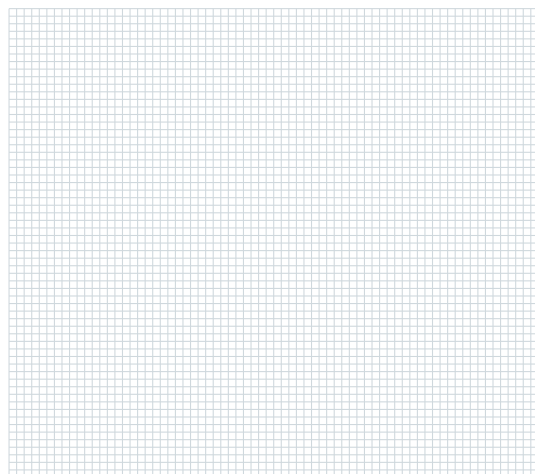


TAIT RADIO COMMUNICATIONS PORTABLE RADIO SOLUTIONS

# TP8100



TAIT RADIO COMMUNICATIONS PORTABLE RADIO SOLUTIONS: TP8100

TAIT RADIO COMMUNICATIONS **PORTABLE RADIO SOLUTIONS**

## TP8100: COMMUNICATIONS YOU CAN COUNT ON

When you need reliable, fast communication. When your teams are working in challenging environments, in adverse weather and in possibly hazardous situations. When only the toughest radio will do. Choose the TP8100 series portable radio from Tait.

The TP8100 series of conventional and trunked portables sets new standards for build quality and industrial design. Dustproof, waterproof, and shockproof beyond IP67 and military standards (MIL-STD 810 F), all models in the TP8100 series deliver outstanding reliability and durability.

### **Tough, reliable and waterproof**

Durability is assured through Tait's approach to design, testing and manufacture. While the MIL-STD 810 F drop test is 26 drops from 1.2m, Tait drops 26 times from 1.8m on to concrete: then uses the SAME radio for the water immersion tests. Such reliability ensures lower cost of ownership and hassle-free management of all radio assets.

### **Safer and more effective teams**

Advanced power management, audible low battery indicator and high-performance Lithium-Ion (Li-Ion) battery enable workers to continue their tasks with confidence. The top-mounted, recessed, programmable emergency key can send alerts quickly when needed. Lone Worker capability, which senses user inactivity, is available on all TP8100 models, as is voice inversion scrambling for added security.

### **Flexible communications**

The 16 channel no keypad, no display TP8110, along with the 128 channel TP8115 and 350 channel TP8120 (limited keypad and full keypad respectively) deliver full conventional feature sets including CTCSS/DCS, Selcall, MDC1200, G-STAR and voting/scanning.

Two trunked options TP8135 (4 key keypad) and TP8140 (full 16 key keypad) provide MPT 1327 features including multiple call types: individual, group, PABX, interfleet and short data messages.

### **Light, strong and powerful**

Two-shot moulded construction delivers added durability and better grip. The standard 2,000 mAh Lithium-Ion battery delivers outstanding shift life and eliminates memory effect. The single-slot fast charger, self-cleaning 'swipe' style battery contacts and optional multicharger provide a charging solution for small groups of users or larger fleets working rolling shifts.

### **Ideal for system solutions**

Backed up by Tait's proven customisation capability and radio network expertise, this reliable portable radio is ideal as part of a large trunked or conventional system.



Now in its fifth decade working with utility companies, transport providers and public safety organisations, Tait is proud of its proven track record of satisfying customers across the world.



"The TP8100 is an excellent package – robust, reliable yet offering excellent functionality – and we are pleased to be able to achieve this important contract."

**PIERRE DE QUILLACQ**

MANAGING DIRECTOR, SYSOCO WIRELESS TECHNOLOGY, REGARDING AIR FRANCE CONTRACT



"Through our field operations it has been proven that Tait products are rugged and reliable ... we have decided to purchase more TP8140 radios this year."

**XIANG-LIN SUO**

DEPUTY DIRECTOR, CHINA EARTHQUAKE EMERGENCY RESCUE CENTER



"The consequences for a break in communications or radios failing are huge for us as a team. Our whole operation on the water is based around good communications ... The reliability of the Tait radios ... far exceeds what we would ever hope to do on a cellular network."

**KEVIN SHOEBRIDGE**

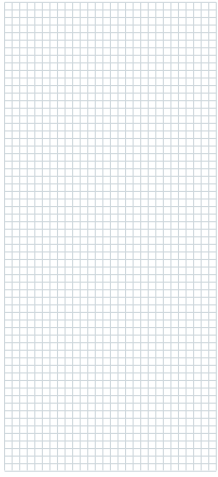
OPERATIONS DIRECTOR, EMIRATES TEAM NEW ZEALAND



"Tait TP8100 radios deliver the health and safety features we need to give our housing officers, wardens and other front-line staff the best possible protection with the option to add new security-enhancing capabilities as they become available."

**PAUL HAYWARD**

NEIGHBOURHOOD SERVICES MANAGER, LONDON BOROUGH OF CROYDON COUNCIL



Because Tait makes it easier to programme radios, manage call groups and reconfigure networks, companies can focus on getting the job done.

The TP8100 works seamlessly with Tait 8000 series mobiles and base stations.

All models of the TP8100 are available in a selection of front panel colour options, in addition to the standard black.

When used with the Tait GPS speaker microphone, the TP8100 can be configured to display latitude and longitude and to transmit location co-ordinates back to dispatch.

Optional multichargers provide a charging solution for small groups of users or larger fleets working rolling shifts.

A uniquely-angled volume control allows users to distinguish controls when wearing gloves or working in dark conditions.

TP8100 dual-shot moulding provides built-in shock absorption.



#### Intelligent scanning and Talkgroups

For conventional users, the number of scanned channels can be reduced in order to optimise scanning time. For trunked users, talkgroup monitoring ensures radio users can listen to preferred talkgroups.

#### Tailored to the user

Tait's first customer in 1969 was a utility organisation that went on to use the specifically-built equipment for twenty years. Over forty years on, Tait continues to work with public safety organisations, utilities and transport providers to ensure their radio communications are the right fit for their needs.

#### Investment in versatile network options

Maximise the potential of your investment in MPT 1327, QS<sup>2</sup> and conventional infrastructure with a portable radio that can give staff the confidence to communicate. By investing in the TP8100 you can make use of the full potential of your current investment in trunking, simulcast or conventional systems.

#### Investment with a technology leader

Futureproof your communications with an open-standard radio solution from Tait. From supplying the world's first fully compliant MPT 1327 trunked system in London to being a founding member of the Digital Mobile Radio (DMR) Association, Tait has always actively contributed to open standard technology to ensure Tait equipment works with other manufacturers' radios and networks.

#### Investment in experience

With more than 40 years experience, Tait staff have a history of commitment to radio communications. Decades of network and product design, installation, training and support expertise is available to ensure your best outcome. Professional services and industry-leading products mean Tait is your one point of contact for a total radio communications solution.

#### Investment for the future

The 8000 series of portable and mobile solutions will be supported well into the future thanks to the unique 'Trust' structure established by company founder Sir Angus Tait. His pledge to continuously invest in the company's research and development ensures Tait will be at the cutting edge of radio technology while offering long-term certainty for organisations partnering with Tait.



Employers can rest assured they are fulfilling their obligations to staff by providing the highest level of work site safety possible with complete solutions from Tait.

#### **Tough enough to survive a fall – smart enough to send for help**

When combined with flexible emergency features and a reliable Tait radio network, the inclusion of Man Down in Tait's tough TP8100 represents a total safety-enhancing system. Employers who have a duty of care for workers in isolated situations can be reassured that Tait radio solutions enhance their safety.

#### **Intrinsically Safe for hazardous environments**

When a user needs to communicate, they don't want to have to remember what equipment they can safely use and where it can be used. Intrinsically Safe Tait portables are independently approved to be suitable for use in hazardous environments.

#### **Secure encrypted communications**

Customers communicating sensitive information need to feel confident they are taking the most appropriate action to retain that sensitivity. Each encryption solution is delivered after consultation to determine individual customer requirements and customisation to implement it precisely.

#### **Resilient networks, safer workers**

Radios can indicate when they have a weak signal so workers can adjust their location to regain network connection, ensuring that calls will get through at all times. Tait base stations/repeaters can warn of any performance degradation or faults, so maintenance is carried out promptly. Failsafe modes allow networks to provide service even if performance is degraded.

#### **Flexible power management**

Programmable power settings result in radios which users can rely on throughout their shift. Lithium Ion battery technology means users never have to think before charging a battery – the appropriate charge is delivered automatically.

#### **Seamless use across the range**

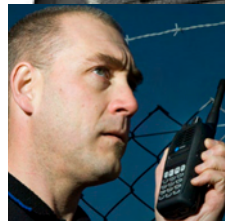
Radio users don't want to spend excessive time learning to use their radio – they want to get their job done. Easy-to-use interfaces across the Tait 8000 series of mobiles, portables and hand-held control heads (HHCH) means minimal training for staff, allowing them to focus on the task at hand.



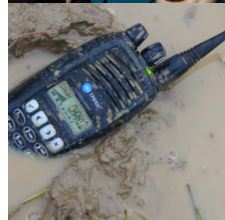
Lone Worker and Man Down capabilities provide users with flexible worker safety options.



The Tait TP8100 series of radios and batteries are available as Factory Mutual approved.



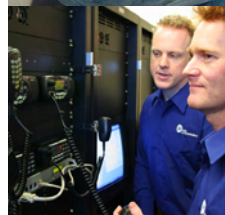
Secure your voice communications with software voice inversion as standard, or the high security encryption options board.



Tough, reliable and waterproof – the TP8100 series exceeds Military Standards and is IP67\* rated.

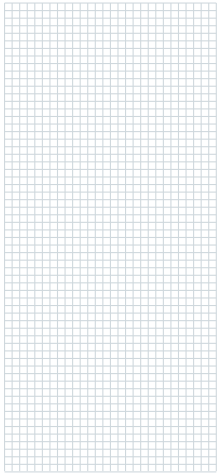


Standard 2000mAh and high performance 2500mAh Lithium Ion batteries deliver outstanding shift life and help reduce radio weight.



All Tait networks and equipment are backed up by a comprehensive suite of services.

\* IP67 equals zero dust ingress and immersible in one metre of water for 30 minutes.



## TAIT TP8100 FEATURES



PRODUCT	TP8110	TP8115	TP8120	TP8135	TP8140
Keypad	NO KEYPAD	4 KEY	16 KEY	4 KEY	16 KEY
Number of Conventional Channels	16	128	350	10	10
Number of Alphanumeric Presets	N/A	N/A	N/A	100	100
24 Character LCD Display		●	●	●	●
3 Programmable Function Keys*	●	●	●	●	●
CTCSS	●	●	●	●	●
Coloured Front Panel	○	○	○	○	○
DCS (Digitally Coded Squelch)	●	●	●	●	●
Economy Mode	●	●	●		
Emergency Call	●	●	●	●	●
Encryption Board	○	○	○	○	○
Fast Charger	●	●	●	●	●
GPS Capability (External Speaker Mic)	○	○	○	○	○
Intrinsically Safe	○	○	○	○	○
IP67 Certified	●	●	●	●	●
Key Lock	●	●	●	●	●
Li-Ion Battery (2000mAh)	●	●	●	●	●
Li-Ion Performance Battery (2500mAh)	○	○	○	○	○
Lone Worker	●	●	●	●	●
Man Down Board	○	○	○	○	○
MDC1200 (Encode and Decode)	●	●	●		
Meets MIL STD 810 C, D, E and F	●	●	●	●	●
Multi-view Indicator LED	●	●	●	●	●
Multi-way Charger	○	○	○	○	○
Programmable Channel Selector	●	●	●	●	●
Programmable Emergency Key	●	●	●	●	●
PSTN Calls				●	●
Scanning	●	●	●		
SDM (Short Data Message) Transmit			●		●
SDM (Short Data Message) Receive		●	●	●	●
SELCALL (5-Tone)	●	●	●		
Shared Accessories with TP7100	●	●	●	●	●
Side Mounted Accessories Connector	●	●	●	●	●
Stainless Steel Antenna Connector	●	●	●	●	●
Swipe Battery Contacts	●	●	●	●	●
Talkgroups				●	●
Trunked Operation - MPT 1327				●	●
Two-shot Moulded Construction	●	●	●	●	●
Type 99 Decode	●	●	●		
Voice Inversion Scrambler	●	●	●	●	●
Voting	●	●	●		

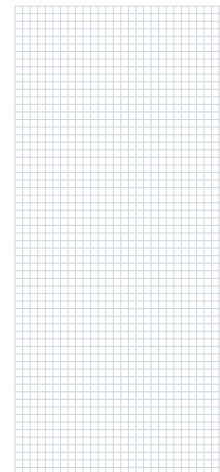
### KEY

Conventional

Trunked + Conventional

● Standard ○ Option

\* Including emergency key



**MORE INFORMATION** For news, product specifications on this and other Tait radio solutions, comprehensive product information, case studies and contact details of your nearest Tait service facility, please visit [www.taitradio.com](http://www.taitradio.com)

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## TAIT: THE RIGHT FIT

