High quality antennas
A complete range of maritime solutions

www.jrc.am
Antennas

Our range of high quality antennas and accessories are intended for use in voice, data, GPS, marine based radio and other systems. Specially designed and manufactured to provide exceptional performance and to withstand the maritime environment.

High quality design

Our antennas are made of fiberglass and/or stainless steel for high-end applications where maximum range and durability are important for example usage on oceans and large lakes. We recommend fiberglass tube antennas, which are coated with smooth polyurethane and will last for many years.

Small boats may also use stainless steel whip antennas because they are rugged and can withstand lots of mechanical forces during heeling of the small vessel. Depending on conditions and weight of an antenna, you can use stainless steel accessories like the adapter tube, deck, rail or wall mount.
AFM126-00U
AM/FM radio broadcast fiber glass antenna

- Designed for leisure boats
- Similar design VHF/AIS bands available
- Glass fiber, PVC, copper, PE, chromed brass
- UHF-female connector

GPS015-26F
Low profile active marine GPS antenna

- For navigation and tracking purpose
- Through hole deck or bracket mounting
- ABS, PE, chromed brass, PCB
- FME-male connector (integrated in base)

LHF500-00S
Two part 5 m HF fiber glass antenna with coaxial connection box

- Rugged, high quality design for professional use
- Built in matching transformer for low frequency receiving
- PU-painted glass fiber tubes and chromed solid brass
- Screw terminal inside connection box

LHF700-00S
Three part 7 m LF/HF fiber glass antenna with coaxial connection box

- Rugged, high quality design for professional use
- Built in matching transformer for low frequency receiving
- PU-painted glass fiber tubes and chromed solid brass
- Screw terminal inside connection box

LHF900-00S
Three part 9 m LF/HF fiber glass antenna with coaxial connection box

- Rugged, high quality design for professional use
- Built in matching transformer for low frequency receiving
- PU-painted glass fiber tubes and chromed solid brass
- Screw terminal inside connection box
UHF044-03N
3dB UHF fiber glass antenna (multiband)

- High quality antenna for professional use
- Multiband: LTE, GSM, UMTS, WLAN b/g/n
- Glass fiber, PVC, PTFE, PE, chromed brass
- N-female connector

UHF114-06N
6dB UHF fiber glass antenna

- Specified for GSM900, trunking, ISM
- DC grounded (DC short) anti-static
- Glass fiber, PVC, PTFE, PE, chromed brass
- N-female connector

UHF132-06N
6dB UHF fiber glass antenna

- Specified for TETRA or ISM
- DC grounded (DC short) anti-static
- Glass fiber, PVC, copper, PTFE, chromed brass
- N-female connector

VHF095-03U
3dB VHF stainless steel antenna

- Light weight, ideal for sailing boats
- Full omni directional radiation pattern
- Stainless steel, POM, chromed brass
- UHF-female connector
VHF110-03N
3/26dB VHF/GPS fiber glass antenna with diplexer

- Combined antenna for professional use
- Active GPS antenna
- Glass fiber, steel, PCB, PTFE, copper, brass
- Antenna: N-female, Diplexer: FME-male

AL-114MR  CH-114D  CH-114DW  CH-KTN*  
CH-TA      NY-114DW  NY-TA      SS-MR

* Included as standard

VHF126-03N
3dB VHF fiber glass antenna

- High quality antenna design
- Full omni directional radiation pattern
- Glass fiber, copper, PTFE, chromed brass
- N-female connector

AL-114MR  CH-114D  CH-114DW  CH-KTN*  
CH-TA      NY-114DW  NY-TA      SS-MR

* Included as standard

VHF126-03U
3dB VHF fiber glass antenna

- High quality antenna for professional use
- Similar design available for AIS and AM/FM
- Glass fiber, copper, PTFE, PE, chromed brass
- UHF-female connector

AL-114MR  CH-114D  CH-114DW  CH-KTN*  
CH-TA      NY-114DW  NY-TA      SS-MR

* Included as standard

VHF144-03N
3dB VHF fiber glass antenna

- High quality antenna for professional use
- End fed full 1/2 λ dipole antenna design
- Glass fiber, copper, PTFE, PE, chromed brass
- N-female connector

AL-114MR  CH-114D  CH-114DW  CH-KTN*  
CH-TA      NY-114DW  NY-TA      SS-MR

* Included as standard
Pole bracket
- 1"-14NF threaded base antenna
- Die cast aluminum, stainless steel

Deck mount
- 1" revolving nut mounting system
- Chromed brass, stainless steel

Revolving nut kit
- 1" revolving nut mounting system
- Chromed brass, EPDM

4-way deck mount
- 1"-14NF threaded base antenna
- Chromed brass, steel, rubber

Adapter tube
- G1"-11 threaded base antenna
- Chromed brass

Deck mount
- 1"-14NF threaded base antenna
- Nylon

4-way deck mount
- 1"-14NF threaded base antenna
- Nylon, stainless steel, rubber

Adapter tube
- G1"-11 threaded base antenna
- Reinforced nylon

Deck mount
- 1"-14NF threaded base antenna
- Polished stainless steel

Mounting kit (large)
- Pole and rail mounting
- Stainless steel

Mounting kit (small)
- Pole and rail mounting
- Stainless steel

Pole/wall mount
- 1"-14NF threaded base antenna
- Stainless steel
Frequencies between 3000 hertz (3 KHz) and 300,000,000,000 hertz (300 GHz) are called radio frequencies since they are commonly used in radio communications. These are the frequency bands:

<table>
<thead>
<tr>
<th>Bands</th>
<th>Frequency</th>
<th>Wavelength</th>
<th>Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>VLF</td>
<td>3 to 30 kHz</td>
<td>100 to 10 km</td>
<td>Submarine communication</td>
</tr>
<tr>
<td>LF</td>
<td>30 to 300 kHz</td>
<td>10 to 1 km</td>
<td>Vessel/airplane beacon</td>
</tr>
<tr>
<td>MF</td>
<td>300 to 3000 kHz</td>
<td>1 km to 100 m</td>
<td>Marine/AM/Amateur radio</td>
</tr>
<tr>
<td>HF</td>
<td>3 to 30 MHz</td>
<td>100 to 10 m</td>
<td>Marine/Air/Amateur radio</td>
</tr>
<tr>
<td>VHF</td>
<td>30 to 300 MHz</td>
<td>10 to 1 m</td>
<td>Marine, TV, FM, Police radio</td>
</tr>
<tr>
<td>UHF</td>
<td>300 to 3000 MHz</td>
<td>1 m to 1 cm</td>
<td>Marine, Mobile phone, WiFi</td>
</tr>
<tr>
<td>SHF</td>
<td>3 to 30 GHz</td>
<td>10 to 1 cm</td>
<td>Radar, Satellite broadcasting</td>
</tr>
<tr>
<td>EHF</td>
<td>30 to 300 GHz</td>
<td>1 cm to 1 mm</td>
<td>Radio astronomy</td>
</tr>
</tbody>
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