



Radio Systems Division Technical Publications

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Radio Systems Division Technical Publications

T800 Series Basestation Technical Publications

New Manuals

The manuals listed below are included on the Radio Systems Division Documentation CD ROM as Adobe Acrobat PDF files. Hardcopy manuals can be ordered from TEL.

The order number column also denotes in which folder on the CD ROM the relevant manual PDF files are stored.

Product number	Title
M800-00-101	T800 Series II Ancillary Equipment Service Manual Issue 101
M830-00-201	T830 Series II Base Station Equipment 136-174MHz Service Manual Issue 201
R830-00-201	T830 Series II Base Station Equipment 136-174 MHz Revision Pack Issue 201
M850-00-201	T850 Series II Base Station Equipment 400-520MHz Service Manual Issue 201
R850-00-201	T850 Series II Base Station Equipment 400-520mhz Revision Pack Issue 201
M860-00-200	T860 Series II Base Station Equipment 220-285MHz Service Manual

T800 Series Basestation Technical Publications (continued)

**Existing
Manuals**

The manuals listed below are not included on the Radio Systems Division Documentation CD ROM. Hardcopy manuals can be ordered from TEL.

Product number	Description
M223-02	T223-02 desk top remote control unit service manual (includes T007-00 decoder)
M274-75	T274 & T275 base station remote control system service manual
M318-04	T318-04 AM/FM Tx/Rx monitor service manual (include. T1551 line termination unit)
M375-00	T375 Service Manual
M377-00	T377 exciter & PA service manual
M801-00	T801 frequency reference module service manual
M801-10	T801-10 frequency reference module service manual
M802-00	T802 remote monitor service manual
M805-00-102	T805 Quasi-Synchronous System Service Manual
M805-06-100	T805 Quasi-Synchronous System Service Manual (US version)
M806-00	T806 base station power supply service manual
M820-00-100	T820 Series I Service Manual
M820-02-100	T820 Series I Service Manual (French language)
M820-06-100	T820 Series I Service Manual (US version)

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T800 Series Basestation Technical Publications (continued)

**Existing
Manuals**

The manuals listed below are not included on the Radio Systems Division Documentation CD ROM. Hardcopy manuals can be ordered from TEL.

Product number	Description
M830-00-100	T830 Series I Service Manual
M850-00-101	T850 Series I Service Manual (T855/6/7/8/9)
M850-02-100	T850 Series I Service Manual (French language version)
M860-00-100	T860 Series I Service Manual (T865/7/9)
M870-00-100	T870 Series I Service Manual (T875/7/8)
M881-00	T881 transmitter service manual
M885-00	T885 receiver service manual
M889-00-100	T889 PA service manual
M800-00-100	T800 Series I Ancilliary Products Service Manual
M800-06-100	T800 Series I Ancilliary Products Service Manual (US version)
R800-00-101	Revision package for M800-00-100 manual
R805-00-101	Revision package for M805-00-100 manual
R805-00-102	Revision package for M805-00-101 manual

T800 Series Basestation Technical Publications (continued)

Technical Notes The newer Technical Notes and older Technical Instructions are included on the Radio Systems Division Documentation CD ROM as Adobe Acrobat PDF files.

Note: Technical Notes and Technical Instructions can also be downloaded from the Taitworld Customer Support Web site <http://www.taitworld.com/>

Technical Instruction Number	Description
Technical Instruction 356D	T800-07 Multichannel Memory PCB
Technical Instruction 398A	T856 To Convert To Low Power Operation
Technical Instruction 415	T826 & T857 Short Key Time Option
Technical Instruction 418	T800 Selcall Sigtec S1530 Installation
Technical Instruction 422	T800 Receivers Rx De-Sense by Auxiliary Boards
Technical Instruction 425	T825-10 VHF Receivers Sinad Mute Modifications
Technical Instruction 431	T800 Series Pre-Tinning Of Power Transistor Tabs
Technical Instruction 455	T800-30/35 & T800 Transmitters DFSK Waveform Improvements
Technical Instruction 457	T830 Series I / II Compatibility
Technical Instruction 458	T875-25, T877-25K & T859-10K Modifications For Kukjae
Technical Instruction 459	Best Practice For Installing T800 Series Power Amplifiers

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T800 Series Basestation Technical Publications (continued)

Technical Notes (continued) The newer Technical Notes and older Technical Instructions are included on the Radio Systems Division Documentation CD ROM as Adobe Acrobat PDF files.

Technical Note Number	Description
Technical Note 505	Modifications Required For T800 Series II Paging And Quasi-Sync Transmitters
Technical Note 507	DFSK Waveform Improvements In T800 Series II Transmitters Fitted With T800-30-0001/0003 PCBs
Technical Note 508	Fitting A Sigtec S1530 Selcall Unit To A T800 Series II Transmitter
Technical Note 509	T800 Low Line Level Modification
Technical Note 510	To Convert A T856 Series II Module To Low Power Operation
Technical Note 511	T800 Product Planning Status
Technical Note 512	Combining Third Party Equipment With The T800 Series II Radio Platform
Technical Note 518	Using T800 Series II with Zetron Model 49 LTR Trunking Logic
Technical Note 524	T859-30 Power Amplifier Swap out
Technical Note 529	T800-02 Modification to allow reverse burst detection when used with Motorola HT1000 portables
Technical Note 532	T859-30 100 Watt Power Amplifiers
Technical Note 544	Improving The Noise Mute Performance In Series II T855 Receivers
Technical Note 546	T800 Series II - Fixed Equipment Chart
Technical Note 547	Radio Frequency Planner Chart
Technical Note 566	T800-02 CTCSS Encoder/Decoder
Technical Note 581	T800 Fixed Equipment Modules
Technical Note 582	T800 Ancillary Equipment
Technical Note 585	T800-07 Multichannel Memory (updating TI 356D)

T800 Series Basestation Technical Publications (continued)

Fitting Instructions

T800 Fitting Instructions are included on the Radio Systems Division Documentation CD ROM as Adobe Acrobat PDF files.

Note: Fitting Instructions can also be downloaded from the Taitworld Customer Support Web site
[http:// www.taitworld.com/](http://www.taitworld.com/)

IPN	Description
418-15052-00	T1500-52-0000 Fitting Instructions Tx Alarm/Multi-channel Kit
419-83200-00	T800-32-0000 Fitting Instructions T800-32-0000 Paging Board
419-83210-00	T800-32-0010 Fitting Instructions T800-32-0010 Paging Board
458-80100-00	T800-01-0010 Calibration Test Unit User's Guide
419-80035-02	T800-35 Fitting Instruction DFSK Modulator for T800 transmitters
459-80140-00	T800-01-0004 Programming Module Interface User's Guide
419-80600-01	T800-06-0000/0001 Fitting Instructions
419-80600-00	T800-06-0000/0001 Fitting Instructions
419-80007-00	T800-07 Plug-in Multichannel Memory PCB Fitting Instructions
419-81700-00	T800-17-0010 Fitting Instructions
419-82300-00	T800-23-0000 Slimline Repeater Kit Fitting Instructions

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T800 Series Basestation Technical Publications (continued)

Fitting Instructions (continued)

T800 Optional Equipment Fitting Instructions are included on the Radio Systems Division Documentation CD ROM as Adobe Acrobat PDF files.

IPN	Description
419-83000-00	T800-30-0000 Fitting Instructions
419-80055-00	T800-55 Fitting Instructions
419-80060-03	T800-60 Fitting Instructions
419-80081-00	T800-81 Fitting Instructions
419-80082-00	T800-82 Fitting Instructions
419-80083-00	T800-83 Fitting Instructions
419-80084-00	T800-84 Fitting Instructions

TaitNet MPT Trunking Systems Technical Publications

MiniSystem Local System Manuals

The manuals listed below are included on the Radio Systems Division Documentation CD ROM as Adobe Acrobat PDF files. Hardcopy manuals can be ordered from TEL. The order number column also denotes in which folder on the CD ROM the relevant manual PDF files are stored.

Product No	Description
M1704-SS-811	Taitnet Mnisystem System Manual
M1704-SS-812	Taitnet Minisystem Service Manual
M1704-SS-823	Minisystem Feature Library
M1504-00-805	T1504-00 Network Management Terminal Network Operations Manual

T1530 Regional System Manuals

The manuals listed below are included on the Radio Systems Division Documentation CD ROM as Adobe Acrobat PDF files. Hardcopy manuals can be ordered from TEL. The order number column also denotes in which folder on the CD ROM the relevant manual PDF files are stored.

Product No	Description
M1504-00-805	T1504-00 Network Management Terminal Network Operations Manual
M1504-FR-805	Terminal de Gestion du Réseau Guide de l'utilisateur
M1530-SS-812	T1530 Trunked Radio Network Node Service Manual
M1530-SS-823	T1530 Single-Node Systems Feature Library
M15XX-S1-812	Site Service Manual (Series I T1510-01 CCM & T1550-02 LTU)
M15XX-S2-812	Site Service Manual (Series II T1511 CCM)
M1530-NS-811	TaitNet Regional Network Support Manual

TaitNet MPT Trunking Systems Technical Publications (continued)

T1540 National System Manuals

The manuals listed below are included on the Radio Systems Division Documentation CD ROM as Adobe Acrobat PDF files. Hardcopy manuals can be ordered from TEL.

The order number column also denotes in which folder on the CD ROM the relevant manual PDF files are stored.

Product No	Description
M1540-20-805	T1540-20 Network Management Terminal Network Operations Manual
M1540-35-805	Network Provider Package Operations Manual
M1540-71-315	T1540 Line Despatcher Equipment Installation and Configuration Manual
M1540-71-315-130	T1540 Line Despatcher version 1.30 Installation and Configuration Manual
M1540-71-315-131	T1540-71 Line Despatcher Terminal version 1.31 Operations Manual
M1540-71-805	T1540-71 Line Despatcher Terminal Operations Manual
M1540-SS-811	T1540 Trunked Radio Network Node Support Manual
M1540-SS-812	T1540 Trunked Radio Network Node Service Manual
M1540-SS-823	T1540 Multi-Node Systems Feature Library
M15XX-S1-812	Site Service Manual (Series I T1510 CCM & T1550 LTU)
M15XX-S2-812	Site Service Manual (Series II T1511 CCM)
M1540-HS-805	TaitNet Hot Standby Equipment Operations Manual
M1540-NS-811	TaitNet National Network Support Manual
M1540-HA-811	TaitNet High Availability Support Manual

TaitNet MPT Trunking Systems Technical Publications (continued)

Technical Notes The newer Technical Notes and older Technical Instructions are included on the Radio Systems Division Documentation CD ROM as Adobe Acrobat PDF files.

Note: Technical Notes and Technical Instructions can also be downloaded from the Taitworld Customer Support Web site <http://www.taitworld.com/>

Technical Instruction / Technical Note Number	Description
Technical Instruction 401	T1560-04 DAS RS-485 Terminating Impedance's 32 Port Switch
Technical Instruction 404	Upgrade of DAS Equipment to 57.6 kbaud Communication Rate
Technical Instruction 407	T1510 and T1520 reset header PCB
Technical Instruction 411	T1560-03 Improvements to Tone Decoders
Technical Instruction 419	T1520-02 Battery Backup not Functioning Long Enough
Technical Instruction 423	T1560-20 Reducing the Possibility of a DCS Reset Occurring
Technical Instruction 430	To Upgrade the CCM Main EPROM to 64K
Technical Instruction 433	T1560-08 MFC Upgrade
Technical Instruction 435	T1520-15 & T1520-20 SCU Memory Map Upgrade
Technical Instruction 438	T1520-00 Upgrade to Use the T1520-15 Main Board

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TaitNet MPT Trunking Systems Technical Publications (continued)

Technical Notes (continued) The newer Technical Notes and older Technical Instructions are included on the Radio Systems Division Documentation CD ROM as Adobe Acrobat PDF files.

Technical Instruction / Technical Note Number	Description
Technical Instruction 442	T1520-15 Resetting VALRAM and RAM Banks
Technical Instruction 444	T1510-01 Site Bus Connectivity
Technical Instruction 445	T1520 D4 Silk Screen Incorrect
Technical Instruction 447	T1530ISC SCU logon problem
Technical Instruction 448	T1510-01 Site Bus Power Down Modification
Technical Instruction 449	Incorrect display by T1520 SCU with 24 channels
Technical Instruction 450	Upgrade of SCU to improve node-site communications
Technical Instruction 451	T1510-00/01 Control Channel Compatibility
Technical Instruction 452	Noisy intersite links
Technical Instruction 453	Excessive delays in intersite links
Technical Instruction 457	Upgrade of SCU to improve node-site communications
Technical Instruction 458	Resetting SCUs and clearing RAM and VALRAM banks from the NMT
Technical Instruction 460	Modification of CompuSpec four-wire modems

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TaitNet MPT Trunking Systems Technical Publications (continued)

Technical Notes (continued) The newer Technical Notes and older Technical Instructions are included on the Radio Systems Division Documentation CD ROM as Adobe Acrobat PDF files.

Technical Instruction / Technical Note Number	Description
Technical Instruction 461	Establishment of node-site communications link using CompuSpec four-wire modems
Technical Instruction 462	Upgrade of memory map for T1520-00 SCUs
Technical Instruction 463	Compiling Kits for Upgrading Sites to V5.00 Firmware
Technical Note 506	Modification of CompuSpec four-wire modems
Technical Note 513	Index Switch Protocol Converter Installation
Technical Note 516	LMS Numbering System Configuration Checklist
Technical Note 517	Application of LMS numbering in the software for T1510 and T1511 CCMs
Technical Note 519	T1540 Node Configuration for LMS Operation
Technical Note 525	Mobile Data on TaitNet Systems
Technical Note 527	MPT1343 Dynamic Regrouping
Technical Note 548	Number Translation for Telephone-to-Radio Calls on TaitNet Systems
Technical Note 551	Modification of initial-production CCMs
Technical Note 562	Modifications to ensure compatibility
Technical Note 571	DAS II Krone Block Wiring
Technical Note 573	T1540 Node Controller Version 5.0.0 Release
Technical Note 574	T1540-20 Network Management Terminal Version 5.0.0 Release
Technical Note 575	Line Dispatcher Version 1.2 Release
Technical Note 576	Index Switch Protocol Converter Version 1.9 Release Approval
Technical Note 577	Hot Standby Version 2.2 Release Approval
Technical Note 580	Trunking EPROM Configuration Software
Technical Note 583	Modifying and Installing an RS-485 Card
Technical Note 584	T1510 MAX and T1511 MAX Processor Software Version 5.09 Release Approval

TaitNet MPT Trunking Systems Technical Publications (continued)

Rural Telephone Documentation

The manuals listed below are included on the Radio Systems Division Documentation CD ROM as Adobe Acrobat PDF files. Hardcopy manuals can be ordered from TEL.

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Product No	Description
M1555-01-315	T1555-01 Radio Telephone Card Installation Manual
M1555-01-812	T1555-01 Radio Telephone Card Service Manual

Intersite Modem Documentation

The manuals listed below are included on the Radio Systems Division Documentation CD ROM as Adobe Acrobat PDF files. Hardcopy manuals can be ordered from TEL.

The order number column also denotes in which folder on the CD ROM the relevant manual PDF files are stored.

Product No	Description
M1556-02-315	T1556-02 Intersite Modem Card Installation Manual
