GTX TRUNKED PORTABLE RADIO FOR PRIVACY PLUS AND LTR SYSTEMS

No matter what business you’re in—security, construction or trade and repair—you need an easy-to-use, reliable way to communicate with 1, 10 or 100 workers instantly, at the touch of a button. And that’s exactly what the GTX family of trunked radios gives you. Both the basic and display models offer multi-feature advantages that enhance your ability to connect with colleagues. The display model gives you increased system and talkgroup capacity plus the ability to place phone calls using your radio.

PRIVACY PLUS™ BASIC MODEL FEATURES:
- Call Alert™ Response…Signifies incoming messages with an audible tone—useful in noisy environments or when the radio isn’t close at hand
- Talkaround…Maximizes radio’s calling range with unit-to-unit communication that bypasses the repeater
- Dual Mode Capability…Makes it easy for the radio to operate on either trunked or conventional systems, with 4 trunked modes/3 talk groups and 4 conventional channels
- Scan…Monitor transmissions on trunked systems, conventional channels, or both
- Private Conversation™ Response…Receive confidential calls with the touch of a button to help ensure other users cannot listen in
- Telephone Interconnect Response…Expands communication ability by allowing the radio to receive incoming telephone calls

IN ADDITION TO THE BASIC MODEL FEATURES, THE PRIVACY PLUS™ KEYPAD MODEL ALSO OFFERS:
- Expanded Work Group Reach…Extends calling area and flexibility with 10 trunked modes/8 talkgroups and 10 conventional channels
- Call Alert Initiation and Response…Signifies incoming messages with an audible tone, or sends an alert message to another user’s radio
- Eight-Digit Display…At-a-glance identification of talkgroups, telephone numbers, contact lists and more
- Telephone Interconnect Initiation and Response…Enhances the radio’s functionality by letting users place and receive phone calls
- Telephone Interconnect Response…Expands communication ability by allowing the radio to receive incoming telephone calls

LTR® BASIC MODEL FEATURES:
- Talkaround…Maximizes radio’s calling range with unit-to-unit communication that bypasses the repeater
- Dual Mode Capability…Makes it easy for the radio to operate on either trunked or conventional systems, with 4 trunked modes/3 talk groups and 4 conventional channels
- Scan…Monitor transmissions on trunked systems, conventional channels, or both
- Telephone Interconnect Response…Expands communication ability by allowing the radio to receive incoming telephone calls

IN ADDITION TO THE BASIC MODEL FEATURES, THE LTR® KEYPAD MODEL ALSO OFFERS:
- Expanded Work Group Reach…Extends calling area and flexibility with 10 trunked modes/8 talkgroups and 10 conventional channels
- Eight-Digit Display…At-a-glance identification of talkgroups, telephone numbers, contact lists and more
- Telephone Interconnect Initiation and Response…Enhances the radio’s functionality by letting users place and receive phone calls
- Telephone Interconnect Response…Expands communication ability by allowing the radio to receive incoming telephone calls
**Audio Accessories**

**REMOTE SPEAKER MICROPHONE (RSM)**

The remote speaker microphone is a water-resistant compact unit that allows the user to talk and listen without removing the radio from the belt, case or charger. It has a coiled cord, push-to-talk switch and clothing clip on the back cover.

- **HM N 9030A** Remote Speaker/ Microphone with Cord and Clip Back
- **HM N 9030AP** Resale Packaged

*Intrinsically Safe

**RSM ACCESSORIES**

**EPAULET STRAP**

Black leather epaulet straps secure remote speaker microphones to epaulet of shirts or jackets and attach around cord to back of microphone.

- **RLN4294A** Epaulet Strap, Velcro
- **RLN4295A** Epaulet Strap, small clip

**SURVEILLANCE KITS**

Surveillance accessories allow the user to privately receive communications with the earpiece and are ideal when environments require discreet communications.

- **HM N 9727B** Beige Receive Only Earpiece (1-Wire)
- **HM N 9727BP** Resale packaged
- **RLN4894A** Black Receive Only Earpiece (1-Wire)
- **HM N 9752B** Beige Receive Only Earpiece with Volume Control (1-Wire)
- **HM N 9752DP** Resale packaged
- **HM N 9754D** Beige Earpiece with Microphone and Push-To-Talk Combined (2-Wire)
- **HM N 9754DP** Resale packaged
- **RLN4895A** Black Earpiece with Microphone and Push-To-Talk Combined (2-Wire)

**NOISE KIT**

This lightweight translucent tube attaches to Motorola surveillance accessories to provide additional flexibility and comfort. Clothing clip prevents the accessory from being pulled from the ear due to body movement or head rotation.

- **NTN8370A** Extreme Noise Kit, includes 2 foam earplugs for loud environments, provides 24dB of noise reduction
- **NTN8371A** Low Noise Kit, includes rubber eartip for low noise environments, does not provide hearing protection
- **5080384F72** Replacement Foam Plugs; for use with NTN8370A (pack of 50)
- **5080371E73** Beige Standard Rubber Eartips; for use with NTN8371A (pack of 25)
- **5080371E75** Black Standard Rubber Eartips; for use with NTN8371A (pack of 25)
CLEAR COMFORTABLE EARPIECE
The clear comfortable earpiece forms to the inside of your ear and is perfect for low noise environments. Compatible with the NTN8371A, clear acoustic tube assembly and most surveillance kits (1, 2 and 3-wire). This earpiece is made of easy-to-clean chemically inert, hypoallergenic material. Does not provide hearing protection.

There are 3 items needed to make this product work:
1. Clear Comfortable Earpiece
2. Clear Acoustic Tube Assembly (NTN8371A)
3. Surveillance Kit

RLN4760A Small Custom Earpiece, right ear
RLN4763A Small Custom Earpiece, left ear
RLN4761A Medium Custom Earpiece, right ear
RLN4764A Medium Custom Earpiece, left ear
RLN4762A Large Custom Earpiece, right ear
RLN4765A Large Custom Earpiece, left ear

COMPLETELY DISCREET EARPIECE
Remain discreetly in touch with the miniaturized receiver. All messages received through the user’s two-way radio are inductively relayed to the wireless earpiece in the user’s ear. Inductive neckloop is easily hidden under the user’s clothing for covert operations. Neckloop attaches to the user’s Motorola Surveillance Kit providing completely discreet two-way communications. Security operatives, public safety officials, and private investigators can communicate with ease without any visible equipment. Small as it is, it offers a full range of audio functions including automatic squelch, automatic gain control and noise filtering. Must be used in conjunction with a Motorola Surveillance Kit. Just remove the earpiece on any standard 2 or 3-wire surveillance kit and plug in the neckloop for completely discreet communication.

RLN4922A Earpiece Completely Discreet Earpiece Kit; includes wireless earpiece, inductive neckloop, 6 spare batteries and 5 spare ear wax guards
RLN4919A Ear Wax Guards, pack of 5
RNN4005A 1.4V Battery, pack of 6

MISCELLANEOUS ACCESSORIES
HMN9727A Accessory Clamp, ensures secure connection for all your audio accessories

LIGHTWEIGHT HEADSET
Lightweight headsets allow for high clarity, hands-free, discreet two-way communications while adding comfort necessary for extended wear in moderate noise environments.

RMN4016A* Lightweight Single Speaker Headset with Swivel Boom Microphone for right or left ear operation and in-line PTT
REX4648A Replacement Foam Earpad and Windscreen for RMN4016A

FLEXIBLE EAR RECEIVER
This receive only earpiece contains a flexible earloop and speaker which rests external to the ear.

BDN6720A Flexible Ear Receiver
BND6720AP Resale packaged
7580372E11 Replacement Foam Ear Cushion for BDN6720A

*Misically Safe

American Communication Systems
Discover the Power of Communications™

TO ORDER – VISIT http://www.ameradio.com
Audio & Carrying Accessories

CARRYING CASES
A variety of carrying accessories are available for your comfort and convenience. The carrying cases are available in sizes designed to fit your radio and battery and permit audio to be heard clearly.

STANDARD BELT LOOP CARRY CASES
HLN9428A DTMF Leather Carry Case with Belt Loop for use with standard battery
HLN9429A DTMF Leather Carry Case with Belt Loop for use with FM approved 1100 mAh battery
HLN9431A DTMF Leather Carry Case with Belt Loop for use with FM approved 600 mAh slim battery

HIGH ACTIVITY SWIVEL CARRY CASES
The following carry cases have a high activity swivel “D” button and belt loop. To remove case from belt loop, rotate case 180 degrees and slide case upward, out of the holder. Case stays on belt more securely in high activity applications.
HLN9421A DTMF Leather Carry Case with high activity Swivel belt loop for use with standard battery
HLN9426A DTMF Leather Carry Case with high activity Swivel belt loop for use with FM approved 1100 mAh battery
HLN9427A DTMF Leather Carry Case with high activity Swivel belt loop for use with FM approved 600 mAh battery

CARRYING CASE ACCESSORIES
T-STRAPS
HLN9975A Strap for DTMF, snap

BELT LOOPS
NTN8039B 2-1/2” Replacement Swivel Belt Loop for high activity swivel cases
NTN8040B 3” Replacement Swivel Belt Loop for high activity swivel cases

BELT CLIPS
HLN9724A Belt Clip, 2-1/2”
HLN8255B Spring action 3” Belt Clip

CARRYING STRAP
NTN5243A Adjustable Black Carrying Strap attaches to “D” ring on case

SWIVELLER
TDN1002A Swiveller, includes holster belt and strap
TDN1003A Spare Swiveller Button
HLN9149AR Swivel Belt Loop Adapter for use with HLN9421, HLN9426 and HLN9427
**Universal Chest Pack**

- **HLN6602A** Universal Chest Pack with Radio Holder and Velcro Secured Pocket
- **1505596Z02** Replacement Strap for HLN6602A

**Break-A-Way Chest Pack**

All of the same features as the original chest pack (HLN6602A) plus break-a-way tabs that allow the entire pack to be pulled off with approximately 10 lbs. of pressure. Perfect for railroads, manufacturing locations, construction sites and anywhere safety is a concern.

- **RLN4570A** Break-A-Way Chest Pack

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**RadiPAK™**

- **RLN4815A** Universal RadiPAK™ with Radio Holder is worn around waist with adjustable belt; includes attached 6” by 8” zippered pouch for other job necessities
- **4280384F89** Universal RadiPAK™ Belt Lengthener; fits waists larger than 40”

**Waterproof Bag**

- **HLN9985A** Waterproof Bag; includes large carrying strap

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**Portable Radio Hanger**

The portable radio hanger slides over and hangs from the door panel in a vehicle. The radio’s belt clip slides onto the portable hanger allowing convenient, easy mounting. Two sizes are available to fit door panels.

- **TDN9327A** Portable Radio Hanger for door panels up to 2-3/4”
- **TDN9373A** Portable Radio Hanger for door panels up to 3-1/4”

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American Communication Systems

Discover the Power of Communications™

**TO ORDER – VISIT http://www.ameradio.com**
BATTERIES

PREMIUM NICKEL CADMIUM (NiCd)
HNN8308A 600 mAh, 7.5V (slim)
HNN9628A 1200 mAh, 7.5V
HNN9701A 1100 mAh, 7.5V Intrinsically Safe
HNN9808B 600 mAh, 7.5V (slim) Intrinsically Safe
HNN8133C 1200 mAh, 7.5V, Intrinsically Safe
HNN9987B 1100 mAh, 7.5V (Marine)

POWER NICKEL CADMIUM (NiCd)
WPNN4044AR 1000 mAh, 7.5V

SINGLE UNIT CHARGERS

The single unit Intellicharger utilizes an enhanced charging algorithm that will help maximize the life of your batteries. It will rapidly charge both NiCd and NiMH batteries in approximately 1 hour.

HTN9042A 120V Intellicharger Rapid Rate Charger, 110V
HTN9043A 220V Intellicharger Rapid Rate Charger, 240V
HTN9044A 2400V Intellicharger Rapid Rate Charger, UK Plug, 240V

SINGLE UNIT CHARGERS STANDARD RATE

Single unit standard chargers can charge NiCd batteries in approximately 16 hours.

HTN9702A Single Unit Standard Charger, 110V
HTN9804A Single Unit Standard Charger, European plug, 220V
HTN9805A Standard Charger, United Kingdom plug, 240V

VEHICULAR CHARGER

The vehicular charger is designed to easily charge your batteries in a vehicle by adapting a single unit, rapid rate charger to the cigarette lighter receptacle. This is ideal when a radio is often used in a vehicle.

HLN9719A Vehicular Charger, One Hour, 12V

VEHICULAR BATTERY ELIMINATOR

The battery eliminator saves useful battery life by drawing power from a vehicle’s battery. Simply replace the portable battery with the battery eliminator and plug in the cigarette lighter adapter.

HKN8036B Vehicular Battery Eliminator

TRAVEL CHARGER

A great travelling companion that ensures constant communication while on the road. Allows the battery to rapid charge while using the radio. Includes a voltage regulated lighter adapter, custom charger base and coil cord. Compatible with P1225, GP300, GTX, LTS2000 and P110 radios.

RLN4833A Travel Charger

TRAVEL CHARGER AC TRANSFORMER

Travel Charger AC transformer connects to the cigarette lighter adapter cord to allow it to be plugged into an AC wall outlet for indoor use.

25806000E05 Transformer 120V (US)
25806000E06 Transformer 230V (Euro)
25806000E07 Transformer 230V (U.K.)
25806000E08 Transformer 230V (Argentina)

TRAVEL CHARGER MOUNTING BRACKET

0780384K84 Universal Mounting Bracket for Travel Charger; includes screws and nylon cord
**MOTOROLA CONDITIONING CHARGERS (MCC)**

The MCC utilize negative pulse charging technology that will help extend battery life and enhance battery operation. It will safely condition and charge your specified NiCd and NiMH batteries in approximately an hour. The MCC controls heat buildup due to its charging and termination algorithms and maintenance mode allows batteries to be safely left on the charger for extended periods of time. And now there is an Instant Fault Detection (IFD) feature which detects faulty radio batteries in seconds, which notifies the user that the battery will not operate at peak performance. Optional accessories are available allowing these chargers to be used in both AC and DC environments providing optimal charging flexibility.

- **WPPN4002BR** Base Charge Unit Only, 110V AC (order adapter plates separately)
- **WPPN4006AR** Base Charge Unit Only, 220V AC (order adapter plates separately)
- **WPPN4065BR** Four-Station Base, 110V (order adapter plates separately)
- **WPPN4005BR** Adapter Only, 7V
- **3080384G15** Cigarette Lighter Adapter Cord
- **RLN4814A** Vehicular Mounting Bracket and Hard Wire Cable for single unit Motorola Conditioning Charger
- **3080384M21** DC Hard Wire Cable, for vehicular installation (included in RLN4814A)

**BATTERY MAINTENANCE SYSTEMPLUS (BMSPLUS)**

Increase the useful life of your batteries using interchangeable battery adapters (sold separately). The BMSPlus is capable of charging and discharging, analyzing, conditioning and cycle testing on NiCd, NiMH, Li Ion batteries; tracking battery voltage and capacity (mAh). The BMSPlus offers a 3-year warranty. Its easy-to-use design supports hundreds of 2-way, cellular, and camcorder batteries with printer port* (Serial-RS-232C port—uses female 9-pin to male 25-pin cable).

- **WPLN4079BR** Six-Station, 110V AC, 50/60 Hz
- **WPLN4080BR** Six-Station, 230V AC, 50/60 Hz

*Compatible with the STAR Micronics SP200 series printers, available from any STAR Micronics distributor, and other printers with STAR emulation.

- **WPPN4005AR** BMSPlus field Upgrade Kit for WPLN4079AR, WPLN4080AR and WPLN4081AR, allows these units to support Li Ion battery chemistries
- **NDN4005B** Three-Station, 110V AC 50/60 Hz (does not support Li Ion or 3 cell batteries)
- **NDN4006B** Three-Station, 230V AC 50/60 Hz (does not support Li Ion or 3-cell batteries)

**BATTERY MAINTENANCE SYSTEMPLUS (BMSPLUS) ADAPTERS**

- **TDN9437A** Adapter, for use with HNN9701A batteries
- **TDN9662A** Adapter, for use with HNN9628A batteries
- **TDN9438A** Adapter, for use with HNN8308A and HNN8080B batteries
ANTENNAS
FLEXIBLE WHIP ANTENNAS
Flexible whip antennas have one-piece finish and steel core for optimal radiation characteristics. Provides more comfort when radio is worn on the belt.
8505241U03 Flexible Whip, 806-869 MHz
8505241U04 Flexible Whip, 896-941 MHz

STUBBY ANTENNA
This quarterwave stubby antenna is ideal when radio is worn on the belt because the short antenna is non-obtrusive. This is a broad band antenna that can be used for both 800MHz and 900MHz applications.
8505241U06* Stubby, 806-941MHz, 4”
*8505241U06 is a broadband antenna that operates in the 800/900MHz band

SERVICE MANUALS
6802945C75 GTX 800 Service Manual
6802948C90 GTX 900 Service Manual

BATTERY OPTIMIZING SYSTEM (BOS)
No other battery analyzer matches the speed, accuracy, versatility and ease-of-use of the Battery Optimizing System. Best of all, the Battery Optimizing System helps lower your battery costs, because you will get the maximum performance possible from each battery when it is maintained by the Battery Optimizing System.
• Accommodates NiCD, NiMH, Li Ion and SLA
• Impedance test-checks battery condition in six seconds
• Proprietary recondition cycle restores NiCD and NiMH batteries
• Printer output for reports and labels, computer interface
• High power—programmable from 100mA to 2 Amp per station
• Interchangeable adapters accommodate all major batteries
• Simple, intuitive user interface with keypad

BOS ADAPTERS
WPLN4071AR Four-Station, 110V AC, 50/60 Hz
WPLN4073AR Four-Station, 230V AC, 50/60 Hz

WPLN4071AR

8505241U06

WPLN4073AR
GTX Mobile Radio

GTX MOBILE TRUNKED TWO-WAY RADIOS
To stay on top in today's competitive market place, you need fast, dependable access to the right people and information. And with the innovative GTX family of trunked mobile radios, that's exactly what you get. No matter what your business—taxi and delivery, utilities, construction, or transportation—GTX radio can help you connect with 1, 10, or 100 colleagues instantly, at the touch of a button. Depending on your coverage needs, you can choose from 15W/12W or 35W/30W power models that operate on either 800 or 900 MHz frequencies—with data capabilities that extend your communication options even more. Whichever model you choose, you'll enjoy outstanding Motorola quality—and the great communication you're looking for.

GTX PRIVACY PLUS™ FEATURES:
• Dual Mode Capability... Allows radio to operate on either trunked or conventional systems with 10 trunked modes/8 talkgroups and 10 conventional channels
• Talkaround... Maximizes radio's calling range with unit-to-unit communication that bypasses the repeater
• Time-Out Timer... Automatically shuts off the transmitter after a specified amount of time, helping prevent channel tie-ups
• Telephone Interconnect Response... Enhances radio's functionality by letting users place and receive phone calls
• Scan... Monitor transmissions on Privacy Plus systems, conventional systems, or both
• Horn and Lights Activation... Notifies user of incoming calls when outside the vehicle
• Three-Character Display... At-a-glance identification of talkgroups and other important information

American Communication Systems
Discover the Power of Communications™

TO ORDER—VISIT http://www.ameradio.com
MICROPHONES
HM N 3413A Standard Compact Microphone
HM N 1035C Full Size Palm Microphone
HM N 3013A Non-Backlit Full Size DTMF Microphone

SPEAKERS
Provides audio for high ambient noise environments.
F5N 5510A 7.5W External Speaker

CONTROL STATION
Converts the mobile radio for desktop use for dispatch purposes.
HLN 3067A Low Power Control Station
Package, includes: adapter cable, base tray, black desk mic and power supply

CONTROL STATION ACCESSORIES
HPN 4002B Control Station Power Supply, 1–25 watt
HLN 6405A Rubber Desk Tray without Speaker, Low Power, for use with Model 1
HM N 3008B Desk Microphone
HKN 9088B Adapter Cable

MOUNTING BRACKETS
GLN 7317A Non-locking Bracket

CABLES
GKN 6270A Standard Power Cable
GKN 6271A Ignition Switch Cable

ALARMS
GKN 6272AR External Alarm Relay Cable Kit
GLN 7323A Emergency Foot Switch
ANTENNAS

800 MHZ
HAF4002A 1/4 Wave, Roof Top (806-900 M Hz)
RRA4914B 3dB, Roof Top, Stainless Steel (806-900 M Hz)
RRA4990A 3dB, Roof Top, Black Chrome (806-900 M Hz)
RRA4983A 3dB, Roof Top, Low Loss, Stainless Steel (806-900 M Hz)
RRA4986A 3dB, Roof Top, Low Loss, Black Chrome (806-900 M Hz)

900 MHZ
RRA4935A 3dB, Roof Top with 14 ft. cable (890-960 M Hz)
RAF4003ARM 3dB, Roof Top with 22 ft. cable (890-960 M Hz)

ANTENNA ADAPTERS

HKN9557A Mini UHF to UHF Adapter Cable
2880376E84 Mini UHF Antenna Connector
HLN8027A Mini UHF to BNC Connector

LOW PROFILE ANTENNAS

UHF
RAE4162A White 410-430 M Hz
RAE4163A Black 410-430 M Hz
RAE4164A Black 430-450 M Hz
RAE4165A White 430-450 M Hz
RAE4166A Black 450-490 M Hz
RAE4167A White 450-470 M Hz
RAE4168A Black 450-470 M Hz
RAE4169A White 470-490 M Hz

800 M Hz
RAF4217A White 821-896 M Hz
RAF4218A Black 821-896 M Hz
RAF4219A Black 806-866 M Hz
RAF4220A White 806-866 M Hz

ANTENNA KITS

Includes 3/4 Brass Mount with 17 ft. of RG58U Solid Center Conductor Cable.

UHF
RAE4162ARB White 410-430 M Hz
RAE4163ARB Black 410-430 M Hz
RAE4164ARB Black 430-450 M Hz
RAE4165ARB White 430-450 M Hz
RAE4166ARB Black 470-490 M Hz
RAE4167ARB White 450-470 M Hz
RAE4168ARB Black 450-470 M Hz
RAE4169ARB White 470-490 M Hz

800 M Hz
RAF4217ARB White 821-896M Hz
RAF4218ARB Black 821-896M Hz
RAF4219ARB Black 806-866M Hz
RAF4220ARB White 806-866M Hz

MOUNTS

3080384M44 Black Magnetic W/12 ft. of RG58A/U Cable
3080384M45 Chrome Magnetic W/12 ft. of RG58A/U Cable
3080384M48 3/4 Hole Mini UHF Crimp W/17 ft. of RG58A/U Cable
3080384M46 Chrome Trunk Mount W/17 ft. of RG58A/U Cable
3080384M47 Black Trunk Mount W/17 ft. of RG58A/U Cable