



ANTENNA SPECIFICATIONS

Antenna type:

P8021:	Amplified omnidirectional TV/ FM antenna
P8022:	Amplified omnidirectional TV/ FM antenna
P8023:	Amplified unidirectional TV/ FM antenna
Polarisation:	Horizontal
Antenna radome:	Marine grade UV inhibited glass-filled nylon, 200mm/ 8" x 40mm/ 1-1/2"

Antenna elements:	P8021: anodised 6063-T5 aluminium P8022: internal coaxial element P8023: anodised 6063-T5 aluminium
Amplifier:	Advanced high gain, low noise all surface mount design on double-sided sealed glass-fibre printed circuit board.
Operating ambient temperature range:	-30°C to +60°C
Amplifier frequency range:	40-890MHz (includes VHF TV 40-230MHz, UHF TV 470-890MHz, and FM radio 86-108MHz)
Amplifier gain:	>22dB
Amplifier noise:	<2dB
Output voltage:	(DIN 45004) 111dBuV
Output impedance:	75 ohms
EMC compliance:	IEC 61000-6-1, EN 55024-2, EN 55024-4
Antenna power on indicator:	Blue light emitting diode in radome
Power injector supply voltage:	10-14.5VDC
Injector power on indicator:	Red light emitting diode
Supply current:	30mA average

 conforms to EU directive 89/336/EEC
 Z104
 Made in New Zealand

Antenna dimensions and weights:

P8021

Diameter 450mm/ 18", Depth 40mm/ 1-1/2", Weight 460g/1lb

Antenna Mast: 450mm/ 18"

P8022

Diameter 200mm/ 8", Depth 40mm/ 1-1/2", Weight 370g/ 13oz

Antenna Mast: 200mm/ 8"

P8023

Diameter 200mm/ 8", Depth 40mm/ 1-1/2", Length 1120mm/ 44", Weight 460g / 1lb

Antenna Mast: 450mm/ 18"

Shipping carton dimensions and weights:

P8021:	470mm x 470mm x 70mm, 1.6kg 18-1/2" x 18-1/2" x 3", 3lb 8oz
P8022:	225mm x 280mm x 70mm, 1.2kg 8" x 11" x 3", 2lb 10oz
P8023:	1125mm x 215mm x 60mm, 1.5kg 44" x 8" x 2", 3lb 5oz

P8021/P8022 Carton contains:

OmniPro TV antenna

Antenna mast

Installation kit: 10m/ 32ft white MATV coaxial cable with fitted Pro mast mount and connectors, 2 wedge shaped slope adjusting washers, 1 white 16mm nut, 2 white cable entry hole covers, 1 dome weathershield

Power injector with 12volt power cable and plug

TV cable 1.5m/ 5ft with fitted connectors

Installation instructions

P8023 Carton contains:

UniPro TV antenna

Antenna mast with locking screw

Installation kit: 5m/ 16ft white MATV coaxial cable with fitted Pro mast mount and connectors, 2 wedge shaped slope adjusting washers, 1 white 16mm nut, 2 white cable entry hole covers, 1 dome weathershield, allen key for locking screw

Power injector with 12volt power cable and plug

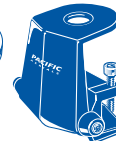
TV cable 1.5m/ 5ft with fitted connectors

Installation instructions

OPTIONAL ACCESSORIES

P9100 Stainless steel mounting flange (use where the mounting position is inaccessible from below)

P2024 Aluminium Gutter bracket (use on caravans, motorhomes and recreational vehicles)



169 Moore Street Howick
 PO Box 38 421 Howick
 Auckland New Zealand

EMAIL: info@pacificaeerials.com

WEB: www.pacificaeerials.com

PHONE: +64-9-533 5922

FAX: +64-9-533 5944

FREEFAX NZ: 0800- 677 688

FREEFAX AUST: 1800- 677 688



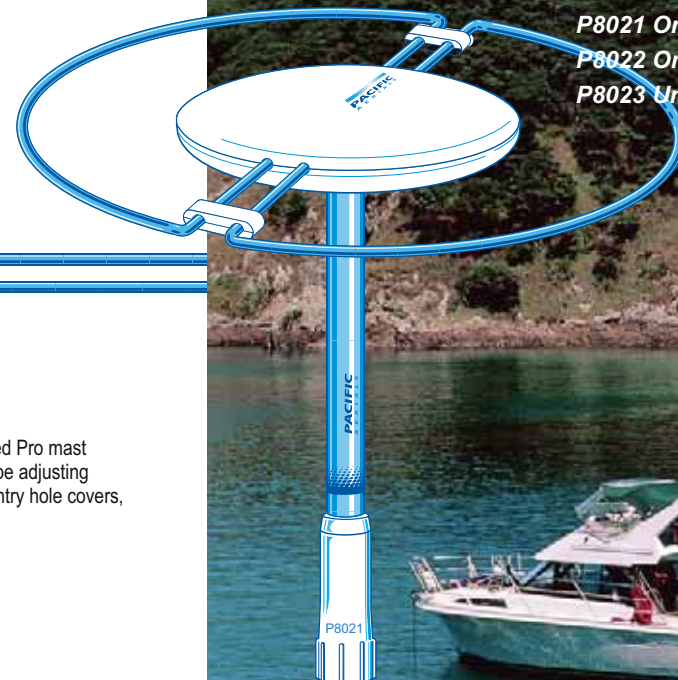
**PACIFIC
AERIALS**

MOBILE TV ANTENNAS

P8021 OmniPro VHF/UHF

P8022 OmniPro UHF

P8023 UniPro VHF/UHF

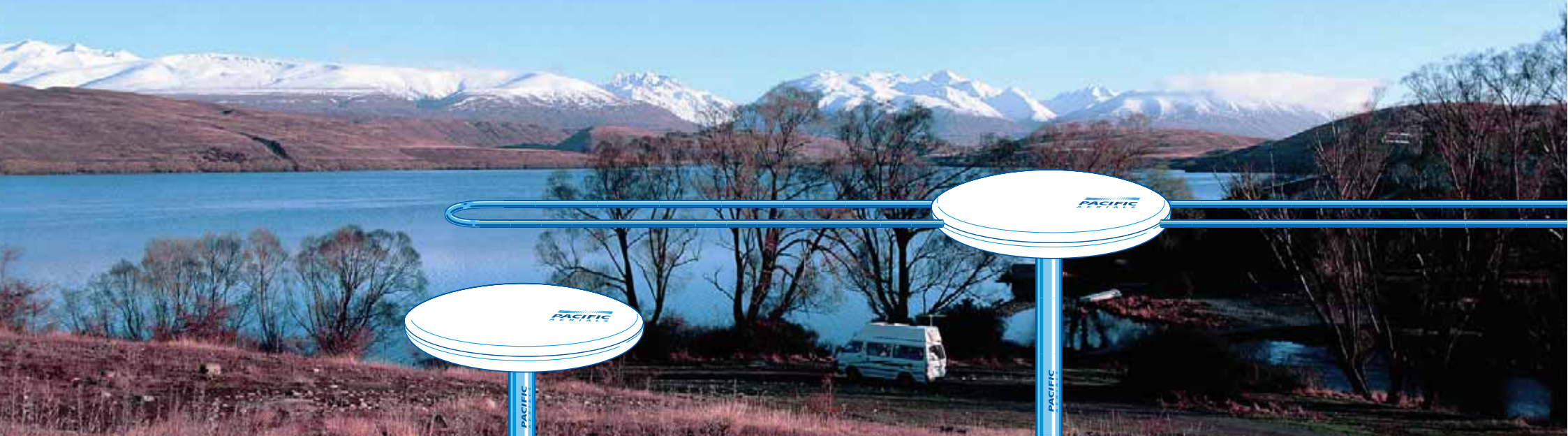


TV and FM radio reception from any direction for boats, caravans, motor homes and recreational vehicles.

- New dual dipole design gives superior performance
- Light and strong
- Quick and easy to install and remove
- Light emitting diodes confirm correct connection
- Covers all television and FM radio bands
- High gain/ low noise amplifier maximises the available signal
- Digital ready
- Modern styling
- Neat installation
- Maintenance free – non-corroding materials
- Choice of omnidirectional or unidirectional models



**PACIFIC
AERIALS**



SUPERIOR PERFORMANCE

Pacific's new P8021, P8022 and P8023 TV antennas are a 21st century approach to mobile TV antenna design.

All three antennas use dual dipole array technology in combination with a built-in high gain amplifier to provide outstanding reception. Amplifiers at the antenna have the advantage of boosting the TV signal "as received" instead of after the additional losses of coaxial cables and connectors and possible interference from nearby electronic equipment. Pacific's amplifier design has a wide dynamic range which automatically adjusts between very strong and very weak signals.

All antennas cover the full TV channel plan from 40-890MHz, including the FM radio band 88-108MHz. The larger diameter P8021 has advantages on the lower VHF TV channels and in remote locations. The P8022 is one of the smallest mobile TV antennas ever made and has outstanding performance on UHF TV and FM radio bands and inside VHF TV fringe areas.

The P8023 has the same VHF advantages as the P8021, with the additional advantage that it can be rotated to the "best picture" position and locked in place.

LIGHT AND STRONG

The amplifier and all antenna components are robust, vibration and shock resistant and built of materials with proven track records in harsh marine and recreational environments.

P8022

QUICK AND EASY TO INSTALL AND REMOVE

Simplicity of installation and removal is one of the big advantages of Pacific's Pro Series antennas for caravans, motor homes and recreational vehicles. The antenna can be removed easily when the vehicle is unattended, being washed, or being manoeuvred through low-hanging tree branches.

The ease and simplicity of removal and reinstallation is also important on boats which are covered for winter, or stored in low overhead locations.

Detailed step-by-step installation instructions are included with each antenna.

MODERN STYLING

The appearance of Pacific's OmniPro and UniPro antennas complements modern boats and caravans. The antennas are modern, slim and low windage. Pacific's Dual Dipole Array technology comes into its own in the VHF/ UHF P8021 and P8023, which are full size, yet avoid the "sun umbrella" appearance and undesirable aerodynamic characteristics of antennas with massive radomes. The elegant P8022, one of the smallest omnidirectional TV antennas available, uses the same technology, contained completely inside the compact radome.

WHICH ANTENNA?

Marine TV antennas have to be omnidirectional (able to receive TV signals from any direction) because a boat under way or swinging at anchor is constantly changing its bearing to the TV

P8023

transmitter. Both the P8021 and the P8022 OmniPro antennas are omnidirectional.

If the antenna is for a caravan, motor home or recreational vehicle, consider the P8023 UniPro TV/FM antenna. The P8023 is unidirectional and can be adjusted and locked on the "best picture" position each time the vehicle is moved. The P8023 is not suitable for a boat at anchor.

Because omnidirectional antennas receive signals from any direction, weaker reflected signals may show on the television as "ghosts". Ghosting is most likely to be noticed in marinas, where there are many reflected signals. Pacific's advanced design minimises this effect, but the presence of "ghosts" in these locations is confirmation the antenna is doing what it should do – receiving signals from all directions.

Favourite anchorages and campsites are often in the fringe coverage areas where the TV signal is weak and variable. Pacific's amplified TV antennas will make the most of a weak TV signal. No antenna can produce a picture where there is no TV signal. In fringe TV coverage areas, shifting a few metres can make the difference between a good picture and no picture.

A top quality television is the smart choice for a boat, caravan, motor home or recreational vehicle. Some televisions are less sensitive than others and may not give a useable picture outside the main coverage areas.

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