Thank you for purchasing an Environmental DustTrak™ Aerosol Monitor Wireless Router Accessories (PN 801903 & 801906). These instructions will help you quickly install your Wireless Router into the Environmental Enclosure (PN 8535).

Unpacking the Wireless Router Accessories

1. Carefully unpack the Wireless Router and Mounting Kit from the shipping container and verify that all the items listed in the following table are present.

Qty.	Item Description	Reference Picture
1	GL-AR150 Wireless Router with USB Cable	
1	4" Wireless 1dB Hinged Antenna	
1	12" RJ45 Cable Cat 6	

2. Contact TSI immediately if items are missing or broken.

3. The DustTrak model numbers 8530(EP) and 8533(EP), should be installed into the enclosure prior to starting this installation procedure.

4. Configuration of the wireless router and DustTrak Ethernet IP address should be completed prior to starting this installation procedure.

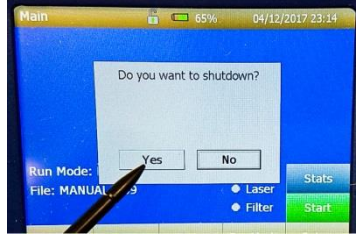| Qty.	Item Description	Reference Picture
1	18" RP-SMA Extension Cable (Male to Female) with antenna post and sealing gland	
1	O-ring	
1	3M™ Command™ brand Strips 6 PK	

Tools Needed for Installation

- Adjustable Wrench capable of opening to 1.188"
- Phillips Screwdriver

Installing Wireless Router into the Environmental Enclosure
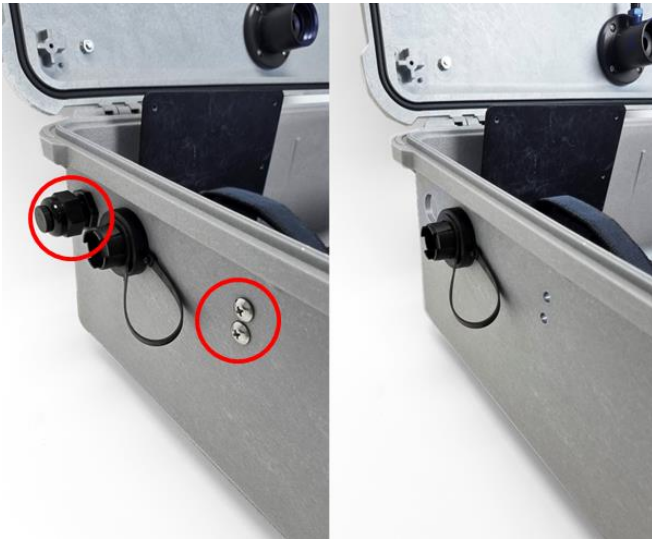
1. DustTrak monitor's power should be off prior to starting this procedure.

2. Using a Phillips screwdriver, remove the two screws on the left side of the enclosure. Using an adjustable wrench, also remove the gland seal on the same side. The image below illustrates what the enclosure should like after the screws and gland have been removed.

   NOTE

   DO NOT discard any components that have been removed.

3. Install the O-ring into the groove on the antenna assembly.

4. Remove the outer most nut on the gland seal.

5. Using a Phillips screwdriver, attach the antenna assembly to the side of the enclosure using the two screws removed in Step 1.

6. Using the nut that was removed in Step 4, attach the gland seal to the side of the enclosure. If needed, use an adjustable wrench to apply a small amount additional of torque to the nut.
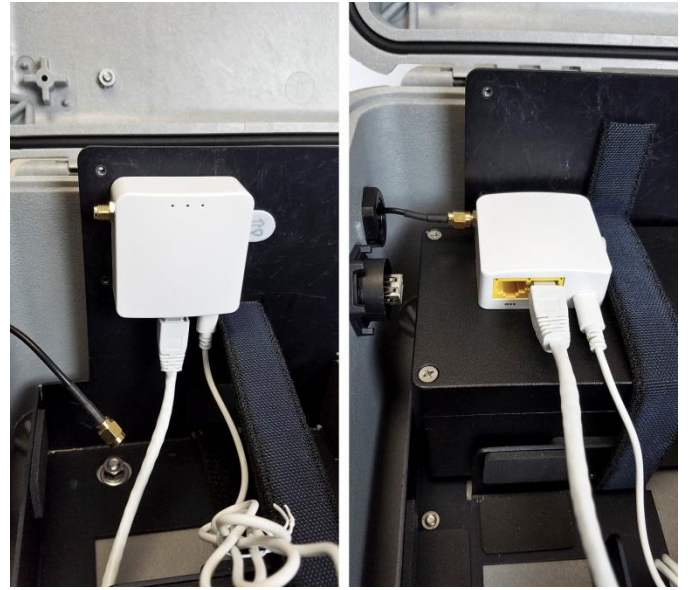

7. Remove blue liner and attach a 3M™ Command™ brand strip to the back of the wireless router. Be sure not to cover the vent holes. Refer to the Command™ brand strip box for additional instructions.

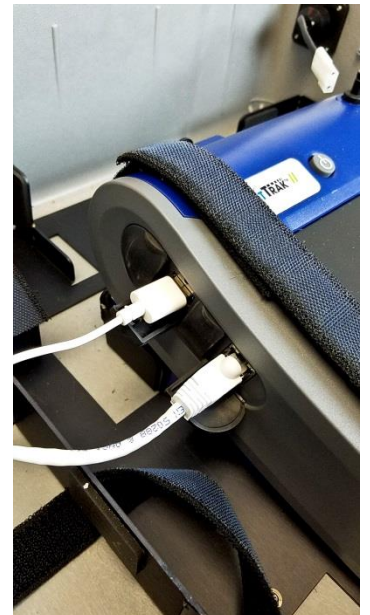8. Connect the USB cable and the RJ45 cable to the router.

9. Remove the black liner and attach the router to the metal plate inside the enclosure.

10. If the external pump is present, mount the router to the top of the pump as shown.

11. Connect the antenna cable to the router.

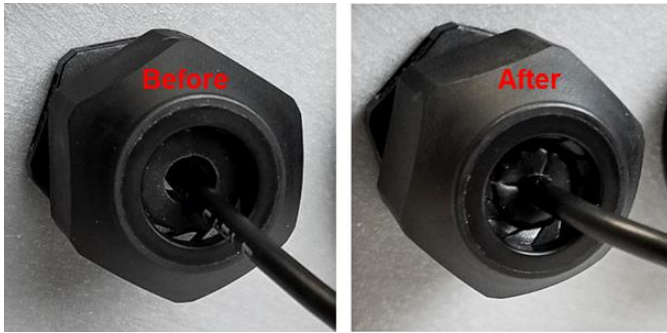12. Connect the USB cable and RJ45 cable to the DustTrak instrument.

13. Screw the hinged antenna to the top of the antenna assembly.

14. Using the adjustable wrench, tighten the compression nut on the outside of the gland to create a water-tight seal between the gland and antenna cable as shown in the picture. Be careful not to over-tighten.

Before   After

15. Power on the DustTrak Aerosol Monitor. After two (2) minutes, the red and green LEDs on the wireless router will also be on.

UNDERSTANDING, ACCELERATED

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