US VERSION			MTR3000				
			MOTOTRBO & ANALOG CONVENTIONAL BASE RADIO				
RESELLER PRICES			**GENERAL INFORMATION**				

The MTR30000, orderable model T3000A, is a robust, high powered base station/repeater that offers reliability, future expandability and the ease of migration from analog to digital technology. It integrates voice and data seamlessly, offers enhanced features that are easy to use and delivers increased capacity while the MTR3000 Satellite Receiver, orderable model T7713A, helps enhance analog and digital coverage. No matter your needs, the MTR3000 provides a flexible communication solution from the field to the factory floor.

GENERAL INFORMATION:

High Powered Performance
- Integrated 100 Watt Power Amplifier and AC/DC Power Supply
- Minimal cabling and rack space
- Digital Operation support for MOTOTRBO Conventional, IP Site Connect, Capacity Plus, Linked Capacity Plus, and Connect Plus
- Analog Operation supports Conventional, LTR/Passport Trunking Systems

Serviceability
- Supports Remote or Local monitoring of system performance with Repeater Diagnostic Control Software (RDAC)
- Modular based design allows for quick replacement of components with functionally separate Field Replaceable Units (FRU's) when needed.
- Direct access to service ports via the front panel
- 5 Year Essential Repair and Software

Added Functionality
- Supports Dispatch capability via the MIP 5000 VoIP console
- Digital Telephone Interconnect capability
- Transmit Interrupt Suite
- Analog Wireline capability enabling Integrated Tone Remote Control and DC Remote Control functionality with balanced audio.
- Voting Capability with the MOTOBRIDGE VGU as well as the legacy Spectra-Tac and DIGITAC comparator
- Supports Dynamic Mixed Mode to streamline automatic switching from analog to digital calls. Conventional repeater only
- Convert the MTR2000 to MTR3000 with minimal time and money investment with the MTR2000 Digital Upgrade Kit, orderable model T2003A

*Please also see the list of available Premium Software feature options below which must be purchased in addition to the repeater.

RESOURCES:

- Spec Sheet MOL Resource Center Print On Demand
- Product Planner MOL Resource Center > Product Information> Systems > MOTOTRBO
- MTR3000 Sales & Ordering Guide (MOL Resource Center)

ORDERING REQUIREMENTS:

DUE TO THE COMPLEX NATURE OF CERTAIN ORDERABLE OPTION CONFIGURATIONS WE STRONGLY RECOMMEND REVIEW OF THE PRODUCT PLANNER AND SALES & ORDERING GUIDE ORDERING GUIDE BEFORE PLACING ORDERS.

- The MTR3000 ships standard with a 12 foot AC Power Cable (US and Canada) and a basic install/ service manual . The	X347AF has been removed	

- The MTR3000 main model (T3000) must be ordered for a Standalone Base Radio
- To operate as a base station with the same frequencies the X622AC option must be ordered. If same receive and transmit frequency operation (i.e. simplex) with a singular antenna is desired, then X371 is required as well

Optional Software Features: As new software releases are available there may be software features offered for an additional charge for each Base Radio license. An email address must be provided when ordering so that an software entitlement ID can be emailed to the requestor. The entitlement id allows a user to download the software feature at their convenience when they are connected to the MTR3000. To download the software version that is connected to the station (via USB) user must have an internet connection.

Customer Programming Software (CPS) is required to program the MTR3000. Order RVN5115 or HKVN4362 Portable, Mobile and Repeater Customer Programming Software (CPS) Package: Package includes CPS, Air Tracer, Tuner, Repeater Diagnostics and Control (RDAC), MOTOTRBO System Planner, and 3 year subscription. The software updates are posted on MOL and are available to customers with a current subscription at the following location: MOL > Resource Center> Software > Two-Way > MOTOTRBO > Service. CPS Cabling: MTR3000 stations use a standard type A to type B USB cable for connection to the CPS computer.

CPS Cabling: Model DDN9957. MTR3000 stations require a standard type A to type B USB cable for connection to the CPS computer.

Notes:
- All Base Radios ship un-configured and must be field programmed via the Customer Programming Software
- MTR3000 cannot utilize the MTR2000 RSS software (RVN4148)
- You must purchase the RVN5115 or HKVN4362 for the MTR3000 Base Radio and the MTR2000 MOTOTRBO Upgraded Base Radio
- RVN5115 and HKVN4362 programs MTR3000, & XPR Mobiles, Portables & Repeater

Duplexers: Optional. The filter provides the capability to use a single antenna for both transmit and receiver. Only one transmitter and receiver can be combined.

Preselectors are Optional but Mandatory when a Duplexer is Ordered. Preselectors reject the unwanted signals including the transmit signals from the overloading of the receiver .

Frequencies: Exact customer frequencies are required at the time order is placed. Frequency selection option is also mandatory

The MTR3000 station comes equipped to be front mountable.

Note: The U178 cabinet mount hardware option provides L-brackets which support the weight of the base radio prior to the insertion of the front mounting screws. This option is designed for use ONLY with Schroff Eurorack cabinets.

Racks and Cabinets are available through Aftermarket Support (1-800-422-4210).

See product catalog sheets for FCC information.

MTR3000
MOTOTRBO & ANALOG CONVENTIONAL BASE RADIO

RESELLER PRICES — 800/900 MHz

MODEL	DESCRIPTION	MSRP
T3000	MTR3000 Base Radio	$4,255.00
SELECT FREQUENCY OPTION:		
X450MT	ADD: 800MHz 100W Power (806-870)	$4,140.00
X460MT	ADD: 900MHz 100W Power (896-941)	$4,140.00
X540MT	ADD : UHF 100W POWER (470-524)	$3,910.00
X622AC	ADD: BASE STATION OPERATION -- Required when frequencies are the same operating in analog simplex.	N/C
	If selecting this option, TX and RX frequencies provided must be the same	

Premium System Software:

Use the part numbers below to purchase Premium Software feature Entitlement ID's (EID) for the MTR3000 repeaters. You will receive the EID via an e-mail. Use the MOTOTRBO RVN5115 CPS to register the serial number and activate the specific feature in the firmware of the desired unit. Internet connection is required during the registration, but the activation can be done offline.

Note: MOTOTRBO Premium Software Licenses are NOT transferrable from one device to another. Once a software feature has been registered and activated is a radio, it can NOT be transferred to another radio. If a radio unit is sent for repairs to a Motorola Solutions repair service depot, and the unit is readable with CPS, it will returned back with the same features enabled as it had originally. If the radio cannot be read with CPS< it will be returned from the repair depot with only the factory default settings since the depot cannot verify the features originally enabled. In this case, a call to Technical Support at 800-927-2744 will be required to request a replacement license.

Premium Software Features included in Essential SW & Repair Services (NEW PURCHASES)	MTR 3000
Enhanced GPS	5 Years
Digital Voting	5 Years
Dynamic Mixed Mode	5 Years
IP Repeater Programming	5 Years

MODEL	DESCRIPTION	MSRP
DDN9957	HI-SPEED USB CABLE 6FT (TYPE A -B)	$20.00
HKLN4439*	Capacity Plus Repeater License	$1,917.00
HKVN4110*	Linked Capacity Plus New System Deployment	$5,750.00
HKVN4112*	Linked Capacity Plus Upgrade from Capacity Plus	$3,835.00
HKVN4324*	Capacity Max Repeater License	$6,900.00
HKVN4243**	Digital Voting Operation	$1,438.00
HKVN4044	Dynamic Mixed Mode Software Upgrade	$288.00
HKVN4047	IP Repeater Programming and Upgrade License	$288.00
	Activate in the MOTOTRBO CPS 6.0 or later. Once activated, the CPS can connect to an unlimited number of repeaters, one at a time.	
HKVN4055**	Enhanced GPS	$863.00
HKVN4066**	Digital Telephone Interconnect Upgrade	$671.00
HKVN4178*	Restricted Access to System Security	$0.00
HKVN4208*	Data Network Application Interface (IP Wireline Data Gateway)	$863.00
HKVN4209*	Voice Network Application Interface (IP Wireline Voice Gateway) for use with AVTEC SCOUT and WAVE	$288.00
* These System level options must be used to enable the corresponding feature in All Repeaters in the Radio system: both voice and data revert.		
** These software options are to be enabled only in the Repeaters that will support the specific feature (e.g. Enhanced GPS in the Data Revert Repeaters and Telephone Interconnect in the voice Repeater that is connected to the phone patch box and Digital Voting Only in the Voting Repeater).		
RVN5115	Portable, Mobile and Repeater Customer Programming Software (CPS) Package - DVD disk and MOL download. Software Package includes CPS, Air Tracer, Tuner, RDAC, MNIS MCDD, DDMS and the MOTOTRBO System Planner. 3 Year Subscription. Note: Software requires a license agreement and is not intended for resale.	$299.00
HKVN4362	Portable, Mobile and Repeater Customer Programming Software (CPS) Package - MOL download only version. Software Package includes CPS, Air Tracer, Tuner, RDAC, MNIS MCDD, DDMS and the MOTOTRBO System planner. 3 year Subscription. Note: Software requires a license agreement and is not intended for resale.	$169.00
Misc:		
X269AC	ENH: Spectra TAC	$150.00
X699BA	ADD: MTR3000 Factory Test Report	N/C
Wireline:		
X216AR	ADD: 4 Wire Wireline	$400.00
Peripherals:		
X182	Duplexer - Allows a single pair of transmit and receive channels to share a common antenna.	$1,380.00
	If a duplexer is ordered, a preselector is required	
X182VL	ADD: DUPLEXER, VHF (136-146 MHZ)	
X182VM	ADD: DUPLEXER, VHF (144-160 MHZ)	
X182VH	ADD: DUPLEXER, VHF (158-174 MHZ)	
X182UL	ADD: DUPLEXER, UHF (403-435 MHZ)	
X182UM	ADD: DUPLEXER, UHF (435-470 MHZ)	
X182UN	ADD: DUPLEXER, UHF (470-494 MHZ)	
X182UH	ADD: DUPLEXER, UHF (494-512 MHZ)	
X182EB	ADD: DUPLEXER, 800 MHZ	
X265	High Performance Preselector - Recommended for dense RF site applications.	$500.00
	For multiple channel operation the receiver frequency seperation cannot be greater than 4.0 MHz	
	Please select the correct suffix version based on Rx Frequency. Please see product planner and ordering guide for further complex rules when ordering a preselector	
X265VL	ADD: PRESELECTOR, VHF (136- 154 MHZ)	
X265VH	ADD: PRESELECTOR, VHF (150-174MHZ)	
X265UL	ADD: PRESELECTOR, UHF (380-435 MHZ)	
X265UM	ADD: PRESELECTOR, UHF (435-470 MHZ)	
X265UH	ADD: PRESELECTOR, UHF (470-524 MHZ)	
X676VL	ADD: CIRCULATOR, VHF (136-146 MHZ)	$1,500.00
X676VM	ADD: CIRCULATOR, VHF (144-160 MHZ)	$1,500.00
X676VH	ADD: CIRCULATOR, VHF (158-174 MHZ)	$1,500.00
X676UL	ADD: CIRCULATOR, UHF (403-470 MHZ)	$1,500.00

MODEL	DESCRIPTION						MSRP	
X676UH	ADD: CIRCULATOR, UHF (470-524 MHZ)						$1,500.00	
X676EB	ADD: CIRCULATOR, 800 MHz						$1,000.00	
X371	Base Station Antenna Relay (not standard with main model)						$250.00	

US VERSION

MTR3000
MOTOTRBO & ANALOG CONVENTIONAL BASE RADIO

RESELLER PRICES   **OPTIONS**

MODEL	DESCRIPTION						MSRP	
Power Cables:								
X189AE	Power Cable; Europe						N/C	
X162AD	Power Cable; UK						N/C	
X191AD	Power Cable; Australia						N/C	
XA00040AA	Power Cable; Brazil						N/C	
CA01520AA	Power Cable; DC						$25.00	
Communication / Reference Cables:								
X244AG	COMMUNITY REPEATER PANEL CABLE						$50.00	
X244AH	ANALOG PHONE PATCH CABLE						$50.00	
X244AJ	AUXILIARY SYSTEM CABLE						$50.00	
X244AK	Digital Phone Patch Cable						$50.00	
C540AD	System Connector Cable Kit: Provides a housing shell to connect to the 96 pin backplane connector, 30 loose pins, 30 of 24 gauge, 2 meter long wires with						$50.00	
	a pin for header on one end and unterminated at the other end. Allows user to create customized cable depending on application.							
Mounting Hardware:								
X153BA	Rack Mount Hardware						$75.00	
	NOTE: For customer supplied rack, adds racking hardware, no rack included. (Not Compatible with X676 or X182)							
U178AB	CABINET MOUNT HARDWARE FOR SCHROFF EURORACK CABINETS						$100.00	
Kit & Accessories: MTR3000 Field Replaceable Units (FRUs)								
All Field Replacement Units (FRUs) are available through Customer Care and Service Division (RPSD) 1-800-927-2744.								
SERVICE ACCESSORIES:								
FRU MTR3000								
DLN6710	FRU VHF 100W PA 136-174						$3,450.00	
DLN6712	FRU VHF 136-174 EXCITER						$1,500.00	
DLN6713	FRU VHF 136-174 RECEIVER						$1,500.00	
DLN6701	FRU UHF 100W PA (403-470 MHz)						$3,500.00	
DLN6702	FRU UHF 100W PA (470-524 MHz)						$3,450.00	
DLN6703	FRU UHF 403-470 MHz, EXCITER						$1,500.00	
DLN6704	FRU UHF 450-524 MHz, EXCITER						$1,500.00	
DLN6705	FRU UHF 403-470 MHz, RECEIVER						$1,500.00	
DLN6706	FRU UHF 450-524 MHz, RECEIVER						$1,500.00	
DLN6714	FRU 800/900 MHZ 100W PA						$3,450.00	
DLN6715	FRU 800/900 MHZ EXCITER						$1,500.00	
DLN6716	FRU 800/900 MHZ RECEIVER						$1,500.00	
POWER SUPPLY FRU MTR3000s								
DLN6707	FRU MTR3000 AC/DC POWER SUPPLY						$1,000.00	
CONTROL/WIRELINE/MISCELLANEOUS FRU MTR3000s								
DLN6719	FRU STATION CONTROL TCXO FOR VHF AND UHF						$1,300.00	
DLN6718	FRU STATION CONTROL OCXO FOR 800/900 MHz						$1,600.00	
DLN6720	FRU 4 WIRE WIRELINE						$450.00	
MICROPHONES/SPEAKERS/TEST CABLE:								
HSN1006	EXTERNAL SPEAKER						$104.00	
0185180U01	CABLE FOR EXTERNAL SPEAKER						$18.25	
GMMN4063	SERVICE MIC						$72.00	
30009493001	RECEIVER AUDIO TEST CABLE						$65.25	
CABINETS/RACKS & HARDWARE								
CLN6679	RACK MOUNT HARDWARE						$50.00	

MCD 5000 DESKSET SYSTEM
DESKSET AND RADIO GATEWAY UNIT

RESELLER PRICES

The MCD 5000 Deskset System is a powerful and easy-to-deploy VoIP solution which can now connect to your MOTOTRBO system. You can now reach all of your field personnel using MOTOTRBO from the MCD 5000 Deskset. Ideal for dispatch environments, back-up sites, alternate locations, special events and call monitoring. Scalable from small operations to complex control centers and geographically disbursed operations. The system is easy to use allowing timely and efficient management of your radio communications. With IP technology, you have the flexibility to quickly install desksets where you need them using your IP network infrastructure. You can easily expand communication capabilities throughout your organization for increased safety, awareness and coordination.

GENERAL INFORMATION:

SIMPLE AND FLEXIBLE

The MCD 5000 Deskset connects over your IP network to MCD 5000 Radio Gateway Units (RGUs), each of which supports up to four Motorola radios. The inherent flexibility of this solution allows you to tailor configurations from a single deskset and a single radio to multiple desksets and multiple radios. Further increasing your capabilities, the MCD 5000 Deskset allows deskset users to dynamically switch between MCD 5000 RGUs.

Flexible communication options allow the use of the handset, Push-To-Talk (PTT) switch and built-in condenser microphone, or headset, footswitch and desk microphone accessories.

THE INCREASED FUNCTIONALITY OF MOTOTRBO

Combine the cost-effective and adaptable MCD 5000 Deskset System with MOTOTRBO digital two way communications for increased clarity, capacity and efficiency.

The MCC 5000 Deskset System supports MOTOTRBO IP Site Connect, MOTOTRBO Capacity Plus, MOTOTRBO Linked Capacity Plus, MOTOTRBO Connect Plus and MOTOTRBO Capacity Max systems.

The MOTOTRBO digital platform rejects static and noise so communication is clearer over a far wider area than analog. Data applications also run more efficiently, creating an optimal environment for field personnel.

The MCD 5000 Deskset System and MOTOTRBO together create an ideal solution for corporation and university campuses, hotel complexes, hospitals, utilities and any remote field office and command centers that need broad, flexible and affordable communications.

CONFIGURATION AND REPORTING TOOLS

Provide timely support and save travel time when you remotely access your system to configure and troubleshoot the MCD 5000 Deskset and RGU using the MCD 5000 Deskset System Configuration Tool (CT) application. You can also run reports and perform queries for information you need to make real-time decisions.

Supervisor reporting tools allow monitoring of each MDC 5000 Deskset System devices (MCD 5000 Deskset/MCD 5000 RGU) to enhance training and operational efficiencies.

RADIO EMULATION & CONTROL

The MCD 5000 Deskset emulates the buttons and display of the connected MOTOTRBO radio and performs all the functions of the radio control head.

There are also soft keys that can be customized to the unique needs of installations and users for quick control of the standard functions of each radio. For increased security, user profiles can establish which radio resources are allowed to be seen and accessed.

Radio features capable from the Deskset vary from simple 'talk and listen' to Virtual Control Head access to functions of the 2-way radio (PTT IDs, Emergencies, Call Alerts and other advanced signaling for Motorola radios).

An activity log on each MCD 5000 Deskset displays the last operations performed by the user as well as received transmissions.

FEATURES SUPPORTED

--Emergency Alarm and Call	--Talk, Listen
--Channel Steer/Talk Group Select	--PTT Alias ID
--Private, Group and All Call	--Scan
--Voice and Emergency Interrupt	--Keypad Texting

COMPONENTS

The MCD 5000 Deskset System consists of the following components:

MCD 5000 DESKSET - IP-based deskset that provides dispatch capability when connected to a radio. Each MCD 5000 Deskset can only connect to and monitor one radio channel at a time.

DESKSET AUDIO ACCESSORIES (optional) – each MCD 5000 Deskset is capable of supporting one Desktop Paddle Microphone or one Headset Jackbox in addition to a Push-To-Talk (PTT) Foot Switch.

MCD 5000 RADIO GATEWAY UNIT (RGU) – is used to connect radios to the MCD 5000 Deskset System. Each MCD 5000 RGU can interface up to 4 radios to the MCD 5000 Deskset System IP network. A MCD 5000 Deskset user can create a talkpath over the IP network to a radio resource connected to the MCD 5000 RGU. The MCD 5000 Deskset can only connect to and monitor one radio channel at a time.

IP NETWORK –can be deployable on customer's existing WAN/LAN IP Network or on a dedicated IP network for the deskset system.

TWO-WAY RADIO DEVICES – MOTOTRBO XPR5550e Control Station are used with the MCD 5000 Deskset to provide access to the customer's Land Mobile radio (LMR) system.

CONFIGURATION TOOL (CT) APPLICATION – used to configure all parameters and settings on the MCD 5000 Deskset and MCD 5000 RGU. The CT Application can be located remotely anywhere on the IP network or locally using Ethernet connection. The CT Client PC runs on Microsoft Windows® 7 (64-bit) or Windows 10 Pro (64-bit) or Windows 10 loT Enterprise LTSB 2015/2016 (64-bit) OS.

RESOURCES:

- MCD 5000 Deskset System manuals can be found on MOL - https://motonline.mot-solutions.com
Resource Center/Software/Two-Way/Dispatch Console/MCD 5000 Deskset System

ORDERING REQUIREMENTS:							
STEP 1: ORDER THE MCD 5000 DESKSET							
MCD 5000 Deskset is a desktop console that provides digital control to a variety of Motorola radios. The MCD 5000 Deskset may connect directly to a radio							
or it may connect to a selected radio over an IP network via the MCD 5000 Radio Gateway Unit (RGU). Through the digital control link the MCD 5000 Deskset							
emulates the control head of the radio allowing the deskset to perform all the functions that can be performed using the radio control head.							
Below are the ordering instructions:							
1. Order the MCD 5000 Deskset Hardware (F2380) - Required							
2. Order a MCD 5000 Deskset Power Supply for each MCD 5000 Deskset (FHN7469A) - Required							
3. Order an ETHERNET CABLE (FKN8695) for each MCD 5000 Deskset to connect to LAN Switch - Required. Available through MSI or may be customer provided.							
-- Ethernet Cable 10' with Red and Black (FKN8695)							
4. Dependent on Deskset Configuration - Order RADIO INTERFACE CABLE to connect radio to deskset directly if not using a MCD 5000 RGU.							
-- FKN0012 - Cable - MCD 5000 to MOTOTRBO XPR5550e Control Station							
STEP 2: ORDER MCD 5000 DESKSET ACCESSORIES - OPTIONAL							
The MCD 5000 Deskset ships standard with a built-in condenser microphone, an internal front panel speaker, and a K-style handset with a Push-To-Talk							
(PTT) button.							
In addition, the following *OPTIONAL* MCD 5000 Deskset accessories are also available for ordering:							
MCD 5000 Deskset Wall Mount Kit (FHN7394) - Max of 1 per deskset							
PTT Footswitch (BLN6732B) - Max of 1 per desket							
Desktop Paddle Microphone (RMN5068) OR MCD 5000 Headset Jackbox (FHN7470) - Max of 1 per deskset							
Local Logging Cable (FKN8696) to connect a generic analog voice logger to deskset - Max of 1 per deskset							
VIP Cable (FKN8697) - Max of 1 per deskset							
NOTE: The Desktop Paddle Microphone and Headset cannot be used simultaneously since they use the same connector on the MCD 5000 Deskset.							
Below are the ordering instructions:							
1. Order a MCD 5000 Deskset Wall Mount Kit (FHN7394) for each MCD 5000 Deskset - Optional							
2. Order a PTT Footswitch (BLN6732B) for each MCD 5000 Deskset - Optional							
NOTE: Each MCD 5000 Deskset can support up one PTT footswitch. The PTT footswitch provides two foot pedals in a rugged, metal housing with a 7							
foot cable. One pedal is used for the general transmit feature while the other pedal is used for the monitor feature.							
3. Order a Desktop Paddle Microphone (RMN5068) for each MCD 5000 Deskset - Optional							
NOTE: Desktop Paddle Microphone and Headset cannot be used simultaneously since they use the same connector on the MCD 5000 Deskset.							
4. Order a Headset for each MCD 5000 Deskset - Optional							
- A headset may be used with the MCD 5000 Deskset to allow the deskset user to listen to receive audio and to talk on the radio channel. The MCD 5000							
Deskset supports one headset per deskset. The headset must be connected to a MCD 5000 Deskset Headset Jackbox (FHN7470).							
- A headset consist of two parts, a base and a top.							
- The Headset Base consists of an amplifier unit with volume control, an optional PTT switch, a connector for connecting to the headset jack, a clip for							
attaching the amplifier to the user's clothing and either a 15 or 25 foot cable for connecting to the jack.							
- The Headset Top consists of an earpiece, a microphone, a cable for connecting to the bottom section and a clip for attaching the cable to the user's							
clothing.							
To use a headset with the MCD 5000 Deskset the following MUST be ordered per deskset:							
Order MCD 5000 Headset Jackbox Hardware (FHN7470)							
Order Headset Base - choose base (RLN6098 - Headset Base with PTT switch, 15' CBL) OR (RLN6099A - Headset Base with PTT Switch, 25' CBL)							
Order Headset Top - several to choose from - see below:							
RMN5077B - SupraPlus Monaural Headset Top (single-ear headband style)							
RMN5078B - SupraPlus Monaural Headset Top (single-ear headband style) with Noise Canceling Mic							
RMN5079B - SupraPlus Binaural Headset Top (dual-ear headband style)							
RMN5080B - SupraPlus Binaural Headset Top (dual-ear headband style) with Noise Canceling Mic.							
5. Order a MCD 5000 Logger Cable (FKN8696) for each MCD 5000 Deskset - Optional							
NOTE: The MCD 5000 Deskset contains a local 4W-E&M logging output with the ability to connect a generic external voice logger directly to the							
MCD 5000 Deskset.							
6. Order a MCD 5000 VIP Cable (FKN8697) for each MCD 5000 Deskset - Optional							
STEP 3: ORDER MCD 5000 RADIO GATEWAY UNITS (RGUs)							
MCD 5000 RGU is used to connect radios to the MCD 5000 Deskset System. Each MCD 5000 RGU can interface up to 4 radios to the MCD 5000 Deskset							
System IP network. A MCD 5000 Deskset user can create a talkpath over the IP network to a radio resource connected to the MCD 5000 RGU. The							
MCD 5000 Deskset can only connect to and monitor one radio channel at a time.							
Below are the ordering instructions:							
1. Order the MCD 5000 RGU Hardware (F7879B) - Required							
2. Order a MCD 5000 RGU Power Supply for each MCD 5000 RGU (FHN7469A) - Required							
3. Order an ETHERNET CABLE for each MCD 5000 RGU to connect to LAN Switch - Required (Available thru MSI or may be customer provided)							
-- Ethernet Cable 10' with Red and Black (FKN8695)							
4. Order the RADIO INTERFACE CABLE for each radio connected to each MCD 5000 RGU (each RGU can connect up to 4 radios) - Required							
-- Cable - MCD 5000 RGU to MOTOTRBO XPR5550e Control Station (FKN0012)							
5. Order a RGU RACKMOUNT SHELF (FTN7490) - Optional. Each rackmount can fit up to 2 RGU's.							

STEP 4: ORDER THE CONFIGURATION TOOL (CT) APPLICATION CD							
The Configuration Tool (CT) application is a Windows based utility, used to configure all parameters and settings on the MCD 5000 Deskset and MCD 5000 RGU. The CT can be located remotely anywhere on the IP network or locally using Ethernet connection. ONE required per system.							
Below are the ordering instructions:							
1. Order the Configuration Tool (CT) Application CD - ONE REQUIRED per System: FVN5847							
2. Order a Configuration Tool (CT) Workstation - TT3225 (Z2 Mini-Win 10) - Optional							
3. Order a DVD Drive for the Z2 Mini Workstation - DSF2B56AA (USB EXTERNAL DVD DRIVE FOR Z2 MINI) - Optional							
4. Order a Monitor for the Z2 Mini Workstation - DSTG191B (TECH GLOBAL EVOLUTION SERIES 19 INCH NON TOUCH) - Optional							
NOTE: CT Application (FVN5847) can be installed on a technician PC and doesn't need to be connected to the MCD 5000 Desket System at all times.							
IMPORTANT NOTE:							
Information Assurance (OS Hardening) is orderable for the Z2 Mini Workstation if requested by the customer. OS Hardening removes nonessential tools and							
utilities from the Windows Operating System, which could be used to help an attacker gain unauthorized access to system settings or data. The hardening							
process includes several hardening measures, such as closing unused ports, defining password according to definite password rules, and provide limited							
users privileges.							
If IA (OS Hardening) is required, then the CT workstation, TT3225, MUST be supplied from Motorola along with OS Hardening CD - FVN5956. In addition, if the CT							
Workstation is purchased from Motorola, then order McAfee Windows Anti-Virus Client to install on the workstation - T7885.							
If IA OS Hardening is NOT a customer requirement --- below are the CT Application PC requirements for supplying own PC:							
Processor: Intel Xeon E5-1603, 2.8 GHz 1066MHz memory Quad Core							
System Memory: 4 GB							
Free Space on Hard Disk: 10 GB							
Network Adapter with LAN 10/100 Mbps							
Screen Resolution: 1024 x 768							
Operating System: Microsoft Windows 7 Professional SP 1 (64-bit) OR Windows 10 Professional (64-bit) OR Windows 10 IoT Enterprise LTSB 2015/2016 (64-bit)							
STEP 5: ORDER SPARES / FIELD REPLACEMENT UNITS (FRUs) - OPTIONAL							
FHN7290AS - FRU: K-Style Handset (includes coiled cable) for the MCD 5000 Deskset							
FHN7394AS - MCD 5000 Deskset Wall Mount Kit							
FKN8696AS - Cable - MCD 5000 Deskset to Logger							
FHN7470AS - MCD 5000 Headset Jackbox & Cable							
FKN8694AS - Cable - MCD 5000 Deskset to Headset Jackbox							
FHN7469AS - MCD 5000 Deskset / RGU Power Supply with USA Power Cord							
FKN8695AS - Ethernet Cable 10'							
FKN8704AS - Cable - MCD 5000 RGU Ground Cable							
FKN0012A- Cable - MCD 5000 RGU to MOTOTRBO XPR5550e Control Station							
DSF2B56AA - External DVD Drive for the Z2 Mini Workstation							
DSY7B61AA - Vesa Mounting Sleeve for the Z2 Mini Workstation							
CONFIGURATION							
MODELS						**MSRP**	
F2380A	MCD 5000 DESKSET					$1,500.00	
F7879B	SM, RADIO GATEWAY UNIT (RGU)					$1,500.00	
TT3225A	Z2 MINI WORKSTATION 258G 8G NON RET					$2,500.00	
DSF2B56AA	USB EXTERNAL DVD DRIVE FOR Z2 MINI					$172.00	
DSTG191B	TECH GLOBAL EVOLUTION SERIES 19INCH NON TOUCH					$1,398.00	
CABLES						**MSRP**	
FKN8695AS	ETHERNET CABLE 10' WITH RED & BLACK LABELS					$47.00	
FKN0012A	CABLE RGU TO MOTOTRBO (XPR 5550e)					$100.00	
POWER SUPPLY						**MSRP**	
FHN7469A	MCD 5000 DESKSET / RGU POWER SUPPLY WITH USA POWER CORD					$100.00	
SOFTWARE APPLICATION						**MSRP**	
FVN5847A	MCD 5000 DESKSET SYSTEM CONFIG TOOL					$250.00	
DESKSET ACCESSORIES						**MSRP**	
FHN7394A	MCD 5000 DESKSET WALL MOUNT KIT					$24.00	
FHN7470A	MCD 5000 DESKSET HEADSET JACK BOX & CABLE					$150.00	
FKN8696A	CABLE - MCD 5000 DESKSET TO LOGGER					$40.00	
FKN8697A	CABLE - MCD 5000 DESKSET TO VIP (R2.0)					$40.00	
FTN7490	MCD 5000 DESKSET RGU RACK MOUNT PANEL PLUS SCREWS					$200.00	
DSY7B61AA	HP Z2 MINI ARM WALL VESA MOUNT					$77.00	
RMN5068A	DESKTOP MIC					$120.00	
BLN6732B	FOOT, SWITCH TRADITIONAL					$135.00	
RLN6098A	HDST MODULE BASE W/PTT, 15' CBL					$210.00	
RLN6099A	HDST MODULE BASE W/PTT, 25' CBL					$242.00	
RMN5077B	SUPRAPLUS SINGLE MUFF HEADSET					$110.00	
RMN5078B	SUPRAPLUS NC SINGLE MUFF HEADSET					$149.00	
RMN5079B	SUPRAPLUS DUAL MUFF HEADSET					$117.00	
RMN5080B	SUPRAPLUS NC DUAL MUFF HEADSET					$139.00	
INFORMATION ASSURANCE						**MSRP**	
FVN5956A	MCD 5000 WINDOWS SUPPLEMENTAL					$50.00	
T7885A	MCAFEE WINDOWS AV CLIENT					$165.00	

FIELD REPLACEMENT UNITS					MSRP
FHN7290A	FRU: K-STYLE HANDET (INCLUDES COLIED CABLE) FOR MCD 5000 DESKSET				$75.00
FKN8694A	FRU: CABLE - MCD 5000 DESKSET TO HEADSET JACK BOX				$40.00
FKN8704A	FRU: CABLE - MCD 5000 DESKSET RGU GROUND CABLE				$30.00

Fixed - Page 1
Date 8/1/17
SUGGESTED RETAIL

SLR 1000
REPEATERS
12.5 kHz

Each SLR 1000 Includes:
- **12V DC Power Cord (Requires 12V power source)**
- **Wall Mount Bracket**
- **5 Year Essential Repair and Software**
- **Quick Start Guide**

Features:
- 1-10W transmit power
- IP65 Rated, UL Outdoor Part 22 (60950-22)
- Supports Two Simultaneous Voice Paths in Digital TDMA Mode
- Operates in Analog or Digital Mode
- Supports all MOTOTRBO system achitectures
- Remote Diagnostics Alarms and Controls (RDAC)
- 100% Continuous Duty Cycle
- Pole Mount Kit Sold Separately
- AC Power Supply Sold Separately

Frequencies Not Allowed for SLR 1000:
When using an External Repeater Mounted Antenna, the
following frequencies are not allowed for the SLR 1000:
400, 403.2, 422.4, 425, 441.6, 450, 460.8, 475, 480, 499.2, 500

***Please also see the list of available Premium Software feature options
below which must be purchased in addition to the repeater.**

REQUIRED

CATALOG MODEL	DESCRIPTION	BAND		MSRP
AAR11SDGANQ1AN	SLR 1000 400-512M 10W	UHF		$4,255.00

FCC INFORMATION: UHF: ABZ99FT4100

OPTIONAL

OPTIONAL CONFIGURATIONS	DESCRIPTION	MSRP
Untuned Internal Duplexers (for use with 10 Watt SLR 1000 only) - Requires Install & Tuning in the Field		
GA01589AA	ADD: UHF DUPLEXER (ROHS) 410-430MHZ (5MHz separation RX or TX)	$900.00
GA01590AA	ADD: UHF DUPLEXER (ROHS) 430-480MHZ (5MHz separation RX or TX)	$900.00
GA01591AA	ADD: UHF DUPLEXER (ROHS) 480-527MZ (5MHz separation RX or TX)	$900.00
Internal Antenna Switch (for use with 10 Watt SLR 1000 only) - Requires Install & Configuration in the Field		
GA01592AA	ADD: ANTENNA SWITCH (FOR EXTENDED RANGE DIRECT MODE)	$300.00
Please note - NOT compatible with above duplexers. This mode of operation requires a software license		
External Repeater Mounted Antenna		
GA01593AA	ADD: EXTERNAL MOUNTED ANTENNA (400-460MHZ)	$133.00
GA01594AA	ADD: EXTERNAL MOUNTED ANTENNA (440-495MHZ)	$133.00
GA01595AA	ADD: EXTERNAL MOUNTED ANTENNA (490-512MHZ)	$133.00

Note: For use with duplexer or antenna switch. If the duplexer or antenna switch accessories are not used, external antennas are required
Note: See above table for self-quieting frequencies
Note: Not recommended for areas that are susceptible to lightning

Power Accessories:		
GA01596AA	ADD: AC POWER ADAPTOR KIT FOR INDOOR USE (INCLUDES BRACKET)	$200.00
GA01597AA	ADD: AC POWER ADAPTOR KIT FOR OUTDOOR USE (HARD WIRE)	$400.00
Mounting Accessories:		
GA01598AA	ADD: POLE MOUNTING KIT	$150.00

Note: Fits poles 2-2.75"

SLR 1000 REPEATER ACCESSORIES

MODEL NUMBER	DESCRIPTION	MSRP
Duplexers:		
HKFE4000A	UHF Duplexer (RoHS) 410-430MHz (5MHz separation RX or TX)	$900.00
HKFE4001A	UHF Duplexer (RoHS) 430-480MHz (5MHz separation RX or TX)	$900.00
HKFE4002A	UHF Duplexer (RoHS) 480-527MHz (5MHz separation RX or TX)	$900.00
Antennas and Switch:		
HKAE4003A	SLR 1000 External Repeater Mounted Antenna (400-460MHz)	$133.00
HKAE4004A	SLR 1000 External Repeater Mounted Antenna (440-495MHz)	$133.00
HKAE4005A	SLR 1000 External Repeater Mounted Antenna (490-530MHz)	$133.00
PMLN7263A	SLR 1000 Antenna Switch for Extended Range Direct Mode Operation	$300.00
Power Accessories:		
PMLN7773A	SLR 1000 AC POWER ADAPTOR FOR INDOOR APPLICATION (INCLUDES BRACKET, REQUIRES AC LINE CORD)	$200.00
3087791G01	POWER CORD, US PLUG	$20.00
PMLN7771A	SLR 1000 AC POWER ADAPTOR FOR OUTDOOR APPLICATION (HARD WIRE)	$400.00
Mounting Accessories:		
PMLN7213A	SLR 1000 Pole Mount Adaptor Kit (Fits poles 2-2.75")	$150.00

Premium System Software: SAME SOFTWARE LICENSES AS SLR 5700

Premium Software Features included in Essential SW & Repair Services	SLR 1000
Enhanced GPS	5 Years
Digital Voting	5 Years
Dynamic Mixed Mode	5 Years
IP Repeater Programming	5 Years

HKLN4427	Capacity Plus Single Site Digital Trunking	$1,917.00
HKVN4089	Linked Capacity Plus Upgrade from Capacity Plus -	$3,835.00
HKVN4099	Linked Capacity Plus New System Deployment -	$5,750.00
HKVN4324	Capacity Max Repeater License	$6,900.00
HKVN4242	Digital Voting Operation	$1,438.00
HKLN4442	RDAC Multiple System Monitoring Upgrade License	$250.00
HKLN4456	Dynamic Mixed Mode Upgrade License (Analog & Digital Automatic Call Switching)	$288.00
HKVN4048**	Enhanced Scheduled GPS License	$863.00
HKVN4177*	Restricted Access to System Security	$0.00
HKVN4047	IP Repeater Programming and Upgrade License	
	Activate in the MOTOTRBO CPS 6.0 or later. Once activated, the CPS can connect to an unlimited number of repeaters, one at a time.	
HKVN4049**	Digital Telephone Interconnect Upgrade	$671.00
HKVN4205*	Data Network Application Interface (IP Wireline Data Gateway)	$863.00
HKVN4206*	Voice Network Application Interface (IP Wireline Voice Gateway) for use with AVTEC SCOUT and WAVE	$288.00
HKVN4488	Extended Range Direct Mode Operation	$460.00

* These System level options must be used to enable the corresponding feature in All Repeaters in the Radio system: both voice and data revert.

** These software options are to be enabled only in the Repeaters that will support the specific feature (e.g. Enhanced GPS in the Data Revert Repeaters and Telephone Interconnect in the voice Repeater that is connected to the phone patch box and Digital Voting Only in the Voting Repeater).

Service, Programming Accessories and Cables: (SAME CPS/PROGRAMMING CABLE AS SLR 5700 - NEW TEST CABLE ADAPTER)		
RVN5115AN	Portable, Mobile and Repeater Customer Programming Software (CPS) Package:	$299.00
	Software Package includes Radio Management, CPS, Air Tracer, Tuner and the MOTOTRBO System Planner. 3 Year Subscription Package Software is compatible with Windows XP & Windows Vista (Home and Professional Versions); support for Windows 2000 ended 6/30/09. Portables require PMKN4012 or PMKN4013 Programming Cable - Mobiles and Repeaters require HKN6184, PMKN4010 or PMKN4016 Programming Cables. Note: Software requires a license agreement and is not intended for resale.	
CB000174A02	SLR 1000 STATION ACCY TEST CABLE ADAPTER	CALL
PMKN4166	Test Cable (for test box and external speaker. Requires CB000174A02 adapter for SLR 1000)	CALL
30009477001	Repeater Programming Cable (USB A TO USB B)	CALL
PMLN7265AS	SLR 1000 Miscellaneous Hardware Kit (Spare plugs and seals)	CALL

General Accessories:		
MN003557A01	MOTOTRBO SLR 1000 Repeater Basic Service and Installation Manual (PDF ONLY) - NAG	N/C
MN003581A01	MOTOTRBO SLR 1000 Series Quick Start Guide (PDF ONLY) - NAG	N/C

US VERSION

				SLR 8000		8/900 MHz Now Available to Order!!	
				REPEATERS		Shipments begin Mid-August	
RESELLER PRICES				**12.5 kHz**			

Each SLR 8000 Includes:
- 120V AC Power Cord
- 5 Year Essential Repair and Software
- Quick Start Guide

Features:
- 1-100W transmit power
- Integrated 5A battery charger
- Supports Two Simultaneous Voice Paths in Digital TDMA Mode
- Operates in Analog or Digital Mode
- Supports all MOTOTRBO system architectures
- Remote Diagnostics Alarms and Controls (RDAC)
- 100% Continuous Duty Cycle
- Internal Power Supply
- Rack Mountable
- Automated Battery Back-up (Battery sold separately)

***Please also see the list of available Premium Software feature o**

MODEL NUMBER	PWR	DESCRIPTION				MSRP	
T8319	1-100W	SLR 8000 Base Radio				$4,485.00	

FCC INFORMATION: UHF: ABZ99FT4098, VHF: ABZ99FT3095, 8/900 MHz: ABZ99FT5101
You must specify a Transmit (TX) and Receive (RX) frequency at time of order. Please see the SLR 8000 ordering guide available on MOL for specific frequency-
https://businessonline.motorolasolutions.com/DOCS/US/ProductInformation_Manuals_Two-WayBaseStations-Repeaters_SLR8000/SLR%208000%20US%20Ordering%20Guide%20MOL.pdf

					REQUIRED		
SELECT FREQUENCY OPTION:		DESCRIPTION				MSRP	
CA02965AA		ADD: VHF (136-174 MHz)				$4,140.00	
CA02962AA		ADD: UHF1 (400-470 MHz)				$4,140.00	
CA03385AA		ADD: 800 MHz				$4,370.00	
CA03414AA		ADD: 900 MHz				$4,370.00	
					OPTIONAL		
OPTIONAL CONFIGURATIONS:		DESCRIPTION				MSRP	

The following configuration steps are optional. Select those you are interested in receiving.

Duplexer - If a duplexer is ordered, you MUST order a preselector

CA02984AA		ADD : DUPLEXER, UHF (403-435MHz)				$1,380.00	
CA02985AA		ADD : DUPLEXER, UHF (435-470MHz)				$1,380.00	
CA02981AA		ADD : DUPLEXER, VHF (136-146 MHz)				$1,380.00	
CA02982AA		ADD : DUPLEXER, VHF (144-160 MHz)				$1,380.00	
CA02983AA		ADD : DUPLEXER, VHF (158-174 MHz)				$1,380.00	
CA03386AA		ADD: DUPLEXER, 800 MHz				$1,380.00	

Preselector - If a duplexer is ordered, you MUST order a preselector

CA02989AA		ADD: PRESELECTOR, UHF (350-470MHZ)				$500.00	
CA02986AA		ADD: PRESELECTOR, VHF (136-154MHZ)				$500.00	
CA02987AA		ADD: PRESELECTOR, VHF (150-174MHZ)				$500.00	

External Circulator - If an external circulator is ordered, you MUST also order wireline

CA02991AA		ADD: CIRCULATOR, UHF (403-470 MHz)				$1,500.00	
CA02992AA		ADD: CIRCULATOR, VHF (136-146 MHz)				$1,500.00	
CA02993AA		ADD: CIRCULATOR VHF (144-160MHz)				$1,500.00	
CA02994AA		ADD: CIRCULATOR VHF (158-174MHz)				$1,500.00	
CA03387AA		ADD: CIRCULATOR 800 MHz				$1,000.00	

Antenna Relay - If an antenna relay is ordered, you MUST also order the wireline

CA02995AA		ADD: ANTENNA RELAY				$250.00	

Wireline - If an antenna relay, circulator or Spectra TAC has been ordered, you MUST also order the wireline

CA02996AA		ADD: WIRELINE				$400.00	

Power Cable - US AC power cord is included in the standard package, the below options will replace the US standard power cord

CA02968AA		ADD : POWER CABLE, EUROPE				N/C	
CA02969AA		ADD : POWER CABLE, UK				N/C	
CA02970AA		ADD: POWER CABLE, AUSTRALIA				N/C	
CA02972AA		ADD: POWER CABLE BRAZIL				N/C	

DC Power Cable

CA02971AA		ADD : POWER CABLE, DC				$25.00	

Interface Cables

CA02977AA		ADD: AUXILIARY SYSTEM CABLE				$50.00	
CA02978AA		ADD: COMMUNITY REPEATER PANEL CABLE				$50.00	
CA02979AA		ADD: ANALOG/DIGITAL PHONE PATCH CABLE				$50.00	

Factory Test Report

CA03040AA		ADD: SLR 8000 FACTORY TEST REPORT				N/C	

Miscellaneous

CA03000AA		ADD: BASE STATION OPERATION				N/C	
CA03041AA		ADD: SLR 8000 BSIM CD				N/C	

Spectra TAC - If Spectra TAC is ordered, you MUST also order the wireline						
CA02999AA		ENH: SPECTRA TAC			$150.00	
For technical training on Motorola products, please visit:						
https://learning.motorolasolutions.com/						

US VERSION

			SLR 8000			
			REPEATER			
RESELLER PRICES			ACCESSORIES			
MODEL NUMBER			DESCRIPTION		**MSRP**	

Premium System Software:

Use the part numbers below to purchase Premium Software feature Entitlement ID's (EID) for the SLR 8000 repeaters. You will receive the EID via an e-mail. Use the MOTOTRBO RVN5115 CPS to register the serial number and activate the specific feature in the firmware of the desired unit. Internet connection is required during the registration, but the activation can be done offline.

Note: MOTOTRBO Premium Software Licenses are NOT transferrable from one device to another. Once a software feature has been registered and activated in a radio/repeater, it can NOT be transferred to another radio/repeater. The SLR 800 repeaters contain an integrated Chassis ID module which retains the MOTOTRBO Premium Software features that were enabled on the unit. Servicing and replacing service FRU's will not require replacement licenses. Any extraordinary considerations for a replacement license on these models would require a call to Technical Support at 800-927-2744. Premium system software part numbers for the SLR 8000 are the same as the MTR 3000 series.

Premium Software Features Included in Essential SW & Repair Services (NEW PURCHASES)			SLR 8000			
Enhanced GPS			5 Years			
Digital Voting			5 Years			
Dynamic Mixed Mode			5 Years			
IP Repeater Programming			5 Years			
HKLN4439*	Capacity Plus Single Site Digital Trunking				$1,917.00	
HKVN4112*	Linked Capacity Plus Upgrade from Capacity Plus -				$3,835.00	
HKVN4110*	Linked Capacity Plus New System Deployment -				$5,750.00	
HKVN4324*	Capacity Max Repeater License				$6,900.00	
HKVN4243**	Digital Voting Operation				$1,438.00	
HKLN4442	RDAC Multiple System Monitoring Upgrade License				$250.00	
HKVN4044	Dynamic Mixed Mode Upgrade License (Analog & Digital Automatic Call Switching)				$288.00	
HKVN4055**	Enhanced Scheduled GPS License				$863.00	
HKVN4178*	Restricted Access to System Security				$0.00	
HKVN4047	IP Repeater Programming and Upgrade License				$288.00	
	Activate in the MOTOTRBO CPS 6.0 or later. Once activated,CPS can connect to an unlimited number of repeaters, one at a time.					
HKVN4066**	Digital Telephone Interconnect Upgrade				$583.35	
HKVN4366A	Digital Local Audio				$288.00	
HKVN4208*	Data Network Application Interface (IP Wireline Data Gateway)				$863.00	
HKVN4209*	Voice Network Application Interface (IP Wireline Voice Gateway) for use with AVTEC SCOUT and WAVE				$288.00	

* These System level options must be used to enable the corresponding feature in All Repeaters in the Radio system: both voice and data revert.

** These software options are to be enabled only in the Repeaters that will support the specific feature (e.g. Enhanced GPS in the Data Revert Repeaters and

Telephone Interconnect in the voice Repeater that is connected to the phone patch box and Digital Voting Only in the Voting Repeater).

Service, Programming Accessories and Cables:

RVN5115	Portable, Mobile and Repeater Customer Programming Software (CPS) Package - DVD disk and MOL download. Software Package includes CPS, Air Tracer, Tuner, RDAC, MNIS MCDD, DDMS and the MOTOTRBO System Planner. 3 Year Subscription. Note: Software requires a license agreement and is not intended for resale.					
HKVN4362	Portable, Mobile and Repeater Customer Programming Software (CPS) Package - MOL download only version. Software Package includes CPS, Air Tracer, Tuner, RDAC, MNIS MCDD, DDMS and the MOTOTRBO System planner. 3 year Subscription. Note: Software requires a license agreement and is not intended for resale.					
30009477001	Repeater Programming Cable (USB A TO USB B)				Call for Pricing	
PMKN4166	Test Cable (for test box and external speaker)				Call for Pricing	
RLN4460	Test Box for Portables and Mobiles				Call for Pricing	
GMMN4063	Service Mic				Call for Pricing	
3082933N08	120V AC Line Cord				Call for Pricing	
PMKN4167	Battery Back-up Cable				Call for Pricing	

Network Devices:

DSJG411AABA	HP MSR2003 AC ROUTER				$767.00	
DSHPJ9782A	HP Procurve 2530-24 Ethernet Switch (Available to order via MOL only)				$356.00	

Infrastructure Repair:

Infrastructure Repair service covers all Motorola-manufactured equipment, as well as equipment from select third-party infrastructure vendors when applicable.

Factory trained and certified technicians troubleshoot, analyze, test, and repair your equipment at Motorola's Infrastructure Depot Operations (IDO).

Upon completion, the repaired unit will be shipped via normal shipping methods. Motorola will pay for outbound shipping via Motorola's normal shipping methods.

For more information, contact your Motorola representative or your Motorola Customer Support Manager.

Infrastructure Repair
http://ecat.comm.mot.com/ecat/pricebooks/dup/infrep2.htm

Infrastructure Repair with Advanced Replacement:											
Infrastructure Repair with Advanced Replacement service covers all Motorola-manufactured equipment, as well as equipment from select third-party infrastructure vendors when applicable. Factory trained and certified technicians troubleshoot, analyze, test, and repair your equipment at Motorola's Infrastructure Depot Operations (IDO). When available, Motorola will provide Customer with an Advanced Replacement unit(s) or FRU(s) in exchange for Customer's malfunctioning FRU(s). Non-standard configurations, Customer-modified Infrastructure and certain third party Infrastructure are excluded from Advanced Replacement service. Malfunctioning FRU (s) will be evaluated and repaired by IDO and returned to IDO FRU inventory upon completion of repair. Motorola will pay the inbound shipping charges only with use of the Motorola's designated delivery service. Motorola will also pay for outbound shipping via Motorola's normal shipping methods.											
Infrastructure Repair with Advanced Replacement											
http://ecat.comm.mot.com/ecat/pricebooks/dup/infrep.htm											

The MTR3000 is a robust, high powered base station / repeater that offers reliability, future expandability, and the ease of migration from analog to digital technology. It integrates voice and data seamlessly, offers enhanced features that are easy to use and delivers increased capacity while the MTR3000 satellite receiver model helps enhance analog coverage. So no matter your needs, the MTR3000 provides a flexible communication solution from the field to the factory floor.

GENERAL INFORMATION:

High Powered Performance :

Minimal cabling and rack space

Digital Operation support for MOTOTRBO Conventional, IP Site Connect, Capacity Plus, Linked Capacity Plus, and Connect Plus

Analog Operation supports Conventional, LTR/Passport Trunking Systems

Serviceability:

Supports Remote or Local monitoring of system performance with Repeater Diagnostic Control Software (RDAC)

Modular based design allows for quick replacement of components with functionally separate Field Replaceable Units (FRU's)
when needed.

Direct access to service ports via the front panel

Two Year standard warranty

Added Functionality

Supports Dispatch capability via the MIP 5000 VoIP console

Digital Telephone Interconnect capability

Transmit Interrupt Suite

Analog Wireline capability enabling Integrated Tone Remote Control and DC Remote Control functionality with balanced audio. Must upgrade backplane

Voting Capability with the MOTOBRIDGE VGU as well as the legacy Spectra-Tac and DIGITAC comparator. Must upgrade backplane

Added Functionality

Supports Dynamic Mixed Mode to streamline automatic switching from analog to digital calls

Convert the MTR2000 to MTR3000 with minimal time and money investment with the MTR2000 Digital Upgrade Kit

RESOURCES:

Spec Sheet MOL Resource Center Print On Demand

Product Planner MOL Resource Center > Product Information> Systems > MOTOTRBO

MTR3000 Sales Guide (MOL Resource Center)

ORDERING REQUIREMENTS:

The MTR2000 Digital Upgrade Kit comes standard with the following

MTR3000 Exciter

MTR3000 Receiver

MTR3000 Station Control Module

MTR3000 Front Bezel

TORX Screws

MTR3000 FCC Upgrade Label

MTR2000 Digital Upgrade Kit Quick Reference Guide

MTR3000 Basic Service & Install Manual

Standard Two Year Warranty on the MTR3000 Exciter, Receiver and Control Board

DUE TO THE COMPLEX NATURE OF CERTAIN ORDERABLE OPTION CONFIGURATIONS WE STRONGLY RECOMMEND REVIEW OF THE PRODUCT PLANNER SALES ORDERING GUIDE BEFORE PLACING ORDERS.

The Main line item T2003A must be ordered.

The exact customer frequencies must be ented at the time of order. Frequency selection option also mandatory

US VERSION

MTR2000 MOTOTRBO™ UPGRADE
VHF & UHF, 800/900 MHz
SUGGESTED RETAIL
OPTIONS

MODEL	DESCRIPTION	MSRP
T2003	MTR2000 MOTOTRBO Upgrade	$500.00

SELECT FREQUENCY OPTION:

X450MT	ADD: 800MHz 100W Power (806-870)	$3,600.00
X460MT	ADD: 900MHz 100W Power (896-941)	$3,600.00
	*For UHF/VHF, supports both low power and high power MTR2000	

Software:

RVN5115	Portable, Mobile and Repeater Customer Programming Software (CPS) Package - DVD disk and MOL download. Software Package includes CPS, Air Tracer, Tuner, RDAC, MNIS MCDD, DDMS and the MOTOTRBO System Planner. 3 Year Subscription. Note: Software requires a license agreement and is not intended for resale.	$299.00
HKVN4362	Portable, Mobile and Repeater Customer Programming Software (CPS) Package - MOL download only version. Software Package includes CPS, Air Tracer, Tuner, RDAC, MNIS MCDD, DDMS and the MOTOTRBO System planner. 3 year Subscription. Note: Software requires a license agreement and is not intended for resale.	$169.00
DDN9957	HI-SPEED USB CABLE 6FT (TYPE A -B)	$20.00

Premium System Software:

Use the part numbers below to purchase Premium Software feature Entitlement ID's (EID) for the MTR2000 upgraded repeaters. You will receive the EID via an e-mail. Use the MOTOTRBO RVN5115 CPS to register the serial number and activate the specific feature in the firmware of the desired unit. Internet connection is required during the registration, but the activation can be done offline.

Note: MOTOTRBO Premium Software Licenses are NOT transferrable from one device to another. Once a software feature has been registered and activated is a radio, it can NOT be transferred to another radio. If a radio unit is sent for repairs to a Motorola Solutions repair service depot, and the unit is readable with CPS, it will returned back with the same features enabled as it had originally. If the radio cannot be read with CPS< it will be returned from the repair depot with only the factory default settings since the depot cannot verify the features originally enabled. In this case, a call to Technical Support at 800-927-2744 will be required to request a replacement license.

HKVN4044**	Dynamic Mixed Mode Software Upgrade	$288.00
HKLN4439*	Capacity Plus Repeater License	$1,917.00
HKVN4110*	Linked Capacity Plus New System Deployment	$5,750.00
HKVN4112*	Linked Capacity Plus Upgrade from Capacity Plus	$3,835.00
HKVN4055**	Enhanced GPS	$863.00
HKVN4178*	Restricted Access to System Security	$0.00

 * These System level options must be used to enable the corresponding feature in All Repeaters in the Radio system: both voice and data revert.

 ** These software options are to be enabled only in the Repeaters that will support the specific feature (e.g. Enhanced GPS in the Data Revert Repeaters and Telephone Interconnect in the voice Repeater that is connected to the phone patch box).

Peripherals:	Existing peripherals that are being utilized for the MTR2000 can retrofit the MTR3000 once it is upgraded. There is no need to purchase a new Duplexer, Preselector or Circulator or Antenna Relay.

Kit & Accessories: MTR3000 Field Replaceable Units (FRUs)

All Field Replacement Units (FRUs) are available through Customer Care and Service Division (RPSD) 1-800-927-2744.

FRU MTR3000:

DLN6703	FRU UHF 403-470 MHz, EXCITER	$1,500.00
DLN6705	FRU UHF 403-470 MHz, RECEIVER	$1,500.00
DLN6707	FRU: MTR3000 AC/DC POWER SUPPLY	$1,000.00
DLN6715	FRU 800/900 MHZ EXCITER	$1,500.00
DLN6716	FRU 800/900 MHZ RECEIVER	$1,500.00
DLN6712	FRU VHF 136-174 EXCITER	$1,500.00
DLN6713	FRU VHF 136-174 RECEIVER	$1,500.00
DLN6720	FRU: 4 WIRELINE BOARD	$450.00
DLN6721	FRU: BACKPLANE	$67.00

CONTROL/WIRELINE/MISCELLANEOUS FRU MTR3000s:

DLN6719	FRU STATION CONTROL TCXO FOR VHF AND UHF	$1,300.00
DLN6718	FRU STATION CONTROL OCXO FOR 800/900 MHz	$1,600.00

US VERSION

MTR2000 MOTOTRBO™ UPGRADE
VHF & UHF, 800/900 MHz
SUGGESTED RETAIL
ACCESSORIES

MODEL	DESCRIPTION	MSRP

MICROPHONES/SPEAKERS/TEST CABLE:

HSN1006	EXTERNAL SPEAKER	$104.00
0185180U01	CABLE FOR EXTERNAL SPEAKER	$18.25
GMMN4063*	SERVICE MIC	$72.00
	*The Upgraded MTR2000 requires the use of the GMMN4063 service microphone	
30009493001	RECEIVER AUDIO TEST CABLE	$65.25

CABINETS/RACKS & HARDWARE

CLN6679	RACK MOUNT HARDWARE	$50.00

				SLR 5700					
				REPEATERS					
RESELLER PRICE PAGES				**12.5 kHz**					

Each SLR 5700 Includes:
- 120V AC Power Cord
- 5 Year Essential Repair and Software
- Quick Start Guide

Features:
- 1-50W transmit power
- Integrated 3A battery charger
- Supports Two Simultaneous Voice Paths in Digital TDMA Mode
- Operates in Analog or Digital Mode
- Supports all MOTOTRBO system architectures
- Remote Diagnostics Alarms and Controls (RDAC)
- 100% Continuous Duty Cycle
- Internal Power Supply
- Rack Mountable
- Wall-mount Kits Sold Separately
- Automated Battery Back-up (Battery sold seperately)
- IP Site Connect (Digital Mode Only)

Frequencies Not Allowed for SLR 5700:

Frequencies Not Allowed for SLR 5700:

N/A - there are no self quieting frequencies on the SLR5700 models

N/A - there are no self quieting frequencies on the SLR5700 models

*Please also see the list of available Premium Software feature options below which must be purchased in addition to the repeater.

BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL			MSRP	
136-174 MHz	VHF	1-50W	1	AAR10JCGANQ1AN			$3,565.00	
403-470 MHz	UHF	1-50W	1	AAR10QCGANQ1AN			$3,680.00	
450-512 MHz	UHF2	1-50W	1	AAR10TCGANQ1AN			$3,680.00	

FCC INFORMATION: UHF: ABZ99FT4096, VHF: ABZ99FT3094, UHF2: ABZ99FT4097

For technical training on Motorola products, please visit:

https://learning.motorolasolutions.com/

US VERSION

SLR 5700
REPEATER
ACCESSORIES

MODEL NUMBER	DESCRIPTION			MSRP	
Premium System Software:					

Use the part numbers below to purchase Premium Software feature Entitlement ID's (EID) for the SLR 5700 repeaters. You will receive the EID via an e-mail. Use the MOTOTRBO RVN5115 CPS to register the serial number and activate the specific feature in the firmware of the desired unit. Internet connection is required during the registration, but the activation can be done offline.

Note: MOTOTRBO Premium Software Licenses are NOT transferrable from one device to another. Once a software feature has been registered and activated in a radio/repeater, it can NOT be transferred to another radio/repeater. The SLR 5700 repeaters contain an integrated Chassis ID module which retains the MOTOTRBO Premium Software features that were enabled on the unit. Servicing and replacing service FRU's will not require replacement licenses. Any extraordinary considerations for a replacement license on these models would require a call to Technical Support at 800-927-2744. Premium system software part numbers for the SLR 5700 are the same as the XPR8400 series.

Premium Software Features included in Essential SW & Repair Services (NEW PURCHASES)	SLR 5700	
Enhanced GPS	5 Years	
Digital Voting	5 Years	
Dynamic Mixed Mode	5 Years	
IP Repeater Programming	5 Years	

MODEL NUMBER	DESCRIPTION			MSRP	
HKLN4427*	Capacity Plus Single Site Digital Trunking			$1,917.00	
HKVN4089*	Linked Capacity Plus Upgrade from Capacity Plus -			$3,835.00	
HKVN4099*	Linked Capacity Plus New System Deployment -			$5,750.00	
HKVN4324*	Capacity Max Repeater License			$6,900.00	
HKVN4242**	Digital Voting Operation			$1,438.00	
HKLN4442	RDAC Multiple System Monitoring Upgrade License			$250.00	
HKLN4456	Dynamic Mixed Mode Upgrade License (Analog & Digital Automatic Call Switching)			$288.00	
HKVN4048**	Enhanced Scheduled GPS License			$863.00	
HKVN4177*	Restricted Access to System Security			$0.00	
HKVN4047	IP Repeater Programming and Upgrade License			$288.00	
	Activate in the MOTOTRBO CPS 6.0 or later. Once activated,CPS can connect to an unlimited number of repeaters, one at a time.				
HKVN4049**	Digital Telephone Interconnect Upgrade			$671.00	
HKVN4205*	Data Network Application Interface (IP Wireline Data Gateway)			$863.00	
HKVN4206*	Voice Network Application Interface (IP Wireline Voice Gateway) for use with AVTEC SCOUT and WAVE			$288.00	
HKVN4488	Extended Range Direct Mode Operation NEW R2.7.1!!			$460.00	
* These System level options must be used to enable the corresponding feature in All Repeaters in the Radio system: both voice and data revert.					
** These software options are to be enabled only in the Repeaters that will support the specific feature (e.g. Enhanced GPS in the Data Revert Repeaters and					
Telephone Interconnect in the voice Repeater that is connected to the phone patch box and Digital Voting Only in the Voting Repeater).					
Crescend Power Amplifiers: * Available to order via MOL only *** Frequency is required at time of order**					
DSP1020MOVC5	P10 SERIES Amplifier, 136-174MHZ, 20-50W Input, 100W Output, 23A Current Draw			$1,670.00	
	Replacement for RDD5565A, RDD5563A, RDD5548A, RDD5564A. Requires R1685 or RDN9900 Power Supply				
DSP1020MOUC5	P10 SERIES Amplifier, 406-512MHZ, 20-50W Input, 100W Output, 23A Current Draw			$1,915.00	
	Replacement for RDE6067A, RDE6068A, RDE6069A, RDE6106A, RDE6105A. Requires R1685 or RDN9900 Power Supply				
DSRM60M	RM60M Astron Power Supply, 13.8VDC, 50A Continuous, 55A ICS			$686.00	
DSRM50M	RM50M Astron Power Supply, 13.8VDC, 37A Continuous, 50A ICS			$516.00	
CDQRDN9900	DPS-30 Duracomm, Filtered Power Supply, 13.8VDC, 30A Max			$314.00	
DSP1020MOUPS	P10 SERIES, C5 Amplifier, 406-512MHZ, 20-50W Input, 100W Ooutput, 13.8DC / 110AC			$2,458.00	
	Includes an integrated 110V AC Power Supply; Frequency is required at time of order				

Duplexers - All duplexers have female type "N" connectors.

Untuned Duplexers (for use with standard repeater) - Requires Tuning in the Field

HFD8188	VHF Duplexer, 144-155 MHz (minimum & maximum freq. separation 4.5 MHz/6 MHz)		$722.00
HFD8189	VHF Duplexer, 155-162 MHz (minimum & maximum freq. separation 4.5 MHz/6 MHz)		$611.00
HFD8190	VHF Duplexer, 162-174 MHz (minimum & maximum freq. separation 4.5 MHz/6 MHz)		$611.00
DSCP10725UNTUNED	UHF Duplexer - Untuned 406-500 MHz (N-female 4-8 MHz spacing) Pre-tuned 460 MHz (Low) and 465 MHz (High)		$463.00
	Tuning instructions are included in the shipment and must be followed in order to keep the warranty in place		
HFE8400	UHF Duplexer, 406-450 MHz (minimum & maximum freq. separation 5 MHz)		$571.00

Untuned Duplexers (for use with 100 Watt power amplifiers) - Requires Tuning in the Field

9175300H01	VHF Duplexer (RoHS) 132-146MHz (5MHz separation RX or TX)		$1,380.00
9175300H02	VHF Duplexer (RoHS) 144-160MHz (5MHz separation RX or TX)		$1,415.00
9175300H03	VHF Duplexer (RoHS) 158-174MHz (5MHz separation RX or TX)		$1,380.00
9175300H05	UHF Duplexer (RoHS) 403-435MHz (5MHz separation RX or TX)		$2,170.00
9175300H06	UHF Duplexer (RoHS) 435-470MHz (5MHz separation RX or TX)		$1,415.00

Tuned Duplexers (for use with standard repeater) - Must Specify Frequency for Tuning

HFD8465	VHF Duplexer, 150-160 MHz (minimum & maximum freq. separation 4.5 MHz/6 MHz)		$611.00
DSCP10725TUNED	UHF Duplexer - Tuned 406-500 MHz (N-female 4-8 MHz spacing)		$463.00

Duplexer Cables - An N-Type Male to N-Type Male and N-Type Male to BNC Male cables are needed to connect the XPR8300 to a Duplexer

0112004B04	N - Type Male to N - Type Male 24" (to connect repeater to external duplexer or preselector)		$113.30
0112004U04	N - Type Male to BNC Male 24" (to connect repeater to external duplexer or preselector)		$79.20
3082081X01	Right angle N-Type Male to straight N-Type Male 30" (to connect 100W PA to external duplexer/preselector)		$48.50

Antennas- Contact Dealer Support Services for antennas

Mounting Accessories:

PMLE5031	Wall Mount Bracket Kit		$135.99
PMLE4548	Rack Mount Duplexer/Filter Enclosure Kit (includes mounting screws)		$177.38

Preselectors:

HFD8461	VHF Preselector, 144-160 MHz		$336.00
HFD8462	VHF Preselector, 160-174 MHz		$336.00
HFE8459	UHF Preselector, 440-474 MHz		$507.10

To order Preselectors TUNED, place your order through Customer Care Services at 800-422-4210.

To order Preselectors UN-TUNED, order directly through Customer Care Services. Preselectors must be mounted externally when using an XPR™ 8300 Repeater.

All preselectors have female type "N" connector. A type "N" male to male connector is required for proper operation (0112004B04 or 0112004U04). The length of the cable depends on your application. Call Customer Care Services to find a cable for your individual application or for additional preselector options.

US VERSION

SLR 5700
REPEATER

ACCESSORIES

MODEL NUMBER	DESCRIPTION	MSRP
Lightning Protection Recommendation Accessories:		
DSISB50LNC2	RF SPD, 125-1000MHZ DC BLOCK BROADBAND BULKHEAD MT, NF ANT, NF EQUIP	$84.00
Coaxial Cable In-Line Arrestors:		
RRX4032	Tower Mounting Hardware for Lightning Arrestor	$15.00
DSISB50LNC2MA	RF SPD, 125-1000MHZ DC BLOCK BROADBAND BULKHEAD MT, NM ANT, NF EQUIP	$84.00
Service, Programming Accessories and Cables:		
RVN5115	Portable, Mobile and Repeater Customer Programming Software (CPS) Package - DVD disk and MOL download. Software Package includes CPS, Air Tracer, Tuner, RDAC, MNIS MCDD, DDMS and the MOTOTRBO System Planner. 3 Year Subscription. Note: Software requires a license agreement and is not intended for resale.	$299.00
HKVN4362	Portable, Mobile and Repeater Customer Programming Software (CPS) Package - MOL download only version. Software Package includes CPS, Air Tracer, Tuner, RDAC, MNIS MCDD, DDMS and the MOTOTRBO System planner. 3 year Subscription. Note: Software requires a license agreement and is not intended for resale.	$169.00
30009477001	Repeater Programming Cable (USB A TO USB B)	Call for Pricing
Service, Programming Accessories and Cables (continued):		
PMKN4166	Test Cable (for test box and external speaker)	Call for Pricing
RLN4460	Test Box for Portables and Mobiles	Call for Pricing
HSN1006	External Speaker	Call for Pricing
GMMN4063	Service Mic	Call for Pricing
PMKN4167	Battery Back-up Cable	Call for Pricing
Network Devices:		
DSJG411	HP MSR2003 AC ROUTER	$767.00
DSHPJ9782A	HP Procurve 2530-24 Ethernet Switch (Available to order via MOL only)	$356.00
General Accessories:		
MN001436A01	MOTOTRBO SLR Repeater Basic Service and Installation Manual (PDF ONLY)	N/C
MN001443A01	MOTOTRBO SLR 5000 Series Quick Start Guide (PDF ONLY)	N/C
6880309T12	MOTOTRBO System Planner	$30.00
3087791G01	120V AC Line Cord	$20.00
Infrastructure Repair:		
Infrastructure Repair service covers all Motorola-manufactured equipment, as well as equipment from select third-party infrastructure vendors when applicable.		
Factory trained and certified technicians troubleshoot, analyze, test, and repair your equipment at Motorola's Infrastructure Depot Operations (IDO).		
Upon completion, the repaired unit will be shipped via normal shipping methods. Motorola will pay for outbound shipping via Motorola's normal shipping methods.		
For more information, contact your Motorola representative or your Motorola Customer Support Manager.		
Infrastructure Repair		
http://ecat.comm.mot.com/ecat/pricebooks/dup/infrep2.htm		
Infrastructure Repair with Advanced Replacement:		
Infrastructure Repair with Advanced Replacement service covers all Motorola-manufactured equipment, as well as equipment from select third-party infrastructure vendors when applicable. Factory trained and certified technicians troubleshoot, analyze, test, and repair your equipment at Motorola's Infrastructure Depot Operations (IDO). When available, Motorola will provide Customer with an Advanced Replacement unit(s) or FRU(s) in exchange for Customer's malfunctioning FRU(s). Non-standard configurations, Customer-modified Infrastructure and certain third party Infrastructure are excluded from Advanced Replacement service. Malfunctioning FRU (s) will be evaluated and repaired by IDO and returned to IDO FRU inventory upon completion of repair. Motorola will pay the inbound shipping charges only with use of the Motorola's designated delivery service. Motorola will also pay for outbound shipping via Motorola's normal shipping methods.		
Infrastructure Repair with Advanced Replacement		
http://ecat.comm.mot.com/ecat/pricebooks/dup/infrep.htm		

US VERSION

XPR™8380 / XPR™8400
REPEATERS

RESELLER PRICES   **12.5 kHz**

Each XPR 8300 Includes:

*Please also see the list of available Premium Software feature options below which must be purchased in addition to the repeater.

- 120V AC Power Cord
- 5 Year Essential Repair and Software

The following frequencies are supported by XPR8380 Dual Band

RECEIVE	TRANSMIT
806.01	851.013
807.5125	852.513
808.0125	853.013
809.000 - 820.9875 @5Hz incr	854.000 - 865.9875 @5Hz incr
821.01	866.013
821.51	866.513
822.51	867.513
823.01	868.013
824.000 - 825.000 @5Hz incr	869.000 - 870.000 @5Hz incr
896.000 - 902.000 @5Hz incr	935.000 - 941.000 @5Hz incr

FEATURES:
- 100% Continuous Duty
- Supports Two Simultaneous Voice Paths in Digital TDMA Mode
- Operates in Analog or Digital Mode
- IP Site Connect (Digital Mode only)
- Remote Diagnostics Alarms and Controls (RDAC)
- Internal Power Supply
- Rack Mountable
- Wall-mount Kits Sold Separately
- Automated Battery Back-up (battery sold seperately)
- XPR 8400 12.5 kHz only Channel Spacing

BAND SPLIT	BAND	PWR	CHAN	CATALOG MODEL	MSRP
XPR8380					
806-870MHz & 896-941MHz	800MHz/ 900MHz	10-35W	1	AAM27UMR9JA7AN (XPR8380 32 MB) Dual Band	$3,335.00

FCC INFORMATION: UHF 25W: AB99FT4026, UHF 40W: ABZ99FT4025, VHF 25W: ABZ99FT3026, VHF 45W: ABZ99FT3025, UHF2: ABZ99FT4027, 800 MHz ABZ99FT5029, 900 MHz ABZ99FT6001

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US VERSION

XPR™8380 / XPR™8400
REPEATER
RESELLER PRICES   **ACCESSORIES**

MODEL NUMBER	DESCRIPTION	MSRP
Premium System Software:		

Use the part numbers below to purchase Premium Software feature Entitlement ID's (EID) for the XPR8380 and XPR8400 repeaters. You will receive the EID via an e-mail. Use the MOTOTRBO RVN5115 CPS to register the serial number and activate the specific feature in the firmware of the desired unit. Internet connection is required during the registration, but the activation can be done offline.

Note: MOTOTRBO Premium Software Licenses are NOT transferrable from one device to another. Once a software feature has been registered and activated is a radio, it can NOT be transferred to another radio. If a radio unit is sent for repairs to a Motorola Solutions repair service depot, and the unit is readable with CPS, it will returned back with the same features enabled as it had originally. If the radio cannot be read with CPS< it will be returned from the repair depot with only the factory default settings since the depot cannot verify the features originally enabled. In this case, a call to Technical Support at 800-927-2744 will be required to request a replacement license.

Premium Software Features included in Essential SW & Repair Services	XPR 8380
Enhanced GPS	5 Years
Digital Voting	5 Years
Dynamic Mixed Mode	5 Years
IP Repeater Programming	5 Years

Model	Description	MSRP
HKLN4427*	Capacity Plus Single Site Digital Trunking	$1,917.00
	Note: Use this part number to purchase Entitlement ID's (EID) to Register and Activate the Capacity Plus trunking in XPR 8300 and XPR 8400 repeaters. You will receive the EID via an e-mail. Register the Serial Numbers of the units, to be upgraded, and Activate the trunking via the RVN5115 MOTOTRBO CPS. Internet connection is required during the registration, but the activation can be done offline.	
HKVN4089*	Linked Capacity Plus Upgrade from Capacity Plus - Requires a 32MB repeater + XPR8380 0r XPR8400	$3,835.00
HKVN4099*	Linked Capacity Plus New System Deployment - Requires a 32MB repeater + XPR8380 0r XPR8400	$5,750.00
HKVN4324*	Capacity Max Repeater License	$6,900.00
HKVN4242**	Digital Voting Operation	$1,438.00
HKLN4442	RDAC Multiple System Monitoring Upgrade License	$250.00
HKLN4456	Dynamic Mixed Mode Upgrade License (Analog & Digital Automatic Call Switching)	$288.00
HKVN4048**	Enhanced Scheduled GPS License	$863.00
HKVN4177*	Restricted Access to System Security	$0.00
HKVN4047	IP Repeater Programming and Upgrade License	$288.00
	Activate in the MOTOTRBO CPS 6.0 or later. Once activated, the CPS can connect to an unlimited number of repeaters, one at a	
HKVN4049**	Digital Telephone Interconnect Upgrade	$583.35
HKVN4205*	Data Network Application Interface (IP Wireline Data Gateway)	$863.00
HKVN4206*	Voice Network Application Interface (IP Wireline Voice Gateway) for use with AVTEC SCOUT and WAVE	$288.00

 * These System level options must be used to enable the corresponding feature in All Repeaters in the Radio system: both voice and data revert.
** These software options are to be enabled only in the Repeaters that will support the specific feature (e.g. Enhanced GPS in the Data Revert Repeaters and Telephone Interconnect in the voice Repeater that is connected to the phone patch box and Digital Voting Only in the Voting Repeater).

Crescend Power Amplifiers:	*** Available to order via MOL only *** Frequency is required at time of order	
DSP1020MOVC5	P10 SERIES Amplifier, 136-174MHZ, 20-50W Input, 100W Output, 23A Current Draw	$1,670.00
	Replacement for RDD5565A, RDD5563A, RDD5548A, RDD5564A. Requires R1685 or RDN9900 Power Supply	
DSP1020MOUC5	P10 SERIES Amplifier, 406-512MHZ, 20-50W Input, 100W Output, 23A Current Draw	$1,915.00
	Replacement for RDE6067A, RDE6068A, RDE6069A, RDE6106A, RDE6105A. Requires R1685 or RDN9900 Power Supply	
DSP1515MOJKC6	P15 SERIES Amplifier, 764-870 MHz, 15-25W Input, 150W Output, 42A Current Draw	$2,678.00
	Replacement for DSP1510K1C1001. Requires R1684 Power Supply. Can be tuned to 100W Output at time of order entry	
DSP1520MOJKC6	P15 SERIES Amplifier, 764-870 MHZ, 20-50W Input, 150W Output, 42A Current Draw	$2,678.00
	Replacement for DSP1520K1C1001. Requires R1684 Power Supply. Can be tuned to 100W Output at time of order entry	
DSP1515MOLC6	P15 SERIES Amplifier, 928-942MHz, 15-25W Input, 150W Output, 42A Current Draw	$2,678.00
	Replacement for DSP1510L1C1001. Requires R1684 Power Supply. Can be tuned to 100W Output at time of order entry	
DSP1520MOLC6	P15 SERIES Amplifier, 928-942MHz, 20-50W Input, 150W Output, 42A Current Draw	$2,678.00
	Replacement for DSP1520L1C1001. Requires R1684 Power Supply. Can be tuned to 100W Output at time of order entry	
DSRM60M	RM60M Astron Power Supply, 13.8VDC, 50A Continuous, 55A ICS	$686.00
DSRM50M	RM50M Astron Power Supply, 13.8VDC, 37A Continuous, 50A ICS	$516.00
CDQRDN9900	DPS-30 Duracomm, Filtered Power Supply, 13.8VDC, 30A Max	$314.00
DSP1020MOVPS	P10 SERIES, C5 Amplifier, 136-174MHZ, 20-50W Input, 100W Output, 13.8DC / 110 AC	$2,228.00
	Includes an integrated 110V AC Power Supply; Frequency is required at time of order	
DSP1020MOUPS	P10 SERIES, C5 Amplifier, 406-512MHZ, 20-50W Input, 100W Ooutput, 13.8DC / 110AC	$2,458.00
	Includes an integrated 110V AC Power Supply; Frequency is required at time of order	
DSP820MOJKPS	P8 SERIES, C5 Amplifier, 764-870MHZ, 20-50W Input, 80W Output, 13.8DC / 110AC	$2,637.00
	Includes an integrated 110V AC Power Supply	
	Includes an integrated 110V AC Power Supply	

US VERSION

XPR™8380 / XPR™8400
REPEATER
ACCESSORIES

MODEL NUMBER	DESCRIPTION	MSRP
Duplexers - All duplexers have female type "N" connectors.		
Untuned Duplexers (for use with standard repeater) - Requires Tuning in the Field		
HFD8188	VHF Duplexer, 144-155 MHz (minimum & maximum freq. separation 4.5 MHz/6 MHz)	$722.00
HFD8189	VHF Duplexer, 155-162 MHz (minimum & maximum freq. separation 4.5 MHz/6 MHz)	$611.00
HFD8190	VHF Duplexer, 162-174 MHz (minimum & maximum freq. separation 4.5 MHz/6 MHz)	$611.00
DSCP10725UNTUNED	UHF Duplexer - Untuned 406-500 MHz (N-female 4-8 MHz spacing) Pre-tuned 460 MHz (Low) and 465 MHz (High)	$463.00
	Tuning instructions are included in the shipment and must be followed in order to keep the warranty in place	
HFE8400	UHF Duplexer, 406-450 MHz (minimum & maximum freq. separation 5 MHz)	$571.00
HFE8401	UHF Duplexer, 470-495 MHz (minimum & maximum freq. separation 3 MHz)	$591.00
HFE8454	UHF Duplexer, 490-527 MHz (minimum & maximum freq. separation 3 MHz)	$498.00
Untuned Duplexers (for use with 100 Watt power amplifiers) - Requires Tuning in the Field		
9175300H01	VHF Duplexer (RoHS) 132-146MHz (5MHz separation RX or TX)	$1,380.00
9175300H02	VHF Duplexer (RoHS) 144-160MHz (5MHz separation RX or TX)	$1,415.00
9175300H03	VHF Duplexer (RoHS) 158-174MHz (5MHz separation RX or TX)	$1,380.00
9175300H05	UHF Duplexer (RoHS) 403-435MHz (5MHz separation RX or TX)	$2,170.00
9175300H06	UHF Duplexer (RoHS) 435-470MHz (5MHz separation RX or TX)	$1,415.00
9175300H07	UHF Duplexer (RoHS) 470-494MHz (5MHz separation RX or TX)	$1,380.00
9175300H08	UHF Duplexer (RoHS) 494-512MHz (5MHz separation RX or TX)	$1,380.00
Tuned Duplexers (for use with standard repeater) - Must Specify Frequency for Tuning		
HFD8465	VHF Duplexer, 150-160 MHz (minimum & maximum freq. separation 4.5 MHz/6 MHz)	$611.00
HFF4003A	810-960 MHz Circulator, 18 dB min Insulation, 100W max power handling, N-Female	$560.00
DSCP10725TUNED	UHF Duplexer - Tuned 406-500 MHz (N-female 4-8 MHz spacing)	$463.00
Duplexer Cables - An N-Type Male to N-Type Male and N-Type Male to BNC Male cables are needed to connect the XPR8300 to a Duplexer		
0112004B04	N - Type Male to N - Type Male 24" (to connect repeater to external duplexer or preselector)	$113.30
0112004U04	N - Type Male to BNC Male 24" (to connect repeater to external duplexer or preselector)	$79.20
3082081X01	Right angle N-Type Male to straight N-Type Male 30" (to connect 100W PA to external duplexer/preselector)	$48.50
Antennas- Contact Dealer Support Services for antennas		
Mounting Accessories:		
PMLE4476	Wall Mount Kit (includes wall mount bracket and screws)	$115.00
PMLE4548	Rack Mount Duplexer/Filter Enclosure Kit (includes mounting screws)	$177.38
Preselectors:		
HFD8461	VHF Preselector, 144-160 MHz	$336.00
HFD8462	VHF Preselector, 160-174 MHz	$336.00
HFE8459	UHF Preselector, 440-474 MHz	$507.10

To order Preselectors TUNED, place your order through Customer Care Services at 800-422-4210.

To order Preselectors UN-TUNED, order directly through Customer Care Services. Preselectors must be mounted externally when using an XPR™ 8300 Repeater. All preselectors have female type "N" connector. A type "N" male to male connector is required for proper operation (0112004B04 or 0112004U04). The length of the cable depends on your application. Call Customer Care Services to find a cable for your individual application or for additional preselector options.

Lightning Protection Recommendation Accessories:

Model Number	Description	MSRP
DSISB50LNC2	RF SPD, 125-1000MHZ DC BLOCK BROADBAND BULKHEAD MT, NF ANT, NF EQUIP	$84.00

Coaxial Cable In-Line Arrestors:

Model Number	Description	MSRP
RRX4032	Tower Mounting Hardware for Lightning Arrestor	$15.00
DSISB50LNC2MA	RF SPD, 125-1000MHZ DC BLOCK BROADBAND BULKHEAD MT, NM ANT, NF EQUIP	$84.00

Service, Programming Accessories and Cables:

Model Number	Description	MSRP
RVN5115	Portable, Mobile and Repeater Customer Programming Software (CPS) Package - DVD disk and MOL download. Software Package includes CPS, Air Tracer, Tuner, RDAC, MNIS MCDD, DDMS and the MOTOTRBO System Planner. 3 Year Subscription. Note: Software requires a license agreement and is not intended for resale.	$299.00
HKVN4362	Portable, Mobile and Repeater Customer Programming Software (CPS) Package - MOL download only version. Software Package includes CPS, Air Tracer, Tuner, RDAC, MNIS MCDD, DDMS and the MOTOTRBO System planner. 3 year Subscription. Note: Software requires a license agreement and is not intended for resale.	$169.00
PMKN4010	Mobile and Repeater Rear Programming Cable	Call for Pricing

US VERSION

XPR™8380 / XPR™8400
REPEATER
ACCESSORIES

RESELLER PRICES

MODEL NUMBER	DESCRIPTION	MSRP
Service, Programming Accessories and Cables (continued):		
PMKN4016	Mobile and Repeater Rear Programming, Test and Alignment Cable	Call for Pricing
RKN4152	Battery Back-up Cable	Call for Pricing
PMLN5270	MOTOTRBO Connector Board Service Kit	Call for Pricing
Network Devices:		
DSJG411	HP MSR2003 AC ROUTER	$767.00
DSHPJ9782A	HP Procurve 2530-24 Ethernet Switch (Available to order via MOL only)	$356.00
General Accessories:		
6816814H01	MOTOTRBO Repeater Installation Guide	$20.00
6816810H01	MOTOTRBO Repeater Basic Service Manual	$30.00
6816811H01	MOTOTRBO Repeater Detailed Service Manual	$50.00
6880309T12	MOTOTRBO System Planner	$30.00
3087791G01	120V AC Line Cord	$20.00

CAPACITY MAX SYSTEM SERVER (CMSS)
FOR MOTOTRBO™ CAPACITY MAX DIGITAL TRUNKING SYSTEMS
VHF/UHF/800/900 MHz

RESELLER PRICES

The CMSS Includes:
- 2 120 VAC Power Cables
- 1 CPU License Key
- 19" Rack Mounting Kit
- Velcro Strap Kit

Please refer to the MOTOTRBO Capacity Max System Planner for more details on system configurations and trunking features.

General Information:
The CMSS is the heart of our next generation Digital Trunking solution, Capacity Max. The CMSS is a single system-level server that contains three system-level functions, the Trunking Controller, System Advisor Server and MNIS Voice/Radio Command (VRC) Gateway.

MOTOTRBO Capcity Max is the next generation professional digital trunking communications solution that provides more performance, productivity and value for your business. Capacity Max supports up to 15 trunked repeaters for voice and data per site providing capacity for up to 3000 users/site. Additionally you can facilitate up to 6 additional dedicated data ("data revert") repeaters, supporting intensive text, GPS and data use. The architecture is very flexible, and allows for centralized or distributed equipment deployment as required, it's also easy to add more capacity and coverage.

- Critical Site Assignment	- Radio & Talkgroup Site Restrictions	- Group Call	- Key Based Authentication
- Dynamic Site Assignment	- Enhanced Channel Access	- All Call	- Voice & Data Encryption
- Enhanced Registration	- Talkgroup Scan	- Emergency Call	- OTA Programming
- Enhanced Roaming	- Group Broadcast Call	- Emergency Alarm	- Advanced Late Entry

NOTE:
- For Capacity Max to operate in the UHF and VHF bands it requires at least one YG FB8 or FCC Auction Exclusive use channel for control channel at each site. Please refer to FCC 90.187 for additional regulatory compliance
- The Capacity Max System Server, Model #: SQM01SUM0281A, is not available to order on MOL. Channel Partners must go through the Center of Excellence Engineering (CoEE) Team.
Request Link
- ST Support Services will be mandatory for all Capacity Max System purchases unless the Channel Partner has completed the Capacity Max training requirements. This will be verified by the CoEE
Team. Classes can be accessed via the Learning Management Portal on MOL.
For questions, please contact: ats.support@motorolasolutions.com

Capacity Max System Server & Premium Software Features   **Required**

MODEL	DESCRIPTION	MSRP
SQM01SUM0281A	Capacity Max System Server	$17,825.00
Required	One (1) CMSS appliance is Required per system since at least one Trunk Controller is needed for each system.	
Only one of the following is required:		
HKVN4313	MOTOTRBO Capacity Max Trunking Controller	$20,125.00
System	The Trunk Controller provides wide-area trunking, subscriber access control, and enables gateway operations on the system.	
HKVN4394	MOTOTRBO Capacity Max Single Site Trunk Controller	$7,500.00
Site System	The Trunk Controller enables trunking, subscriber access control, and enables gateway operations on the system.	
Required for Multi-Site Systems:		
HKVN4314	MOTOTRBO Capacity Max Site License	$8,625.00
	Required for multisite systems.	
	Allows connection of an RF site to the system; needed for each additional RF site beyond the first site, which is included with the Trunk Controller License.	

Capacity Max System-level Licenses   **Optional**
All System-level licenses must be purchased for both primary and redundant CMSS's

MODEL	DESCRIPTION	MSRP
HKVN4395	MOTOTRBO Capacity Max Single Site to Multi-Site Trunk Controller Expansion	$11,500.00
	Single Site to Multi-Site Trunk Controller expansion license allows upgrade beyond a single site for systems that started with a Single Site Trunk Controller license.	
HKVN4315	MOTOTRBO Capacity Max System Advisor License	$6,900.00
	Optional; The System Advisor provides Fault Management and Call Monitoring functionality for the system.	
HKVN4316	MOTOTRBO Capacity Max System Advisor NBI License	$6,900.00
	Optional; Provides a North Bound Interface (NBI) to 3rd party fault managers	
HKVN4317	MOTOTRBO Capacity Max VRC Gateway License	$3,450.00
	Optional; The MNIS VRC Gateway provides an interface to 3rd party wireline Voice and/or Radio Command applications.	
HKVN4318	MOTOTRBO Capacity Max VRC Gateway Single Talkpath License	$1,438.00
	Optional; Enables one (1) external voice Talkpath for dispatch, voice logging, telephony, and/or WAVE.	
HKVN4321	MOTOTRBO Capacity Max Data Gateway License	$5,750.00
	Optional; Enables the connection of one (1) MNIS Data Gateway to the system; The MNIS Data Gateway provides the wireline data interface to Motorola and/or 3rd party data applications. Up to fifteen (15) primary MNIS Data Gateways supported per system. Up to fifteen (15) alternate MNIS Data Gateways supported per system for redundancy. One (1) license required for each primary MNIS Data Gateway in the system AND they are needed for each CMSS running a Trunk Controller (up to five (5)) in the system. No additional licenses needed for alternate MNIS Data Gateways.	

CMSS Field Upgrades

MODEL	DESCRIPTION	MSRP
T8480A	MOTOTRBO 2.9 Capacity Max System Server SW Upgrade (USB)	$430.00
T8486A	MOTOTRBO Capacity Max System Server SW Update Launch Pad (DVD)	$0.00
MOL Download	R2.8 CMSS Field Upgrade - MOL Resource Center >Software>Two-Way>MOTOTRBO>Capacity Max - Software, Firmware	$0.00
MOL Download	R2.7 CMSS Field Upgrade - MOL Resource Center >Software>Two-Way>MOTOTRBO>Capacity Max - Software, Firmware	$0.00

The Capacity Max Bridge(CMB) is now available. The existing connect plus system should be at a minimum of R1.8 and above to use the Migration Bridge . Learn more about CMB at:http://www.motorolasolutions.com/capacitymaxbridge
Refer XRT 9100 Tab for more information on Bridge configruation requirements.

PC Workstation & Network Accessories   **Optional**
Motorola recommends the networking equipment listed below. To aid in deployments, Motorola provides configuration files for these switches and routers.

MODEL	DESCRIPTION	MSRP
TT3225	HP Z2 MINI WORKSTATION (Replaces Z440 Workstation) - Optional; for Radio Management Server and/or MNIS Data Gateway(s)	$2,500.00
DSJG411	HP MSR2003 AC ROUTER	$767.00
DSHPJ9782A	SWITCH HP PROCURVE 2530-24 SWITCH	$356.00
DSJD573	ROUTER,HP MSR 4-PORT 10/100 SIC MODULE	$222.00
TDN1113	Ethernet Cable, 50'	$45.00

Radios and Repeaters also require Capacity Max software licences, please reference those specific product pages for further information

Literature & Information (Available on Motorola Online and/or Partner Central):
Capacity Max Product Fact Sheet   Capacity Max Installation & Configuration Manual
Capacity Max System Advisor   Capacity Max System Planner
Configuration Files   Capacity Max System Operations, Troubleshooting & Maintenance Guide

Warranty:
5 Year Essential Repair and Software

XRC 9100 Trunking Controller
FOR MOTOTRBO™ CONNECT PLUS DIGITAL TRUNKING SYSTEMS
VHF/UHF/800/900 MHz

The XRC 9100 Controller Includes:
- 120 VAC Power Cable
- 3 ft.Ethernet Cable
- Quick Start Guide
- 19" Rack Mounting Kit

Please refer to the MOTOTRBO Connect Plus System Planner for more details on system
configurations and trunking features.

General Information:
The XRC 9100 is the central call processing equipment in MOTOTRBO™ Connect Plus digital trunking solutions. The XRC 9100 is a powerful multiprocessor computer designed to provide call processing and real-time resource management. The XRC 9100 controller is designed as an Internet Protocol (IP) device that can be configured for Connect Plus single site or multi-site trunking operation.

MOTOTRBO Connect Plus is the next generation professional digital trunking communications solution that provides more performance, productivity and value for your business. Connect Plus supports up to fifteen (15) repeaters per site, which provide twenty-nine (29) slots per site to be used as voice or data resources, and up to two hundred-fifty (250) sites when the XRC 9100 controller is ordered for multi-site operation. Connect Plus Trunking uses 2:1 TDMA technology with a control channel slot based architecture which provides the following key trunking features:

- PTT-ID	- User Priority Levels	- Emergency Call and Alert Operation	- Site Restrictions
- Dynamic Site Assignment	- Busy Queuing and Call Back	- Redundant Controller	- Network Wide All Call
- Site Registration	- Selective Call and Call Alert	- OTA Code Plug Transfer	
- Automatic Roaming	- Group Scan across Radio Zones	- Rotating Control Slots	

Note: For Connect Plus to operate in the UHF and VHF bands it requires at least one YG FB8 or FCC Auction Exclusive use channel for control channel @ each site.
  Please refer to FCC 90.187 for additional regulatory compliance information.

XRC 9100 Controller Models & Premium Software Features:

MODEL	DESCRIPTION	MSRP
TT2653	XRC 9100 Single Site Trunking Controller	$38,462.00
TT2654	XRC 9100 Multi-Site Trunking Controller	$46,154.00
HKVN4303	XRC 9100 Multi-Site Upgrade Package	$7,692.00
HKVN4290	XRC Fast GPS Channel License	$495.00

Ordering Requirements:
1. One XRC 9100 controller is required per trunking site.
2. If you are purchasing a new system, please include the text "0000" in the Network ID field.
3. If you are purchasing a system expansion, please provide the existing 4 digit (i.e. 0123) "NETWORK ID" when entering the order.
4. All XRC 9100 controllers interconnected for multi-site operation require to have the same NETWORK ID.
5. Existing NETWORK ID and XRC 9100 controller SERIAL NUMBER required when ordering XRC 9100 Multi-Site Upgrade Package (HKVN4303).
6. Uninterrupted Power Supply (UPS) backup required for continuous operation of XRC 9100 controller and networking equipment during power outages.
7. The XRC 9100 controller and other Connect Plus Trunking system equipment can be ordered as part of the Assembled Trunked System (ATS)
 program for staging at Motorola CCSI (Customer Center for System Integration).
8. Racks / cabinet equipment is required for system staging at CCSI.
9. Please refer to the Connect Plus System Planner and your Motorola ACES team representative for pre-sale support and system design considerations.
10. A site ID needs to be provided for service during the warranty period. To generate one, please fill out the ""CSP short form"" and send it back to Motorola
at CCOF129@email.mot.com . You will be asked to provide a PO if the proper entitlement is not provided. The form and the instructions are available in:
Motorola Online > Resource Center > Services > Warranty Information > Customer Support Plan (CSP) Short Form.
11. Enter one line item for each controller requiring an Upgrade.
12. When ordering an upgrade HKVN4294, please make sure to include the Connect Plus Network ID for the system, the Connect Plus Electronic Serial Number
 (TRxxxxxx) & e-mail in the appropriate fields for each controller in the order line item notes of the Connect Plus Upgrade Workbook found on MOL. The
Serial Number is found via the Network Manager while connected to the specific controller. Not submitting the completed workbook to Motorola (as
instructed in the workbook) will delay processing of the order. An e-mail containing the upgrade will be sent to the address entered in the order. Each
upgrade is approximately 3M in size. If your e-mail account cannot manage this size file, a CD version of the upgrade will be mailed to you ONLY if
HKVN4143 is ordered along with the XRC 9100 Field Upgrade Package.

Literature & Information (available on Motorola Online):

Connect Plus System Brochure	XRC 9100 Controller User and Installation Guide	Connect Plus Frequently Asked Questions
XRC 9100 Controller Specifications Sheet	Connect Plus System Planner	

Warranty:
Two (2) Year Standard Warranty. Note: Motorola offers an "up-lift" to standard warranty, providing two business day replacement. This service can be purchased anytime during Motorola Standard Warranty (equipment failures prior to uplift purchases are excluded from the two business day cycle time). For more information contact your Motorola Dealer or Motorola Sales Account Manager.

XRC 9000 Field Upgrades

MODEL	DESCRIPTION		MSRP
TT2308	XRC 9000 Field Upgrade Package (R1.0A)		$0.00
TT2391	XRC 9000 Field Upgrade Package (R1.1)		$0.00
HKVN4165	XRC 9000 Field Upgrade Package (R1.2.3); E-mail Only. Submission of the Upgrade Workbook is required.	Workbook	$0.00
HKVN4221	XRC 9000 Field Upgrade Package (R1.3); E-mail Only. Submission of the Upgrade Workbook is required.	Workbook	$0.00
HKVN4228	XRC 9000 Field Upgrade Package (R1.4); E-mail Only. Submission of the Upgrade Workbook is required.	Workbook	$0.00
HKVN4262	XRC 9000 Field Upgrade Package (R1.5); E-mail Only. Submission of the Upgrade Workbook is required.	Workbook	$0.00
HKVN4294	XRC 9000 Field Upgrade Package (R1.6); E-mail Only. Submission of the Upgrade Workbook is required.	Workbook	$0.00
MOL Download	XRC 9000 Field Upgrade (R1.7) - MOL Resource Center >Software>Two-Way>MOTOTRBO>Connect Plus - Firmware ** It is mandatory to upgrade the MOTOTRBO™ XRC to release R1.6 before upgrading it to R1.7 (R2.6.0) or later releases.		$0.00

Questions?
Contact Motorola at 1-800-422-4210.

The Capacity Max Bridge is now available, learn more at:
http://www.motorolasolutions.com/capacitymaxbridge

US VERSION

XRC 9100 Trunking Controller
FOR MOTOTRBO™ CONNECT PLUS DIGITAL TRUNKING SYSTEMS

SUGGESTED RETAIL   **VHF/UHF/800/900 MHz**

Connect Plus Digital Trunking System
Site Equipment

- The following equipment is included as a reference to help you build the Connect Plus sites. Final system configuration will be determined by the number of repeaters and specific site requirements.
- Proper site grounding and lightning protection are important considerations for safe and reliable operation of the Connect Plus trunking system. Refer to the Motorola Quality Standards Fixed Network Equipment Installation Manual R56 for more details.
- Please refer to the Connect Plus System Planner and your Motorola ACES team representative for pre-sale support and system design considerations.

NETWORKING EQUIPMENT:

MODEL	DESCRIPTION	MSRP
DSJG411	HP MSR2003 AC ROUTER	$767.00
DSHPJ9782A	HP Procurve 2530-24 Ethernet Switch (Available to order via MOL only)	$356.00
TDN1113	Ethernet Cable (50 ft).	$45.00
23844-00-00R	Cord Set 18AWG SVT 3Cond 7.5FT	$10.00

BACKUP POWER:
For XRC 9100 Controller and Networking Equipment

MODEL	DESCRIPTION	MSRP
DSSMART1000RM2U	Rack Mount Line Interactive Stand-By Power Supply (1kVA). Input: NEMA 5-15P (120V 15A) / Output: 6 NEMA 5-15R	$720.00
DSGXTR0900N007	UPS, GXT RACKMOUNT 1000VA/900W, 7 MIN RUNTIME 120V SOFTWIRED (7 MIN RUNTIME @ FULL LOAD)	$1,500.00
DSGXTR09001038	UPS, GXT RACKMOUNT 1000VA/900W,38 MIN RUNTIME 120V SOFTWIRED (38 MIN RUNTIME @ FULL LOAD)	$2,389.00
DS201193G1L	Rack Mount Rail Kit for 4-Post Racks. Use for DSGXTR0900N007 and DSGXTR09001038 UPS Units.	$135.00
DS2POSTRMKITWM	Horizontal Rack Mount Kit for 2 –Post Installation. Use for DSSMART1000RM2U UPS.	$105.00

NOTE: When ordering UPSs and determining the CRSD date, please keep in mind that the battery warranty is voided if batteries are not put in service or charged within 4 months of ship date.

SITE AC DISTRIBUTION AND AC SURGE PROTECTION:

MODEL	DESCRIPTION	MSRP
BLN6200B	AC Power Strip, 6 outlet (No Surge Protection)	$94.00
DSOP820B	PDU, 120V HARDWIRE (8) 20A OUTLET PDU WITH TYPE 3 SAD PROTECTION	$966.00
DS1101378	RACK MT ADAPTER PLATE, 19 IN FOR DSOP820B, DSOP820B2 & DSNSOP820B	$62.00
DS11013781	RACK MT ADAPTER PLATE, 19 IN SCH FOR DSOP820B, DSOP820B2 & DSNSOP820B	$73.00

RACKS / CABINETS:

MODEL	DESCRIPTION	MSRP
DQ55053703	7 ft (84") 19" EIA (2 posts) 45 RU Open Frame Rack	$238.00
DQ46353705	7.5 ft (90") 19" EIA (2 posts) 51 RU Open Frame Rack	$650.00
DSTGT1133742	6.5 ft. Beige Cabinet (19" w x 78" h x 30"d) Square Punched Rails, Top and Side Panels, Vertical Rails. Leveling Feet,	$4,075.00
DSTGT1033742	7 ft. Beige Cabinet (19" w x 84" h x 30" d) Square Punched Rails, Top and Side Panels, Vertical Rails. Leveling Feet,	$4,315.00

REPEATER EQUIPMENT:
Please refer to the MOTOTRBO Fixed Equipment section for XPR 8300 / XPR 8380 / MTR 3000 repeaters and RF peripherals available for Connect Plus trunking operation.

XRT 9100 Connect Plus Gateway
FOR MOTOTRBO™ CONNECT PLUS DIGITAL TRUNKING SYSTEMS
VHF/UHF/800/900 MHz

The XRT 9100 Gateway Includes:

- 120 VAC Power Cable
- 3 ft. Ethernet Cable
- Quick Start Guide
- 19" Rack Mounting Kit

Please refer to the MOTOTRBO Connect Plus System Planner for more details on system
configurations and trunking features.

General Information:

XRT 9100 Gateway is designed to perform protocol translation for equipment and applications wishing to interact with the MOTOTRBO™ Connect Plus digital
trunking system.

XRT 9100 is an Internet Protocol (IP) based device that allows connectivity from authorized clients that are part of the Motorola Solutions Application
Development Partner (ADP) Program.

The XRT 9100 Application Protocol Interface (API) is a published document available to all Motorola Solutions Application Development Partners.

The total number of Talk Paths registered by all clients cannot exceed the number of registered talk paths IDs licensed for the XRT 9100 which is a maximum of 750 with the 1.6
Release. Please refer to the XRT 9100 Gateway User Guide for Talk Path definition.

The number of licensed Talk Paths determines how many Group and Private IDs can be registered by all clients, but not the maximum number of
simultaneous calls.

The maximum number of simultaneous calls on a single XRT 9100 has increased from 30 to 100 with the 1.6 Release.

R1.2 supports Emergency Alert to console and Network Wide All Call from console.

XRT 9100 Gateway Models:

MODEL	DESCRIPTION	MSRP
TT2657	XRT 9100 Gateway (No Registered ID)	$7,101.00
HKVN4305	XRT 9100 Connect Plus Talk Path 10-Pack (Used with TT2657 - now fulfilled via EID - 1.6 Release and above only).	$3,462.00
HKVN4306	XRT 9100 Connect Plus Talk Path 100-Pack (Used with TT2657 - now fulfilled via EID - 1.6 Release and above only).	$31,952.00

Ordering Requirements:

1. The XRT 9100 Gateway is only required on Connect Plus systems needing Avtec Scout™ or Genesis GW3-TRBO® (this may also be required for future
   ADP applications on Connect Plus).
2. Uninterrupted Power Supply (UPS) backup required for continuous operation of XRT 9100 Gateway and networking equipment during power outages.
3. The XRT 9100 Gateway and other Connect Plus Trunking system equipment can be ordered as part of the Assembled Trunked System (ATS) program for
   staging at Motorola CCSI (Customer Center for System Integration).
4. Racks / cabinet equipment is required for system staging at CCSI.
5. Please refer to the Connect Plus System Planner and your Motorola ACES/COEE team representative for pre-sale support and system design considerations.
6. When ordering an upgrade, please make sure to include the Connect Plus Network ID for the system, the Connect Plus Electronic Serial Number
   (TRxxxxxx) & e-mail in the appropriate fields for each controller in the order line item notes of the Connect Plus Upgrade + Workbook found on MOL.
   The Serial Number is found via the Network Manager while connected to the specific controller. Not submitting the completed workbook to Motorola (as
   instructed in the workbook) will delay processing of the order. An e-mail, containing the upgrade, will be sent to the address entered in the order. Each
   upgrade is approximately 3M in size. If your e-mail account cannot manage this size file, a CD version of the upgrade will be mailed to you ONLY if
   HKVN4143 is ordered along with the XRC 9000 Field Upgrade Package.

XRT 9100 for Connect Plus to Capacity Max Migration

1. A dedicated XRT 9100 Gateway is required at the existing connect plus site to allow bridged connection between the Connect plus sites and Capacity Max sites
2. The Capacity Max Bridge (CMB) is a subscription software license(EID) required at Capacity Max site to enabled bridged connection between Capacity Max and Connect plus sites
3. **No Talkpath License** is required on XRT 9100 for Connect Plus to Capacity Max Bridged Operation
4. The minimum connect plus system release to use the CMB is R 1.8 and above
5. The Capacity Max Bridge is now available, learn more at: http://www.motorolasolutions.com/capacitymaxbridge

US VERSION

Literature & Information (available on Motorola Online):

XRT 9100 Gateway User Guide
Connect Plus System Planner

Warranty:

Two (2) Year Standard Warranty. Note: Motorola offers an "up-lift" to standard warranty, providing two business day replacement. This service can be purchased anytime
during Motorola Standard Warranty (equipment failures prior to uplift purchases are excluded from the two business day cycle time). For more information contact your
Motorola Dealer or Motorola Sales Account Manager.

Questions?

Contact Motorola at 1-800-422-4210.

XRT 9000 Field Upgrades

MODEL	DESCRIPTION		MSRP
HKVN4166	XRT 9000 Field Upgrade Package (R1.2.3); E-mail Only. Submission of the Upgrade Workbook is required.	Workbook	$0.00
HKVN4222	XRT 9000 Field Upgrade Package (R1.3); E-mail Only. Submission of the Upgrade Workbook is required.	Workbook	$0.00
HKVN4229	XRT 9000 Field Upgrade Package (R1.4); E-mail Only. Submission of the Upgrade Workbook is required.	Workbook	$0.00
HKVN4263	XRT 9000 Field Upgrade Package (R1.5); E-mail Only. Submission of the Upgrade Workbook is required.	Workbook	$0.00
HKVN4295	XRT 9000 Field Upgrade Package (R1.6); E-mail Only. Submission of the Upgrade Workbook is required.	Workbook	$0.00
HKVN4261	XRT 9100 10 Registered Talk Path IDs (License Bundle Only - Used with TT2657 - 1.5 Release only).		$3,462.00
HKVN4264	XRT 9100 100 Registered Talk Path IDs (License Bundle Only - Used with TT2657 - 1.5 Release only).		$31,952.00
MOL Download	XRT 9000 Field Upgrade (R1.7) - MOL Resource Center >Software>Two-Way>MOTOTRBO>Connect Plus - Firmware ** It is mandatory to upgrade the MOTOTRBO™ XRT to release R1.6 before upgrading it to R1.7 (R2.6.0) or later releases.		$0.00

For technical training of Motorola products, please visit:
https://learning.motorolasolutions.com/

The XRI 9100 Gateway Includes:
- 120 VAC Power Cable
- 19" Rack Mounting Kit
- 3 ft. Ethernet Cable
- Quick Start Guide

General Information:
XRI 9100 enables connectivity between a Connect Plus system and the telephone network.
XRI 9100 Telephone Interconnect Gateway supports up to sixteen (16) simultaneous telephone lines (PSTN/PBX).
XRI 9100 Telephone Interconnect Gateway supports Landline to Radio/Radio to Landline/Landline to Talkgroup operation.
XRI 9100 Telephone Interconnect Gateway supports Half Duplex operation.
XRI 9100 Telephone Interconnect Gateway is supported in Connect Plus Release R1.5 and above.
With the Connect Plus 1.7 Release, the XRI can now connect to two different types of SIP Gateways (one at a time):
   - SIP to PSTN or PBX Gateway. At least one SIP gateway device is required to interface PSTN or PBX phone lines with the IP network.
     (The Cisco SPA8800 is an approved and validated device).
   - SIP Digital Telephony Gateway. Via the validated Cisco Unified Communications Manager, also known as Call Manager or CUCM.
     Connection to SIP Digital Telephony Gateway requires the SIP-10 or SIP-20 feature license.
Please refer to the MOTOTRBO Connect Plus System Planner and XRI 9100 User Guide for more information.

US VERSION

XRI 9100 Gateway Models & Premium Software Features:

MODEL	DESCRIPTION	MSRP
TT2743A	XRI 9100 Telephone Interconnect Gateway - IP Address Required at time of order	$81,000
HKVN4391	SIP-10 Telephony License - supports 10 simultaneous calls. E-mail address required.	$1,300
HKVN4392	SIP-20 Telephony License - supports 20 simultaneous calls. E-mail address required.	$2,470

Ordering Requirements:
1. One XRI 9100 Gateway is supported per Connect Plus system. Requires IP Address at time of order.
2. SIP gateway devices (Cisco SPA 8800) must be purchased separately. One SPA8800 support 4 telephone lines.
3. SIP Digital Telephony Gateway requires the SIP-10 or SIP-20 telephony license
4. A Key Manager File is required for both SIP Gateway types (including SPA8800); please contact Technical Support 800-927-2744 with the SIP Gateway
   IP Address(es) and they will open a case where a custom Key Manager File will be created for you.

Literature & Information (available on Motorola Online):
XRI 9100 User Guide
XRI 9100 Quick Reference Guide
XRI 9100 Specifications Sheet
Connect Plus System Planner

Warranty:
Two (2) Year Standard Warranty. Note: Motorola offers an "up-lift" to standard warranty, providing two business day replacement. This service can be purchased anytime during Motorola Standard Warranty (equipment failures prior to uplift purchases are excluded from the two business day cycle time). For more information contact your Motorola Dealer or Motorola Sales Account Manager.

XRI 9100 Field Upgrades

MODEL	DESCRIPTION	MSRP
MOL Download	XRI 9100 Field Upgrade (R1.7) - MOL Resource Center >Software>Two-Way>MOTOTRBO>Connect Plus - Firmware	$0.00
HKVN4296	XRI 9100 Field Upgrade (R1.6)	$0.00

Questions?
Contact Motorola at 1-800-422-4210.

For technical training of Motorola products, please visit:
https://learning.motorolasolutions.com/

US VERSION

SIREN AND LIGHTS INTEGRATION MODULE
for APX4500, APX6500 and APX7500 mobile radios

SUGGESTED RETAIL

General Information:

The Siren and Lights Interface Module connects new or existing third party light and siren systems to Motorola's APX7500/APX6500 mobile radios.

This solution allows the user to control all in vehicle radio, siren, and light functions from an 03, 07 or 09 APX control head to fit any response scenario.
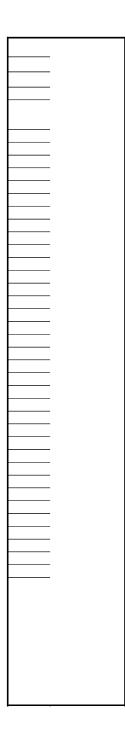
Features:

EASE OF INSTALLATION:	Connects to APX mobile with 1 cable. Connects to OEM sirens with 1 or 2 cables
TWO-WAY MOBILE SUPPORT:	Compatible with APX 7500 and 6500 TDMA capable radio and feature set.
THIRD-PARTY SIREN AND LIGHT:	Compatible with Code 3®, Federal Signal, Whelen® Engineering
QUICK SET-UP:	USB Programming utility available.
CONTROL HEAD COMPATIBILITY:	Compatible with APX O3, O7, and O9 control heads
CONSOLIDATES PA AUDIO:	Supports single microphone for two-way audio and PA audio.
INPUTS/OUTPUTS:	4 dedicated inputs for auxiliary functions and OEM sensors

Notes:

THE SIREN AND LIGHTS INTERFACE MODULE IS COMPATIBLE WITH REMOTE-MOUNTED APX7500, APX6500, APX6500LI and APX4500 MOBILE RADIOS.

CONTROL HEADS SUPPORTED: O9, O7, O3; AS WELL AS 02 and 05 WHEN USED WITH KEYPAD MICROPHONE

IF UPGRADING FIELDED UNIT, PLEASE REFER TO THE UPGRADE ORDERING GUIDE FOR ADDITIONAL INSTRUCTIONS

Options: TO COMPLETE AN ORDER YOU MUST MAKE ON (1) CHOICE PER EACH STEP

Model:	Description	MSRP
	STEP 1:	
TT2723	SIREN AND LIGHTS INTEGRATION MODULE	$690.00
	The module includes the Module to Radio cable, power cable and GPIO cable	
	STEP 2:	
TT05924	ADD: INTERFACE KIT IK-A1WB	$295.00
	Compatible with: Whelen Cencom Sapphire, Cantrol, Cantrol WC (includes internal siren interface module)	
TT05894	ADD: INTERFACE KIT IK-E2 (Z3)	$45.00
	Compatible with: Code3 Z3	
TT05923	ADD: INTERFACE KIT IK-A1WA	$450.00
	Compatible with: Cencom Gold (includes external siren interface module)	
	Aftermarket part number: DDN1896A	
TT05890	ADD: INTERFACE KIT IK-A1 (GREY)	$45.00
	Compatible with: Whelen CenCom Grey	
	Aftermarket part number: DDN1778A	
TT05925	ADD: INTERFACE KIT IK-C1F (SS2000) Min order Qty 100pcs	$295.00
	Compatible with: Federal Signal Smart Siren SS2000, SM, Premium Vision, Vision (includes external siren interface module)	
	Aftermarket part number: DDN1898A (Min 100)	
TT05926	ADD: INTERFACE KIT IK-C1C (RLS)	$295.00
	Compatible with: Code3 RLS (includes external siren interface module)	
	Aftermarket part number: DDN1899A	
	OPTIONAL:	
TT05889	ADD: PROGRAMMING KIT FOR SLIM	$60.00
	Includes Programming Cable and CD (Only one Kit is required per shop)	

US VERSION

Coverage Map Generation Services
(CCDT Request)

RESELLER PRICES   **GENERAL INFORMATION**

Sample Map
System Description - 4-Site MotoTRBO
Shaded Area Represent X% Covered Area Reliability for DAQ-3.0

GENERAL INFORMATION:

Provisions :

Pricing below includes maps for up to 6 sites

This cost includes up to two iterations of maps (alternate scenarios with different site locations, antenna heights, etc.)

The two iterations must be completed within 90 days of recieving the first set of maps

Contact:

If you have an FO# that includes this model number below

OR need additional information please send an email to ats.support@motorolasolutions.com

REQUESTING COVERAGE MAPS:

If you would like to submit a request for coverage map generation services follow this link: https://goo.gl/forms/AOXlvEG6J2KmeKrB3

Turn around time is 5 business days from the day the Coverage Request has been submitted using the link above.

Channel Partners should select "Dealer" when prompted to request support. A confirmation email will be sent once the request has been submitted.

MOL order # must be provided in the google request form link above at time of submission.

Additional system information may be requested, if the information is not provided in the initial request. This may impact turn around time.

When purchasing purchasing the ATS system as modeled, the associated coverage map cost will be refunded as system credit.

The ATS system must be purchased within 90 days of the most recent coverage map.

Pricing

RESELLER PRICES   **Coverage Map**

MODEL	DESCRIPTION				MSRP	
HKLN4495A	Coverage Map Generation Services				$835.00	

1.25