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All DR3000 Models Include:

- Standard AC Line Cord (3087791G10)
- User Manual CD (PMLN5413)

# DR3000 REPEATER

## Digital Conventional Repeater

### VHF, UHF



#### Features Highlight :

- 16 channels
- 25W & 45W(VHF) / 40W(UHF) with 100% continuous cycle
- Integrated switch mode power supply
- Clear LED indicators on front panel indicate operating mode
- Battery backup interface(batteries are to be bought separately)
- 16 color codes to provide 16 different repeater systems
  - Power on
  - Repeater disabled
  - Digital mode
  - Analogue mode
  - Tx/RX status per slot
- Enhanced Privacy - 40 bits privacy key
- RDAC(Repeater Diagnostic Alarm & Control) repeater software
- IP Site Connect which allows a max of 15 repeaters(of different frequencies) to be connected together over IP

#### Standard Features :

- Operates either in analogue or digital mode
- Double channel capacity in Digital mode
- Accessory connector supports USB interface

Note: May need additional filtering if used on busy CBD sites.

#### Self-quieting Frequencies :

VHF: 144MHz (±5 KHz), 147.45MHz (±5KHz) and 172.025MHz (±5KHz).

UHF: 412MHz (±5 KHz), 450MHz (±5 KHz), 455.85MHz (±5 KHz) and 464.025MHz (±5 KHz)

UHF2: 452.175MHz, 464.025MHz, 498.825MHz, 504.0MHz

BAND SPLIT	BAND	POWER	CHANNEL SPACING	CHAN	MODEL NUMBER
136-174 MHz	VHF1	1W to 25W	12.5/25 kHz	16 Ch	MDM27JNR9JA7AN
403-470 MHz	UHF1	1W to 25W	12.5/25 kHz	16 Ch	MDM27QNR9JA7AN
136-174 MHz	VHF1	25W to 45W	12.5/25 kHz	16 Ch	MDM27JQR9JA7AN
403-470 MHz	UHF1	20W to 40W	12.5/25 kHz	16 Ch	MDM27QPR9JA7AN
450-512 MHz	UHF2	1W to 40W	12.5/25 kHz	16 Ch	MDM27TRR9JA7AN



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**DR3000 REPEATER  
Digital Conventional Repeater  
ACCESSORIES**

MODEL NUMBER	DESCRIPTION
<b>Mount Kits</b>	
PMLE4476	Wall Mount Bracket Kit
<b>AC Line Cord</b>	
3087791G10	Power Supply Line Cord

**Antennas - comes with N-Male Termination without any cable**  
**\*\*For ordering the following parts, please refer to your AAD customer representative**

**RDD4527	DB222-A Dipole Antenna 3dB 150-158MHz
**RDE4556	DB404-B Dipole Antenna 3.8dB 450-470MHz

**Duplexers:**  
**Except as noted, all Duplexers require tuning in the field. All Duplexers come with N-Female Termination**

**VHF - Duplexers**

HFD8188	VHF Duplexer, 144-155 MHz (minimum freq.separation is 4.5 MHz)
HFD8189	VHF Duplexer, 155-162 MHz (minimum freq.separation is 4.5 MHz)
HFD8190	VHF Duplexer, 162-174 MHz (minimum freq.separation is 4.5 MHz)

**UHF - Duplexers**

HFE8400	UHF Duplexer, 406-450 MHz (minimum freq.separation is 5 MHz)
TDE7780	UHF Duplexer, 450-470 MHz - Standard frequency separation is 5MHz
HFE8401	UHF Duplexer, 470-490 MHz (minimum freq.separation is 3 MHz)
HFE8454	UHF Duplexer, 490-512 MHz (minimum freq.separation is 3 MHz)

**Preselector**

HFE8459	UHF 440-474 MHz Preselector
HFD8462	VHF 160-174 MHz Preselector
HFD8463	VHF 136-144 MHz Preselector
HFD8461	VHF 144-160 MHz Preselector
HFE8458	UHF 406-440 MHz Preselector
HFE8460	UHF 474-512 MHz Preselector

**Installation**

RRX4032	Lightning Arrestor
RKN4152	Cable. Battery Backup, LTD Repeater

**RDAC (Repeater Diagnostic, Alarm &Control) CD Kit for Repeaters**

PMVN4171	MOTOTRBO RDAC APP
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**Service Aids**

GMVN5141	MOTOTRBO CPS /Tuner CD
PMKN4010	MAP Universal Programming Cable (Eng Manual) MSA-2 MAP USB A-M
PMKN4016	Programming Rear Accessory Cable (Eng Manual) MSA-3 MAP, USB A-M + DB25
PMKN4018	MAP Universal Cable MAC-6 MAP, Tinned Wires



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# DR3000 REPEATER Digital Conventional Repeater Software NeoTerra Applications

### neoNytro (standalone)

- Text Messaging
- GPS Location Tracking (customer supplied raster map)
- ARS Registration System
- Lone Worker System
- Email to Text Gateway
- Archive and Reporting



### Prerequisites

Your PC must meet the following requirements:

- Microsoft Windows XP Professional or Microsoft Windows Vista - Ultimate or Business Edition
- PC with 2GHz Dual-Core 32-bit (x86) or 64-bit (x64) capable processor
- 2GB of system memory for Windows XP, 4GB of system memory for Windows Vista
- 160GB hard disk with at least 15GB of available space (minimum)
- 10Mbps Network Interface 100 Mbps or Gigabit Ethernet Interface
- Dual monitor video card (recommended)

MODEL NUMBER	DESCRIPTION
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### NeoTerra Applications

PMDN4140	neoNytro (Advanced Messaging and AVL Software) includes: neoNytro Standalone application Map Maker tool Package includes: neoNytro Application CD, License Key Note: One License key for each PC
PMDN4141	zapMail includes: 1 zapMail Application Server upto 100 zapMail Client access Package includes: zapMail Server/Client CD, License Key
PMDN4153	neoNytro Demo kit <b>(Not for Resale)</b>
PMDN4154	zapMail Demo kit <b>(Not for Resale)</b>