



Software and Accessories

For the Liberty™ Multiband Land Mobile Radio



- Radios
- Programming, Encryption and Software Upgrades
- Batteries and Chargers
- Cases/Holsters
- Antennas
- Audio Accessories
- Surveillance Equipment
- Cables
- Training and Manuals
- Warranty Options

Communications Interoperability in the Palm of Your Hand



Software and Accessories

For the Liberty™ Multiband Land Mobile Radio

The Liberty™ Multiband Land Mobile Radio (LMR) provides interoperability for all of the typical public safety bands in a portable radio approximately the size and weight of typical current single-band portable radios. It provides Project 25 (P25) and Analog FM frequency coverage in the VHF (136-174 MHz), UHF (380-520 MHz), 700 MHz and 800 MHz bands. It operates in P25 conventional, P25 trunked, and legacy analog modes with Output Feedback Data Encryption Standard (OFB DES), Advanced Encryption Standard (AES), and Over-the-Air-Rekey (OTAR) for secure communications. Mil Spec rugged, the Liberty LMR is submersible to two meters. It has successfully completed U.S. Department of Homeland Security Project 25 Compliance Assessment Program (P25 CAP) trunking interoperability and performance testing and is J/F 12 Certified, approved for U.S. Department of Defense land mobile radio operations. A Factory Mutual-certified Intrinsic Safe version is also available, as shown below. **The Liberty LMR is supported by software upgrades, warranty options, training, and a full line of accessories.**

RADIOS

PRC7332

Liberty™ Multiband Land Mobile Radio Basic Unit

- Multiband personal portable radio. Three-year standard warranty included.

PRC7332-SYS

Liberty™ Multiband Land Mobile Radio System

- Includes PRC7332 radio unit, 1600678-1 antenna, 1600691-1 standard capacity battery, 1600701-1 basic charger, 40508 belt clip. Three year standard warranty included on the radio unit.

PRC7332-IS

Intrinsic Safe Liberty™ Multiband Land Mobile Radio Basic Unit

- Multiband personal portable radio. Three-year standard warranty included.

PRC7332-ISYS

Intrinsic Safe Liberty™ Multiband Land Mobile Radio System

- Includes Intrinsic Safe PRC7332-IS radio unit, 1600678-1 antenna, 1600691-3 Standard IS Rechargeable Li-Ion Battery, 1600701-1 basic charger, 40508 belt clip. Three-year standard warranty included on the radio unit.

SOFTWARE UPGRADES

1700964-1

Project 25 Trunking Software

- Provides standard Project 25 trunking functions.

1700965-1

Project 25 Encryption Package

- Includes Project 25 Advanced Encryption (AES-256 bit), Output Feedback Data Encryption Standard (OFB DES-56 bit), and Key Fill Device (KFD) message interface.

1700966-1

Project 25 Over the Air-Re-Keying (OTAR)

- Provides standard Project 25 Over-The-Air-Rekeying functionality.

1700970-1

Liberty™ PC Programmer Software

- Personal computer (PC) software (requires Windows 2000, Windows NT, Windows XP, or Windows 7) for programming handheld radio operating parameters directly from the PC. Requires PN 3100965-501 PC Programming Cable Kit or equivalent.

4102379-501

Liberty Master System Key

- For full access trunked programming for a specific system. Also allows Daughter Key creation for that system. THIS PART IS AVAILABLE ONLY TO TRUNKED SYSTEM OWNERS AFTER VERIFICATION.

77872-001

Liberty Daughter Key Dongle (call for availability)

- To allow restricted programming access for a specific system, as programmed by the System Administrator.

1700971-1

Liberty™ Service Software (call for availability)

- Personal computer (PC) software (requires Windows 2000, Windows NT, or Windows XP) for basic radio alignment and testing control.

BATTERIES AND CHARGERS

1600691-1

Standard Rechargeable Li-Ion Battery

- 7.2 VDC, 35 Wh, 4800 mAh

1600691-2

High Capacity Rechargeable Li-Ion Battery

- 7.2 VDC, 52 Wh, 7200 mAh

1600691-3

Intrinsic Safe-Standard Rechargeable Li-Ion Battery

- Intrinsic Safe version of 1600691-1

4102201-501

AA Clamshell – Black

- AA Battery clamshell cassette (requires 12 AA alkaline cells, not included).

4102201-502

AA Clamshell – Orange

- AA Battery clamshell cassette (requires 12 AA alkaline cells, not included).

4102265-501

Battery Eliminator – Bare Leads

- Used to power Liberty portable LMR from a power supply or other power source. Suggested voltage 7.2 VDC. Operating voltage range 6.0 VDC – 8.5 VDC. Protected against damage up to 24 VDC.



4102265-502

Battery Eliminator – RCA Plugs

- Used to power Liberty portable LMR from a power supply or other power source. Suggested voltage 7.2 VDC. Operating voltage range 6.0 VDC – 8.5 VDC. Protected against damage up to 24 VDC.

1600723-1

Liberty™ Mobile Charger

- Liberty Portable radio mobile mount charger. Can be conveniently console- or dash-mounted.

1600701-1

Basic Single Slot Lithium-Ion Rechargeable Battery Charger

- 120 V AC power only, recommended for desktop use only.

1600683-1

Advanced Six Slot Lithium-Ion Rechargeable Battery Charger

- 120 V AC only, recommended for desktop use only. Also includes battery diagnostics and charge status LED's. (Radios and Batteries not included.)

MA6752

Advanced Desktop/Vehicle DC Lithium Ion Charger Kit

- 120 V AC power for desktop use, or 12 VDC vehicle adapter for vehicle charging. Also includes battery diagnostics and charge status LED's. (Battery not included.)

1600682-1

Replacement Advanced Desktop/Vehicle Charger Unit

- for PN MA6752 Replacement charger unit only. (Battery not included.)

1600694-1

12 Volt DC Cigarette Lighter Adapter

- for PN MA6752 Replacement 12 VDC cigarette lighter adapter.

1600695-1

Replacement 120 Volt AC Power Supply

- for PN MA6752 Replacement AC/DC power supply only.

CASES/HOLSTERS

40508

Spring Loaded Belt Clip

- Attaches to battery for slim profile.

1600697-1

Leather Carry Case D-ring for Radio with Rechargeable Battery

- Swivel D-ring included. Order for use with Rechargeable Lithium Ion Battery.

1600697-2

Leather Carry Case, Belt Loop for Radio with AA Clamshell

- Order for use with AA Clamshell Battery.



1600697-3

Leather Carry Case, Belt Loop for Rechargeable Battery

- Order for use with Rechargeable Battery.

1600702-1

Nylon Duty Case for Radio with Rechargeable Battery

- Order for use with Lithium Ion Rechargeable Battery when nylon is preferred or in high salt/ moisture areas.

1600704-1

Chestpack Holster - Black

- Includes space for radio, spare battery, and map pouch.

1600704-2

Chestpack Holster - Orange

- Includes space for radio, spare battery, and map pouch.



ANTENNAS

1600678-1

Liberty™ Multiband Radio Antenna

- Broadband antenna covering all bands, VHF (136-174 MHz), UHF (380-520 MHz), 700 MHz, and 800 MHz.



AUDIO ACCESSORIES

1600703-1

Audio/Programming Side Connector Adapter

- Includes 6-pin Hirose connector for audio and keyfill, and USB for programming, cloning, and data transfer.



1600696-1

Speaker Microphone

- Balanced audio, Push-To-Talk (PTT) switch, 2.5mm surveillance audio jack, emergency button, 36" coiled cable.

1600696-4

Intrinsic Safe Speaker Microphone

- Balanced audio, Push-To-Talk (PTT) switch, 2.5mm surveillance audio jack, emergency button, 36" coiled cable.

1600728-1

Ruggedized Speaker Microphone

- High temperature speaker, balanced audio, Push-To-Talk (PTT) switch, emergency button, 36" coiled cable.

1600728-2

Intrinsic Safe Ruggedized Speaker Microphone

- High temperature speaker, balanced audio, Push-To-Talk (PTT) switch, emergency button, 36" coiled cable.

1600696-3

GPS Speaker Microphone (call for availability)

- GPS receiver, balanced audio, Push-To-Talk (PTT) switch, 2.5mm surveillance audio jack, emergency button, 36" coiled cable.

1100542-501

Earphone Kit for Speaker Microphone

- Plugs into the ear, connects to the Speaker Microphone and "mutes" its speaker.



- All sales to non-US persons require U.S. Government approval in accordance with Part 744 of the Export Administration Regulations (EAR).
- Specifications are subject to change without notice.



42803-001

Lightweight Headset

- Contains boom microphone, PTT, and in/near ear headset.

42804-001

Heavy Duty Headset

- Contains boom microphone, PTT, and over the ear headset.



SURVEILLANCE EQUIPMENT

1600497-1

Security Harness (3 Wire)

- Tan in color with wired earpiece. Requires Audio/ Programming Side Connector Adapter, PN 1600703-1.



1600497-2

Security Harness (3 Wire)

- Black in color with wired earpiece. Requires Audio/ Programming Side Connector Adapter, PN 1600703-1.



1600497-3

Security Harness (2 Wire)

- Tan in color with wired earpiece. Requires Audio/ Programming Side Connector Adapter, PN 1600703-1.



1600497-4

Security Harness (2 Wire)

- Black in color with wired earpiece. Requires Audio/ Programming Side Connector Adapter, PN 1600703-1.



1600497-6

Wireless Earpiece for Security Harness

- Requires 1600497-8 neck loop transducer.



1600497-8

Neck Loop Transducer For wireless earpiece.

- Requires Audio/Programming Side Connector Adapter, PN 1600703-1.



CABLES

1600703-1

Audio/Programming Side Connector Adapter

- Includes 6-pin Hirose connector for audio and keyfill, and USB for programming, cloning, and data transfer.



3100965-501

PC Programming Cable Kit

- Consists of 1600703-1 Audio/ Programming Side Connector Adapter and COTS USB Type A male / Mini-AB cable. Used to connect radio to PC for programming.



3100966-501

Radio Cloning Cable Kit

- Consists of two 1600703-1 Audio/ Programming Side Connector Adapters and COTS USB Mini-A to USB Mini-B cable. Used for radio-to-radio cloning.



1600705-1

Universal Cable

- Cable with flying leads to connect radio to user-specific applications.

85482-001

Audio Cable

- Cable with bare leads – side mount.

TRAINING AND MANUALS

Operator Training

- Basic radio introduction and operation. 1/2- day class. Minimum 10 students per day. Recommended maximum class size 20 students.

84382

Liberty™ Operator Manual

- Provides details on radio operation and capabilities. Note that this manual is also available free online to registered users at www.thalescomminc.com.



84382-IETM

Liberty™ Operator Manual

- CD providing details on radio operation and capabilities.

84403

Technical Services Manual (call for availability)

- Provides technical details on maintenance and general repair for the radio. Note that this manual is also available online at www.thalescomminc.com to registered users.

WARRANTY OPTIONS

PRC7332-EW

Liberty™ Radio – 1 Year Extended Warranty

- Must be ordered at the time of equipment purchase or prior to expiration of the standard warranty. (Customers may order up to 2 years for a total warranty period of 5 years.)

PRC7332-IS-EW

Intrinsic Safe Liberty™ Radio – 1 Year Extended Warranty

- Must be ordered at the time of equipment purchase or prior to expiration of the standard warranty. (Customers may order up to 2 years for a total warranty period of 5 years.)

SERVICES

Technical Services - Repairs

- Repair of Liberty radio assembly; includes return shipping costs only.

Technical Services - Programming

- Liberty radio programming services available. Call for details and/or quote.



Thales Communications, Inc.

22605 Gateway Center Drive, Clarksburg, MD 20871
 Toll-Free: 1.800.258.4420 | Phone: 240.864.7000 | Fax: 240.864.7920
 E-mail: liberty@thalescomminc.com | www.thalesliberty.com

