TB8100 Transportable Repeater

Whether you are extending your regular network, dealing with unexpected outages, accidents or rescues, reliable communications is a must have for remote deployment.

You can extend your current analog wide area coverage, or set up a dedicated communications network on site in minutes with the Tait Transportable Base Station/Repeater. Robust and reliable, the Tait Transportable delivers all the trusted features of the TB8100 base station, in a rugged, waterproof Pelican briefcase.

KEY FEATURES

- Intelligent, in-built Task Manager
- Tough, high spec briefcase
- Proven Platform
- Flexible power options

GENERAL

	VHF	UHF
Operational frequency+	136-156MHz, 148-174MHz	440-480MHz, 480-520MHz, 762-870MHz
Channel/Network Capacity	100	
Channel Spacing	12.5kHz, 20kHz, 25kHz	
Channel Increment	0.125kHz	
Dimensions (HxWxD)	7.6in x 15.4in x 20.3in (192mm x 392mm x 515mm)	
Weight	<44lbs (<20kg)	
Operational temperature	-22°F to 140°F (-30°C to 60°C)	
Description	Modular repeater	
Power Consumption	**12V PA**	
Standby	0.67A	
Tx @ 50W factory preset 15W	5A	
Supply Requirements		
Mains	88 to 264V	
DC	12V, external supply negative earth	
Alarms	Low Battery (11.7V), other alarms available with the help of the Task Manager	

RECEIVER*

Analog Sensitivity (12dB SINAD)	<0.25μV (-119dBm)
Spurious Response	≥100dB
Intermodulation	80dB (NB), 85dB (WB)
Selectivity	85dB (NB), 90dB (WB)

TRANSMITTER

Modulation Limiting	±2.5KHz (NB), ±5KHz (WB)
Transmit Power Rating	Single 50W Repeater - factory set to 15W
FM Hum and Noise	-50dB (NB), 55dB (WB)

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Tait International Limited facilities are certified for ISO 9001:2015 (Quality Management System), ISO 14001:2015 (Environmental Management System) and BS OHSAS 18001:2007 (Occupational Health and Safety Management System) for aspects associated with the design, manufacture and distribution of radio communications and control equipment, systems and services. In addition, all our Regional Head Offices are certified to ISO 9001.

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