Australian manufactured in East Gippsland

ZM14-VHF

Vessel deck or mast mount collinear

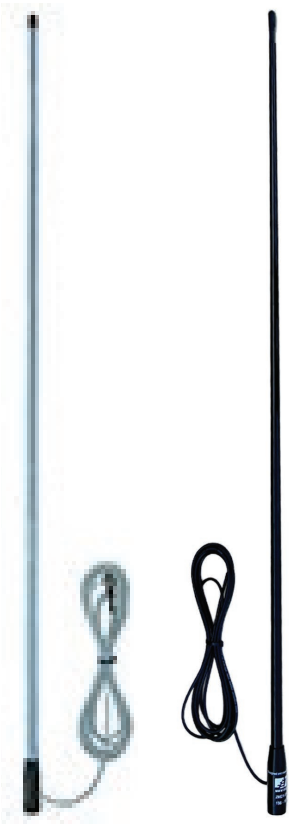
Marine radio VHF 156-162 MHz

In-stock Ready to Ship

The ZM14-VHF is designed to cover the full Marine VHF communications band 156 - 162 MHz. The ZM14-VHF is identical in appearance to all the ZM14 series of marine antennas.

Mounting hardware, water-proofing, adaptors and other installation accessories are all available separately.

	ZM14-VHF	ZM14-VHF-B
Construction	White fibreglass radome, chrome mount ferrule and side exit external cable assembly	Black fibreglass radome, black brass mount ferrule and side exit external cable assembly
Frequency range	156-162 MHz - VHF marine radio	
Bandwidth	Full frequency range stated - 6 MHz	
VSWR	156-158 MHz <1.5:1 - incl Emergency channel 21 & 22 158-162 MHz <2.0:1	
Tuning	Factory	
Gain	2.1 dBi	
Maximum power	50 Watts	
Impedance	50 Ohms	
Polarisation	Vertical - do not lean/tilt once installed, only during transit	
H Plane	360° omnidirectional	
Cable	4.5 metres MIL-SPEC RG58 low loss, side exit from ferrule	
Connector	UHF male PL259 solder connector - supplied not fitted	
Height	1.4 metres	
Weight	1.0kg	
Mounting hardware order separate	MM1/MM1-B plastic fold-down base or MM2 stainless steel MMA or MMA-SS mast mount adaptor for mast mounting Alternate: A-3050 adaptor and 1270 spring base with 1/2" bolt	
Mounting position recommended	Mount as high on your vessel/structure as possible Example building/vessel roof or vessel deck/handrail	





ZM series chrome mount ferrule with 1-1/4" UNS female thread



UHF male PL259 connector, solder pin, twist style

+61 3 5157 1203
www.zcg.com.au

1 Year Manufacturers Warranty
Terms & Conditions apply.

Specifications are subject to change without prior notice

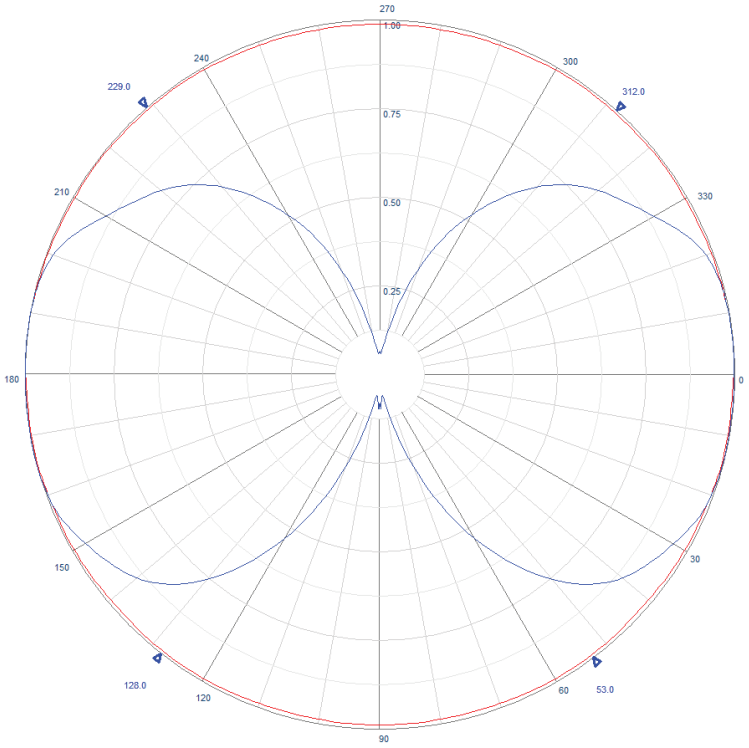
ZM14-VHF

Vessel deck or mast mount collinear

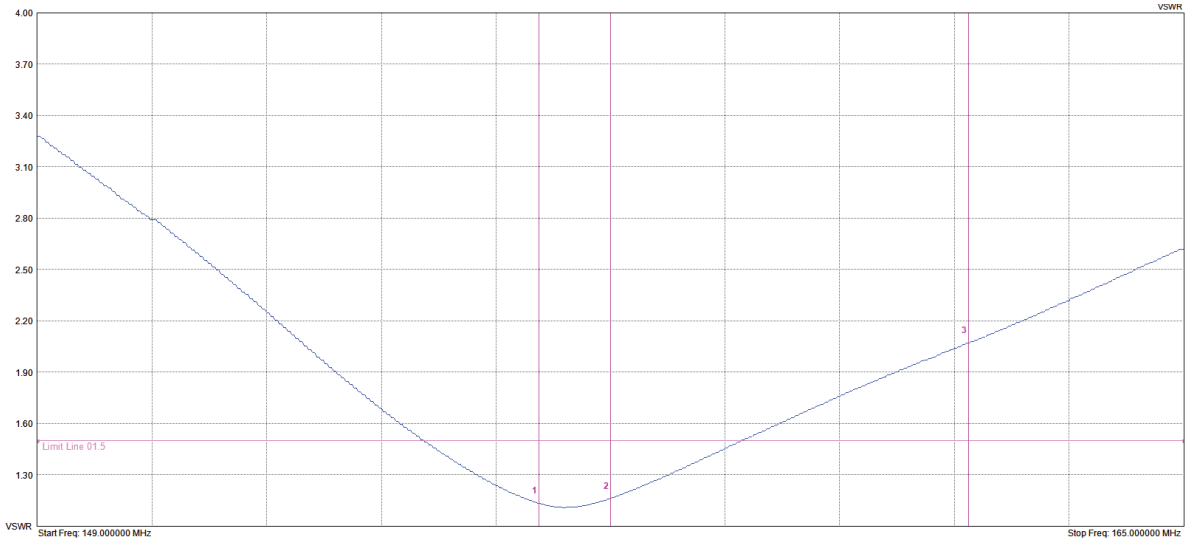
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Example radiation pattern - ZM14-VHF



Mkr	Ref	Delta	Ref Freq	Ref Amp	Delta Freq	Delta Amp
1	☑	☐	156.000 MHz	1.13VSWR	--	--
2	☑	☐	157.000 MHz	1.16VSWR	--	--
3	☑	☐	162.000 MHz	2.07VSWR	--	--
4	☐	☐	--	--	--	--

Typical VSWR - ZM14-VHF

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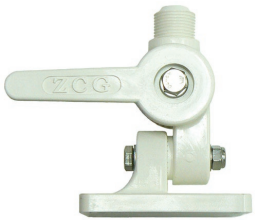
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Alternate mounting hardware



MM1 toughened white nylon dual axis, rachet fold down mount

Requires mounting screws/ bolts and mounting hardware for antenna



MM2 316 stainless steel dual axis, rachet fold down mount

Requires mounting screws/ bolts and mounting hardware for antenna



MM1-B toughened black nylon dual axis, rachet fold down mount

Requires mounting screws/ bolts and mounting hardware for antenna



MM3 Marine heavy duty stainless steel fixed flat antenna mount

Requires mounting screws/ bolts and mounting hardware for antenna



MMA series - anodised aluminium mast mount adaptor 250-1200mm

Requires mounting hardware EB1-SS or UB2-SS



MMA-SS - 304 stainless steel mast mount adaptor 250mm

Requires mounting hardware EB1-SS or UB2-SS



CFB series - Galvanised steel 'J' hockey stick brackets, 1.1 - 2.1 metres.

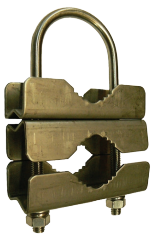
Requires mounting screws/ bolts and mounting hardware for antenna



SFB Series - galvanised steel pole extension 0.9-2.0 metres

Roof or overhang mounting

Requires mounting screws/ bolts and mounting hardware for antenna



EB1-SS - requires 2

304 stainless steel parallel clamp

Boom: 20-40mm capability

Mount pole: 25-45mm capability

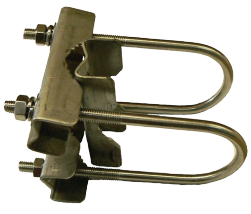


UB3-SS

304 stainless steel parallel clamp

Boom: 20-32mm capability

Mount pole: 20-50mm capability

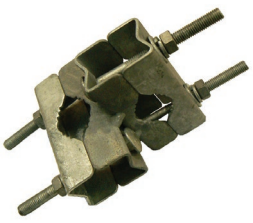


UB2-SS

304 stainless steel steel right-angle clamp

Boom: 20-50mm capability

Mount pole: 20-50mm capability



RB8

Galvanised steel steel right-angle clamp

Boom: 20-50mm capability

Mount pole: 20-50mm capability

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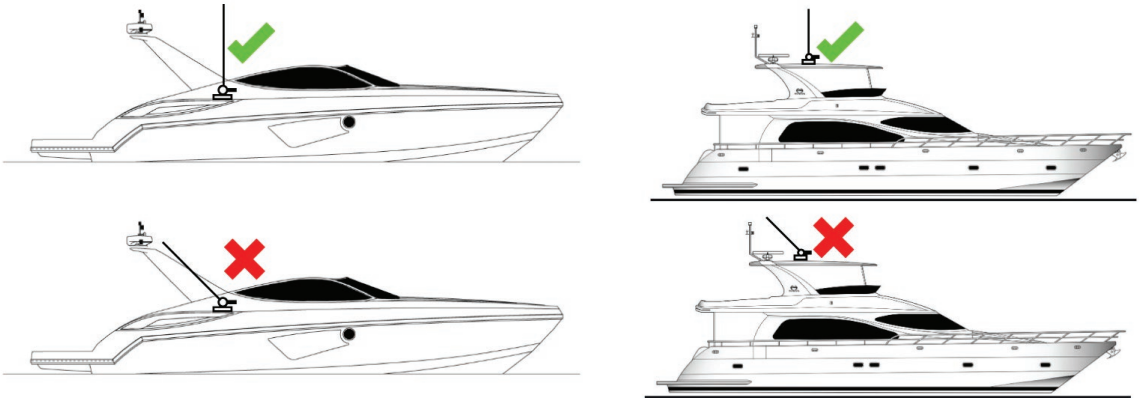
ZM14-VHF

Vessel deck or mast mount collinear

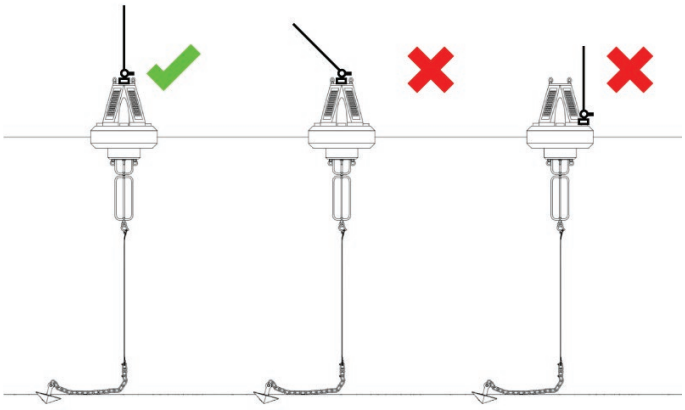
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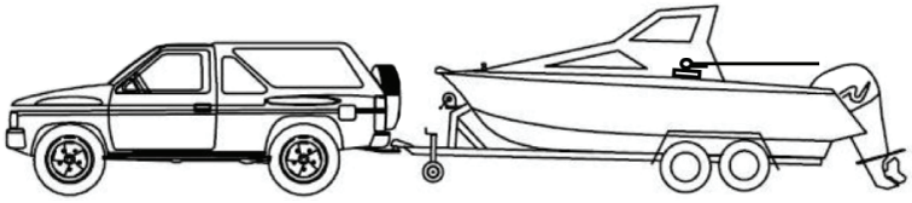
Recommended Installation orientation



Recommended Installation orientation - Buoy location



Recommended transportation orientation



ZCG recommend leaning/tilting the antenna down to parallel to the ground to eliminate any possible contact with overhead obstructions such as trees, overhead powerlines, entrance ways, roller doors or roof beams. Contact with obstructions will cause damage to your antenna or mounting surface.