

MTR3000 Base Station

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Over **35,000**

MTR 2000 Base Stations
sold worldwide



MTR3000 Repeater



- **Analogue and MOTOTRBO digital**
 - Supports IP Site Connect and Capacity Plus
- **UHF 403 - 470 / 470 - 524MHz – May 2010**
- **VHF 136 - 154 / 150 - 174MHz – Q1 2011**
- **Upgrade kits for MTR2000**
 - High power Q2 2010
 - Low power Q1 2011
- **8 - 100W continuous duty**
- **16 Frequencies**
- **RoHS & R&TTE compliant**



MTR3000 Serviceability



- Repeater diagnostic and control (RDAC) software provides remote or local site monitoring
- Easy to replace components with functionally separate Field Replaceable Units (FRU).
- Software based design simplifies feature upgrades.
- Easy access to station ports (no need to remove the front panel) shortening installation & maintenance time.
- For ease of installation, minimal station alignment is needed

MTR3000 Repeater



- **Analog and Digital Conventional** in one base station without the cost of additional software
- **Spectral efficiency**; One frequency pair provides two logical voice paths
- Effectively twice the **power efficiency** as compared to two analog stations when operating in Digital mode
- **Optimises expensive site space**:
One physical station provides the capacity of two in Digital Mode
- **NEW! 2-year warranty**

MTR2000 vs MTR3000



Capability	MTR2000	MTR3000
Air Interface/Conventional		
Analog Conventional	✓	✓
MOTOTRBO (2-SLOT TDMA)		✓
Station Operation		
Base Radio Analog	✓	✓
Base Radio MOTOTRBO		✓
Repeater Analog	✓	✓
Repeater MOTOTRBO		✓
Simplex	✓	Future Release
Half Duplex	✓	✓
Full Duplex	✓	✓
Air Interface/Trunked		
Privacy Plus/SmartNet	✓	
Analog Trunking (LTR & Passport)	✓	✓
MOTOTRBO Capacity Plus		✓
MOTOTRBO Trunking		✓
Mixed Mode Capability (Analog or MOTOTRBO)		
Static Mixed Mode		✓
Dynamic Mixed Mode (Single Site Repeat)		Future Release

MTR2000 vs MTR3000



Capability	MTR2000	MTR3000
VHF 136-154	✓	Future Release
VHF 150-174	✓	Future Release
UHF 330-403	✓	Not available at this time
UHF 403-470	✓	✓
UHF 470-524		✓
800 MHz	✓	Future Release
900 MHz	✓	Future Release
Frequency Reference		
Internal 1.5ppm (800 MHz)	✓	
Internal 1.5ppm (VHF, UHF)	✓	✓
Internal 0.1ppm (800, 900), optional VHF/UHF		✓
External Reference Capable	✓	✓
Channels		
Programmable Channels	32	16
Channel Frequency Spacing		
Channel Spacing	12.5/15/20/25/30kHz	12.5/15/20/25/30kHz
6.25 equivalency		✓
Network Interface		
Ethernet		✓
4-wire (E&M via GPIO)	✓	✓
4-wire (E&M)	✓	Future Release
Analog wireline	✓	Future Release

MTR2000 vs MTR3000



Capability	MTR2000	MTR3000
Voting		
Receive Only Station	✓	Future Release
Analog Voting	✓	Future Release
Transmitter Capability		
Low Power (30/40W)	✓	
75/100 Watt Capability	✓	✓ (8 - 100)W
Continuous Duty	✓	✓
Aux I/O		
Wildcard	✓	
GPIO (General Purpose Input/Output)	12 GP0 and 11 GPI	7 GPIO and 2 GPI
COR (Carrier Operator Relay) & PTT	✓	Future Release
Additional Hardware Feature		
RoHS compliancy		✓
DB25 Connector (for 3rd party controllers)		✓
Standard Pin Connector		✓
Additional Software Features		
IP Site Connect		✓
RDAC (Radio Diagnostic & Control)		✓
Transmitter Interrupt		Future Release

MTR2000 Analog to Digital Migration

MOTOTRBO...TURBO FAST!



Step 1: Remove the MTR2000 Cover & remove RF cables

Step 2: Unscrew the two screws holding in the control board, Exciter and Receiver

Step 3: Put together the TRBO exciter, receiver and control board (8 screws)

Step 4: Put the module in place & screw in the 2 screws

Step 5: Reconnect the RF cables & put on the new front cover (configure CPS & tune)

MTR3000 Product Launch



- Will be orderable via MOL (pre-configured versions)
- Launch pack
- Collateral
 - Colour Brochure
 - Spec Sheet
 - Quick Reference Guide
 - How to order
 - Features and Benefits
 - 9 languages

MTR3000 Summary



- Repeater in UHF and VHF
- Analog and Digital Conventional in one station
- Migration path from analog to digital
- Similar features & functionality as MOTOTRBO
- Indirect Dealer Distribution

Questions?



THANK
YOU