

# SMALLEST PORTABLE TWO-WAY RADIO REPEATER\*

EMERGENCY RESPONSE  
SPORTS CLUBS  
CONSERVATION TEAMS  
SHEEP STATION MUSTERS  
FILM LOCATIONS

**LIGHTWEIGHT**  
Less than 400-grams

**PORTABLE & SMALL**

Can be carried with one hand.

\* This is the smallest portable two-way radio repeater that Nelspecs produce.

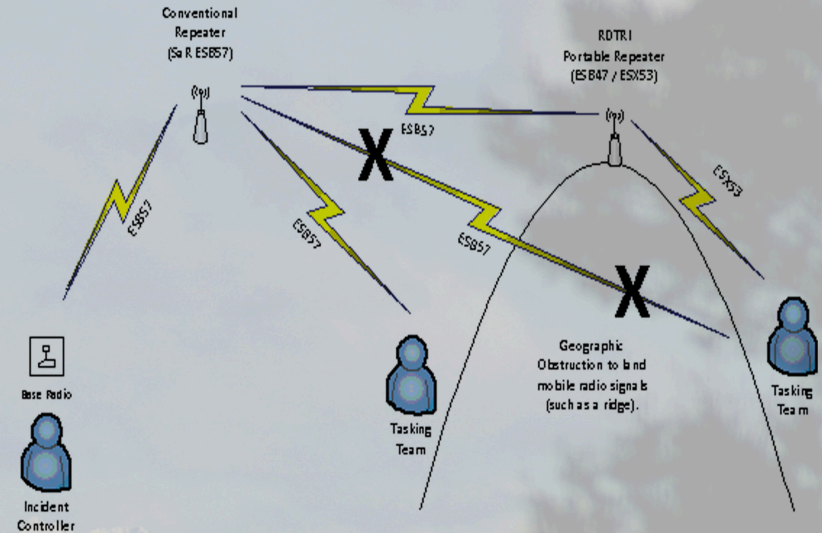
**WATERPROOF and RUGGEDISED**

The main hardware platform is the Tait TP8100 radio, which has an IP67 rating and has a 2-shot moulded housing for superb rugged construction.

The add-on dogle on the accessory connector is waterproof but not as rugged as the radio itself.



SEARCH and RESCUE  
SKI CLUBS  
PROJECT TEAMS  
SPECIAL EVENTS  
RADIO TRAINING



**RAPID DEPLOYMENT**

For use on a single channel as a repeater;

1. Place in licensed location.
2. Switch on.

For emergency services use;

1. Switch on.
2. Select primary channel with rotary selector, default use for each primary channel is repeater mode.
3. For linking, use left and right arrow keys to select secondary channel.
4. Place on flat area with good visibility or strap to a non-conductive support such as a tree branch.

**EFFICIENT**

- 8 hours use on one 140-gram Li-ion battery.
- Uses standard TAIT TP8100 batteries.

**VERSATILE**

- Use as a repeater.
- Use to link repeaters
- Use to extend repeater coverage via a simplex channel into otherwise dead areas.

**FREQUENCY AGILE**

Single antenna but no duplexer enables mixed band operation eg ESB, EN, EE and MS.  
Range of frequencies only limited to switching bandwidth of the TP8000 radio.

- 136 – 174 MHz for VHF
- 400 – 470 MHz for low UHF
- 450 – 520 MHz for high UHF

**ECONOMIC PRICING**

These units less than \$2000-00 each, Conventional Repeater with Duplexer normally around \$7000-00 each.

Typical LAND SaR Use and Channelling

CHANNEL		ZONE			
		ESB57 RPTR	ESB58 RPTR	MS08 RPTR	MS17 RPTR
	DISPLAY	ESB57	ESB58	MS08	MS17
	DESC	REPEATER	REPEATER	REPEATER	REPEATER
	DISPLAY	ESB57/X07	ESB58/X07	MS08/X07	MS17/X07
		ESB57 - ESX07	ESB58 - ESX07	MS08 - ESX07	MS17 - ESX07
		CROSS CHANNEL LINK	CROSS CHANNEL LINK	CROSS CHANNEL LINK	CROSS CHANNEL LINK
	DESC				
	DISPLAY	ESB57/X53	ESB58/X53	MS08/X53	MS17/X53
		ESB57 - ESX53	ESB58 - ESX53	MS08 - ESX53	MS17 - ESX53
		CROSS CHANNEL LINK	CROSS CHANNEL LINK	CROSS CHANNEL LINK	CROSS CHANNEL LINK
	DESC				
	DISPLAY	ESB57/58	ESB58/59	MS08/MS17	
		ESB57 - ESB58	ESB58 - ESB59	MS08 - MS17	
		LINKING REPEATER	LINKING REPEATER	LINKING REPEATER	
	DESC				
	DISPLAY	ESB57/59	ESB58/60		
		ESB57 - ESB59	ESB58 - ESB60		
		LINKING REPEATER	LINKING REPEATER		
	DESC				
	DISPLAY	ESB57/60	ESB58/MS08		
		ESB57 - ESB60	ESB58 - MS08		
		LINKING REPEATER	LINKING REPEATER		
	DESC				
	DISPLAY	ESB57/MS08	ESB58/MS17		
		ESB57 - MS08	ESB58 - MS17		
		LINKING REPEATER	LINKING REPEATER		
	DESC				
	DISPLAY	ESB57/MS17			
		ESB57 - MS17			
		LINKING REPEATER			
	DESC				