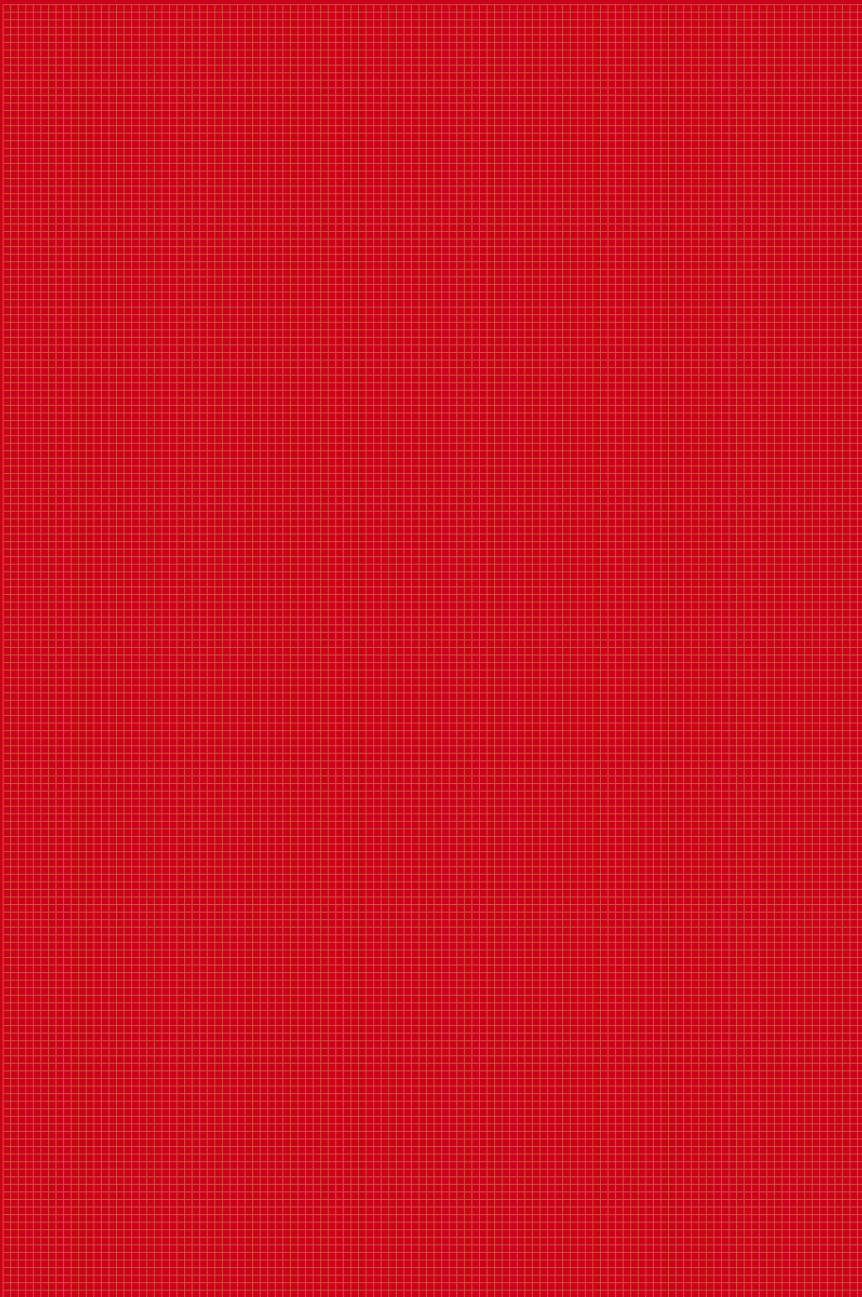
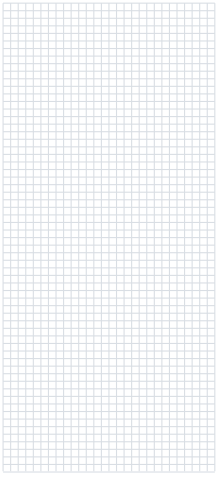


TAIT RADIO COMMUNICATIONS MOBILE RADIO SOLUTIONS

# TM8000 SERIES



TAIT RADIO COMMUNICATIONS MOBILE RADIO SOLUTIONS: TM8000 SERIES



TAIT RADIO COMMUNICATIONS **MOBILE RADIO SOLUTIONS**

## **MAXIMUM CONTROL ON THE MOVE**

Tait offers an extensive range of mobiles, portables and base stations as well as network design, installation and support. For four decades, Tait has produced reliable and affordable mobile radio solutions in response to specific communication needs.

From 10-channel conventional mobile radios to comprehensive public safety systems, the Tait Mobile 8000 (TM8000) series offers an ideal solution for those seeking versatile and feature-rich, voice and data applications.

### **Safer mobile teams**

In a critical situation, reliable radios and superior coverage mean improved safety. A TM8000 series radio delivers maximum dependability for enhanced team safety.

### **More effective mobile teams**

A TM8000 provides superior team communication and co-ordination. In incident situations where public safety personnel and government agencies must work together, effective collaboration can save lives.

A TM8260 dual band radio can monitor two separate frequency bands simultaneously. For example, a police officer can monitor police channels while scanning the local maritime channels. Alternatively, this radio can transmit information to two distinct teams at the same time.

### **More secure mobile teams**

The built-in scrambler makes it difficult for unauthorised ears to listen in on voice traffic.

When a TM8000 series radio is switched to emergency mode, send/receive cycling and a built-in covert microphone enable the responder to listen to what is taking place. For added operator safety, the radio will appear to be switched off at such times.

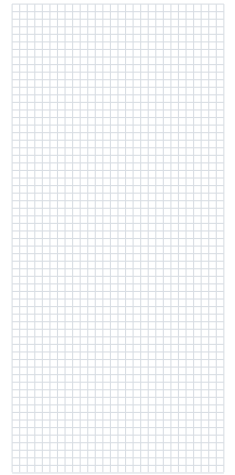
If a vehicle containing a mobile radio is stolen it can be stunned and the radio revived remotely when needed.

### **More productive mobile teams**

TM8000 series radios are installed in valuable vehicles using valuable equipment. Through GPS location and other data capabilities these precious assets can be protected, maintenance costs reduced and productive life extended. Vehicles in a TM8000-equipped fleet are co-ordinated more effectively and efficiently.



**TM8000:** Reliable, cost-effective and easy to use



**Tait mobile radios are ideal for:** Transport providers, utilities, airports, mines, construction sites, and any organisation with a large fleet and/or mobile team that needs to capture and relay information.



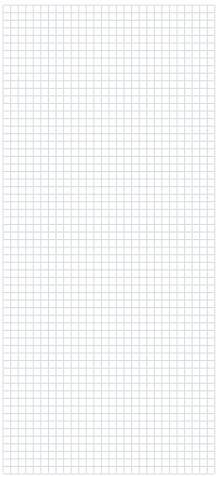
Government agencies that collaborate with other public services and need to do so in a cost-effective way.



Emergency services that demand reliable and robust communication, and need to co-ordinate incident response.



System integrators who need a readily customised suite of radios in order to deliver a specific application.



Information at a glance: a 4-line 14-character LCD screen shows channels, callers, data messages, signal strength, power, location, and speed, letting you see your status quickly and clearly



A TM8000 series radio is performance on the move - even when facing driving rain, high humidity and dust storms.



Dialling is fast and simple with the keypad microphone.



Easily programmed keys give one-touch control.



Safety features include emergency settings for Lone Worker situations.



With cross band linking, the TM8260 extends coverage beyond the vehicle.



Features can be easily enabled by purchasing relevant software. Hardware options such as dual head/single body or single head/dual body bring installation flexibility.



**TAIT MOBILES: tough and reliable**

Engineered to exceed military standards C, D, E and F, Tait mobile radios take shock, vibration, dust and a host of other independently-tested challenges in their stride. The ingenious engineering of a TM8000 series mobile goes beyond the tough die-cast metal chassis and the IP54 rated casing: this radio even monitors its own temperature, ensuring performance and preventing damage from possible overheating.

**TAIT MOBILES: superb performance**

Even under extreme conditions, such as high temperatures, the superb RF performance of Tait mobiles reduces distortion. Voice communication remains clear and data traffic stays stable. This excellent transmit and receive capability is made possible because over 40 years of dedicated radio engineering expertise is invested in every Tait radio.

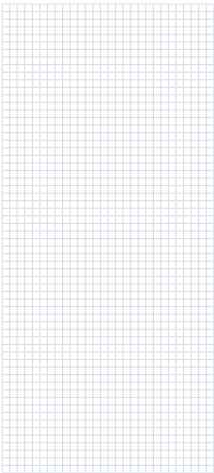
**TAIT MOBILES: data-ready**

A TM8000 series radio can be used with a wide range of third party equipment and is easily integrated into larger systems. The built-in FFSK modem and GPS Direct Connect feature enable a GPS receiver to be plugged straight in, reducing the need for expensive additional equipment.

The combination of transmitter performance and frequency accuracy in a Tait mobile ensures superior data transfer. When greater speed is needed, the optional software upgrade to Tait High Speed Data (up to 19,200 bps) could not be easier.

**TAIT MOBILES: integrator-friendly**

Tait mobile radios can be set up to connect the way customers need. With its wealth of configurable ports and options boards, fast transmit rise times and other performance features, a TM8000 series radio is easily integrated into other systems. Integrators can set priorities, configure inputs and outputs, install a custom-built options board or create a new application using the optional third party developer's kit.



# TAIT: YOUR COMPLETE RADIO COMMUNICATIONS PROVIDER

Tait draws on its extensive range of analogue and digital mobiles, portables, and base stations/repeaters to offer turnkey radio communications solutions.

### A choice of conventional or trunked

For fleets moving across a large area, good coverage is essential. A Tait mobile radio will automatically scan for the strongest channel, leaving the user free to focus on the job at hand.

With a trunked radio from the TM8000 series, users can send and receive text messages, make calls to and receive calls from a telephone network and set up the mobile radio to divert calls or queue calls (these capabilities are standard on the radio, but their availability may depend on the network).

A dual mode Tait mobile is both a conventional radio and a trunked radio. Tait dual modes provide a quick and seamless transition between signals as the vehicle travels between transmitters, goes underground or becomes out of range of a trunked radio network.

### TaitNet radio networks

Through its TaitNet family of radio network solutions, Tait can customise a solution that brings the best out of your mobiles and provides a single point of contact for radio issues. Decades of network design, installation and support expertise at your command.

### Dedicated support is at hand

With solutions and business partners in 150 countries and Tait wholly-owned customer service facilities in Australia, Canada, China, France, Germany, New Zealand, Singapore, Thailand, the UK and the USA, support is always at hand.

### Tait 9000 digital range

The Tait 9000 series of digital portable, mobile radios and base stations/repeaters includes features such as interoperability, enhanced encryption, trunking and over-the-air rekeying.



View on-screen GPS location information when you enable the software feature and connect the radio to a GPS receiver.



Make calls to specific groups or to the whole team.



Choose from a range of remote speakers, remote control heads and radio bodies.



Assign unique ringtones to priority messages.



Enjoy the benefits of the built-in modem or add an external modem to the radio. In the TM8000 series, digital processing optimises the RF signal, resulting in superior data integrity.



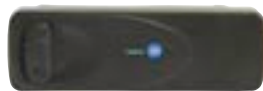
Add hands-free Push To Talk capability: just one of the many high performance accessories available.

## TM8000 MOBILES: AN OVERVIEW

Welcome to the TM8000 series of reliable, high performance mobile radios. Easy to integrate and to customise, each is ideal for voice and data communications. Even a simple system represents a long-term investment that can be adapted as your business needs evolve.

### CONVENTIONAL

TM8105



- Conventional data radio with 100 channels

TM8110



- Conventional radio with 1-digit display and 10 channels

TM8115



- Conventional radio with 2-digit display and 100 channels

TM8250



- Conventional radio with 4-line display and 1,500 channels

TM8260



- Conventional radio with 1,500 channels
- Dual band radio system

### DUAL MODE: TRUNKED/CONVENTIONAL

TM8252



- Trunked MPT 1327 data radio with up to 1,500 conventional channels

TM8235



- Trunked MPT 1327 radio with 3-digit display and up to 100 conventional channels

TM8255

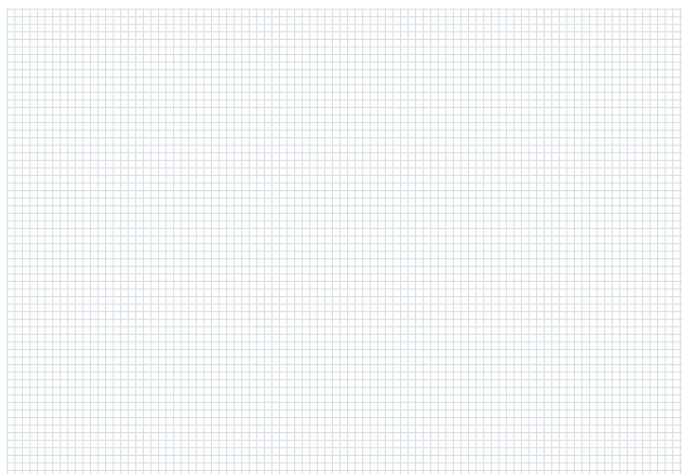


- Trunked MPT 1327 radio with 4-line display and up to 1,500 conventional channels

**MORE INFORMATION** For news, product specifications, comprehensive product information, frequency bands, case studies, and contact details of your nearest Tait customer service facility, please visit [www.taitworld.com](http://www.taitworld.com)

Specifications are subject to change without notice and shall not form part of any contract. They are issued for guidance purposes only. Radios are available in a range of frequency bands including, for example VHF, UHF and 800MHz. For further information, please check with your nearest Tait office or authorised dealer on available bands and power outputs or visit [www.taitworld.com](http://www.taitworld.com). The word Tait and the Tait logo are trademarks of Tait Electronics Ltd. Tait is an ISO 9001: 2000 and ISO 14001: 2004 certified supplier.

# TM8000 SERIES FEATURES



PRODUCT	TM8260	TM8255	TM8250	TM8235	TM8115	TM8110	TM8252	TM8105
<b>FEATURES</b>								
<b>SELECTIVE CALLING*</b>								
Number of conventional channels	1500	1500	1500	100	100	10	1500	100
Priority calls	●	●	●	●	●	●		
Emergency mode	●	●	●	●	●	●		
Power save	●	●	●	●	●	●		
Remote test	●	●	●	●	●	●		
Partial / total remote stun & revive	●	●	●	●	●	●		
Autoacknowledge	●	●	●	●	●	●		
External alert	●	●	●	●	●	●		
Automatic Number Identification	●	●	●	●	●	●		
Dialling Capability	●	●	●	●				
Alphanumeric labels	●	●	●	●				
Power & Signal strength indicator	●	●	●	●				
Caller ID	●	●	●	●				
Call queuing		●		●				
Call in absence indicator		●		●				
Call to / from telephone		●		●				
Auto call back		●		●				
Call diversion		●		●				
Dynamic regrouping		●		●				
Do not disturb		●		●				
Text messages	●**	●	●**	●				
<b>INTERFACE</b>								
Display	large 4 line	large 4 line	large 4 line	3 digit	2 digit	1 digit		
Remote control head	●	○	○					
Heavy-duty keypad microphone	●	○	○	○	○	○		
Heavy-duty microphone	○	●	●	●	●	●		
Internal speaker	●	●	●	●	●	●		
Remote 10W speaker	○	○	○	○	○	○		
Remote Push To Talk kit	○	○	○	○	○	○		
Concealed microphone kit	○	○	○	○	○	○		
<b>DATA</b>								
Software configurable	●	●	●	●	●	●	●	●
Internal FFSK modem	●	●	●	●	●	●	●	●
High speed serial ports	●	●	●	●	●	●	●	●
GPS Direct Connect (for receiver/antenna)	●	●	●	●	●	●	●	●
High-speed data (19,200 b/s for wideband channels)	○	○	○	○	○	○	○	○
<b>OTHER</b>								
Installation kit	○	○	○	○	○	○	○	○
Cabling kit	○	○	○	○	○	○	○	○
Desktop power supply	○	○	○	○	○	○	○	○
Developer kit	○	○	○	○	○	○	●	●
Dual heads	●	○	○					
Dual body	●							
Cross-band linking	○							
<b>KEY</b>								
● Standard ○ Option								
* Across MPT 1327, MPT 1343 and MPT 1352 features enabled but depend on network capability.								
** Available via CCDI only.								
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>Conventional</p> <p>Trunked + Conventional</p> </div> </div>								

TAIT: THE RIGHT FIT



■ COUNTRIES ▼ OFFICES