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# Telemetry Expander 2.0 Installation Instructions

**Covers Parts #6550X, 6553X**

**Note:** Expander mounts are available for most vehicles to make installation of the Telemetry Expander 2.0 easier and more secure. Visit **Traxxas.com** or contact your local hobby dealer to obtain the correct expander mount for your particular vehicle.

**Kit contents:**

- Telemetry Expander 2.0 (1)
- Communication cable (425mm) (1)
- 3x10mm cap screws (2)
- Silicone grease (Traxxas part #1647) (1)
- Zip tie (1)

**Installation:**

**Note: Unplug the battery from the electronic speed control (ESC) before beginning installation. Remove the wire clamp and the receiver cover to gain access to the receiver.**

**A.** Install the expander on a previously installed expander mount (not included) with the supplied 3x10mm cap screws (2).

**B.** Remove the front cover from the expander.

**C.** Plug the communication cable and desired sensors into the expander.

**Note:** Before sealing the covers on the expander and receiver box, make sure all smart sensors for telemetry expansion have been installed and are operating properly. Ensure that the blue o-ring is properly seated in the groove around the receiver box. Refer to the vehicle Owner's Manual for detailed instructions on maintaining a watertight seal.

**D.** Apply a small bead of silicone grease to the foam on the expander and the top of the foam insert.

**E.** Route the communication cable and the smart sensor cable(s) over and/or between the foam inserts on the expander.

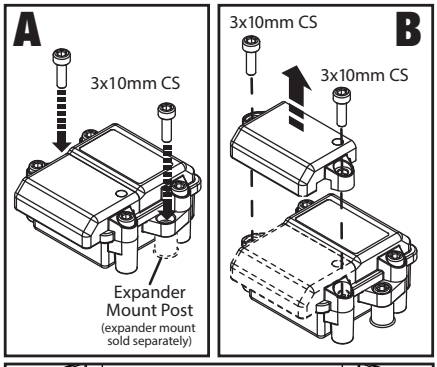
**F.** Replace the expander cover and reinstall the 3x10mm cap screws (2).

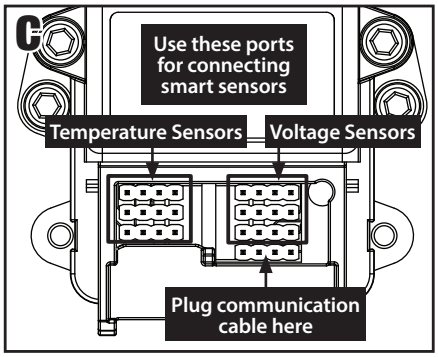
**G.** Connect the communication cable to the expansion port on the receiver* *(see Wiring Diagram)*.

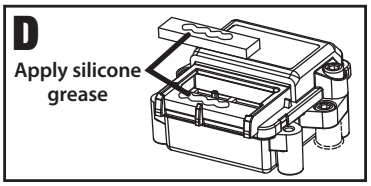
**H.** Power up the system and verify that all sensors have linked, indicated by a solid or blinking green LED on the expander. **If the LED is blinking red, there is an error in the system**.

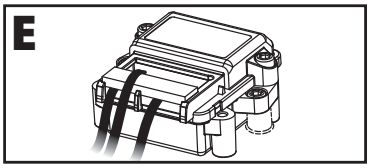
- **Solid green LED** = the GPS location is set (or the GPS module 2.0 is not installed) and the expander is ready
- **Blinking green LED** = the GPS Module 2.0 is installed and the expander is searching for a GPS signal

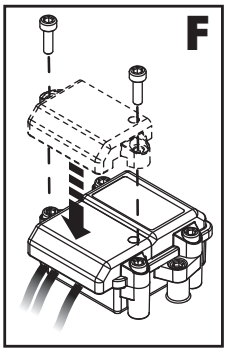
*Firmware update via Traxxas Link™ is required to use the Telemetry Expander 2.0 with the receiver. Visit ***Traxxas.com/telemetry*** for complete information and instructions on compatible devices and using the Traxxas Link™ App and the Telemetry Expander to capture and display real-time telemetry, such as voltage and temperature.



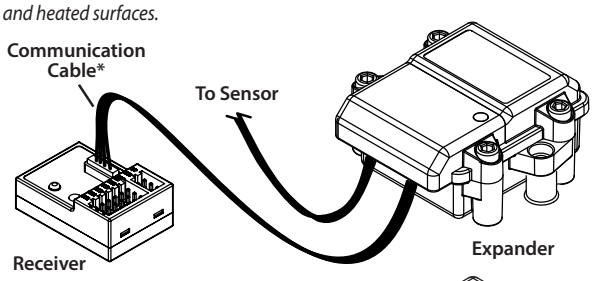



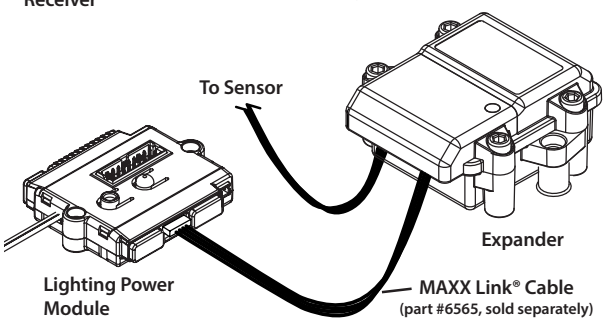




## Wiring Diagrams

**Use the included zip tie to coil and secure any excess length of the communication cable. Ensure the cable is kept away from any moving parts and heated surfaces.*




**For ease of installation, the Telemetry Expander 2.0 can also be connected to either of these three additional power sources:**

- If your vehicle is already equipped with the High-Voltage Power Amplifier (part #6590), connect the expander directly to the accessory port on the amplifier using the MAXX Link Cable (part #6565, sold separately).
- If your vehicle is already equipped with the Pro Scale® Lighting Power Module (part #6592), connect the expander directly to the ***MAXX Link OUT*** port on the module using the MAXX Link Cable (part #6565, sold separately).
- If your vehicle is already equipped with the Velineon VXL-6s electronic speed control (part #3485) or the VXL-8s electronic speed control (part #3496), connect the expander directly to the accessory port on the speed control using the Data Link Cable (part #6566, sold separately).

***Note:*** *Traxxas models may have some telemetry-ready parts installed from the factory. Please inspect the model before installation.*

***Required for Telemetry GPS operation:***

- *TQi radio system with Traxxas Link™ Wireless Module (part #6511)*
- *Traxxas Link receiver (part #6533)*
- *Telemetry GPS Module 2.0 (part #6551X)*
- *Apple® iOS or Android™ mobile device (visit **Traxxas.com** for a list of current compatible devices)*
- *Traxxas Link App (latest version available free from the Apple® App Store℠ or on Google Play™)*

This device complies with FCC Part 15 & IC RSS-210 rules subject to the following conditions: 1) This device may not cause harmful interference, and 2) This device must accept all interference received, including interference that may cause undesired operation.

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