

Part H T800 Ancillary Equipment

This Part of the manual features a brief description of the major ancillaries that may be used with T800 Series II equipment. For a comprehensive list of available ancillary equipment, please contact your nearest Tait Dealer or Customer Service Organisation.

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T800 Ancillary Equipment

Programming Kits

T800-01-0000

The T800-01-0000 kit is used for programming T800 Series II base station equipment using a standard IBM™ (or compatible) PC.

The kit comprises the following items:

- PGM800Win programming software user's manual
- PGM800Win Windows™ based programming software on 3½" floppy discs
- T800-01-0002 programming cable.

T800-01-0001

The T800-01-0001 kit is the same as the T800-01-0000 kit described above, but with the addition of the T800-01-0004 module programming interface.

T800-01-0002

The T800-01-0002 programming cable connects the PC directly to the programming socket on the T800 Series II rack frame speaker panel or backplane PCB, thus enabling T800 Series II modules to be read or programmed while in the rack frame. It can also connect to the programming socket on the T800-01-0004 programming module interface if the module is to be read or programmed while out of the rack frame.

T800-01-0003

The T800-01-0003 programming kit contains a T800-01-0002 programming cable and a T800-01-0004 programming module interface.

T800-01-0004

The T800-01-0004 programming module interface is designed to allow a PC to connect directly to a T800 Series II module. It comprises a small PCB on which is mounted a D-range socket, a programming socket, a Micromatch socket and a DC input connector.

The T800-01-0004 plugs directly into D-range 1 or D-range 2 (selected by a switch on the PCB), or into SK805 in the microcontroller compartment via the supplied ribbon cable loom, and is then connected to the PC with a T800-01-0002 programming cable.

Refer to the T800 Ancillary Equipment Service Manual for more information.

General Ancillaries

T004-72 RF Coaxial Relay

The T004-72 is an RF coaxial relay assembly fitted with three female N-type connectors, and comes complete with a mounting bracket and two coaxial cables terminated in male N-type connectors. It can be used, for example, in base station applications where the receiver and transmitter share the same antenna, in which case it can be driven by the T800 Series II transmitter/exciter relay driver.

External Frequency Reference

T801-10 OCXO Module

The T801-10 OCXO module provides a high stability frequency source to which the synthesiser within a T800 Series II base station can be locked. This will provide T800 Series II transmitters with the frequency stability required for simulcast transmission. The master standard within the T801-10 is a high quality ovenised crystal oscillator (OCXO). Three outputs are provided on the rear panel, which allows up to three T800 Series II transmitters to be referenced to the source oscillator.

Refer to M801-10.

Rack Frame Guides

T800-41-0001

The T800-41-0001 rack frame guide is designed to fit into a T800 Series II rack frame and will accept one T800 Series II module (except for power supplies and power amplifiers which must use their own guides). It is supplied disassembled and comprises a top and bottom rail, a rear panel, two D-range sockets and mounting screws.

T800-41-0002

The T800-41-0002 rack frame guide is designed to fit into a T800 Series II rack frame and will accept two T800 Series II modules (except for power supplies and power amplifiers which must use their own guides). It is supplied disassembled and comprises two top and bottom rails, a double width rear panel, four D-range sockets and mounting screws.

T800-41-0003

The T800-41-0003 rack frame guide is designed to fit into a T800 Series II rack frame and will accept three T800 Series II modules (except for power supplies and power amplifiers which must use their own guides). It is supplied disassembled and comprises three top and bottom rails, a triple width rear panel, six D-range sockets and mounting screws.

T800-41-0004

The T800-41-0004 rack frame guide is designed to fit into a T800 Series II rack frame and will accept four T800 Series II modules (except for power supplies and power amplifiers which must use their own guides). It is supplied disassembled and comprises four top and bottom rails, a four-module wide rear panel, eight D-range sockets and mounting screws.

T800-42-0000

The T800-42-0000 rack frame guide will allow a duplexer to be mounted in a T800 Series II rack frame. It occupies a single module space and comprises a folded metal chassis, mounting brackets and screws.

T800-42-0001

The T800-42-0001 rack frame guide is the same as the T800-42-0000 described above, but with the addition of a duplexer front panel.

T800-42-0002

The T800-42-0002 rack frame guide is the same as the T800-42-0000 described above, but with the addition of a blank front panel.

T800-43-0000

The T800-43-0000 rack frame guide is designed to fit into a T800 Series II rack frame and will accept one T300 or T1500 Series module (e.g. T318-02, T1511). It is supplied disassembled and comprises a top and bottom rail, two T300 D-range socket boxes and mounting screws. The T800-43-0000 is not compatible with the T800 Series II rack frame backplane PCB. Consult your nearest Tait Dealer or Customer Service Organisation for more details about T300/T1500 Series compatibility with T800 Series II rack frames.

T800-43-0001

The T800-43-0001 is the same as the T800-43-0000 but is supplied with only one D-range socket box.

T800-44-0000

The T800-44-0000 rack frame guide is designed to fit into a T800 Series II rack frame and will accept one T800 Series II power supply. It comprises a top and bottom rail and mounting screws.

T800-45-0000

The T800-45-0000 rack frame guide is designed to fit into a T800 Series II rack frame and will accept one T800 Series II 50W power amplifier. It comprises a top guide stop, a bottom guide rail and mounting screws.

T800-45-0001

The T800-45-0001 rack frame guide is designed to fit into a T800 Series II rack frame and will accept one T800 Series II 100W power amplifier. It comprises a top guide stop, a bottom guide rail, extra mounting brackets for the double width front panel and mounting screws.

Rack Frame Ancillaries

T800-13-0000 Extender Rail

The T800-13-0000 extender rail allows a T800 Series II receiver, exciter or transmitter to be operated out of the rack frame with the covers off for tuning purposes. It is fitted with two 15-way D-range connectors.

T800-14-0000 Extender Rail

The T800-14-0000 extender rail is the same as the T800-13-0000, but is intended for equipment using an external reference (e.g. Quasi-Sync). It thus has one 15-way D-range, and one 11-way D-range incorporating a miniature RF connector.

T800-19-0000 Rack Mounting Fan

The T800-19-0000 fan is designed to fit into the base of any standard 483mm rack frame without affecting its ability to house seven modules. The two mounting rails are secured to the rack frame side panels, and the fan is screwed onto the rails under the required module. The kit contains all mounting hardware.

T800-19-0010 Rack Mounting Fan

The T800-19-0010 fan is designed to fit into the base of any standard 483mm rack frame without affecting its ability to house seven modules. The fan is mounted directly onto the underside of the bottom guide rails with two mounting brackets. The kit contains all mounting hardware.

Front Panels

T800-15-0000 Speaker Panel

A 60mm speaker panel fitted with a 4 Ω speaker and programming socket. It comes complete with mounting hardware and a cable to connect the programming socket to the backplane PCB.

T800-15-0001 Speaker Panel

A 60mm speaker panel fitted with a 4 Ω speaker, complete with mounting hardware.

T800-17-0010 Circuit Breaker Panel

A 60mm front panel fitted with a 10A magnetic circuit breaker. The circuit breaker also functions as an on/off switch to control the supply of power to the rack frame. The T800-17-0010 is intended primarily for use with rack frames powered by batteries (or with a battery back-up supply) and comes complete with mounting hardware.

T800-17-0020 Circuit Breaker Panel

The same as the T800-17-0010, but fitted with a 20A circuit breaker.

T800-40-0000 Blank Panel Fitting Kit

The mounting brackets and screws necessary to fit a T800 Series II 60mm blank front panel into a T800 Series II rack frame.

T800-40-0001 Blank Panel

A T800 Series II 60mm blank panel complete with mounting brackets and screws.

Power Supplies

T808-10-0000 Mains Power Supply

The T808-10-0000 is a switching power supply capable of supplying up to 25A at 11-14V DC. It requires a mains supply of 230V/50Hz or 115V/60Hz (nominal values) which can be internally selected with a switch. The T808-10-0000 is designed to power T800 Series II 100W transmitters (plus receivers, etc.) and requires a T800-44-0000 guide to fit into a T800 Series II rack frame.

Refer to the T800 Ancillary Equipment Service Manual for more information.

