

NELSPECS Ltd

5/5 REPEATER (five over five)

Economical two-way radio repeater
PRS, VHF or UHF
Fully assembled, except for installation
15 Minute Installation
IP66 Cabinet
Suit Fence Post Mounting
Solar Powered
Battery Backed



Two-way Radio Repeater for:

- FARMERS
- CONSERVATION GROUPS
- HUNTING CLUBS
- BACK COUNTRY BLOCKS
- WEEKEND BASED SPORTS CLUBS

Improve your radio coverage to

- Save money
- Meet your OSH requirements
- Improve safety
- Get piece of mind
- Lift efficiency and productivity
- Reduce lost time

Designed based on 5-hours radio use
(actual talk time) over a 5-day period
(five over five).

- Average of an hour/day; OR
- Use for 2 ½ hours Sat & Sun
(actual talk time) and nothing for the
rest of the week; OR
- 2 x half hour/day use (actual talk time)
and plenty of spare battery for
an emergency.
- With normal use there is still approx
another 5 to 15 hours talk time in the
battery for use in a real disaster.

(Deep cycle batteries suffer reduced life
if left discharged below 50%. Because of this
the 5/5 REPEATER is designed to not
use the bottom 50% in normal rated use.
In total the unit has approx 20 hours talk time
starting from Fully charged battery before the
battery is Fully discharged.)



Two radios can talk "Line of Sight"
on "Simplex"
Cannot communicate with 3rd radio on right because of the ridge.
With a 5/5 REPEATER on the ridge, all radios can talk with each other on
"DUPLEX" or two-frequency repeater channel

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CUSTOMER DETAILS for NELSPECS 5/5 REPEATER

Name: _____ Ph: _____

Email: _____

Postal Address: _____

Physical Address: _____

REPEATER GPS LOCATION: _____

Quantity of existing radios: _____ Band (VHF, UHF or PRS): _____

Send to:
Jack Frost
Nelspecs
PO Box 414
NELSON 7040

DEALER STAMP

Specifications

- IP66 Cabinet [No ingress of dust; Water projected in powerful jets (12.5mm nozzle) against the enclosure from any direction shall have no harmful effects.]
- 30 watt Solar Panel
- 40Ahr VRLA Battery
- 5 hours use over 5 days, with 2 days of clear sky to recharge battery (otherwise typically limit average use to 2 1/2 Hours over 5 days)
- GME TX3820 Radio (UHF & VHF)
- GME TX3600TN Radio with no microphone (PRS)
- Antenna:
 - o Hi-Tec M1/2E (VHF) 0dBd,
 - o Hi-Tec M1/2UC (UHF) 3dBd,
 - o GME AE4012K1 (PRS) 4.5dBd
- Can be mounted on post (fence post) with maximum dimensions of 400 x 400mm. Vertical spacing between mounting bracket centres is 450mm. Solar panel requires clear view of sky and to be facing true north. Ideally mount on high point that has good view over area requiring radio coverage.
- License: An appropriate license is needed for repeater operation. Your radio dealer will organise this for you at time of purchase.
- PRICE:
 - PRS version \$ 4,995-00 +GST
 - Commercial VHF & UHF versions \$ 5,295-00 +GST

All enquiries to your two way radio dealer or:
Jack Frost
Nelspecs
PO Box 414
NELSON 7040

Email: jackf@nelspecs.co.nz
Ph: 03 545-6447
Fax: 03 545-6448

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