

Get More 'Walkie Talkie'



GO PRO™

DMR Digital Repeater



Sometimes the wireless application calls for a little more walkie talkie... Introducing the Go Pro™ series GPB, two slot, DMR digital repeater. With native high and low power capability, correctly located, the Go Pro repeater will more than double/ triple or more your effective handheld communications coverage.

Now your Go Pro™ Portables can talk wherever your feet take them.

DMR
DIGITAL MOBILE RADIO ASSOCIATION

WIRELESS PACIFIC™

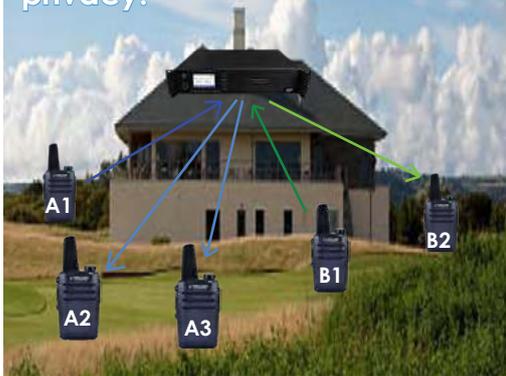


GO Pro™ Professional Digital Radio



How It Works

When A1 transmits A2 & A3 only hear A1. When A2 replies, only A1 & A3 hear. At the same time, B1 can talk to B2 and vice versa in total privacy.



Golf and Sporting Venues:

When time is money - two-way provides immediate connection at the press of a button keeping everything organised and running on-time. Two slot DMR operation means your crew are free to communicate instantly while tending the greens while your dedicated restaurant staff discreetly ensure the 19th hole delivery is always on par. ...as Go Pro digital repeaters provides both work teams with their own private voice channels.

Event Management:

Timing, effective coordination and team efficiency are all key to running a successful event - with discreet, behind-the-scenes radio communications the backbone of your operation. When the pressure is on to run a the perfect and secure event, turn to professional two-way radio.

Hospitality:

The demands of efficient hospitality are greater than ever. Two-way helps your staff seamlessly deliver: on-time, after hours room service, hotel-wide security, housekeeping and maintenance while helping juggle those nights of limited lobby and function room staff.

Construction:

With the pressure for increased efficiency and safety on site, two-way delivers. Push the PTT button and you are in touch instantly with the site manager, the project foreman and of course key, health and safety personnel.

Security:

Whether your security needs are over a wide area or across the room, two-way radio can provide instant communications for increased efficiency and spontaneous response to any situation.

Transportation and Logistics:

When dispatch or loading problems arise, team leaders can be contacted instantly. The ability to reach key staff quickly is becoming a basic requirement when increased demands are placed on higher productivity and service levels. Radio systems are ideal for team communications, OH&S, security, maintenance, evacuation and lone worker situations. When it matters, two way works.



Double...triple the distance or even more



WHY TWO-WAY RADIO?

Two-way radio is specifically designed for groups or work teams who need to communicate quickly. With a simple press of a "PTT" (push to talk) button, two-way radio allows instant clear communications between two, twenty, two-hundred or even more people – it's that simple.

In most industries, whether small or large, business professionals know that effective two-way communications can dramatically improve workplace productivity, helping you meet your clients and customers needs more efficiently than any other type of wireless communications.

Wireless Pacific's GPB Go Pro™ digital repeater provides significant coverage improvement for your Go Pro hand held radios. The GPB then repeats all received signals and retransmits them at full output power so that all other portables operating on the voice channel can get the message loud and clear.

Besides boosting coverage the GPB repeater also provides for two unique work teams to communicate at the same time without interrupting with each other. Two for the price of one you might say.

Digital Voice Privacy:

Privacy is a concern for most organisations today whether that be in protecting clients details or sharing company processes, records or sensitive company knowledge. The Go Pro can be configured with a unique encryption key that means only your radios can listen to your conversations. The advanced digital encryption delivers the same clear audio that you get from the Go Pro in its standard digital audio mode delivery voice privacy without compromise. In these days of every reducing privacy, embedded high level encryption ensure your work conversations stay strictly within in your employee teams and not accessible to others with a \$200 scanner who may want to disrupt your business or cause havoc by recording sensitive conversations and posting it on to social media.

Industrial standard - Premium quality:

Every facet of the Go Pro Repeater has been expertly engineered and painstakingly implemented to provide superior performance with the utmost reliability. Each Go Pro repeater is built to an exacting standard which has historically only been associated with digital repeaters costing many thousands more than the GPB series.

Besides global technical specification compliance, the Go Pro repeater is designed to meet relevant fixed site environmental conditions as well as other pertinent operational endurance requirements. Unlike many other repeater designs, Go Pro features, a rock-solid, aluminium die-cast core chassis supporting all its radio electronics and associated audio and switching peripheral circuitry. The entire unit is then embedded into a traditional 19" rack mount housing featuring a colour LCD front panel for accessibility and operation status assessment, making it the perfect choice for standalone or multi-base site arrangements.

Integrated Antenna Duplexer:

The Go Pro Repeater incorporates a high spec antenna duplexer which means installation is a breeze. Simply choose the optimum site location, install and connect the antenna network provided by your supplier. Now plug the GPB by into a nearby AC power point and you are ready to talk. Naturally your supplier can arrange installation services should your required coverage area require the services of professional antenna fitters.

Battery Back-Up

Need 24 hour battery back up? Your Go Pro repeater supplier can provide DC battery back up solutions for locations subject to power failure and unexpected outages.

Specifications

Go Pro™ Professional Digital Repeater



Includes: internal AC/DC power supply and antenna duplexer.

General:

Model No	GPB-D1
Frequency Range	400 – 480 MHz
No of Channels	16
Dimensions	88 x 483 x 366 mm
Weight	14kg
AC Current Standby	500mA
AC Current Repeat	4000mA Max
Operating Temperature	-30° - +60° C
Storage Temperature	-30° - +70° C
FCC Reference	ABZ99FT4025

Transmitter:

Channel Spacing	12.5kHz
Frequency Stability	+/-0.5ppm
Tx Power (from Duplexor)	High : 25W Low : 5W
Max Tx Duty Cycle	Continuous
Max Frequency Deviation	+/- 2.5kHz
Tx Transient Performance	ETS 300-086/113
FM Hum & Noise	> -40dB @ 12.5kHz
Cond. / Radiated Emissions	-36dB (<1GHz)-30dB (>1GHz <4GHz)
Adjacent Channel Power	< -60dBc
Audio Response	+1, -3dB
Audio Distortion	<3%
FM Modulation	12.5kHz : 11k0F3E
4FSK Digital Modulation	12.5kHz : 7k60FXE
Digital Protocol/Vocoder	DMR® AMBE+2™
Tx Time Out Timer	60 seconds

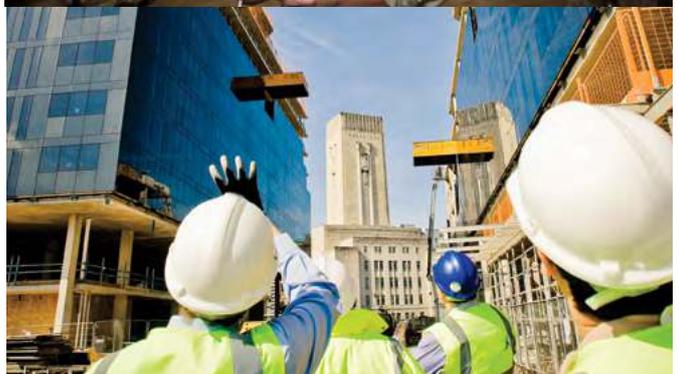
Receiver:

Channel Spacing	12.5kHz
Analog Sensitivity	<0.25 uV (12dB SINAD)
Digital Sensitivity	<0.3 uV (5% BER)
Intermodulation	> 71dB
Rx Blocking	> 94dB
Adjacent Channel Selectivity	>65dB
Spurious Rejection	>-71dB
Spurious Emissions	< -57dBm (9kHz – 1GHz)

Warranty:

All GO Pro Repeaters are covered by a full comprehensive warranty and are warranted to be free from defects in material or workmanship including any associated accessories for 12 months from the date of purchase. Wireless Corporation will, at its option, replace or repair parts found defective and pay return shipping to the registered owner.

Typical specifications subject to change and continuous improvement



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