

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.

Intelligent, in-built Task Manager

The built-in Task Manager allows you to administer the unit remotely, including configuring alerts and monitoring RF performance.

Tough, high spec briefcase

Protected by a robust, waterproof Pelican briefcase and a reinforced aluminium chassis, these units can withstand the physical demands of the harshest environments.

Proven Platform

The Tait TB8100 Transportable Base Station/Repeater delivers the same RF performance and functionality as the standard, site-based product.

Flexible power options

Powered by external battery or mains (18-30v), smart AC/DC switching ensures continuity of service.

The Tait Transportable Base Station/Repeater is also available as P25 TB9100.



GENERAL

	VHF	UHF
Operational frequency+	136–174MHz	380–520MHz
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)	<0.25 μ V (-119.0dBm)
Spurious Response	\geq 100dB
Intermodulation	80dB (NB), 85dB (WB)
Selectivity	85dB (NB), 90dB (WB)

TRANSMITTER

Modulation limiting	\pm 2.5kHz (NB), \pm 5KHz (WB)
Transmitter Power Rating	Single 50W Repeater - factory set to 15W
FM hum and noise	-50dB (NB), 55dB (WB)

Specifications are subject to change without notice and shall not form part of any contract. They are issued for guidance purposes only. All specifications shown are typical.

*Contact your local Tait representative for more information.

For further information please check with your nearest Tait office or authorized dealer.

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Tait Limited facilities are certified for ISO9001:2008 (Quality Management System), ISO14001:2004 (Environmental Management System) and ISO18001:200 (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 ISO9001:2008.

