

ROAM R41

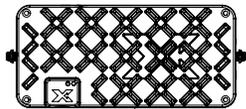
Quick Start Guide



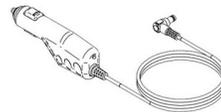
KIT#:

R41-YB-001	R41-YB-003	R41-9B-001	R41-9B-003
R41-YB-002	R41-YB-004	R41-9B-002	R41-9B-004

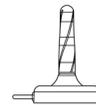
Included In the Box



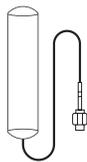
Main Unit



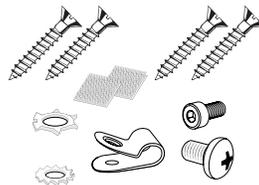
12V Automobile Auxiliary Power Adapter



Donor Antenna*



Server Antenna*



Mounting Hardware



Ground Cable

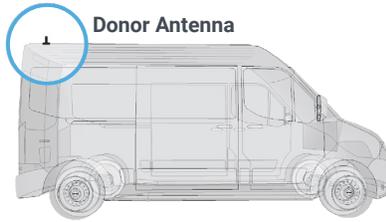
*Included with certain kits only.

Quick Installation

IMPORTANT: Your **ROAM R41** is electronic equipment. The **ROAM R41** must be kept indoors and in a dry, cool, well ventilated area. **Note:** **ROAM R41** can be installed in automobiles and marine vehicles.

1

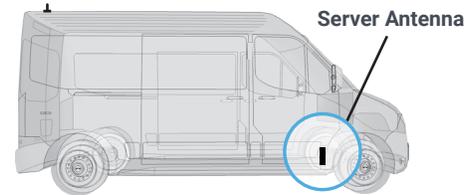
Install Donor Antenna



Mount your **Donor Antenna** on the exterior and towards the rear of your automobile or boat, depending on the design and type of vehicle. Make sure you consider the cable connection to the **Main Unit** with your location choice. **Note:** For best performance, ensure there is 50 cm of metal around the base of the antenna.

2

Install the Server Antenna

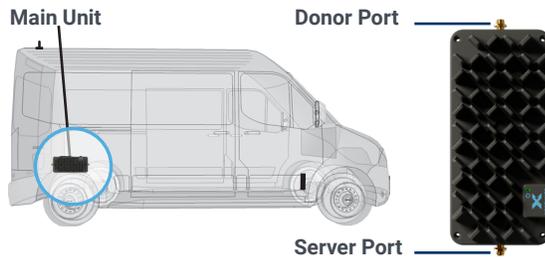


Install the **Server Antenna** in the cabin/deck towards the front of the vehicle where coverage is needed. Make sure to mount the **Server Antenna** horizontally.

Note: The **Donor Antenna** should be separated/isolated as far away as possible from the **Server Antenna**, greater separation provides the best performance.

3

Select the Main Unit Location



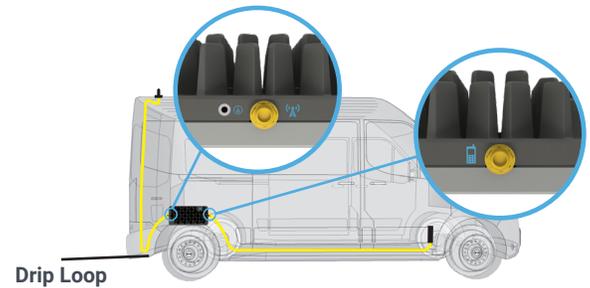
Find a suitable location to securely mount the **Main Unit**. When installed, the **Main Unit** should have airflow. Make sure the location provides enough distance for all the cables to connect. It's best to ensure all cables reach desired locations **BEFORE** mounting the device.

Note: DO NOT Plug in and power the **Main Unit** before connecting antennas.

Note: To avoid components moving or shifting in transit, it is critical to securely install the **Main Unit**, **Donor Antenna**, and **Server Antenna**.

4

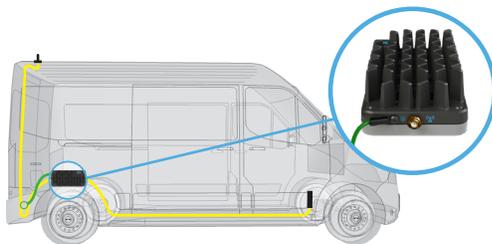
Attach Server and Donor Antennas



Attach the **Donor Antenna** and **Server Antenna** to the **Main Unit**. **Note:** Adding a drip loop to the **Donor Antenna** cable is crucial as it prevents water from flowing down the cable and damaging the Main Unit's electronic equipment.

5

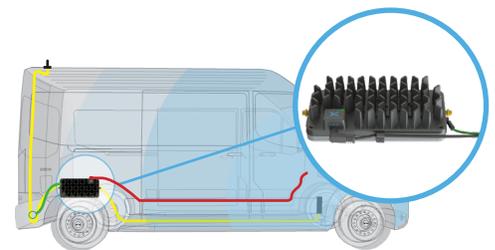
Install Ground Cable



Using the provided M3 screw, attach one end of the ground cable to the **Main Unit** and the other end to the chassis of the automobile or boat.

6

Plug in the Main Unit



Plug the **Main Unit** into automotive auxiliary power with the included **Automotive Auxiliary Power Adapter**. The LED on the front will blink during setup and turn solid green when the device is ready. After powering on the device, route the DC cable using the routing cable clamp.

Note: This device can **ONLY** be connected with 12V auxiliary power outlet.

Scan the QR code to Download the **WAVE App** to monitor and manage the status of your **ROAM R41**.

Bluetooth

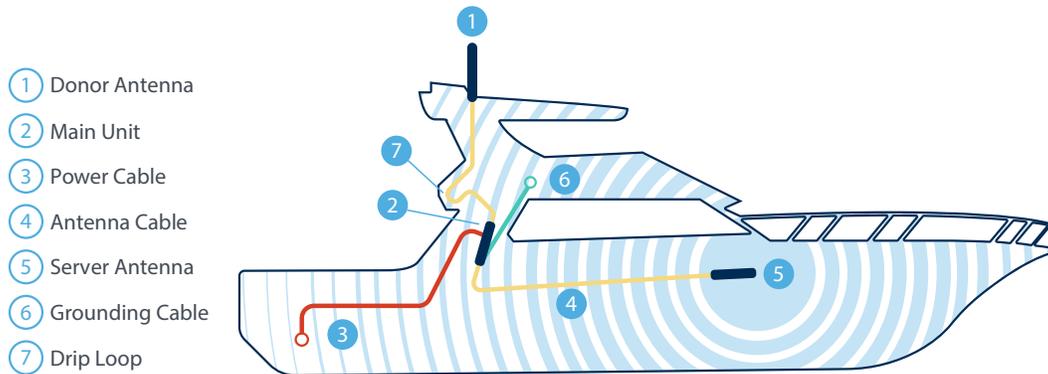


Scan the QR code to Download the **MyWave App** to set your **ROAM R41** to automatically track the base station to which your phone is connected.

Bluetooth



Marine Installation



Model#	Bands Supported	Link	Output Power (dBm)
R41-YB	1, 3, 7	Downlink	0
		Uplink	24
	5, 8, 26, 28L	Downlink	0
		Uplink	22
R41-9B	1, 3, 7	Downlink	0
		Uplink	24
	8, 20	Downlink	0
		Uplink	22
Power/Status LED Indicator			
LED Behavior		Error Translation	
No light		Device is powered OFF	
Solid Orange		Device is powered ON	
-		Device is booting up	
Slow blinking green		Device is band scanning to acquire network signals	
Solid Green		Device is operating normally and providing coverage	
Solid Red		Hardware Error (Error 6)–Disconnect & Reconnect	
Flash RED 1 time & OFF for 4sec		Device is not receiving signal from the cellular network (Error 1)	
Flash RED 2 times & OFF for 4sec		Donor input signal is too strong for the device (Error 8)	
Flash RED 3 times & OFF for 4sec		Device's server antenna is too close to donor antenna (Too Close)	
Flash RED 4 times & OFF for 4sec		Device is disabled by the operator (Error 7)	
Flash RED 5 times & OFF for 4sec		Device location lock pending (Error 9)	
Flash RED 6 times & OFF for 4sec		Device registration pending (Error 5)	
Flash RED 7 times & OFF for 4sec		Device Self-Test Failed (Error 12)	
Flash RED 8 times & OFF for 4sec		Device is overheating (Error 4)	