

TECHNICAL NOTES

Technical Notes for Tuning, Installing, Maintaining and Servicing MT-3 and MT-4 Radio Systems

Daniels Electronics Ltd.
43 Erie Street
Victoria, British Columbia
Canada V8V 1P8

International

Phone: 250-382-8268

Fax: 250-382-6139

Email: sales@danelec.com

Web: www.danelec.com

Toll Free Canada and U.S.A.

Phone: 1-800-664-4066

Fax: 1-877-750-0004

Table of Contents

System Overview

TN105 Dual Subrack Interconnection
TN110 Channel and Frequency Selection
TN130 Audio Processor Tuning Procedures
TN160 Base Station or Link Configuration Settings
TN170 USB Driver Installation for MT-4E RSS
TN175 MT-4E Firmware Upgrading

Receiver Modules

TN213 VR-3A130-SYF VHF AM Enhanced Receiver
TN220 VR-3H040 VHF Lowband Receiver
TN247 VR-4E VHF MT-4E Receiver
TN267 UR-4E UHF MT-4E Receiver
TN287 UR-4E UHF 800 MHz MT-4E Receiver

Transmitter Modules

TN311 VT-3A130-SYF VHF AM Synthesized Transmitter
TN320 VT-3H040 VHF Lowband Transmitter
TN347 VT-4E VHF MT-4E Transmitter
TN367 UT-4E UHF MT-4E Transmitter
TN387 UT-4E UHF 800 MHz MT-4E Transmitter

Power Amplifiers

TN425 AMP-P10-2Ax1-C1 VHF Lowband Power Amplifier
TN440 AMP-2/150 VHF 30 Watt Power Amplifier
TN445 AMP-1xx-110-D1x VHF 60 - 110 Watt Power Amplifier
TN460 AMP-2/450 UHF 30 Watt Power Amplifier

Table of Contents

Subracks

TN500 SR-39-1 Subrack
TN520 SR-39-3 Multiple Receiver Subrack
TN530 SR-39-4 Multiple Transmitter Subrack

Control Cards

TN600 AC-3E Audio Control Card
TN640 CI-PM-3 Paging Modulator
TN650 CI-RC-4L Repeater Control Card
TN651 CI-RC-4M Multiple Link Controller
TN655 CI-BC-4E Base Control Card

Transportable Systems

TN710 ET-3 Transportable Radio System Case
TN720 ET-4 Transportable Radio System Case
TN730 ET-5 Transportable Tactical Radio System Case
TN735 ET-6 Transportable Tactical Radio System Case
TN750 ET-1 Transportable Radio System Case
TN790 Transportable Radio System Accessories

Table of Contents

Other

TN800 A-PNL-AUX96-3 Auxiliary Connector
TN811 SM-3 System Regulator
TN820 CP-SC-3 Synthesizer Channel Programmer
TN830 AC to DC and DC to DC Power Supplies
TN835 High Current AC to DC Power Supplies
TN840 Extender Cards and Kits
TN855 CI-DSP-223 Vega DSP Tone-Remote Adapter
TN856 CI-IP-223 Vega IP Network Remote Adapter
TN870 CI-RSWITCH Redundant Switch

Test Procedures

TN900 Daniels MT-3 and IFR 1200 by Aeroflex Test Procedures
TN910 Daniels MT-3 and IFR COM-120 by Aeroflex Test Procedures