

# TOGETHER FOR A SAFER WORLD

TA3633 TAIT  
TRANSPORTABLE REPEATER



DMR

TAIT  
TOUGH



**TAIT TOUGH.  
COMPACT.  
EASY TO DEPLOY.**

**ta**it  
communications






# KEEPING YOU SAFE AND ON-MISSION

Unleash your team's potential with fit-for-purpose,  
critical communications solutions from Tait Communications.





For more than 50 years, Tait Communications has been designing, delivering and supporting critical communications networks for public safety, transportation and utility customers around the world.

Tait Communications helps you stay safe and on mission when the heat is on. From comprehensive radio networks with advanced data capabilities to support and managed services, you can trust Tait. Built with Kiwi ingenuity in Christchurch, New Zealand, we put your safety at the top of our agenda day in, day out.

We believe we can make the world a safer, better and more efficient place through our commitment to open standards, interoperability and better safety outcomes.

Tait solutions are customizable, versatile, flexible and built for every challenge. We uphold the principles of our founder, Sir Angus Tait:

**“ IF IT CAN SAVE  
A LIFE, MAKE IT  
TOUGH ENOUGH  
TO SURVIVE  
ANYTHING.”**



TA3633 TRANSPORTABLE REPEATER

## STAY CONNECTED WHEREVER YOU ARE. EVERY TIME.

From natural disasters to crime scenes, firegrounds, and tactical operations, the Tait TA3633 portable repeater gives you rapid, reliable communications wherever safety and security are on the line. Deploy it in minutes to extend your coverage or create a dedicated on-scene network.

The TA3633 operates as a powerful Analog conventional repeater and offers digital flexibility with DMR Tier 2 and P25 capabilities.





## TA3633 TRANSPORTABLE REPEATER

# PORTABLE POWER FOR CRITICAL COMMUNICATIONS



A range of portable antenna mast kits available in Soft PVC Carry Case (1.) or Hard PVC Tube kits (2.)



For extended operation, a dual battery case can be connected to a solar panel

### DELIVERING ON OPERATIONAL NEEDS

The TA3633 Transportable Repeater enables rapid field deployment as a single conventional RF channel, delivering dependable coverage and network extension in challenging environments. Its streamlined operator interface allows channel selection and management through a single control point, simplifying setup and operation.

### DMR AND P25 CONVENTIONAL

In addition to analog conventional mode, the TA3633 also supports DMR Tier 2 and P25 repeater functionality in digital mode, providing flexible interoperability across communication standards.

The TA3633 delivers ultra-narrowband 6.25 kHz equivalent channel efficiency in DMR Tier 2 mode, utilizing 1-slot TDMA to support both voice and data services.

### OPTIONS AND ACCESSORIES

The portable antenna mast kits come in a convenient soft carry case with rugged PVC protection, making transport and setup simple in any environment. For extended missions, the dual battery case can be paired with a solar panel, ensuring continuous, reliable power for longer deployments without interruption.

### TRANSPORTABLE

Designed in a rugged, waterproof Pelican case, the TA3633 is a compact base station that is easy to transport and deploy. It offers selectable output power from 1W up to 4W or 5W, depending on the frequency band.

### EXTENDED LIFE

The default power configuration supports 10–30V DC and includes an internal battery with built-in charging capability, while an optional external battery pack can be added for extended operation. For greater convenience, a duplexer is fully integrated into the Pelican case, minimizing setup time and equipment needs.





## TA3633 TRANSPORTABLE REPEATER

# KEY FEATURES

- › Supports Analog repeat
- › DMR Tier 2 single slot or P25 Conventional operations
- › Simple change of channel through the radio interface
- › Ultra-narrowband 6.25kHz equivalent technology for DMR
- › Tier 2 mode (1 x TOMA channel slot in one 12.5kHz channel)
- › Easy and rapid deployment of single repeater operation
- › 12.5kHz analog repeater operation
- › Design inside a rugged waterproof Pelican case
- › 10-30V DC power supply input, supplied with AC/DC power supply
- › Internal SLA battery for rapid field deployment
- › Options and accessories for better operational efficiency
- › Range of portable antenna mast kits (Soft PVC carry case or Hard PVC Tube kits) Extended life battery case (Dual Batteries)





# TA3633 TRANSPORTABLE REPEATER

## TECHNICAL SPECIFICATIONS

### FREQUENCY BANDS

| Frequency | Range      | Tait Band | Configuration      |
|-----------|------------|-----------|--------------------|
| VHF       | 136–174MHz | B1        | Factory set to 5W* |
| UHF       | 380–470MHz | HK        | Factory set to 4W* |
| UHF       | 450–520MHz | H7        | Factory set to 4W* |

\*The output power of the transportable unit is reduced due to the duplexer loss

### GENERAL

#### Physical specifications - Pelican case 1450 (available in Black, Orange, OD Green, Silver or Yellow)

|                              |   |
|------------------------------|---|
| Dimensions (HxWxD)           | 420 x 331 x 174 mm  |
| Weight                       | Less than 10kg (50.7lb), depending on the type of battery used  |
| Operating temperature        | –22°F to +140°F (–30°C to +50°C)  |
| <b>Power specifications</b>  |   |
| Power supply                 | DC 10–30V (Supplied with AC/DC Mains supply charger (100–240V AC))  |
| <b>Battery specification</b> |   |
| Internal battery             | 12V Panasonic 15Ah/12Ah SLA battery with built in charging capability (the charging works when external DC supply is connected)<br><br>Recommend maximum temperature is 50°C.<br><br>12V Lithium LiFePO4 batteries can also be used in the case reducing the weight |
| Standalone battery life      | When the power is set to max (5W VHF/ 4W UHF) and the duty cycle is 5/5/90, then the shift life may reach 60 hours  |
| Battery assembly weight      | 4.3 Kg (9.5lb)  |

### Connectors

Antenna N type female (both Rx and Tx connected to duplexer)

External DC input

### Accessories

|                        |  |
|------------------------|--|
| Supplied with the unit | External AC/DC charger<br>External DC Input Cable with Red and Black clamps (clips)<br>Removable 12V SLA battery (fitted inside) |
|------------------------|--|

Note:

The TA3633 Transportable Receiver is an example of Tait customization capability and client specific development. Tait can build this solution for you, or can design customized deployable solutions to meet your needs.

Contact your Tait representative for information about compliance, pricing and availability for your country.



# WE GO BEYOND FOR A SAFER WORLD.

**CONTACT YOUR LOCAL DEALER  
FOR MORE INFORMATION  
[TAITCOMMUNICATIONS.COM/CONTACT](https://www.taitcommunications.com/contact)**

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Management  
ISO 9001



Environment  
Management  
ISO 14001:2015



Occupational  
Health & Safety  
Management  
ISO 45001:2018

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