-	13.5 ft-lbs	18.0 Nm
M10	-	30.0 ft-lbs	41.0 Nm
M12	-	52.0 ft-lbs	71.0 Nm

Hardware Sizing Guide

Not sure what size bolt you have? Use this ruler to measure screws, bolts, spacers, etc. Remember, the length of a screw or bolt is measured from the start of the "mounting surface" to the end of the screw, so only include the screw head when measuring countersunk screws.

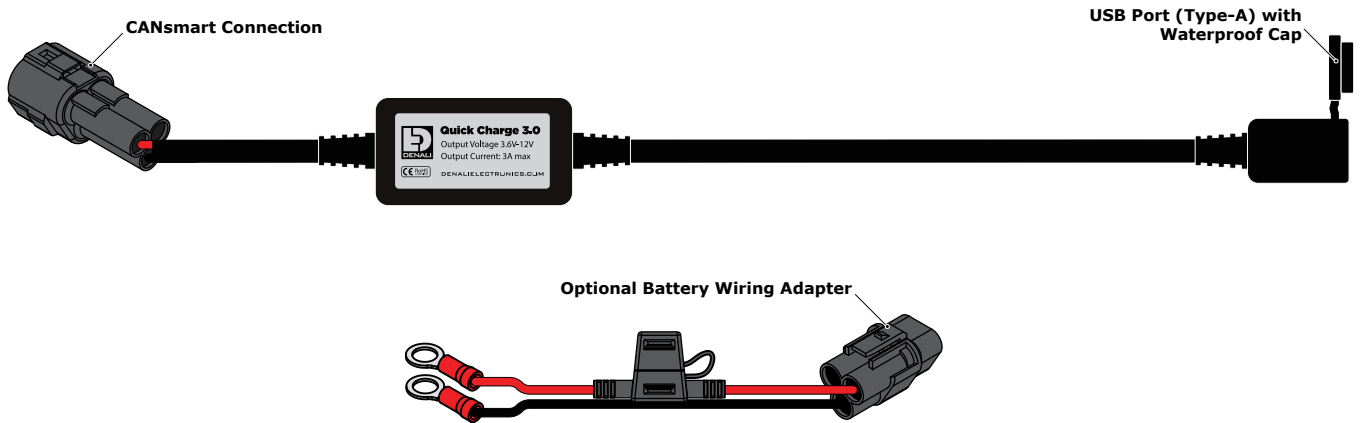


What's In The Box?



Kit Contents

- (a) USB Quick Charge 3.0 Harness.....Qty 1
- (b) Battery Wiring Adapter.....Qty 1



1.1 - Overview of Harness

The DENALI USB Quick Charge 3.0 Harness is the ultimate motorcycle charging cable for your phone, GPS, camera, or any other device that can be charged via USB.

The Harness is plug & play compatible with all GEN II DENALI CANsmart™ Controllers; no wire tapping or other modifications are necessary, just plug directly into one of the circuits of the CANsmart to send the power from your controller to the USB Port.

The optional Battery Wiring Adapter also allows the harness to be wired directly to

1.2 - Charger Specifications

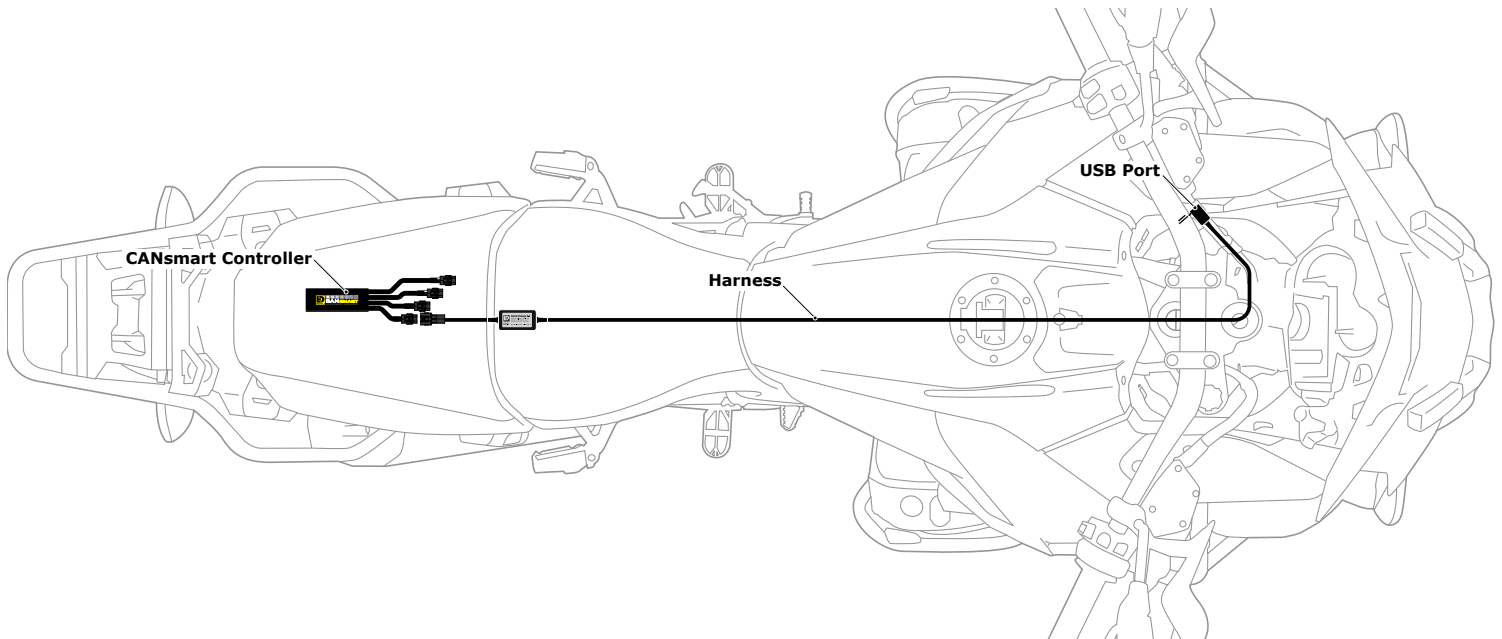
Input Voltage: DC 12V-24V

Output Voltage: DC 3.6-12V auto-adaptive (Quick Charge 2.0/3.0)

Output Current: DC 3.6-6V@3A, DC 6.2-9V@2A, DC 9-12V@1.5A

Output Power: 18W max

2. Connecting To The CANsmart



2.1 - Wire routing

The USB Quick Charge 3.0 Harness can be used with any of the four circuits of the CANsmart Controller. Select an unused circuit on the controller and follow the steps below. For instructions on how to wire directly to the battery for non-CANbus vehicles, please proceed to *Section 4*.

Step One: Plug the male 3-pin connector of the USB Quick Charge 3.0 Harness into one of the CANsmart™ Controller's circuits.

Step Two: Begin routing the harness toward the front of the bike. Secure the harness to the vehicle's frame along the way with zip ties. Be sure to avoid any moving components such as radiator fan blades or suspension.

Step Four: Use zip ties to secure the USB port to an easily accessible area near the handlebars. It's recommended to follow the routing of the clutch cable or brake line up to the handlebar.

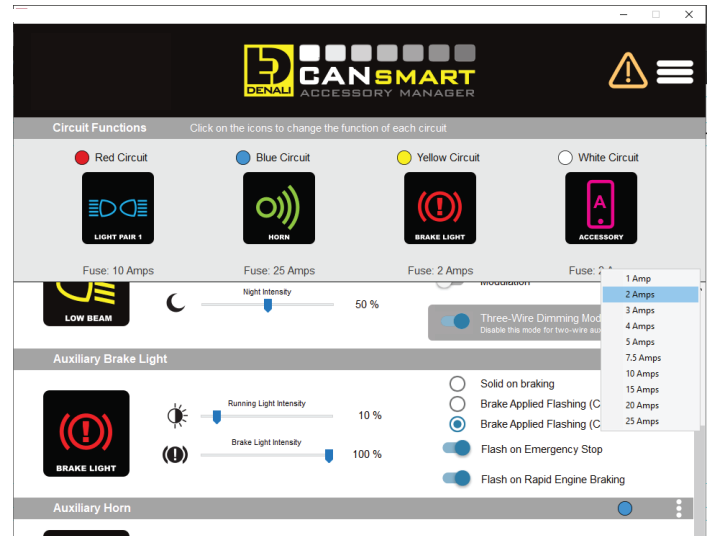
3. Configure The CANsmart Controller



3.1 - Selecting The Circuit Function

The CANsmart Accessory Manager will be used to configure your controller for operation of the USB harness, for further details of how to use the software refer to the manual that was provided with your CANsmart Controller.

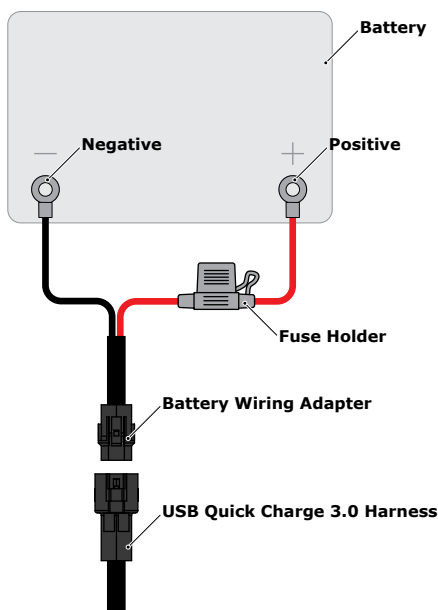
Step One: Use the Circuit Function Selector to configure the circuit the USB Quick Charge 3.0 Harness is connected to to be "Accessory", then click apply.



3.2 - Setting The Fuse Value

Step One: Click the fuse value underneath the "Accessory" circuit and set the fuse value to 2 Amps.

4. Wiring For Non-CANbus Vehicles



4.1 - Battery Connections

Step One: Connect the Battery Wiring adapter to the USB Quick Charge 3.0 Harness.

Step Two: Remove the fuse from the fuse holder.

Step Three: Access the vehicle's battery and disconnect the negative (-) and positive (+) terminals.

Step Four: Connect the Battery Wiring Adapter to the battery via the ring terminals, be sure the red wire lead with the fuse holder in-line goes to the positive (+) terminal of the battery.

Step Five: Re-install the fuse into the fuse holder.

Note: When possible, place the fuse holder in an easily accessible location for convenient service in the event of a blown fuse.