

RFI WIRELESS SOLUTIONS

- Base Antennas
- Cables & Connectors
- Cable Mounting
- Lightning Protection
- Multicoupling
- Repeaters

rfiwireless.com.au

RFI SOLAR

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RFI EXTENDS FREE ENVOY OFFER

Claim one **FREE Envoy** for every 24 Enphase Microinverters that you purchase from RFI Solar*

HURRY OFFER ENDS FRIDAY 13th!

FREE

The Envoy is the brain of any Enphase system, connecting every module and Enphase Microinverter to the internet, where you and your customer can remotely monitor and proactively manage their system

Contact Solar Central
Phone: 1300 000 RFI Fax: 02 9630 0844
rfisolar.com.au solar@rfi.com.au

Offer ends Friday 12th March 2015. Applicable to the M215-G4 and M250. *Buy multiples of 24 Enphase Microinverters to claim Free Envoy, i.e. Buy at least 24 Micro's to receive 1 Envoy. Buy at least 48 Micro's to receive 2 Envoy. Buy at least 72 Micro's to receive 3 Envoy's etc. While stocks last.

GETCONNECTED Pulse

Pulse® now offers complete custom cable assemblies manufactured to your specifications.

Welcome to Pulse

GETCONNECTED Pulse

N Series Panel Mount Jacks

GETCONNECTED Pulse

N-213

MiniSystem Combiner

Application Note

RFI

MiniSystem Combiner

APPLICATION DIAGRAM

MiniSystem Combiner

MSN Benefits

Dipole Array Installation Guide

Please Ensure, **SAFETY AT ALL TIMES**

BEWARE **WARNING** **WEAR PROTECTIVE CLOTHING**

DO NOT INSTALL NEAR POWER LINES, TELEPHONE LINES AND COY WIRES. THEY ALL CAN ELECTRICUTE YOU.

Disconnect all power to transmitters related to the installation.

WARNING DISCONNECT MAINS SUPPLY

Wear safety harness / belt

INS-4155-1 rfiwireless.com.au 1

1. Overview

2. Details

3. Installation

4. Final Assembly

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01 RFI Trade Show Banner. This was created using Photoshop and Indesign CC
 02 RFI Solar EDM. This EDM was created using Photoshop and Dreamweaver CC.
 03 Pulse CMS Website. This project was created using Photoshop and Dreamweaver CC and Joomla 1.5.
 04 MiniSystem Combiner Catalogue. This project was created using Photoshop and Indesign CC.
 05 Dipole Array installation Sheet. This project was created using Illustrator and Indesign CC.



WAVES
RFI Solutions, Services And People



Sydney Harbour Tunnel
RFI successful project pg.2

RFI partners with 3M Polkor & XCOR
New possibilities pg.4

Solar Energy Storage Solutions
Energy new products pg.8

Rosenberg Connectors
New range of solutions pg.9

**Sydney Harbour Tunnel
Rebroadcast System Upgrade**

RFI was engaged to provide a comprehensive rebroadcast system for the Sydney Harbour Tunnel. The system includes a range of repeaters and antennas to ensure reliable mobile communication throughout the tunnel.

DSFDR Repeaters Provide Underground Comms On Major Mineral Resources Project

RFI was engaged to provide a comprehensive DSFDR (Digital Signal Frequency Repeater) system for a major mineral resources project. The system includes a range of repeaters and antennas to ensure reliable mobile communication in underground environments.

Solar Energy Storage Solutions

RFI provides a range of solar energy storage solutions, including inverters and batteries, to ensure reliable power supply for remote locations.

RFI Wireless

RFI Monthly Product Focus March 2015

RF Personal Protection Equipment

RFI Personal Protection Equipment (PPE) is designed to protect workers in high-risk environments. The range includes safety harnesses, fall arrest systems, and safety helmets.

Heavy Duty Ringing Tool

The Heavy Duty Ringing Tool is a rugged, high-strength tool designed for use in mining and construction environments. It features a heavy-duty handle and a high-strength cutting edge.

Grounding Kit

The Grounding Kit is designed to provide a safe and effective grounding system for electrical equipment. It includes a range of grounding cables, clamps, and connectors.

Cable Clamp with Insulator

The Cable Clamp with Insulator is designed to provide a secure and safe connection for electrical cables. It features a high-strength clamp and a high-strength insulator.

RFI Wireless

MAN OF STEEL

Be The Next **LEGEND** Of The "TIE-OFF" Championships



PANDUIT™ 1st and 2nd place prizes.
The **LEGEND** decides

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rfisolar.com.au solar@rfi.com.au

A WORLD OF MOBILE RADIO EXPERIENCE

Extensive range of mobile antennas

- Multiband & broadband mobile antennas
- Retainist ground independent designs
- Extensive range of mounting options
- Elevated lead, roof mount & glass mount designs

Innovative combining solutions

- Cavity, expandable, star and hybrid designs
- Control station combiners
- Low noise Pa Multiplexers

Coverage enhancement & Rebroadcast solutions

- Frequency translating & non-translating repeaters
- Broadband DSF (Digital Signal Processing) repeaters
- Digital and analogue rebroadcast systems
- Antenna system monitoring devices

Please Contact 1300 000 734 or www.rfiwireless.com.au

RFI WIRELESS

CD2195 Multi-band Cellular Mobile Antenna

- Market leading cellular mobile antenna
- 4.5 dB gain for omnidirectional coverage
- Compatible with all carriers
- Patented Mountant Technology

Your critical link

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01

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01 RFI Waves Catalogue. This project was created using Indesign CC
 02 RFI Monthly Product Focus EDM. This project was created using Indesign CC
 03 RFI Promo Banner. This project was created using Photoshop and Indesign CC
 04 RFI Solar EDM. This project was created using Photoshop and Dreamweaver CC
 05 RFI Magazine Advert. This project was created using Indesign CC
 06 RFI Magazine Advert. This project was created using Indesign CC

Yagi Antenna Y906 and Y909 Series 300-600 MHz

The high gain yagi antenna provides a solution where operation within the limited bandwidth of the VHF band is required. The Y906 and Y909 series are designed to provide maximum gain, consistency and performance, making them ideal for a wide range of applications.

The unique design allows for independent performance across the entire bandwidth, with consistent SWR and consistent radiation pattern over the entire bandwidth. The passive elements are mounted to the square boom using ground plane pins, which allows for the highest SWR across the entire bandwidth.

Applications include RF control, short or long haul, control station monitoring and telemetry modulation leading to high performance antennas in portable and portable applications.

Features:

- Wide band coverage from 300MHz to 600MHz
- High gain consistency
- Consistent front to back ratio
- Consistent consistency in performance
- Designed to increase the performance of FM

Model	Frequency Range (MHz)	Gain (dBi)	SWR	Front to Back Ratio (dB)
Y906	300-600	12.5	1.5	20
Y909	300-600	12.5	1.5	20

UHF Stainless Steel Yagi Antennas 300-600 MHz

The UHF Series is a range of high gain stainless steel yagi antennas which provide excellent performance across the entire bandwidth of the UHF band. The antennas are designed to provide maximum gain, consistency and performance, making them ideal for a wide range of applications.

The antennas are constructed from 316 marine grade stainless steel with the passive elements, through mounted to the boom to ensure maximum performance and durability.

Applications include RF control, short or long haul, control station monitoring and telemetry modulation leading to high performance antennas in portable and portable applications.

Features:

- Wide band coverage from 300MHz to 600MHz
- High gain consistency
- Consistent front to back ratio
- Consistent consistency in performance
- Designed to increase the performance of FM

Model	Frequency Range (MHz)	Gain (dBi)	SWR	Front to Back Ratio (dB)
UHF300	300-600	12.5	1.5	20
UHF600	300-600	12.5	1.5	20

800 MHz Yagi Antennas 840-1000 MHz

The 800 MHz Series are high gain FM yagi antennas which provide excellent gain to gain the maximum performance across the entire bandwidth of the 800 MHz band. The antennas are designed to provide maximum gain, consistency and performance, making them ideal for a wide range of applications.

The antennas are constructed from 316 marine grade stainless steel with the passive elements, through mounted to the boom to ensure maximum performance and durability.

Applications include RF control, short or long haul, control station monitoring and telemetry modulation leading to high performance antennas in portable and portable applications.

Features:

- Wide band coverage from 840MHz to 1000MHz
- High gain consistency
- Consistent front to back ratio
- Consistent consistency in performance
- Designed to increase the performance of FM

Model	Frequency Range (MHz)	Gain (dBi)	SWR	Front to Back Ratio (dB)
800MHz	840-1000	12.5	1.5	20

Solar Panel Pole Mount Kits

The Solar Panel Pole Mount Kits are designed and manufactured in Australia, specifically to meet a range of PV panel sizes and weights. The kits are designed to provide a secure and reliable mounting solution for solar panels. They are ideal for mounting on a 30mm diameter stainless steel pole or a 40mm diameter stainless steel pole.

Features:

- High strength and consistent resistance
- Easy to install and use
- Free 3D CAD files in AutoCAD format
- Full technical drawings and installation instructions
- Complies with Australian Standards AS/NZS 1170:2002

Model	Panel Size (mm)	Weight (kg)	Wind Load (kN/m²)
SPM1	1000 x 500	10	0.5
SPM2	1500 x 500	15	0.5
SPM3	2000 x 500	20	0.5

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RFI Wireless - Welcome to RFI Wireless

Receive latest news, offers and more...

Welcome to RFI Wireless

RFI offers customers a diverse range of products and services, from complete integrated turnkey solutions to custom design systems. In the design, manufacture and distribution of the RFI base antenna and microwave systems, we provide antenna systems, lighting management, cables and connectors, solar powered site solutions and towers. [Read more](#)

RFI Wireless Events

Find local RFI wireless events in your town. [Read more](#)

Product At A Glance

Receive latest news, offers and more...

RFI Wireless has Newsletters every month, join today

Newsletter Signup

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RFI Wireless - Our Locations

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Email: Sales@RFI.com.au

RFI Antennas
Telecommunications

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UHF CB Antenna TIPS

How does it work?

UHF CB uses Frequency Modulation (FM) to transmit/receive. Since UHF signals generally travel in a straight line, the terrain impacts how well the signal is transmitted or received. For example, UHF CB radio will perform poorly in hills or forested areas and perform well in flat open countryside. UHF CB can also access repeater stations that retransmit the signal to another channel which can provide much further coverage. So to get a good antenna to complement your UHF CB radio.

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Antenna System Monitor

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CD34 Series

Ground plane Independent Design

Compact design: Only 31cm in length

Robust UV stable base & flexible whip

JUST RELEASED

RFI's new CD34 Series Mobile™ ground independent antennas stand only 31cm tall and are great for mounting in a variety of positions such as a vehicle mirror, gutter or roof rack. Mounting in each position, the CD34 is the ideal substitute for an antenna which would normally need to be mounted in the centre of a metal roof to obtain maximum efficiency.

Available in a stainless steel version or 316 (UHF) base which features a removable whip and are both supplied complete with stainless steel cable, factory formatted with a FME connector for ease of installation. Also included is a FME to UHF adapter for connection to all UHF CB radios.

- Ground plane independent design allows installation in almost any location
- Available in steel or 316 mount
- Robust UV stable base & flexible whip

CD34-7-73 CD34-7-33

NEW PRODUCT

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04

01 RFI Spec sheets, this was made in Indesign CC
02 custom coding for social media
03 ASM Video, this project was made in Flash CC
04 RFI EDM, This was created using Photoshop and Dreamweaver CC