

CXL 900/1800LW

Dual Band Base Station and Marine Antenna for the 900 MHz and the 1800 MHz Bands



DESCRIPTION:

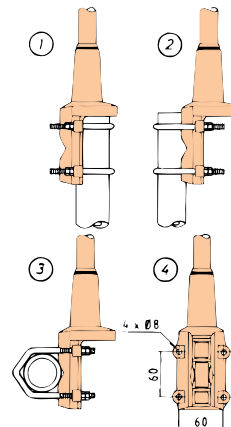
- ★ Dual band base station and marine antenna – two bands with only one antenna.
- ★ Covering both GSM/NMT-900 and DCS-1800/PCN (GSM 900/1800).
- ★ Particularly suitable for use with dual-band mobile phones.
- ★ Unity gain on both bands.
- ★ Wide variety of accessory mounting brackets available.
- ★ The antenna is provided with our sturdy type “LW” mast mount, which is a lightweight, multi-purpose, epoxy-coated mounting bracket made of non-corrosive aluminium. The accompanying U-bolts and fittings are made of stainless steel.
- ★ The antenna can be mounted on vertical or horizontal mast tubes, 16 to 54 mm in outer diameter. Further, the construction of the mount makes it possible to lead the cable either along the inside or on the outside of the mast tube.
- ★ The carefully designed, broad-banded antenna element is sealed in a high-quality, conical glassfiber tube with low wind-load, which will ensure undisturbed performance by corrosive environments.
- ★ To substantially reduce noise caused by atmospheric discharges, all metal parts in the antenna are DC-grounded. Consequently, the antenna shows a DC-short across the coaxial cable.
- ★ The CXL 900/1800LW is a vibration-proof, lightweight, slim-line, corrosion resistant, modern style base station and marine antenna.

SPECIFICATIONS:

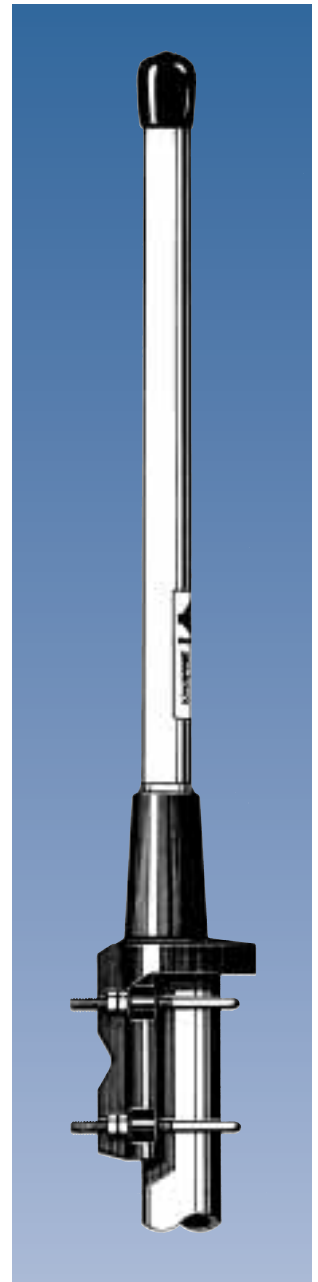
ELECTRICAL	
MODEL	CXL 900/1800LW
ANTENNA TYPE	Dual band base station and marine antenna
FREQUENCY	890-960 MHz/1710-1880 MHz (GSM 900/1800)
IMPEDANCE	Nom. 50 Ω
POLARISATION	Vertical
GAIN	Unity (both bands)
MAX. POWER	100 watt
ANTISTATIC PROTECTION	All metal parts DC-grounded (Connector shows a DC-short)
MECHANICAL	
TEMP. RANGE	-30° C i +70° C
CONNECTOR	N-female
WIND SURFACE	Approx. 0.018 m ²
WIND LOAD	Approx. 20 N (at 150 km/h)
COLOUR	Marine white
MATERIALS	Radome: Polyurethane coated fiberglass Mounting bracket: Seawater resistant aluminium, epoxy-coated
TOTAL HEIGHT	Approx. 0.50 m
WEIGHT	Approx. 0.6 kg
MOUNTING	On 16–54 mm dia. mast tube

GSM 900/1800

MULTI-PURPOSE MOUNTING BRACKET:



- ① Mast tube D_i min = 30 mm
Mast tube D_o max = 54 mm
- ② Mast tube D_o max = 54 mm
Mast tube D_o min = 16 mm
- ③ Mast tube D_o max = 54 mm
Mast tube D_o min = 16 mm



PLEASE NOTE:

The antenna is delivered with a DC-connection between the antenna element and the mounting bracket (i.e. the mast tube). This feature is important when the antenna is used as a base station antenna.

