

Mini-Dalmatian

Installation Instructions



ZERO TOUCH
SECURE WIRELESS NETWORK

Table of Contents

Required Tools & Accessories	2
Router Installation	4
Connection:	17
Final Assembly	21
Operational Setup	26
Wall Mount Setup.....	30
Pole Mount Setup	33
Disclaimer	36
Support Contact & Version #	36

Required Tools & Accessories

The following tools (not provided) are required for the installation of the Mini-Dalmatian case antenna:

- Phillips Head Screwdriver

The tables below list the required accessories for the Mini-Dalmatian antenna.

	Mini-Dalmatian-L	
	Mini-Dalmatian-L	
Provided with Antenna	• PTA0399-TL Pan Head Screws, 4 pcs • PTA0963 Screws + PTA0964 Washers, 6 pcs • PTA0972 Keys for the Mini-Dalmatian, 2 pcs • Wall Mounting Kit: • PTA0343 Pan Head Screws, 4 pcs • PTA0344, 4 pcs • Pole Mounting Kit: • PTA0423 Pan Head Screws, 6 pcs • PTA0781 Worm-drive Clamps, 2 pcs • Router Plate • SMA Wrench	
	Mini-Dalmatian-L	
To be Purchased by Customer	• Router Options (for other routers, contact customer service at support@parsec-t.com) ○ Ericsson IBR600 Router ○ Ericsson IBR900 Router ○ Ericsson R500 Router ○ Ericsson R920 Router ○ Ericsson R980 Router ○ Ericsson S700 Router ○ Peplink MAX BR1 Pro 5G • Router Power Adapter * • Ethernet Cords **	

* For powering the router, length as required by customer, type determined by Router option selected

**Optional for connecting external devices to the router, length as required by customer

Provided with Antenna	Mini-Dalmatian-XR
	• PTA0963 Screws + PTA0964 Washers, 6 pcs • PTA0972 Keys for the Mini-Dalmatian, 2 pcs • PTA1166 Router Mounting Screws, 2 pcs • Wall Mounting Kit: • PTA0343 Pan Head Screws, 4 pcs • PTA0344, 4 pcs • Pole Mounting Kit: • PTA0423 Pan Head Screws, 6 pcs • PTA0781 Worm-drive Clamps, 2 pcs • Router Plate • SMA Wrench
To be Purchased by Customer	Mini-Dalmatian-XR
	• Router Options (for other routers, contact customer service at support@parsec-t.com) ○ AirLink RX400 ○ AirLink XR60 • Router Power Adapter * • Ethernet Cords **

* For powering the router, length as required by customer, type determined by Router option selected

**Optional for connecting external devices to the router, length as required by customer

Router Installation

Step 1: Connect the antenna cables to the router.

- A. Use canned air or isopropyl alcohol to clean all the connectors to ensure that there is no dust in the terminals.
- B. Connect the antenna cables to the designated terminals on the router, as shown in the tables and images below.

Ericsson IBR600, IBR900, & R500	
Antenna Cable	Router Terminal
CELL 1	MAIN
CELL 2	AUX
GPS	GPS
Wi-Fi 1	2.4/5 GHz, left
Wi-Fi 2	2.4/5 GHz, right

Ericsson R920	
Antenna Cable	Router Terminal
CELL 1	CELL 1 <i>left</i>
CELL 2	CELL 2 <i>right</i>
GPS	GNSS <i>middle</i>
Wi-Fi 1	Wi-Fi 1 <i>middle left</i>
Wi-Fi 2	Wi-Fi 2 <i>middle right</i>
Bluetooth	BT

Peplink MAX BR1 Pro 5G	
Antenna Cable	Router Terminal
CELL 1	Cellular A
CELL 2	Cellular B
CELL 3	Cellular C
CELL 4	Cellular D
GPS	GPS
Wi-Fi 1	Wi-Fi A
Wi-Fi 2	Wi-Fi B

AirLink RX400	
Antenna Cable	Router Terminal
CELL 1	Cellular 1
CELL 2	Cellular 2
GPS	GNSS
Wi-Fi 1	Wi-Fi

Ericsson S700	
Antenna Cable	Router Terminal
CELL 1	1
CELL 2	2
GPS	GNSS
Wi-Fi 1	Wi-Fi 1
Wi-Fi 2	Wi-Fi 2

Ericsson R980	
Antenna Cable	Router Terminal
CELL 3	CELL 1 <i>left</i>
CELL 1	CELL 2 <i>middle left</i>
GPS	GNSS <i>middle</i>
CELL 4	CELL 3 <i>middle right</i>
CELL 2	CELL 4 <i>right</i>
Wi-Fi 1	Wi-Fi 1 <i>left</i>
Wi-Fi 2	Wi-Fi 2 <i>right</i>

AirLink XR60	
Antenna Cable	Router Terminal
CELL 1	Cellular 1
CELL 2	Cellular 2
CELL 3	Cellular 4
CELL 4	Cellular 3
GPS	GNSS
Wi-Fi 1	Wi-Fi 1
Wi-Fi 2	Wi-Fi 2



Figure 1: Ericsson IBR600, IBR900, & R500 Connections

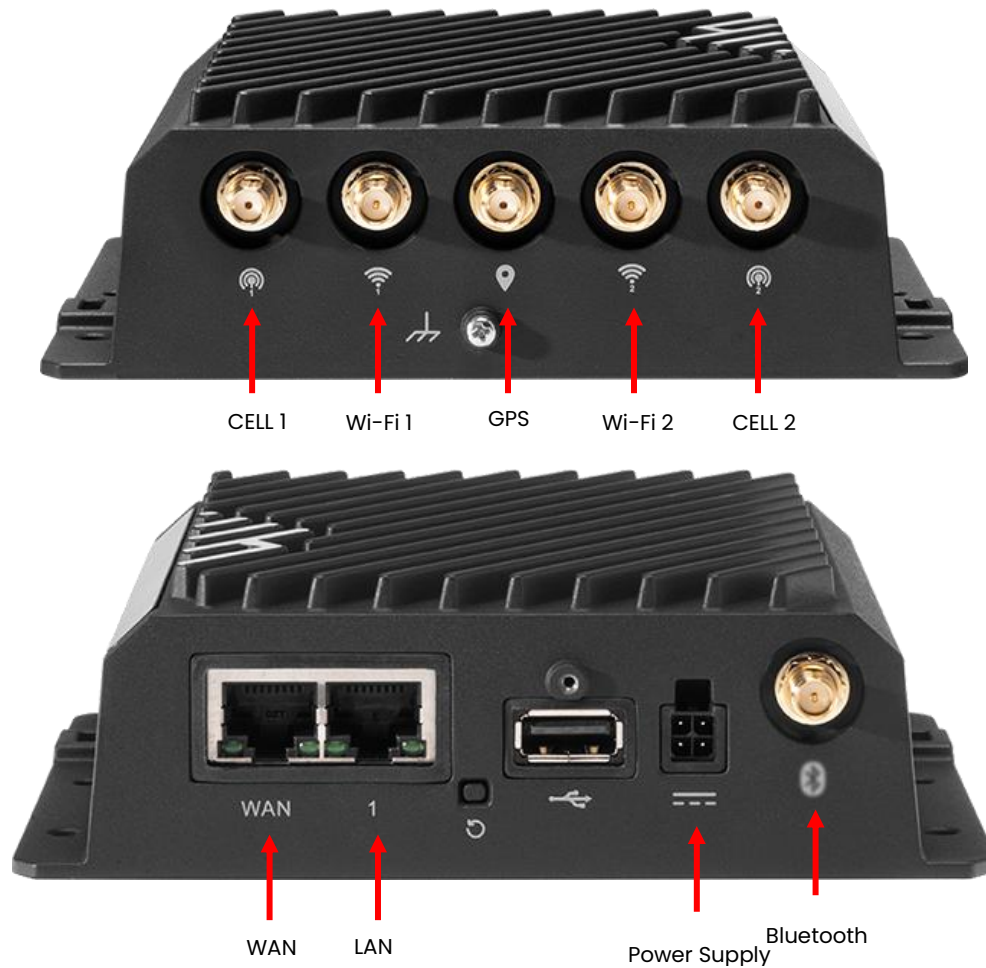


Figure 2: Ericsson R920 Connections



Figure 3: Ericsson R980 Connections

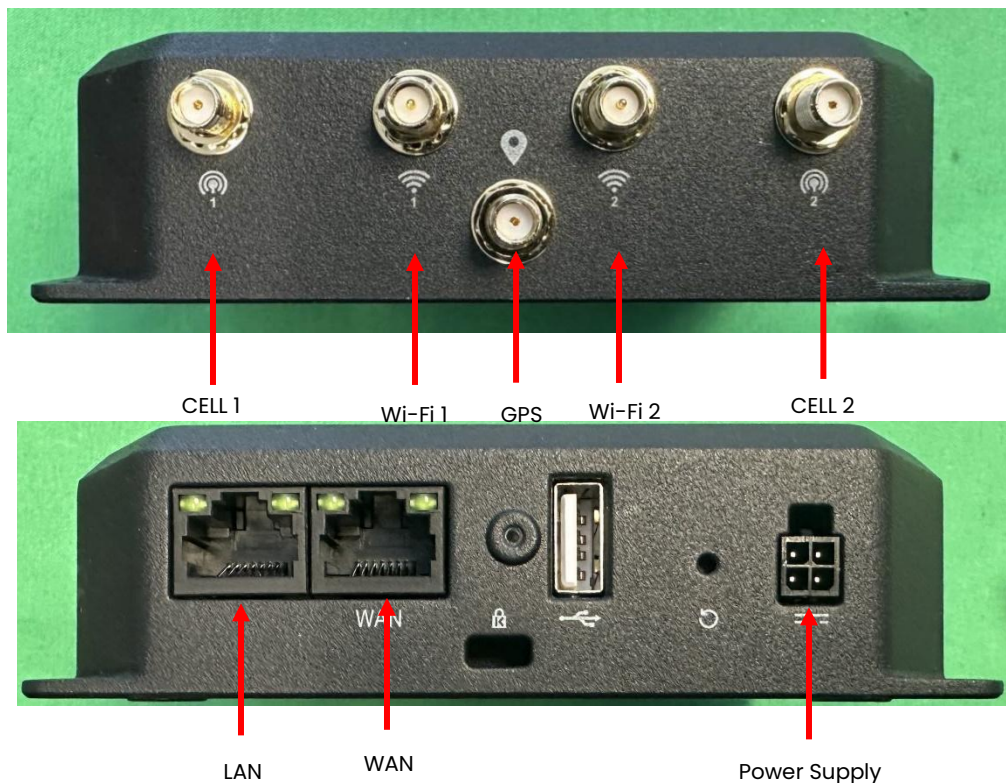


Figure 4: Cradlepoint S700 Connections

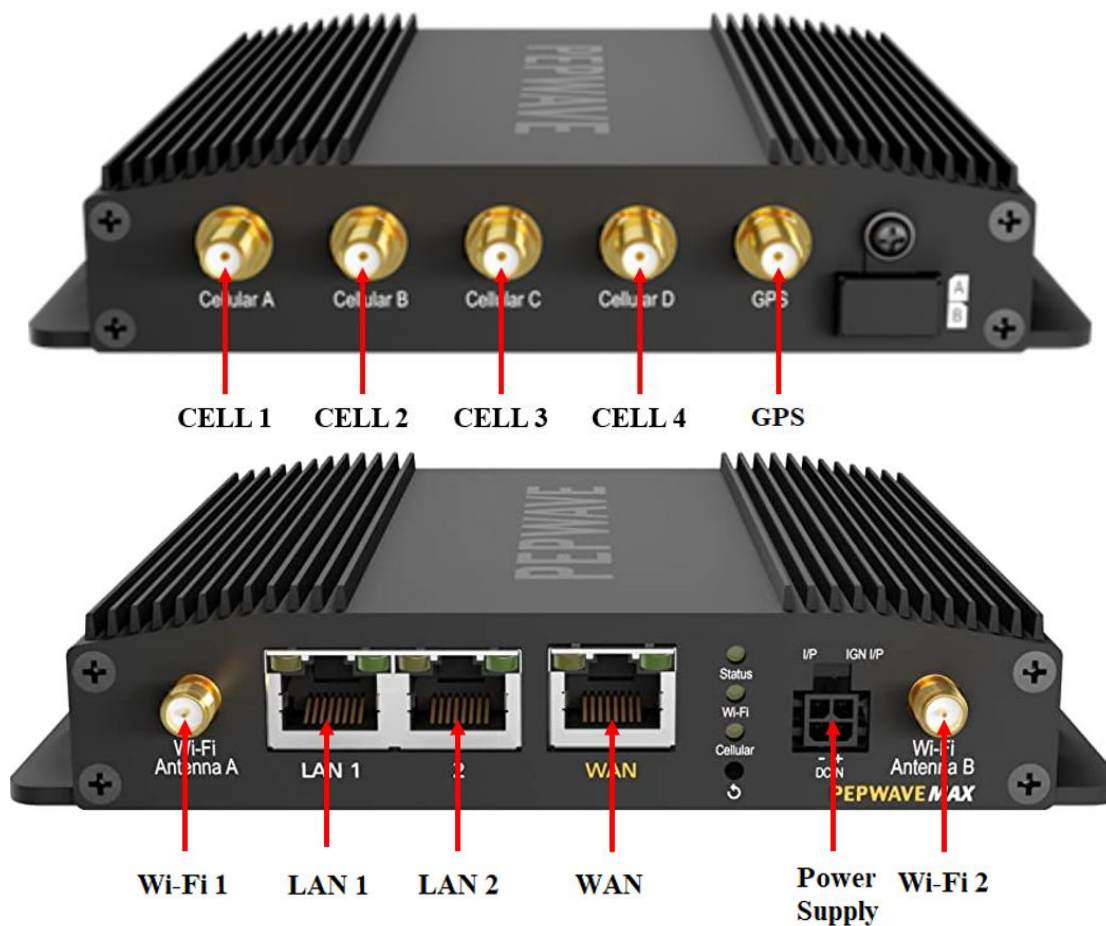


Figure 5: Peplink MAX BR1 Pro 5G Connections



Figure 6: AirLink XR60 Connections

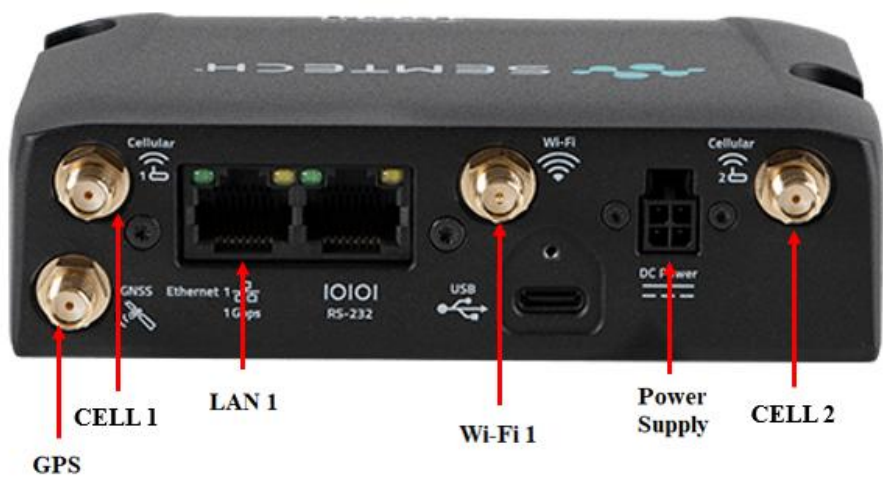


Figure 7: AirLink RX400 Connections

Step 2: Mount the router to the router plate.

A. For the **Ericsson IBR600, IBR900, and R500 Routers:**

- I. Mount the router using the four PTA0399-TL Screws, as shown in Figure 8.

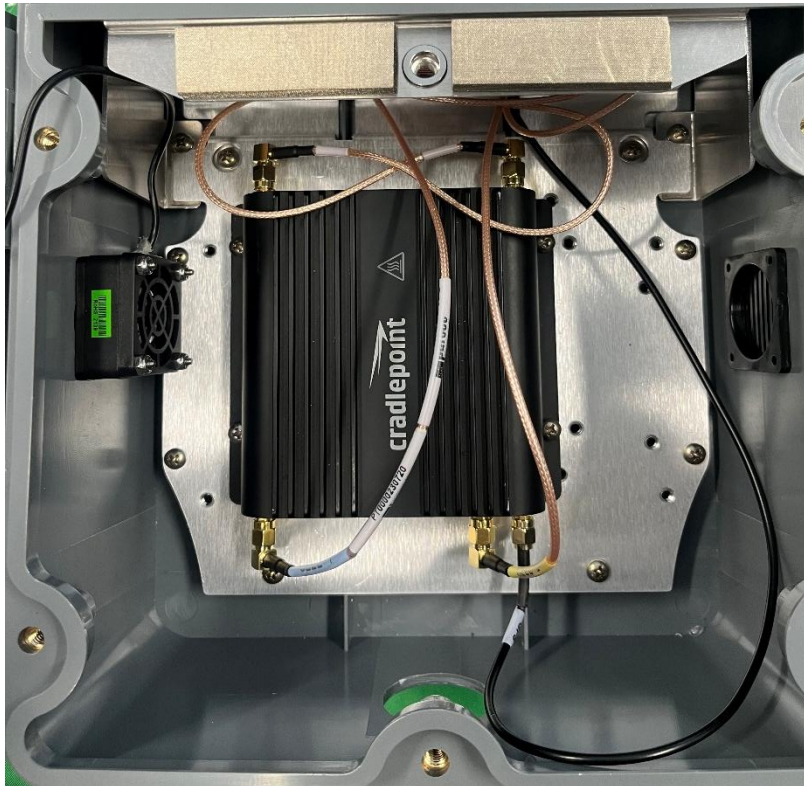
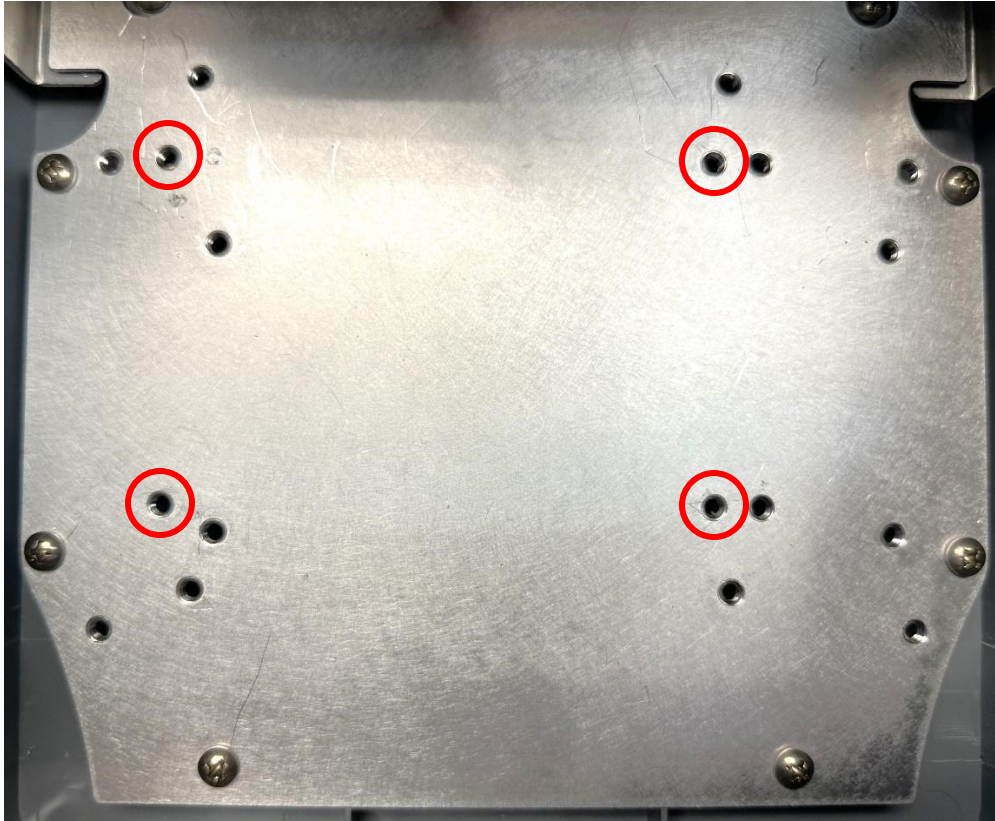


Figure 8: Ericsson IBR600, IBR900, and R500 Router installation

B. For the Ericsson R920 Router:

- I. Mount the router using the four PTA0399-TL Screws, as shown in Figure 9.

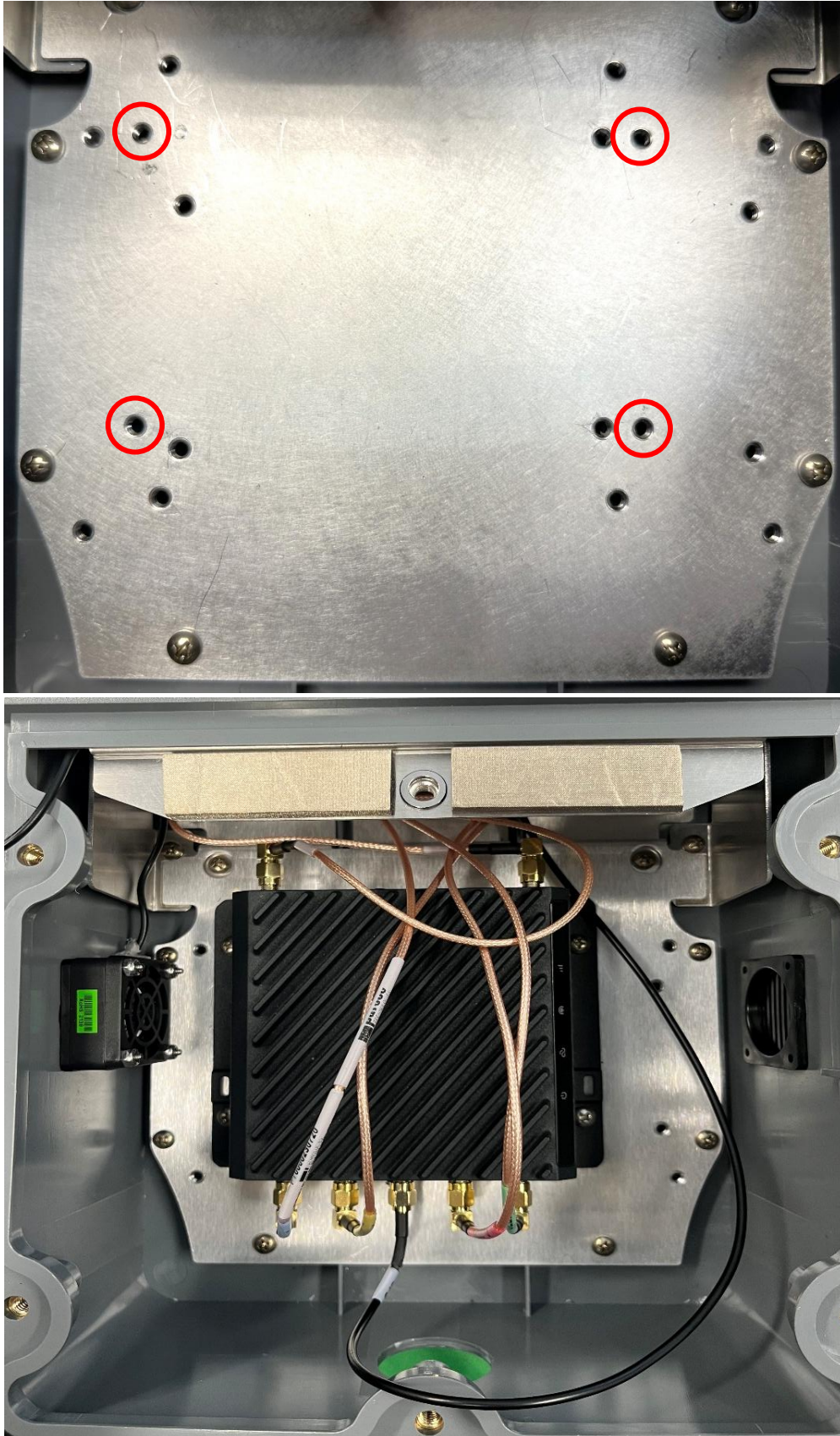


Figure 9: Ericsson R920 Router installation

C. For the Ericsson R980 Router:

- I. Mount the router using the four PTA0399-TL Screws, as shown in Figure 10.

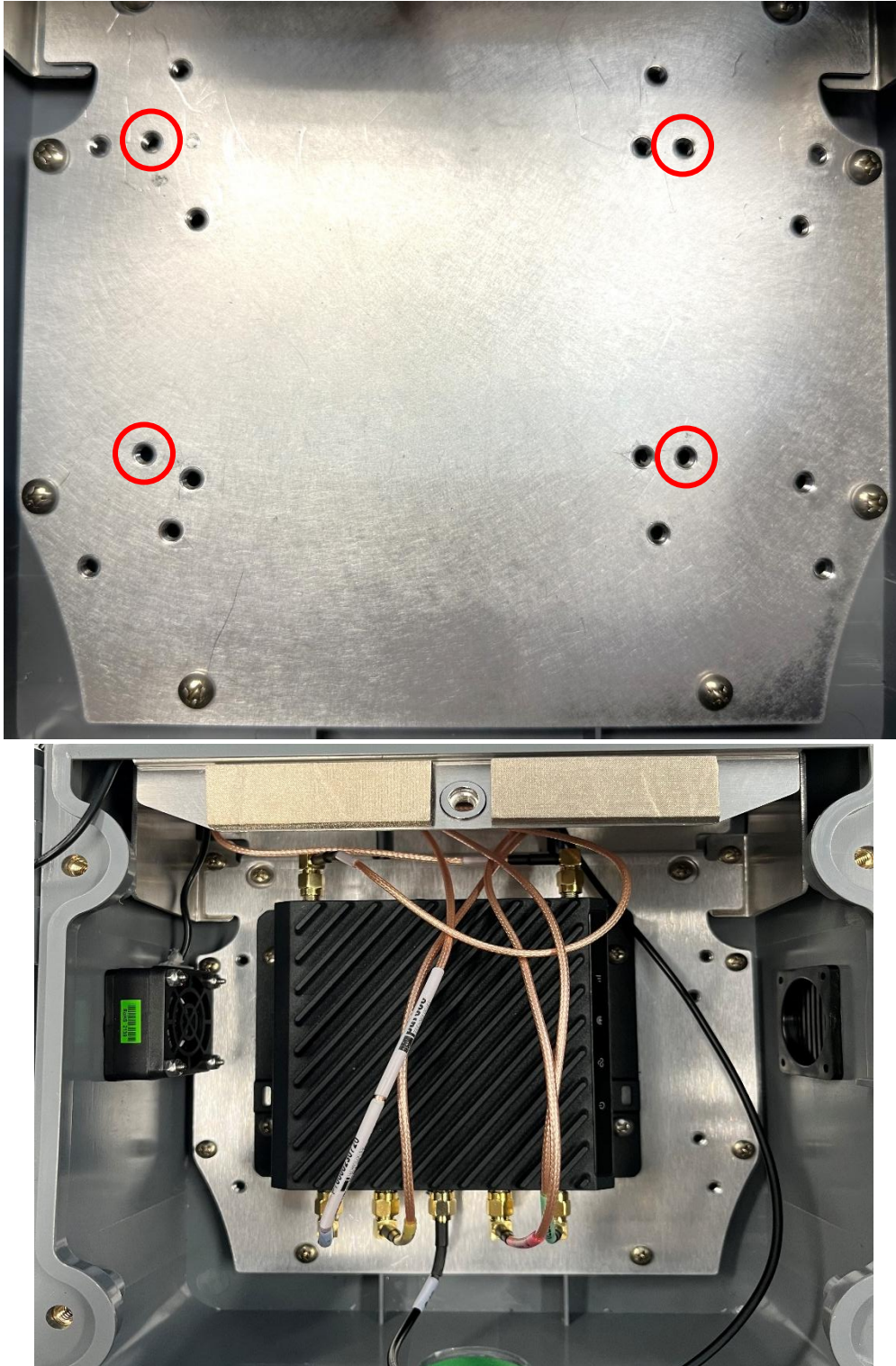


Figure 10: Ericsson R980 Router installation

D. For the Ericsson S700 Router:

- I. Mount the router using the four PTA0399-TL Screws, as shown in Figure 11.

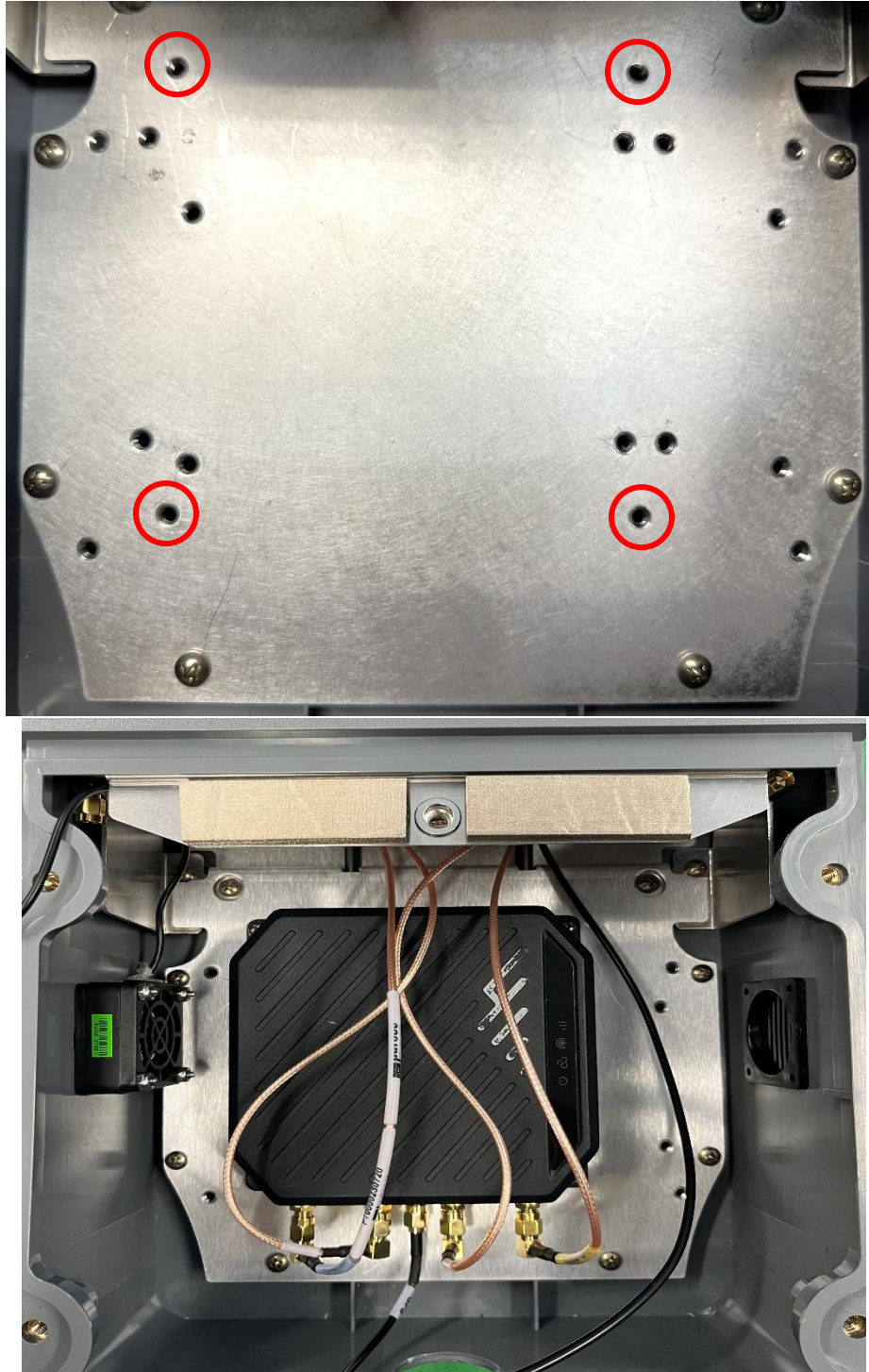


Figure 11: Ericsson S700 Router installation

E. For the **Peplink MAX BR1 Pro 5G Router**:

- I. Mount the router using the four PTA0399-TL Screws, as shown in Figure 12:

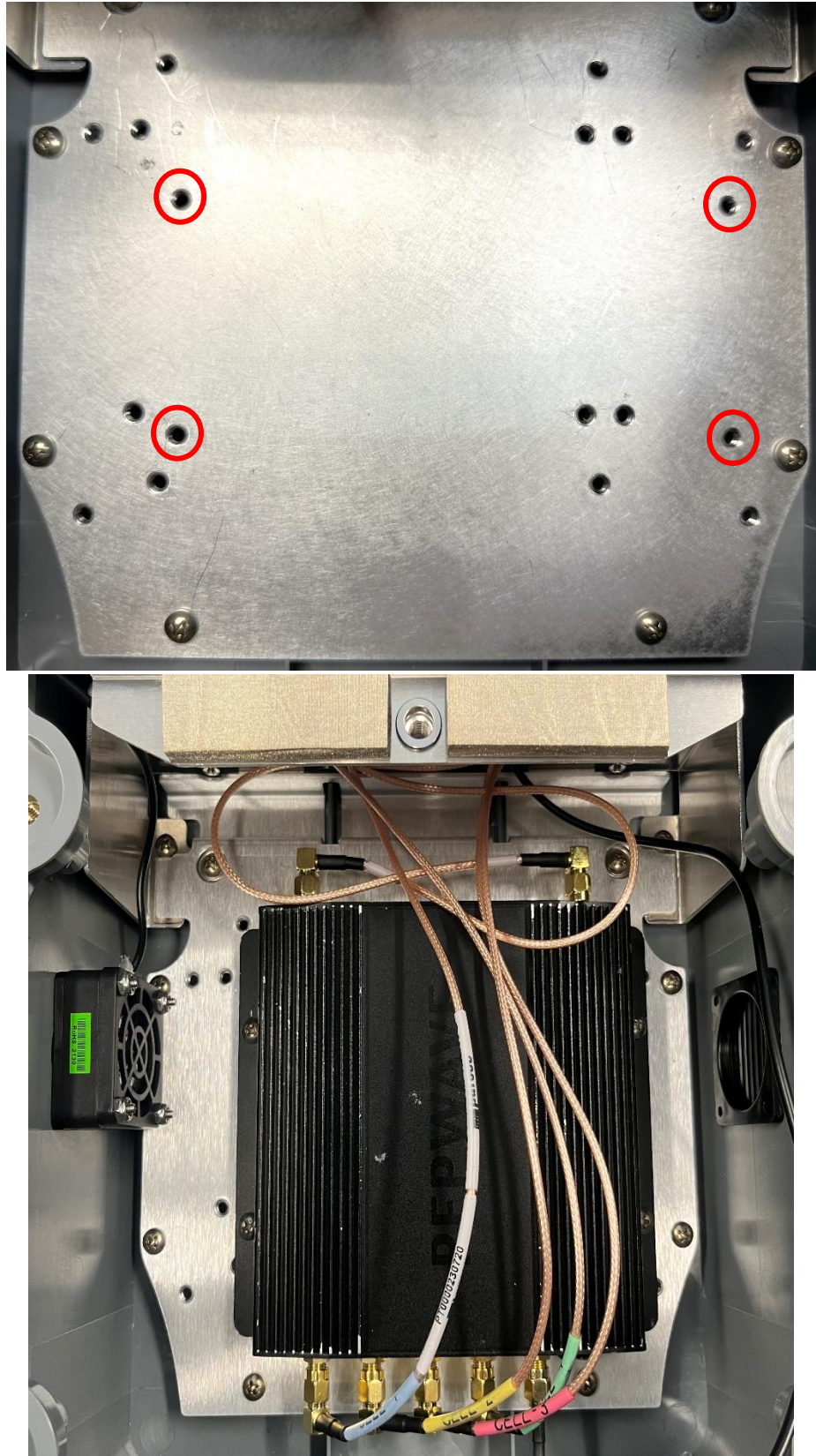


Figure 12: Peplink MAX BR1 Pro Router Installation

F. For the AirLink RX400 Router:

- I. Mount the router using the two PTA1166 Screws, as shown in Figure 13:

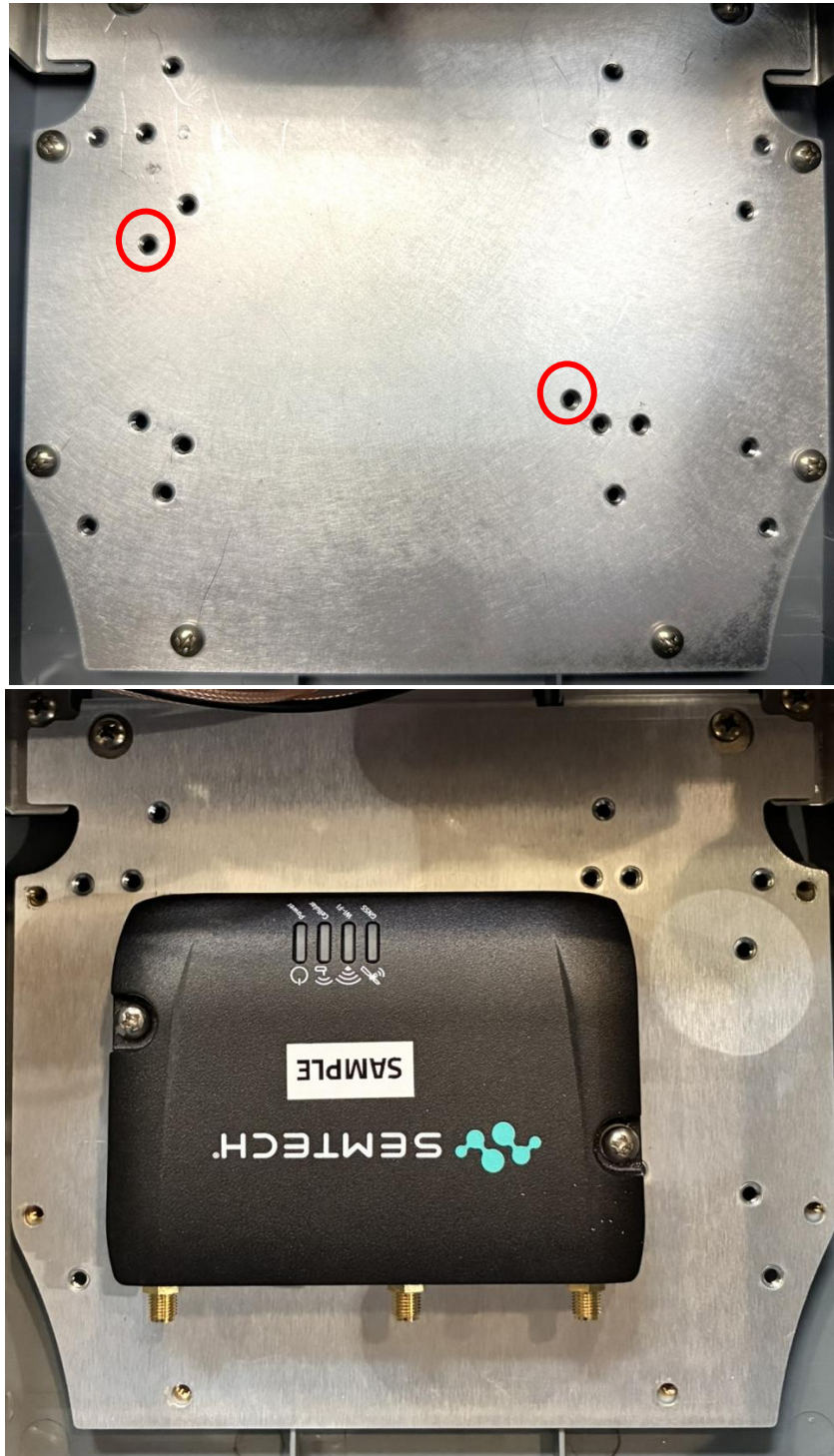


Figure 13: AirLink RX400 Router Installation

G. For the AirLink XR60 Router:

- I. Mount the router using the two PTA1166 Screws, as shown in Figure 14:

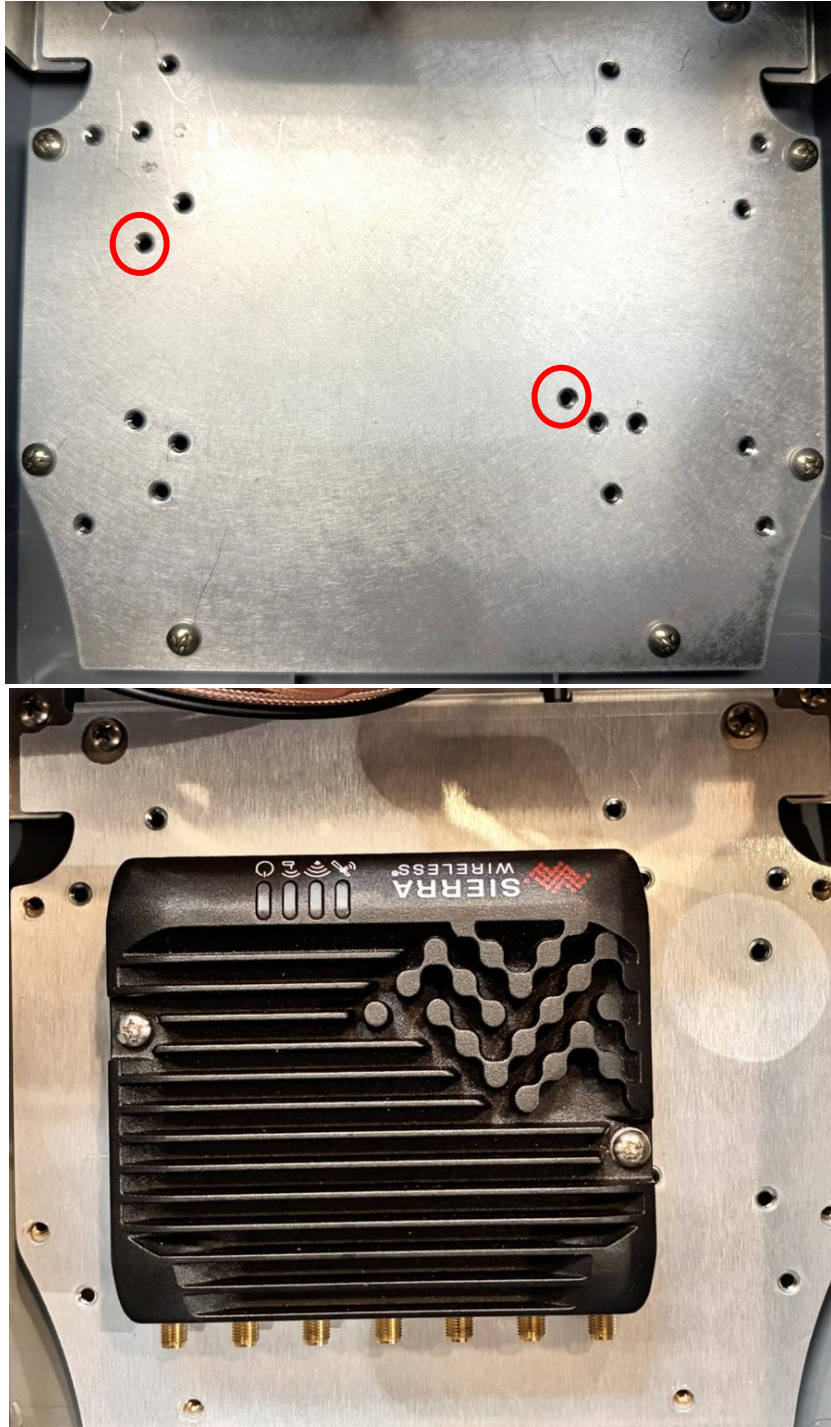


Figure 14: AirLink XR60 Router Installation

Connection:

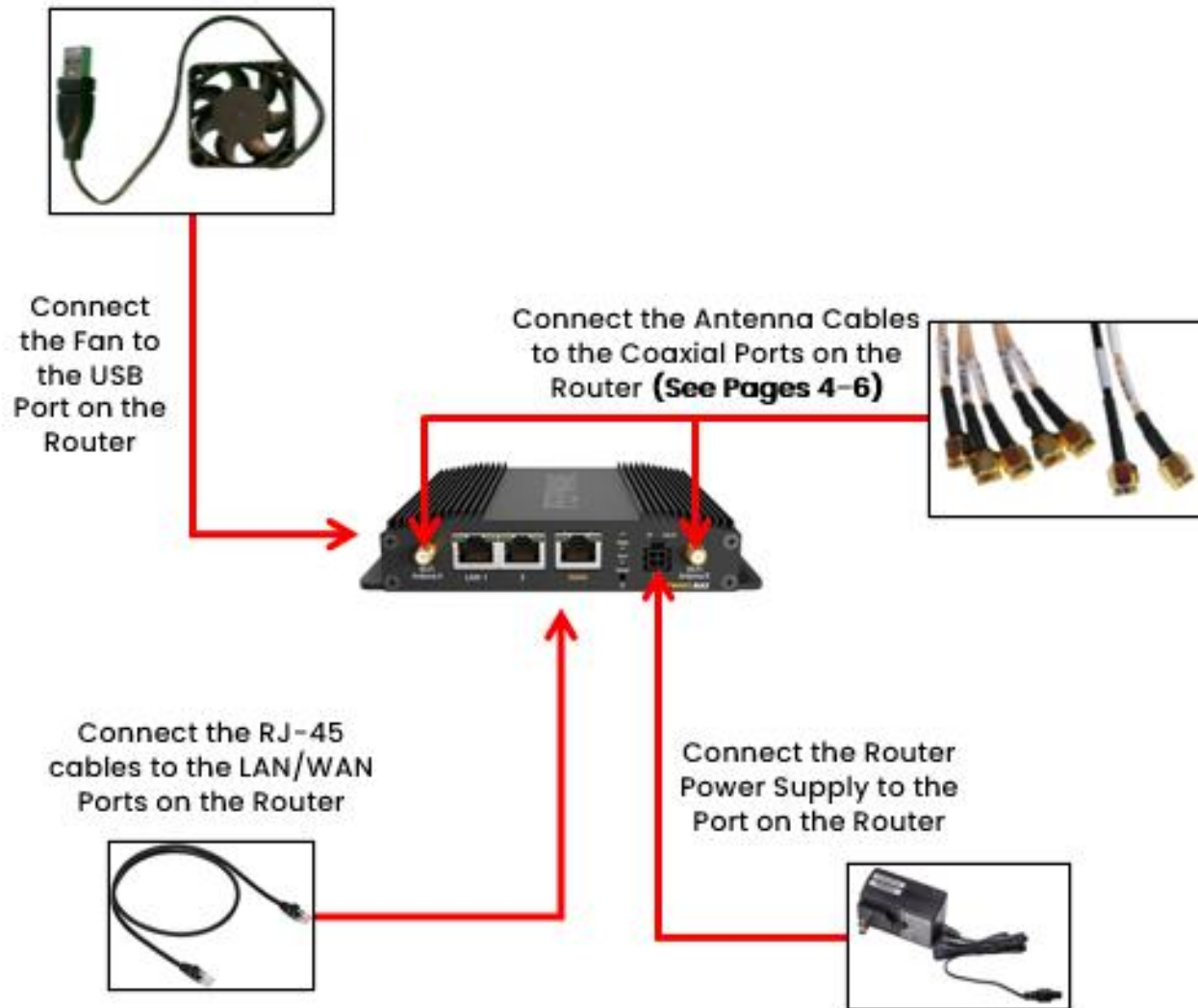


Figure 15: Connection Diagram for the Mini-Dalmatian

Step 1: Connect the power supply and Ethernet cables to the router.

- A. Pass the Power cable and Ethernet Cable through the Cable Gland Nut, as shown in Figure 16:



Figure 16: Feeding cables through cable gland nut

- B. Feed the cables through the hole for the cable gland in the Mini-Dalmatian, as shown in Figure 17:

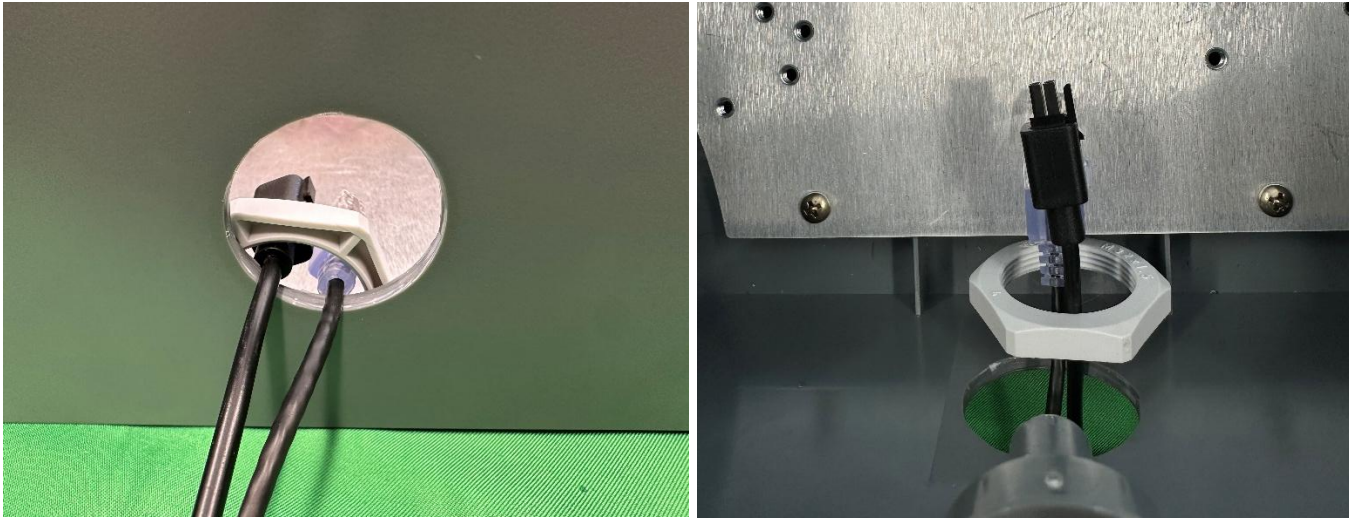


Figure 17: Feeding cables through the Cable Gland nut and Mini-Dalmatian

- C. Pass the Power cable and Ethernet Cable through the Cable Gland Gasket, as shown in Figure 18:



Figure 18: Feeding the gasket through the cable

- D. Install the cable into the cable grommet, as shown in Figure 19:



Figure 19: Installing the cables into the grommet

- E. Install the two sections of the cable gland on the grommet and cable, ensuring that the slots on the cable gland line up with the grommet, as shown in Figure 20:



Figure 20: Installing cable gland

- F. Feed the gasket onto the cable gland, as shown in Figure 21:



Figure 21: Installing the gasket on the cable gland

G. Secure the cable gland with the nut, as shown in Figure 22:



Figure 22: Installing the cable gland on the Mini-Dalmatian

H. Connect the router power supply to the power supply port on the router, as shown in Figures 1 -5.

Step 2: Connect the fan to the router (Mini-Dalmatian L only).

A. Plug the fan into the router USB-A Port, as shown in Figures 1 -5.

Final Assembly

Step 1: Make sure all the cables and devices are properly connected.

- A. Inspect every cable connection and ensure that no connections are loose.
- B. Use cable ties or other wire management to neatly bundle the cables **as shown below**.

Note: Ensure that the antenna cables are not excessively bent ($1/2''$ minimum bend radius).

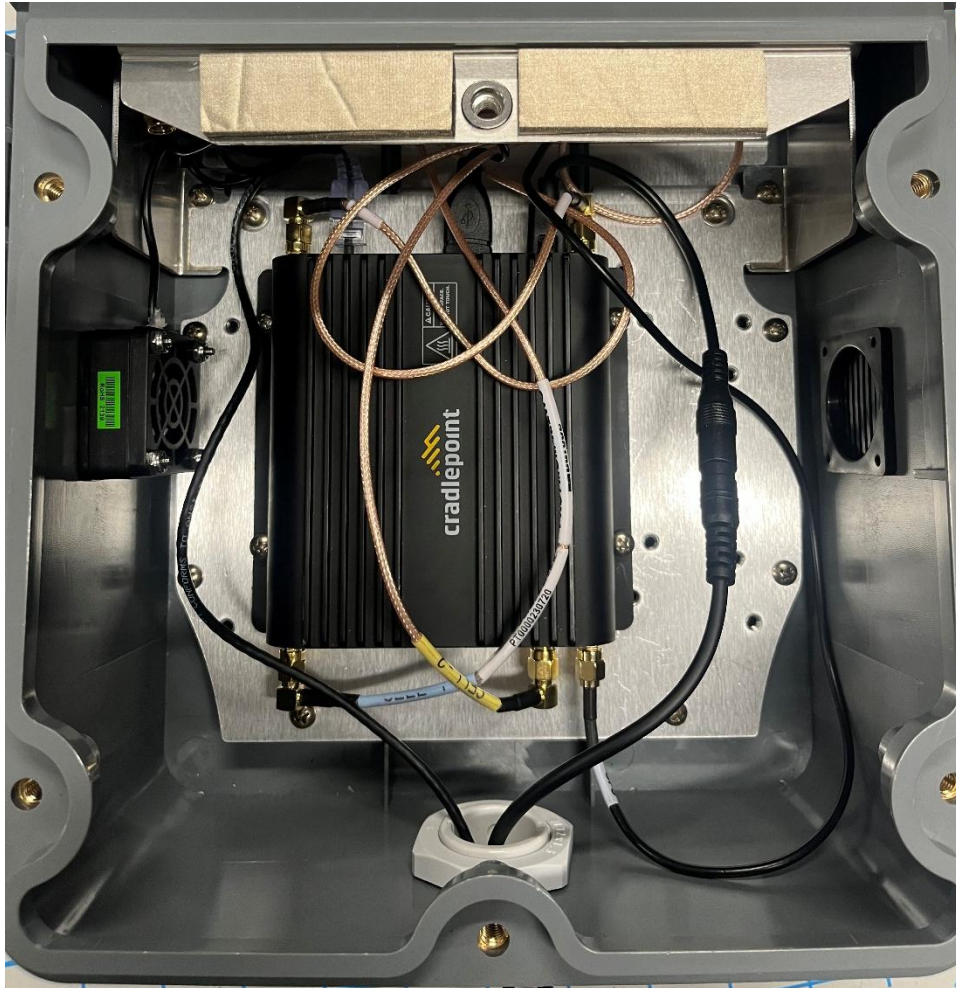


Figure 23: Fully Connected 5:1 Mini-Dalmatian L with Ericsson R500 Router

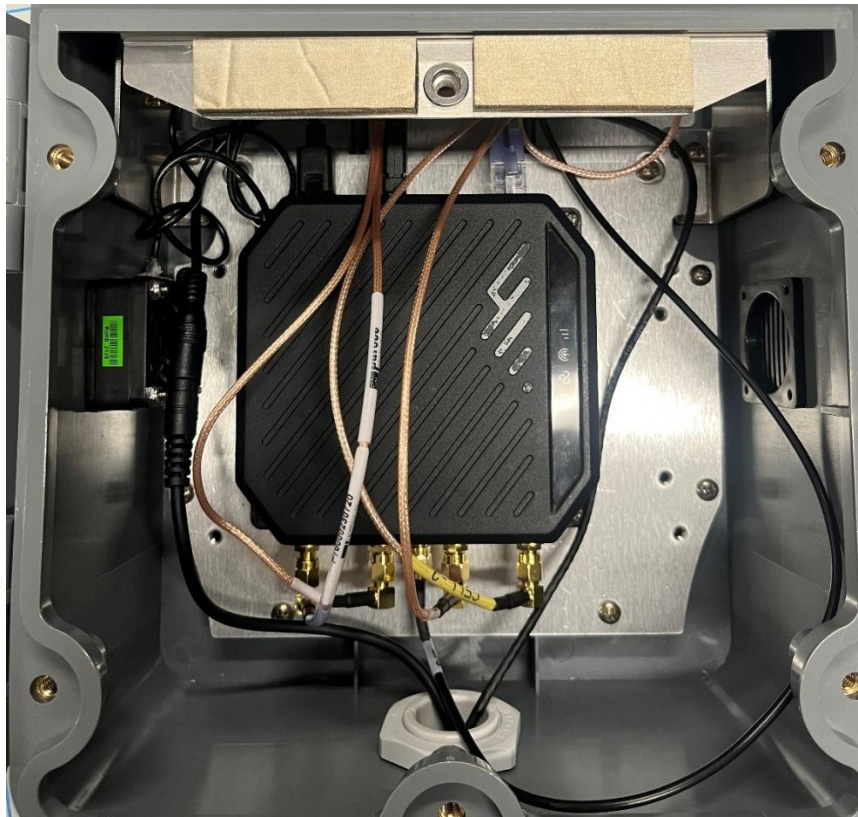


Figure 24: Fully Connected 5:1 Mini-Dalmatian L with Ericsson S700 Router

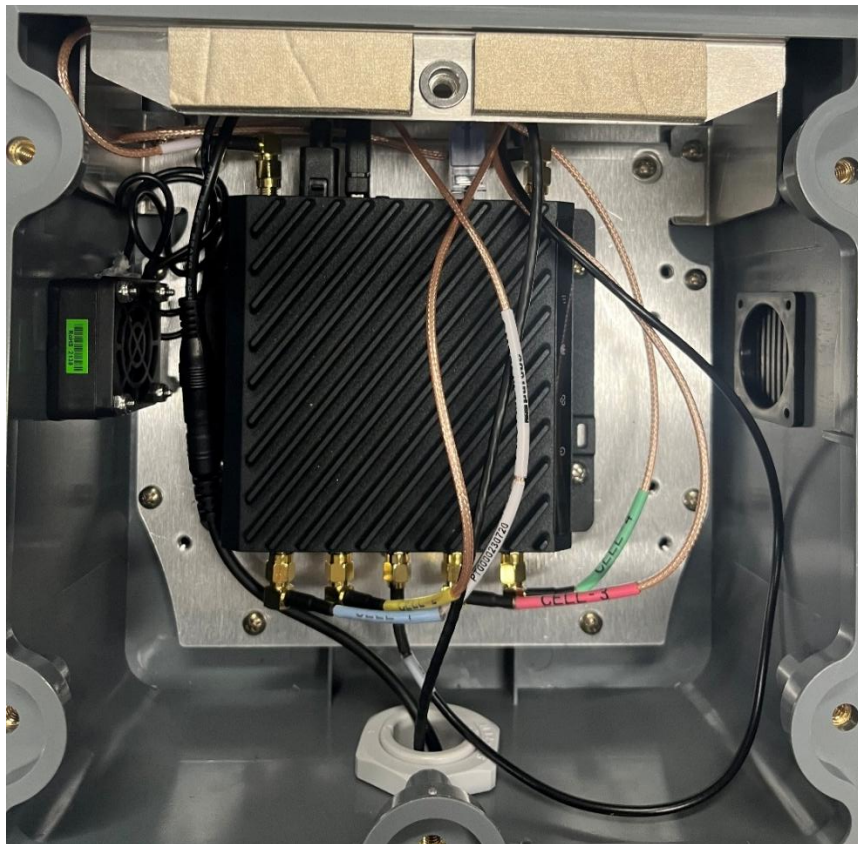


Figure 25: Fully Connected 6:1 Mini-Dalmatian L with Ericsson R920 Router

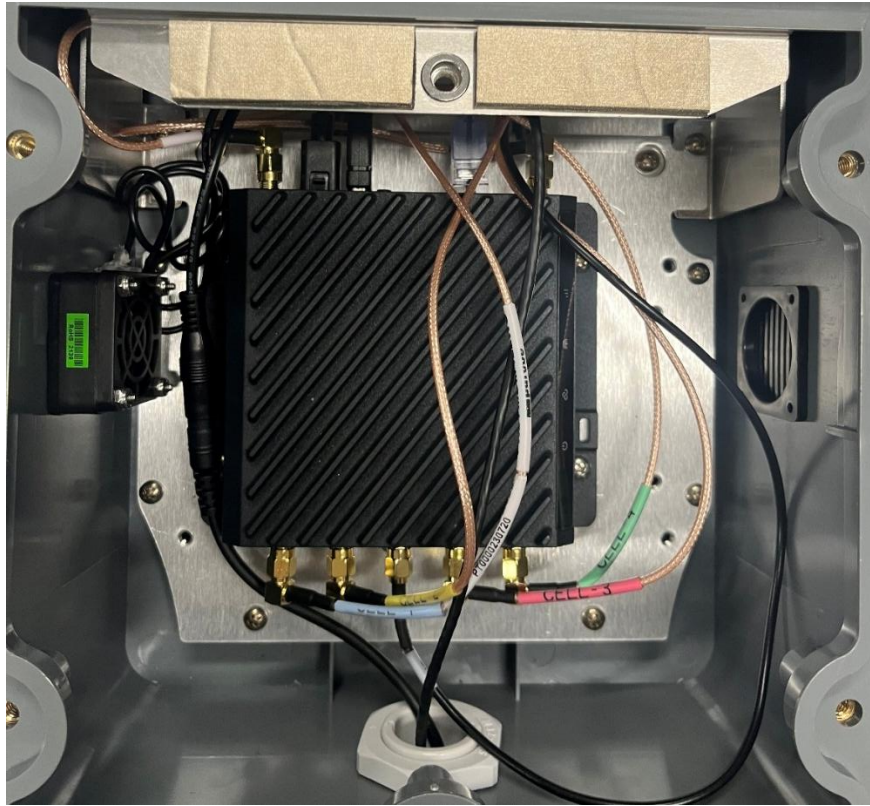


Figure 26: Fully Connected 7:1 Mini-Dalmatian L with Ericsson R980 Router

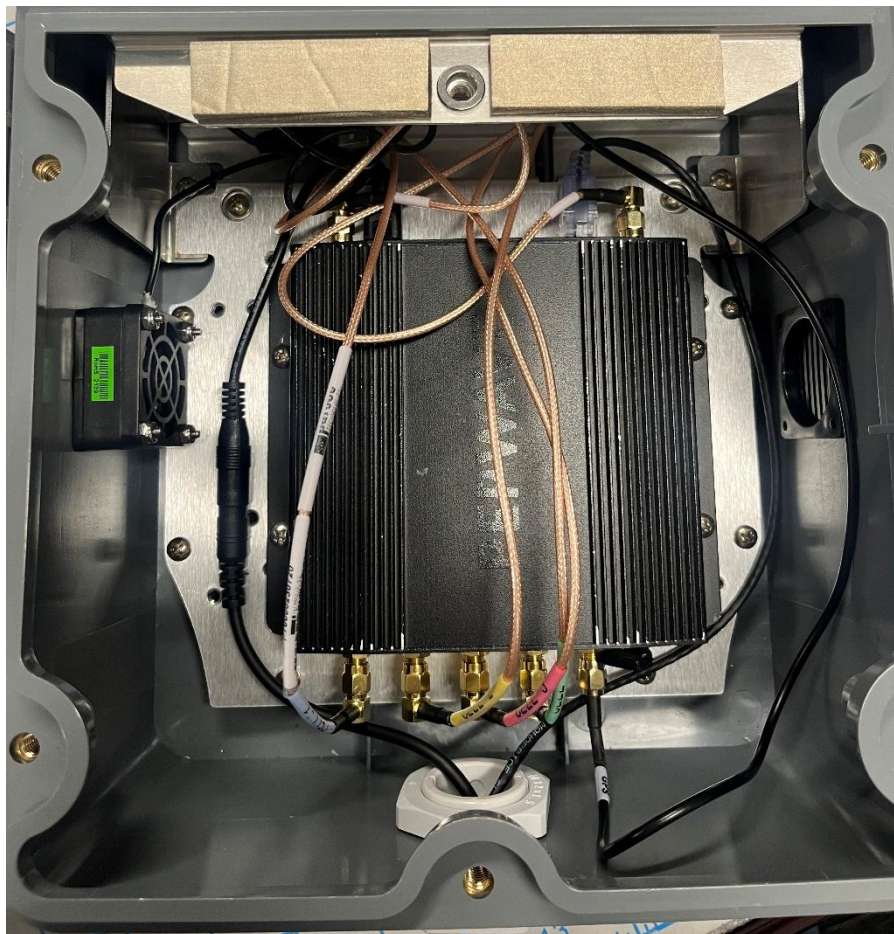


Figure 27: Fully Connected 8:1 Mini-Dalmatian L with Peplink MAX BR1 PRO 5G Router

Step 2: Fasten the lid to the enclosure.

- A. Close the lid for the enclosure.
- B. Fasten the lid to the enclosure using the six PTA0423 screws + PTA0964 washers provided in the kit, as shown in Figure 28.



Figure 28: Fasten the lid to the enclosure

Step 3: Lock the lid to the enclosure.

- A. Close the lid for the enclosure.
- B. Lock the lid to the enclosure using the PTA0972 Mini-Dalmatian Keys provided in the kit, as shown in Figure 29.



Figure 29: Lock the lid to the enclosure

Operational Setup

Step 1: Power on the router.

- A. Connect the power cable to a power outlet and confirm the router has turned on.

Step 2: Connect the router to a computer.

- A. Use an ethernet cable to connect a computer to one of the LAN ports on the router.

Router	Page
Ericsson	Step 3, Page 26
Peplink	Step 4, Page 27
Sierra Wireless	Step 5, Page 28

Step 3: Login to Ericsson NetCloud.

- A. This step only applies to Ericsson Routers.
- B. Open a web browser on the computer and type 192.168.0.1 into the address bar. This will bring up the Ericsson NetCloud login, shown in Figure 30.
- C. Login to Ericsson NetCloud. The username is “admin”, and the password is found on the router, shown in Figure 31.

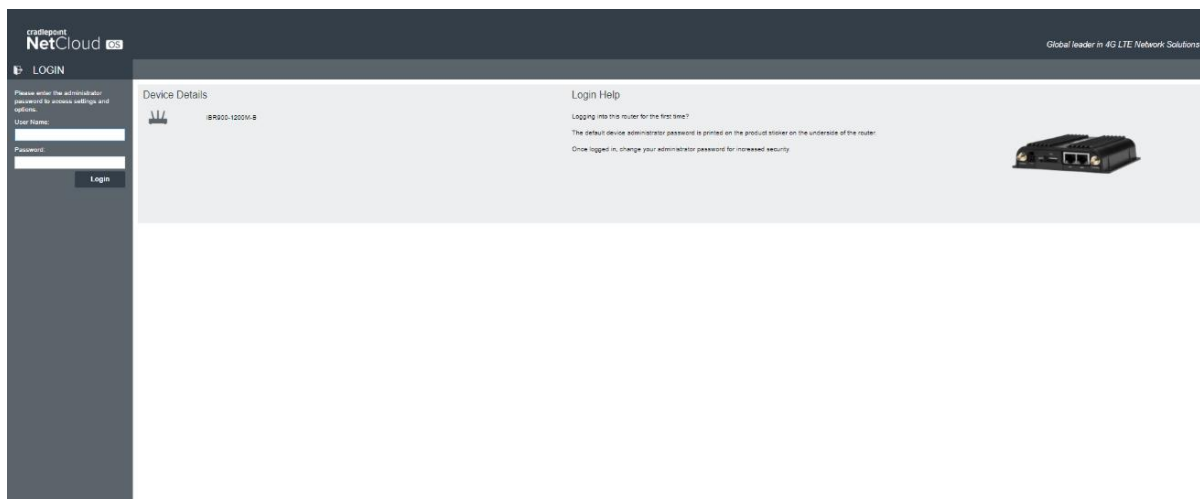


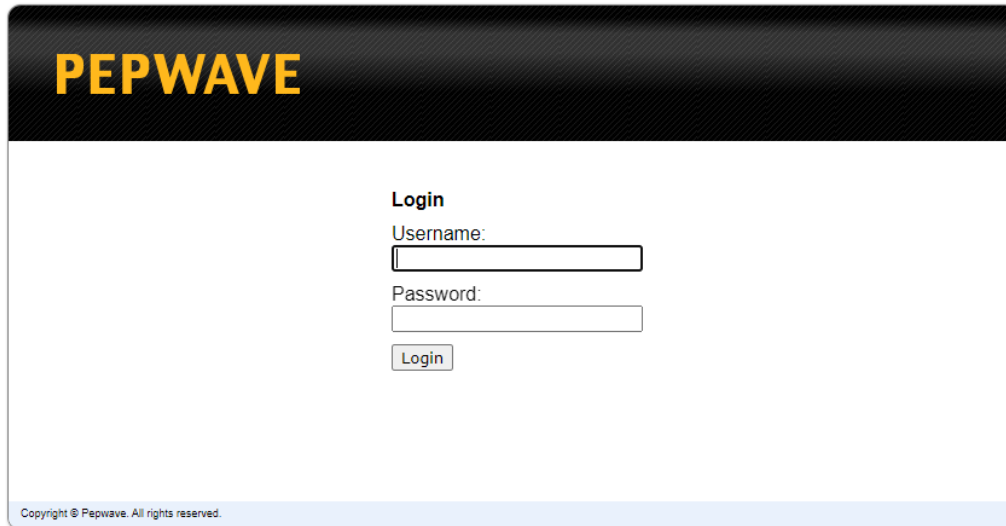
Figure 30: Access Ericsson NetCloud.



Figure 31: Ericsson NetCloud Login Password

Step 4: Login to PEPWAVE.

- A. This step only applies to Peplink Routers.
- A. Open a web browser on the computer and type 192.168.50.1 into the address bar. This will bring up the PEPWAVE, shown in Figure 32.
- B. Login to PEPWAVE. The username is “admin”, and the password is “admin”.



PEPWAVE

Login

Username:

Password:

Copyright © Pepwave. All rights reserved.

Figure 32: Access PEPWAVE.

Step 5: Login to AirLink OS.

- A. This step is only applicable for Sierra Wireless Routers.
- B. Connect to the router through a LAN connection
- C. Open a web browser on the computer and type 192.168.1.1 into the address bar. This will bring up the Airlink login, shown in Figure 33.
- D. Login to AirLink. The username is “admin”, and the password is found on the router, shown in Figure 34.

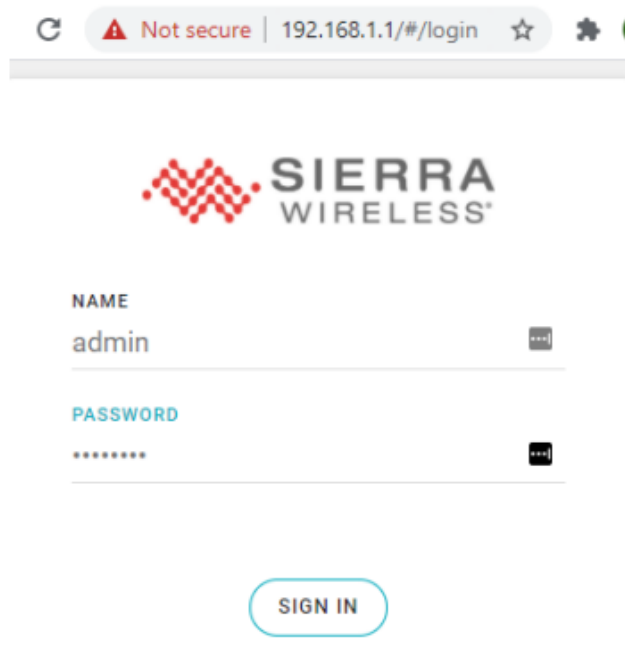


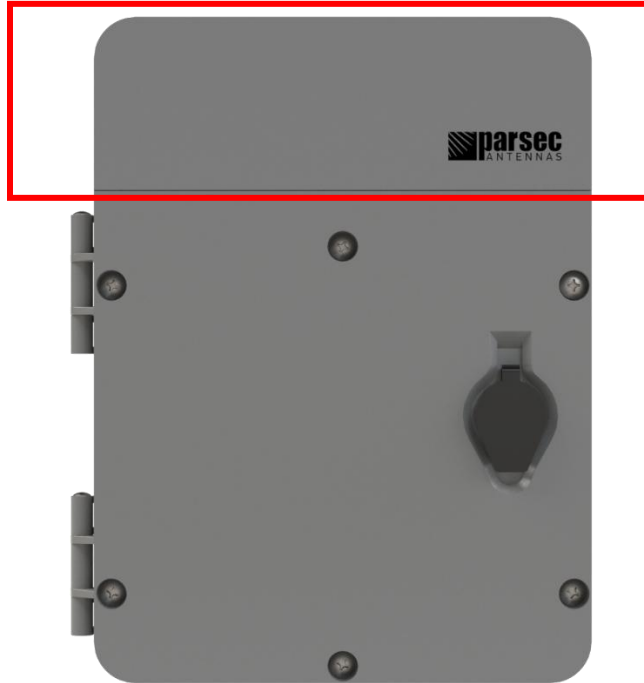
Figure 33: Access AirLink



Figure 34: AirLink Login Password

Antenna setup is complete!

For best antenna performance, operate the antenna with the lid closed and the case oriented with the cable glands on the bottom. If drilling into the enclosure, do not make any holes at the top (highlighted below).



Wall Mount Setup

1. The Mini-Dalmatian comes with the Wall Mount/Pole Mount Bracket installed on the back of the case, as shown below:



Figure 35: Mini-Dalmatian Wall Mount Plate

2. Select the mounting location.
 - A. To avoid de-tuning or interference issues, install the antenna as far away as possible from other devices (minimum 24 inches), including lights, AC units, routers, and other antennas.
 - B. A clear line of sight to the nearest cell tower is recommended for best performance.
 - C. Check the SINR for best performance before mounting permanently.

3. Drill four 0.25" diameter holes into the wall.
 - A. Mark the locations of the holes as shown below.

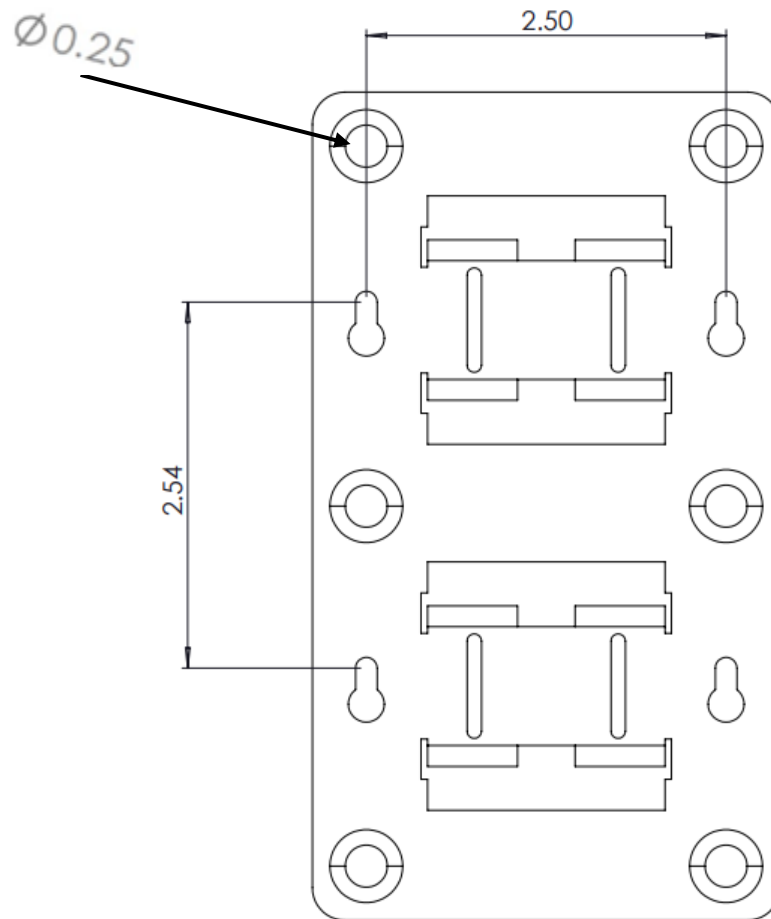


Figure 36: Drill Guide for Mini-Dalmatian Wall Mount

- B. Use a 1/4" diameter drill bit to drill holes at the marked locations.

4. Install the provided wall anchors into the wall.
 - A. Insert the wall anchors into the holes. Ensure that the anchors are fully inserted.

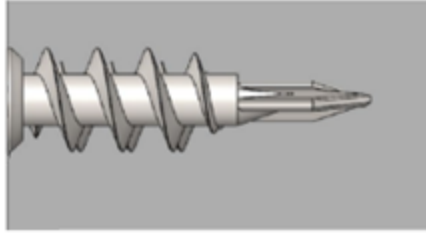


Figure 37: Wall Anchors installed in Wall

- B. Insert the screw into the wall anchor and tighten until the screw head is $\frac{1}{4}$ " away from the wall.

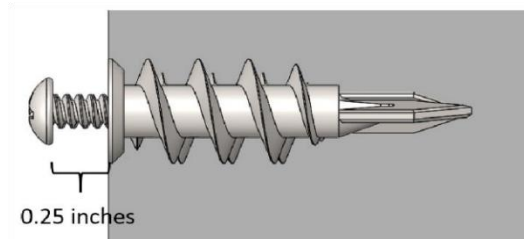


Figure 38: Screws installed into Wall Anchors

- C. Hang the antenna on the screws.

Pole Mount Setup

1. Select the mounting location.
 - A. To avoid de-tuning or interference issues, install the antenna as far away as possible from other devices (minimum 24 inches), including lights, AC units, routers, and other antennas.
 - B. A clear line of sight to the nearest cell tower is recommended for the best performance.
 - C. The diameter of the pole must be between 1.5 inches - 2.5 inches and the pole must be vertical.
 - D. Check the SINR for the best performance before mounting permanently.
2. Unscrew the Wall Mount/Pole Mount Bracket from the back of the Mini-Dalmatian:

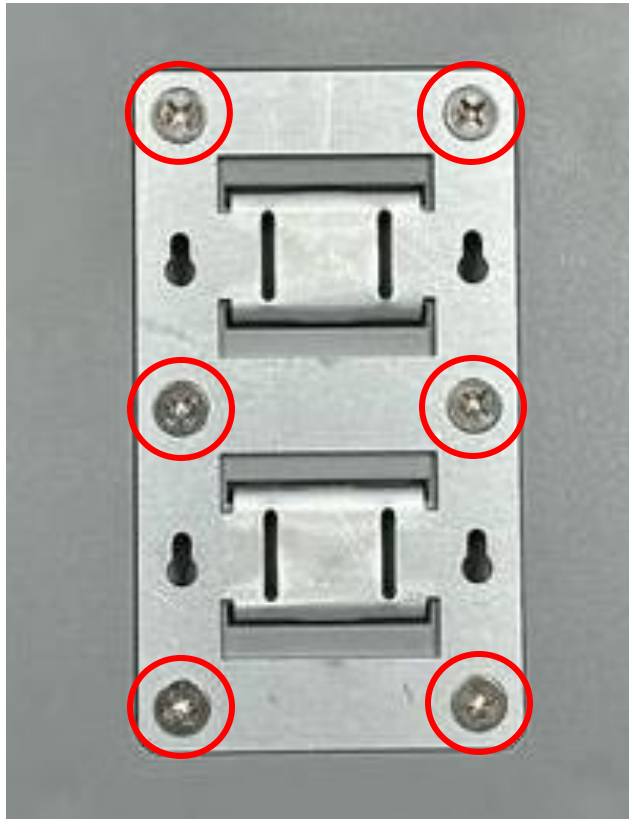


Figure 39: Unscrew the Wall Mount/Pole Mount Bracket

3. Flip the Wall Mount/Pole Mount Bracket and reinstall using the Qty. 6: PTA0423 Screws

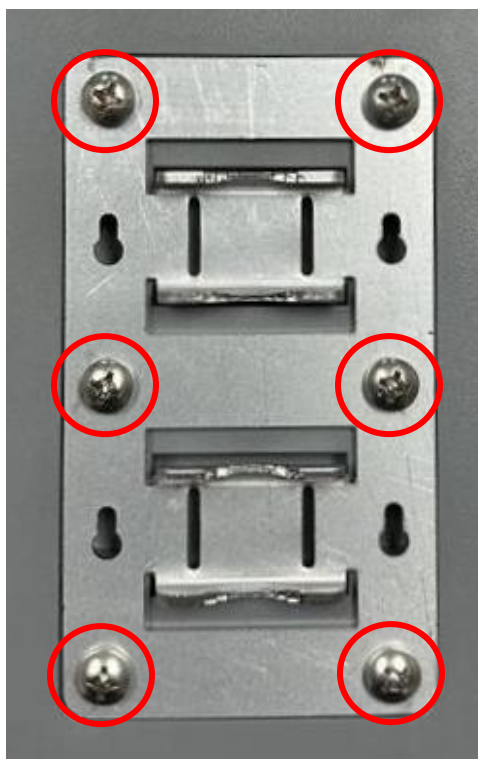
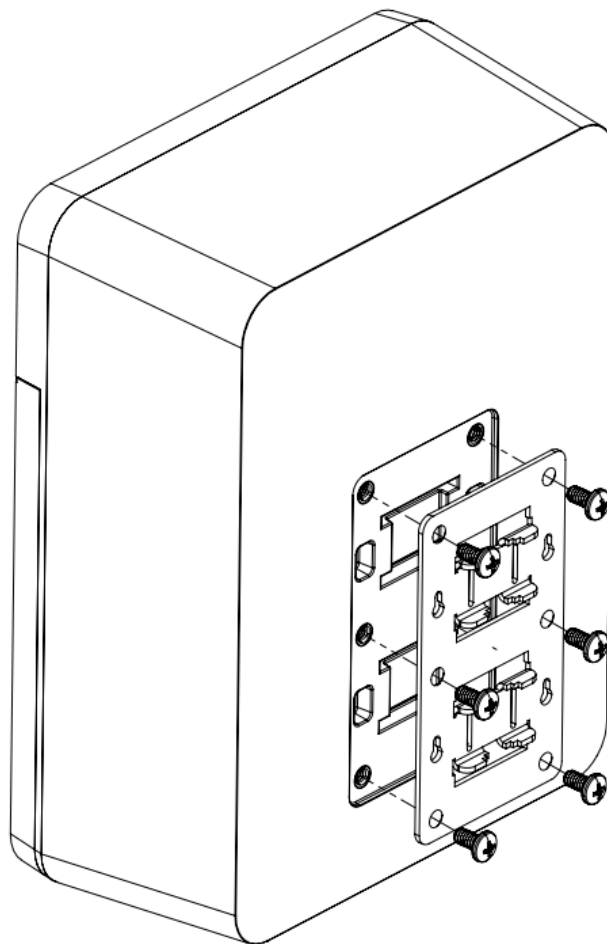


Figure 40: Installing the Pole Mount side of the Wall/Pole Mount Bracket

4. Guide the provided hose clamps through the slots in the pole mount brackets and around the pole, as shown below. Tighten one hose clamp first to make the mounting process easier, then tighten the remaining hose clamps around the pole.

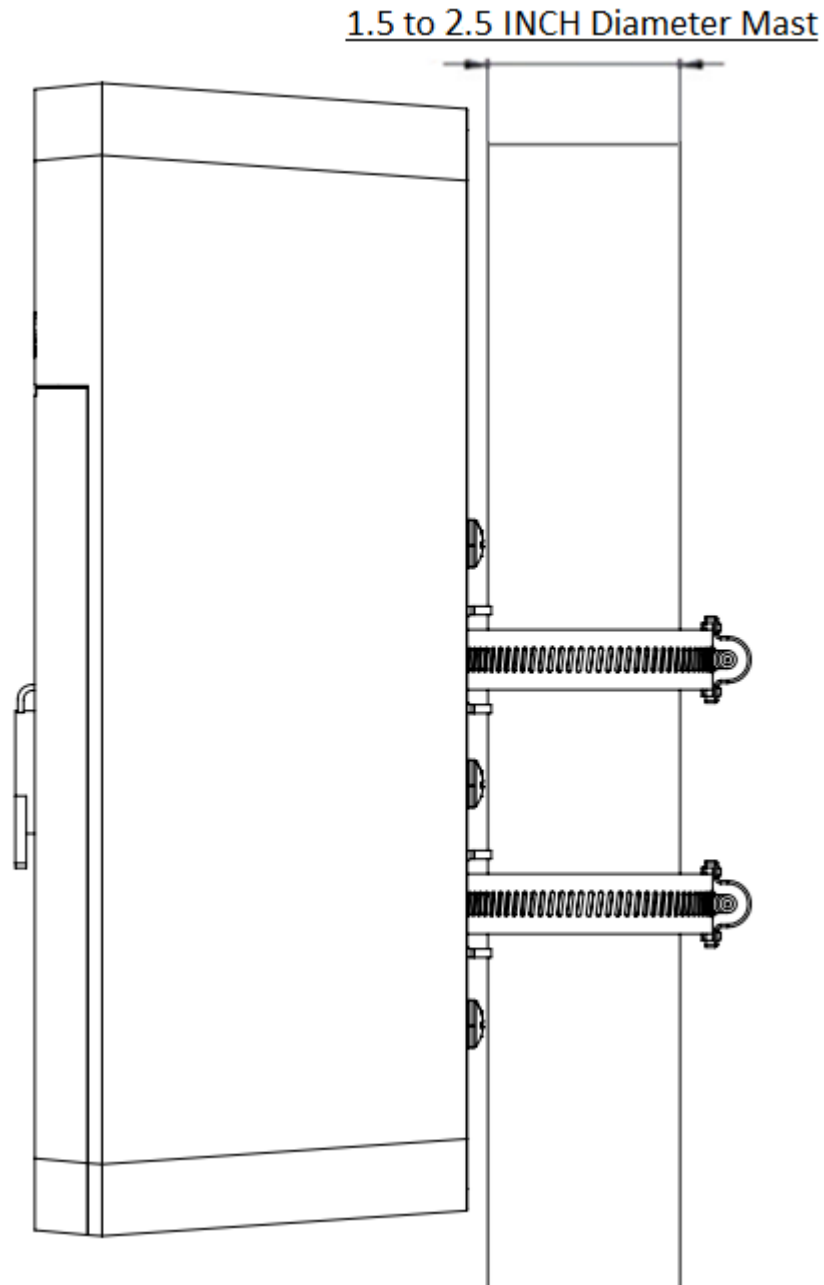


Figure 41: Installing Mini-Dalmatian on a Pole

Disclaimer



CAUTION

To comply with FCC RF Exposure requirements in section 1.1310 of the FCC Rules, antennas used with this device must be installed to provide a separation distance of at least 20 cm from all persons to satisfy RF exposure compliance.



DO NOT:

- Do not operate the transmitter when someone is within 24 inches of the antenna
- Do not install the antenna or mast assembly on a windy day
- Do not install the mast close to power lines as it can cause serious injuries or death



WARNING

This document is for general information only. It cannot be used for a warranty. Performance and other data contained were obtained in internal lab tests under ideal conditions, and performance may vary due to network variables, different network environments and other conditions. Parsec Technologies Inc. will not accept any liability for any damage caused by an antenna due to unknown variables. Parsec Technologies Inc. reserves the right to change, modify, transfer, or otherwise revise this publication without notice, and the most current version of the publication will be applicable.

Support Contact & Version



Last Revised: 09.24.2026

