

NEXTIVITY CEL-FI ROAM R41 Smart Mobile Repeater User Guide

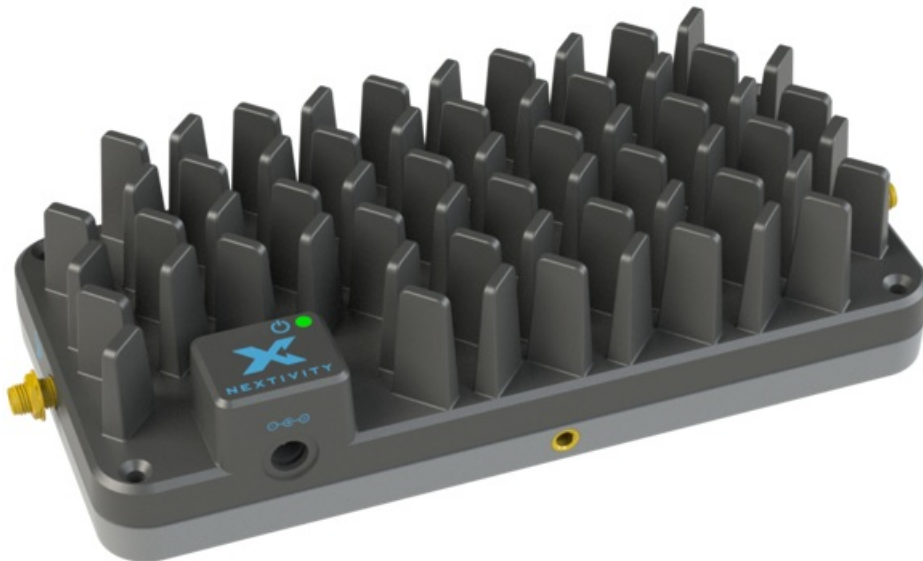
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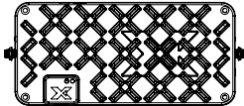

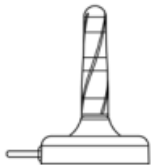

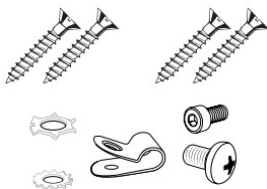

NEXTIVITY

Smarter by Design

ROAM R41
Quick Start Guide



KIT#:	
R41-9B-001	R41-YB-001
R41-9B-002	R41-YB-002
R41-9B-003	R41-YB-003

Included In the Box	
	Main Unit
	Automobile Auxiliary Power Adapter
	Mobile Donor Antenna*
	Server Antenna*
	Mounting Hardware
	Ground Cable

Contents

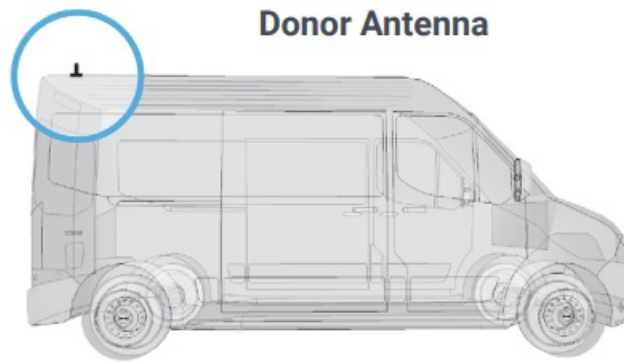
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Quick Installation

IMPORTANT: Your CEL-FI GO G41 is electronic equipment. The CEL-FI GO G41 must be kept indoors and in a dry, cool, well ventilated area.

Install Donor Antenna

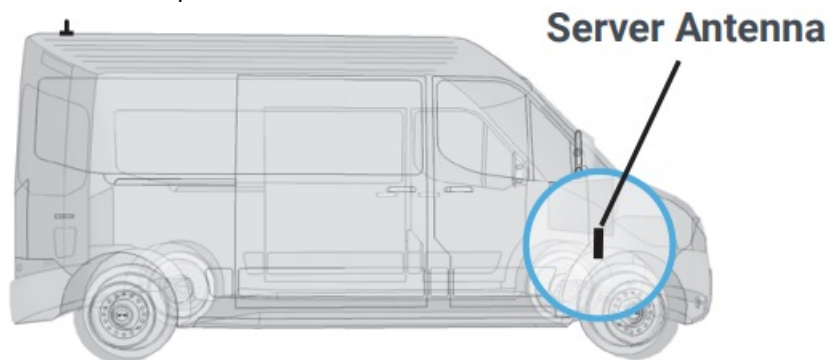
Mount your **Donor Antenna** on the exterior and towards the rear of your automobile or boat, depending on the design and type of vehicle. Make sure you consider the cable connection to the **Main Unit** with your location choice. **Note:** For best performance, ensure there is 50 cm of metal around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



Install the Server Antenna

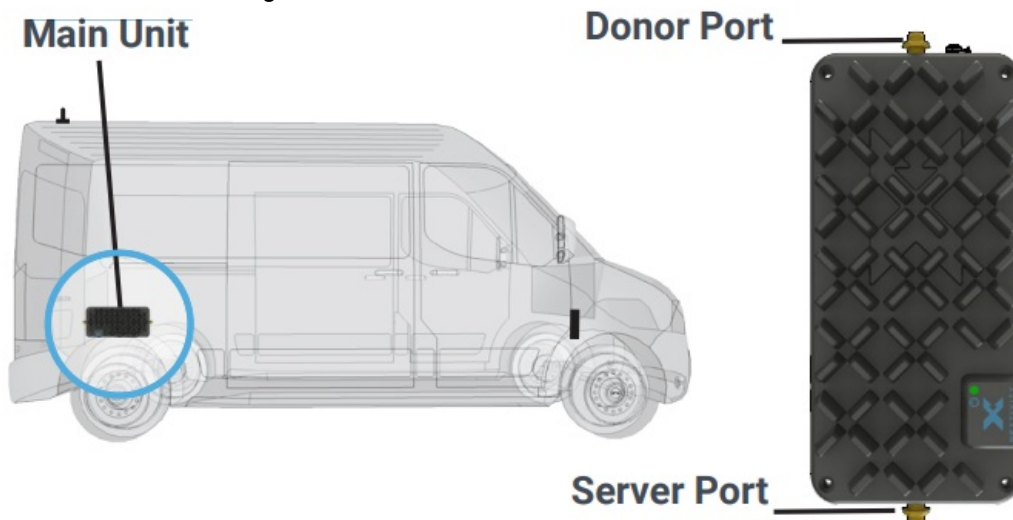
Install the **Server Antenna** in the cabin/deck towards the front of the vehicle where coverage is needed. Make sure to mount the **Server Antenna** horizontally.

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



Select the Main Unit Location

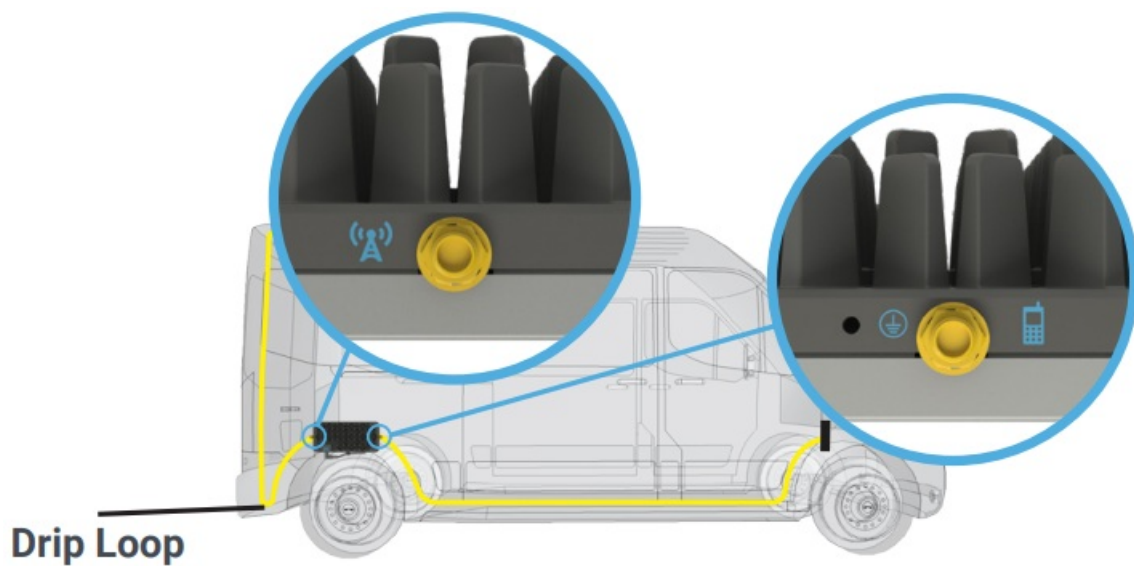
Find a suitable location to securely mount the **Main Unit**. When position that doesn't contact other objects. Make sure the location provides enough distance for all the cables to connect. It's best to ensure all cables reach desired locations BEFORE mounting the device.



Attach Server and Donor Antennas

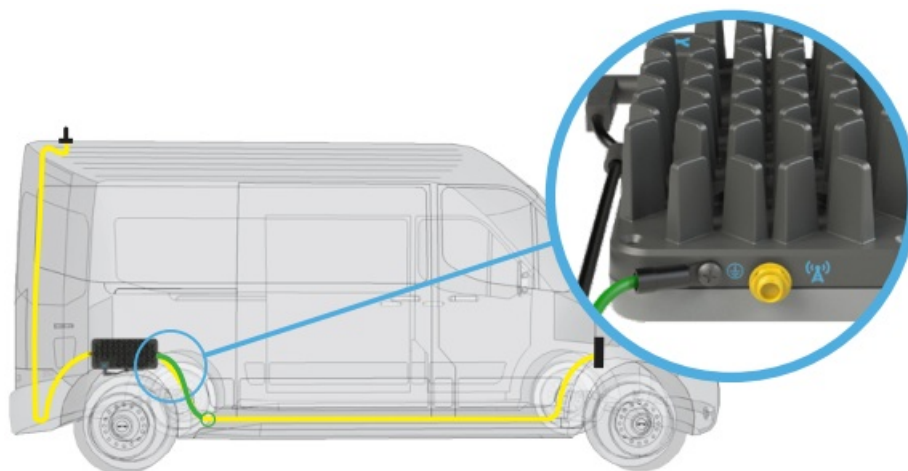
Attach the **Donor Antenna** and Server Antenna to the **Main Unit**.

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.



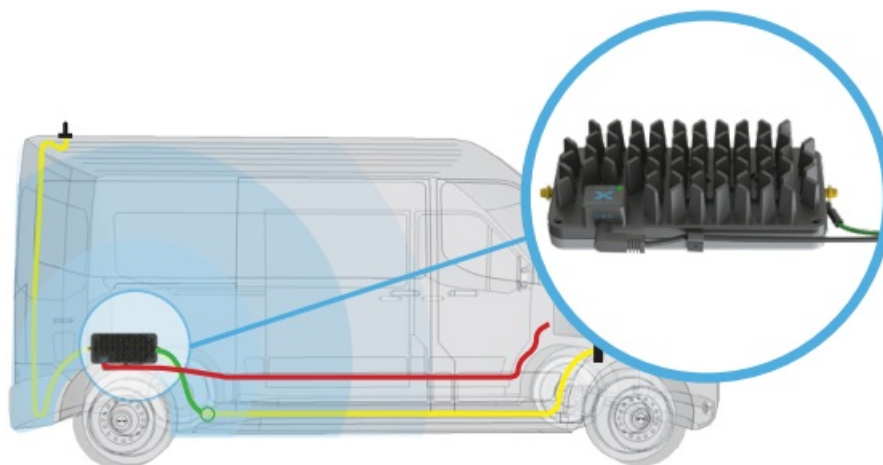
Install Ground Cable

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.



Plug in the Main Unit

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.



Nextivity WAVE Software

Download the WAVE App to monitor and manage the status of your ROAM R41. [Scan to Download](#)



<https://apps.apple.com/us/app/cel-fi-wave/id980050278?ls=1>



<https://play.google.com/store/apps/details?id=com.NxtyWave&hl=en>

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

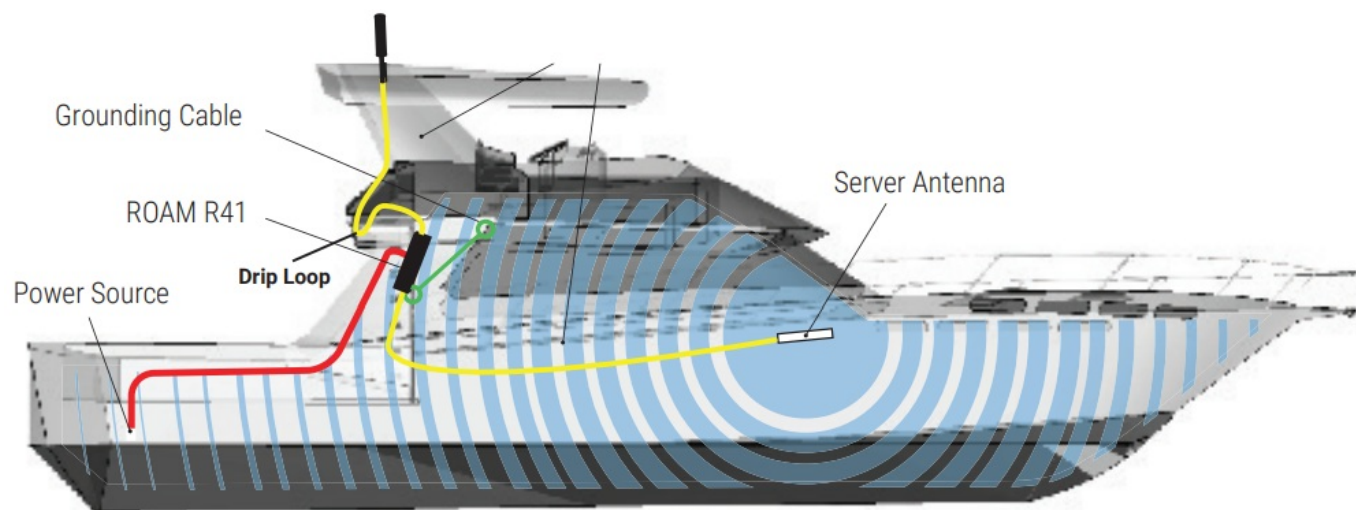


<https://apps.apple.com/us/app/cel-fi-mywave/id1560705133>



<https://play.google.com/store/apps/details?id=com.nextivityinc.MyWave>

Marine Installation




Model#	Bands Supported	Link	Output Power (dBm)
R41-YB	1/3/5/7/8/26/28L	Downlink	0
		Uplink	22
R41-9B	1/3/7/8/20	Downlink	0
		Uplink	22

Power/Status LED Indicator

LED Behavior	Translation/Error State
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 (ES1)—Disconnect & Reconnect
Flash RED 1 time & OFF for 4sec	Device is not receiving signal from the cellular network (ES2)
Flash RED 2 times & OFF for 4sec	Donor input signal is too strong for the device (ES4)
Flash RED 3 times & OFF for 4sec	Device's server antenna is too close to donor antenna (ES7)
Flash RED 4 times & OFF for 4sec	Device is disabled by the operator (ES9)
Flash RED 5 times & OFF for 4sec	Device location lock pending (ES10)
Flash RED 6 times & OFF for 4sec	Device registration pending (ES11)
Flash RED 7 times & OFF for 4sec	Device Self-Test Failed (ES12)

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Documents / Resources

	<p>NEXTIVITY CEL-FI ROAM R41 Smart Mobile Repeater [pdf] User Guide R41-9B-001, R41-9B-002, R41-9B-003, R41-YB-001, R41-YB-002, R41-YB-003, CEL-FI ROA M R41, CEL-FI ROAM R41 Smart Mobile Repeater, Smart Mobile Repeater, Mobile Repeater, R epeater</p>
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