



CT90

**Low profile and rugged
FM radio receive 87.5-108 MHz**



The low profile and rugged CT90, FM radio receive vehicle mount antenna is the ideal antenna choice for situations where a traditional whip would be vulnerable to damage or vandalism.

Typical applications suited for the CT90:

- Trains/Trams
- Buses
- Forklifts
- Tractors
- Forestry vehicles
- Logging trucks
- Police
- Ambulance
- Fire brigade
- S.E.S. vehicles
- Security services
- Mining vehicles



Construction	Corrosion resistant aluminium, machined black delrin, rubber gasket and nickel plated N-type female terminations
Frequency range	FM radio receive 87.5-108 MHz - centred for 98 MHz
Bandwidth	Full frequency range
Tuning	Factory
VSWR	Receive capabilities only
Gain	Receive only
Impedance	50 Ohms
Polarisation	Vertical
H Plane	Near 360° omnidirectional - receive
E Plane	Same as normal 1/4 wave whip
Connector	N-type female jack in base of antenna
Dimensions	Length: 865mm, Width 80mm, Height: 100mm
Weight	1.6kg
Mounting hardware supplied	6 x M6 x 20mm stainless steel set screws/washers & nuts
Minimum ground plane required	1.2m x 1.2m metal surface
Installation tools required	10mm spanner for mounting hardware securing



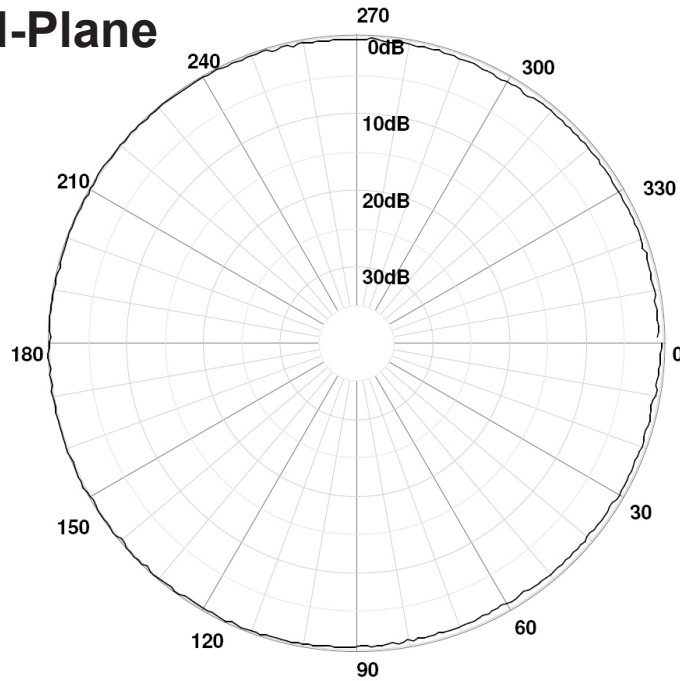
The angled front face deflects possible debris protecting the tuned internals and reduces wind load

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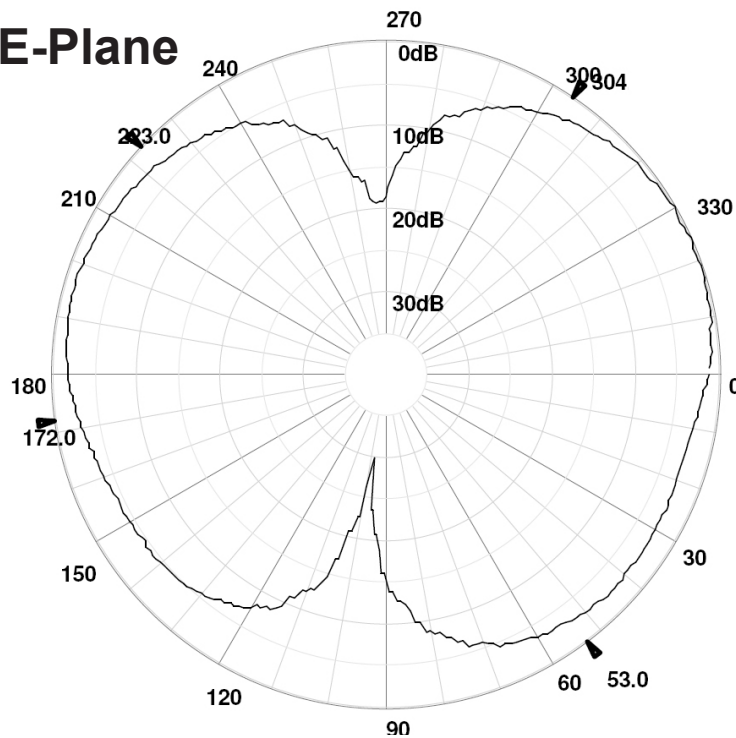
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H-Plane



E-Plane



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Suitable coaxial feeder cables and connectors

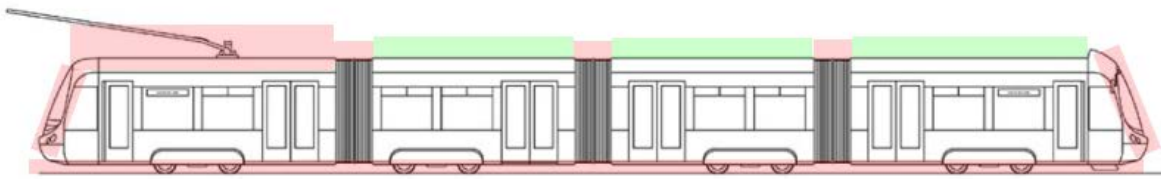
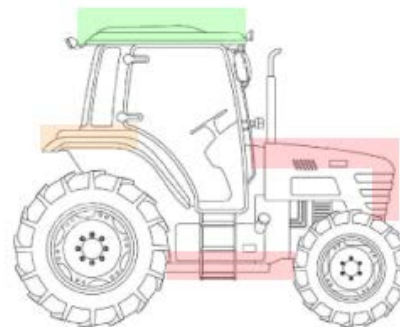
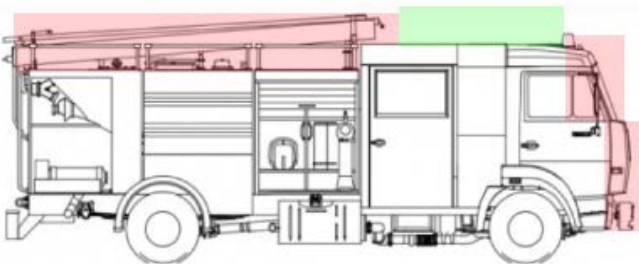
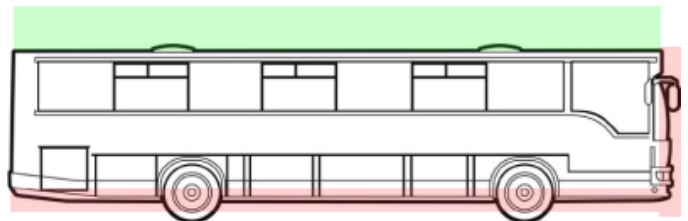
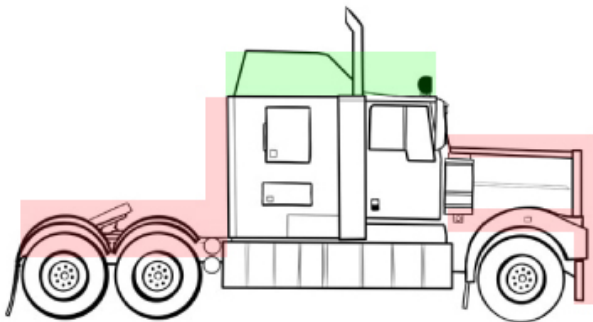
 <p>RG142 silver plated copper conductor, PTFE dielectric coaxial cable P/N 7823-3 Available in 300m roll or alternatively request a custom cable assembly</p>	 <p>N-type male crimp connector for RG142 solid core, PTFE insulated coaxial cable P/N 8200 Tri-metal plated</p>
 <p>RU240-UF ultra flexible, stranded core coaxial cable P/N 7876-2 Available in per metre, 500m roll or alternatively request a custom cable assembly</p>	 <p>N-type male crimp connector for RU240-UF ultra flexible, stranded core coaxial cable P/N 7987 Nickel plated</p>
 <p>MIL-SPEC RG58A/U stranded conductor, solid PE dielectric coaxial cable P/N 7803 Available in 100m ,300m roll or alternatively request a custom cable assembly</p>	 <p>N-type male crimp connector for RG58 low loss, solid conductor P/N 7933-2 Tri-metal plated</p>
 <p>MIL-SPEC RG218 7 strand conductor, solid PE dielectric coaxial cable P/N 7800 Available in 100m ,300m roll or alternatively request a custom cable assembly</p>	 <p>N-type male crimp connector for RG213, stranded core, solid PE dielectric coaxial cable P/N 7937 Tri-metal plated</p>
 <p>RU400 Solid copper conductor, low loss coaxial cable CNT-400 / LMR-400™ equivalent (* times microwave) P/N 7890 Available in 100m ,300m, 500m roll or alternatively request a custom cable assembly</p>	 <p>N-type male crimp connector for RU400 low loss, solid conductor P/N 8226 Tri-metal plated</p>

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Vehicle Mounting locations - MUST BE METAL SURFACE



- Best/Recommended location for mounting - must be metal surface
- Suitable mounting locations- must be metal surface
- Not suitable mounting locations

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