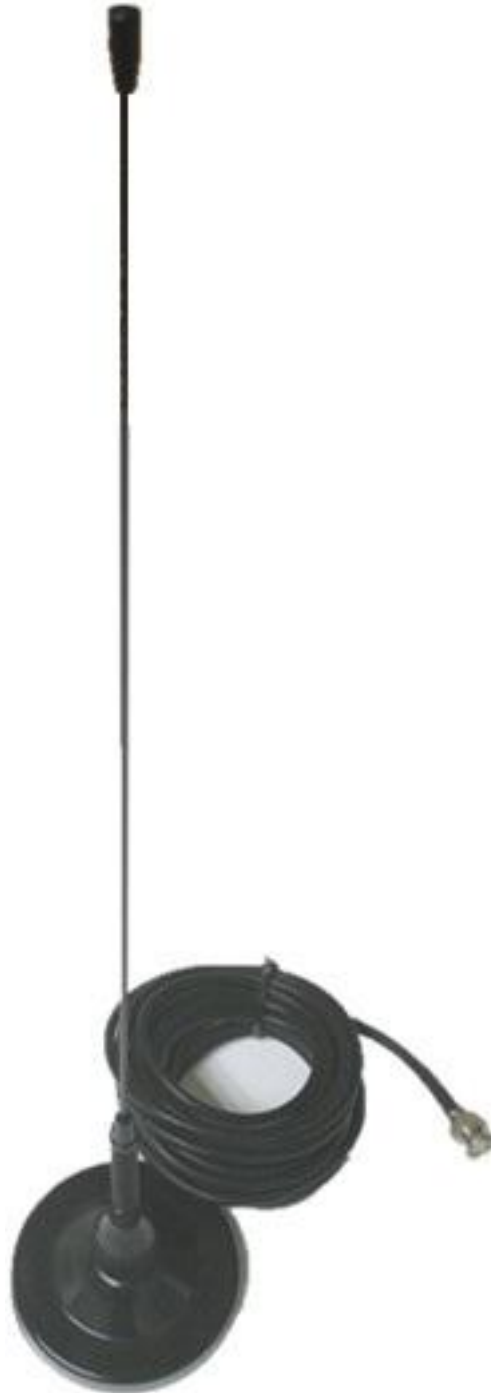


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## **QK-AS02 VHF Antenna**

### **VHF Antenna with Magnetic Base and 5m Cable**



90mm/3.5" Magnetic low profile base with 5m Co-ax Cable



Partially sprung whip aerial

## Features

- 445mm/17.5" Antenna with partially sprung whip aerial
- Marine band
- Frequency Range: 160 – 164 Mhz
- Impedance: 50  $\Omega$
- Gain: 2.15 dBi
- VSWR: <1.5:1
- Bandwidth: 6Mhz
- 90mm/3.5" Magnetic base (15mm/5/8" magnet depth, 40mm/1.5" overall depth) 5/8"/15mm antenna mount
- 15'5m cable with BNC (male) connector
- RG5 8U cable

## Applications

- Marine VHF receivers
- VHF radios

## Document history

Issue	Date	Changes / comments
1.0	07-12-2016	Initial release

## Introduction

QK-AS02 is a 2 component mobile VHF Antenna. It mounts very simply to any horizontal metal surface using a strong magnet in the base. The base includes a 5m RG5 8U Co-ax cable which connects using a male BNC connector to the VHF receiver of your choice. The whip is partially sprung to provide increased flexibility and durability and is coated to reduce corrosion. Ideal for outdoor applications needing a sturdy, movable antenna such as cars or boats.

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## Setup

### Mounting

Antenna whip screws into the 5/8"/15mm threaded connector on the magnetic base. BNC (male) connector is bayonet fitting onto the receiver (e.g. AIS Receiver or VHF radio).

### Operation

Plug and play. To have the best possible receiving range, the antenna should be placed as high as possible with a relatively clear view of the horizon. Large obstructions might shade the radio communication from certain directions, giving uneven coverage.

The antenna should be separated as much as possible (theoretically at least 3.0 meters) from any other nearby communication VHF antenna to avoid unnecessary adjacent channel interference. Best separation is achieved by installing the antenna over each other or on opposite sides of the mast.

## Operating Specifications

Item	Specification
Operating temperature	- 25°C to + 80°C
Storage temperature	- 40°C to + 85°C
Frequency range	160 – 164 Mhz
Impedance	50Ω
VSWR	<1.15:1
Bandwidth	6Mhz
Weight	<700g
Whip aerial length	445mm

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