Slimline Products: TA060, TA091

Slimline products include a range of standard Tait base station products which are supplied mounted behind a two-unit high, 19inch (483mm) rack panel giving a low profile for compact installations.

head mounts in front, giving full functionality.

With a wide range of option boards available for the T700 radio, it can be used in this configuration as a trigger base station, a line controlled base station (simplex or duplex) or a complete talk-through, two-frequency repeater (with continuous transmit rating to +40°). The mounting tray provides space for additional items such as a mains power supply or a duplex filter.



Features

- compact size
- available for T700, T800 products
- mains or DC operation
- variety of configurations possible
- front panel monitoring

T700 Base Station
Rack panel mounting provides an ideal format to use the T700 as a compact base station. The radio body mounts behind the panel and the control



T700 Dual Base Station
A refinement of this concept is to provide two T700's behind a two-unit high rack panel. This allows a range of options including linked repeaters, cross-band repeaters and interconnected, line-controlled repeaters.

For a remote, linked repeater, one T700 functions as the repeater whilst the other functions as the transmitter/receiver pair for a UHF inter-site link.

When used as a cross-band repeater, each T700 functions as a separate repeater but audio signals are interlinked so that both carry the same traffic.

Additionally, any repeater can be controlled by land-line and the line and repeater audio combined for linking on to other sites.

In these configurations, no control head is required, but local monitoring and voice audio can be accommodated and front panel switches give control of operation.

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T800 Base Station
All the advantages of the high specification T800 are available in a mounting format which is economical on rack space and simple to install.

A two unit high rack bin accommodates a single transmitter and receiver pair and provides for an optional mains power supply. In this configuration transmitter output powers of 2 to 25 Watts are possible. With an additional two-unit rack panel to mount a power amplifier and power supply, outputs up to 50 Watts are also possible.

All of the usual receiver and transmitter controls (line levels, gating sensitivity and so on) are available on the slimline unit's front panel as well as a local speaker and a microphone input.

The power supply designed specifically for use in this unit provides a float charge output for maintaining a standby battery and is available in 115 Volt and 240 Volt variants.

The basic kit contains the rack panel, power supply tray and wiring loom, whilst transmitter, receiver and power supply modules are available separately giving great flexibility. Any of the T800 radio modules may be used with this kit so a wide choice of operating bands and channel spacing is possible.

Technical Specifications

T700

• Frequency ranges:	66 to 88MHz (T720) 136 to 174MHz (T730) 400 to 520MHz (T750)
• Channel spacing:	12.5kHz, 25kHz or 30kHz
• Modulation system:	Direct FM
• Operating mode:	Conventional and Trunked
• Number of channels:	100
• Operating temperature:	-30° to +60° C
• Switching range:	22MHz (T720) 38MHz (T730) 70MHz (T750)
• Frequency increments:	5kHz or 6.25kHz (T720, T730) 10kHz or 12.5kHz (T750)
• Tx duty cycle:	100% to +40°C

T800

• Frequency ranges:	66 to 88MHz (T820) 136 to 174MHz (T830) 220 to 270 (T860) 330 to 380 (T870) 400 to 520MHz (T850) 800 to 960 (T880)
• Channel spacing:	12.5kHz, 25kHz or 30kHz (T820, T830) 12.5kHz or 25kHz (T860) 12.5kHz, 25kHz or 50kHz (T850, T880)
• Modulation system:	Direct FM
• Number of channels:	128
• Operating temperature:	-30° to +60° C
• Tx Switching range:	8MHz
• Rx Switching range:	2MHz (T825) 3MHz (T835) 4MHz (T865, T875, T855) 6MHz (T885)
• Frequency increments:	5kHz or 6.25kHz
• Tx duty cycle:	100% to +60°C

Disclaimer:

The information presented in this document was believed to be correct at the time of printing. It is issued for guidance purposes only. For further information please check with your nearest Tait office or authorised dealer.