

# Antenna-Coach-2LG

## Coach Roof Antenna with MIMO LTE + GNSS + UN ECE R118

Omnidirectional combo antenna with linear polarization for signal enhancement in 4G, 3G, 2G networks and right-hand circular polarization for the active GPS antenna.



### Keyfeatures

<b>Cellular</b>	MIMO LTE / UMTS / GSM
<b>GNSS</b>	active
<b>Vehicle</b>	UN ECE R10 / UN ECE R118

### Specifications

<b>Mobile / Cellular</b>	<b>Standard</b>	2 x LTE / UMTS / GSM <b>LTE</b> Bands: 1, 2, 3, 4, 5, 7, 8, 10, 11, 12, 13, 14, 17, 18, 19, 20, 21, 23, 24, 25, 26, 27, 28, 29, 30, 32, 65, 66, 67, 68, 69, 70, 74, 75, 76, 85 - TDD Bands: 33, 34, 35, 36, 37, 38, 39, 40, 41, 44, 45, 50, 51, 53 <b>UMTS</b> Bands: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 19, 20, 21, 25, 26, 32 - TDD Bands: 33, 34, 35, 36, 37, 38, 39, 40 <b>GSM</b> Bands: 700, 850, 900, 1800, 1900
	<b>Specification</b>	<b>Frequency</b> 700 - 2600 <b>Gain</b> -9 dBi typ. (700 MHz) ±0 dBi typ. (800 MHz) +3 dBi typ. (900 MHz) +3 dBi typ. (1800 MHz) +1 dBi typ. (2100 MHz/UMTS) +2 dBi typ. (2600 MHz) <b>VSWR</b> ≤ 2 typ. <b>Impedance</b> 50 Ohm <b>Radiation</b> omnidirectional
	<b>Connectors</b>	2x FAKRA D-coded female fix connected 3m antenna cable

<b>GNSS</b>	<b>Standards</b>	1 x GPS / Galileo / GLONASS / BeiDou <b>Type</b> active
	<b>Specification</b>	<b>Frequency</b> 1565 - 1625 <b>Gain</b> 25 dBi <b>VSWR</b> ≤ 1,5 typ. <b>Impedance</b> 50 Ohm <b>Radiation</b> omnidirectional
	<b>Amplifier</b>	<b>Power</b> 3 - 5 V <b>Current</b> 13 mA max. <b>Gain</b> 25 dB typ.
	<b>Connectors</b>	1x FAKRA C-coded male fix connected 3m antenna cable

<b>Mechanical</b>	<b>Dimensions</b>	<b>Diameter</b> 112 mm <b>Height</b> 30 mm
	<b>Weight</b>	350 g
	<b>Mounting</b>	Rooftop with screws no ground plane needed
	<b>Color</b>	black

<b>Environment</b>	<b>Operating Temperature</b>	-40°C to +85°C
	<b>Ingress Protection Level</b>	IP69K - Dust-tight, protected against close-range high pressure, high temperature spray downs

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<b>Certifications</b>	<b>Compliance Domain</b>	RoHS, REACH, Vehicle according to UN ECE R10, UN ECE R118 Vehicle
<b>Extension Cables</b>	<b>Cellular GNSS</b>	2 x fix connected / 3 m / FAKRA D-coded female 1 x fix connected / 3 m / FAKRA C-coded female
<b>Other</b>	<b>Order Code</b>	Antenna-Coach-2LG

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