

# AIS74

## 4 dB AIS Glass Fibre Antenna 1.36 m

Long range high gain International Maritime AIS Antenna for professional use

- Economical replacement for all professional marine AIS antennas
- Improved gain compared to other high quality marine AIS antennas
- Reduced antenna weight compared to similar marine AIS antennas

### ELECTRICAL SPECIFICATIONS

|                       |   |
|-----------------------|---|
| Frequency             | 161.5 - 162.5 MHz (International AIS-band)                |
| Bandwidth             | 1 MHz   |
| Antenna Type          | End-fed full $1/2 \lambda$ dipole - no groundplane needed |
| Impedance             | 50 Ohm  |
| Gain                  | 4 dB (Marine), 0.5 dBd, 2.6 dBi                           |
| Vswr                  | < 1.3:1   |
| Polarisation          | Vertical  |
| Radiation Pattern     | Omni-directional  |
| Max. Input Power      | 150 W   |
| Antistatic Protection | Direct Ground (DC-short)                                  |



## MECHANICAL SPECIFICATIONS

|                       |  |
|-----------------------|--|
| Color                 | White and chrome   |
| Length                | 1360 mm  |
| Weight                | 220 g  |
| Mounting              | On 1" threaded pole (G1"-11 thread) with Revolving Nut Kit or on optionally brackets |
| Mounting Place        | On rail, mast or deck  |
| Materials             | PU-painted glass fibre, copper, PCB, PE and chrome plated solid brass                |
| Survival Wind Speed   | 55 m/s (125 mph)   |
| Operating Temperature | -55C to +70C (IEC 60068-2-1, IEC 60068-2-2)  |
| Connector             | UHF-female   |
| Cable                 | No cable supplied  |
| Ingress Protection    | IP66   |
| Vibration             | IEC 60068-2-6, IEC 60068-2-64  |
| Serial no.            | On product label   |

## ORDERING INFORMATION

|     |   |
|-----|---|
| P/N | 12074-xxx   |
| P/N | 12074-000 (Antenna only - bulk packing)                     |
| P/N | 12074-001 (Antenna only - in Polybag)                       |
| P/N | 12074-002 (Antenna only - in Carton tube)                   |
| P/N | 12074-431 (Antenna + 1" Revolving Nut Kit - in Polybag)     |
| P/N | 12074-432 (Antenna + 1" Revolving Nut Kit - in Carton tube) |

## PACKAGING INFORMATION

|      |   |
|------|---|
| Type | Bulk packing or individually packing in Polybag or Carton tube (See "ORDERING INFORMATION") |
| Size | Approx. 1.5 m   |



