



NEXT GENERATION MOTOTRBO

INTRODUCTION



- We have used technical innovation and our real-world experience to update the MOTOTRBO portfolio
- This program brings a package of enhancements to MOTOTRBO Professional Radios
- It enhances the value of the MOTOTRBO portfolio, and opens up new opportunities

YOU'RE SAFER

YOU'RE MORE EFFICIENT

YOU'RE MORE
PRODUCTIVE

SCOPE AND NAMING



**DP2000e
SERIES**

DP2600e
DP2400e



**DM4000e
SERIES**

DM4601e / DM4600e
DM4401e / DM4400e



**DP4000e
SERIES**

DP4801e / DP4800e
DP4601e / DP4600e
DP4401e / DP4400e



DP3441e

DP3441e



**SL4000e
SERIES**

SL4010e /
SL4000e

FEATURES AND BENEFITS



YOU'RE SAFER

Indoor Location-Tracking
Multi-Constellation GNSS
Integrated Accelerometer
Improved HazLoc Portfolio
Environmentally Responsible

YOU'RE MORE EFFICIENT

Wi-Fi® Radio Update
Clearer Audio
Future Capabilities

YOU'RE MORE PRODUCTIVE

Up to 8% Longer Range
Up to 29 hrs Battery Life
Improved Durability
Silent Alert

FEATURES AND BENEFITS



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Multi-Constellation GNSS
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Environmentally Responsible

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Wi-Fi Radio Update
Clearer Audio
Future Capabilities

YOU'RE MORE PRODUCTIVE

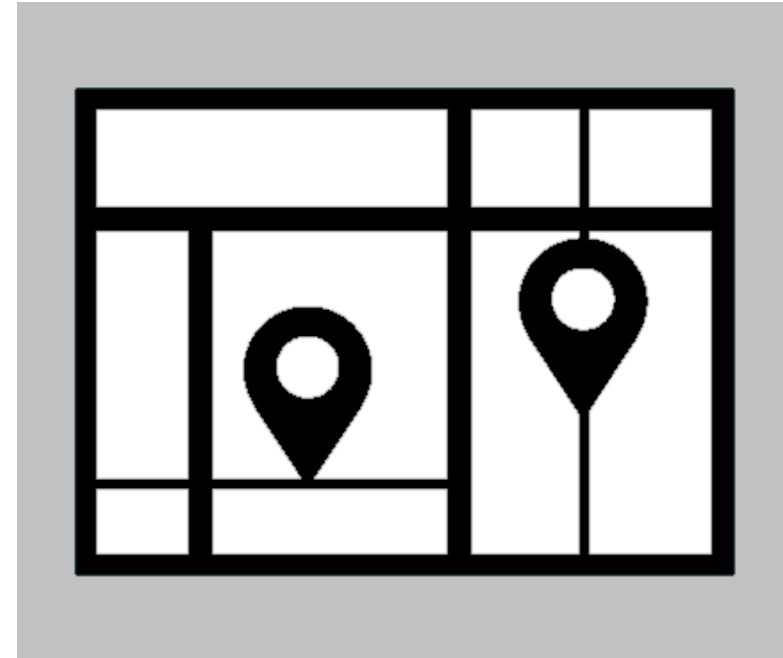
Up to 8% Longer Range
Up to 27 hrs Battery Life
Improved Durability
Silent Alert

YOU'RE
SAFER

INDOOR LOCATION TRACKING



- Enhanced radios have integrated Bluetooth® 4.0
- Enables power-efficient indoor tracking solution:
 - Facility is equipped with several Bluetooth “beacons”
 - Radios sense their proximity to the beacons
 - Application displays radio locations on map or floorplan
- Will be supported by standalone MOTOTRBO applications and third-party GPS Apps
- Optional, chargeable feature
 - CFS PART NUMBER: HKVN4431
 - INDOOR LOCATION TRACKING will be available from MOTOTRBO SW R.2.6 with a new application



NOW YOU CAN KEEP TRACK OF EVERYONE

DP2000e
SERIES

DM4001e
DM4601e

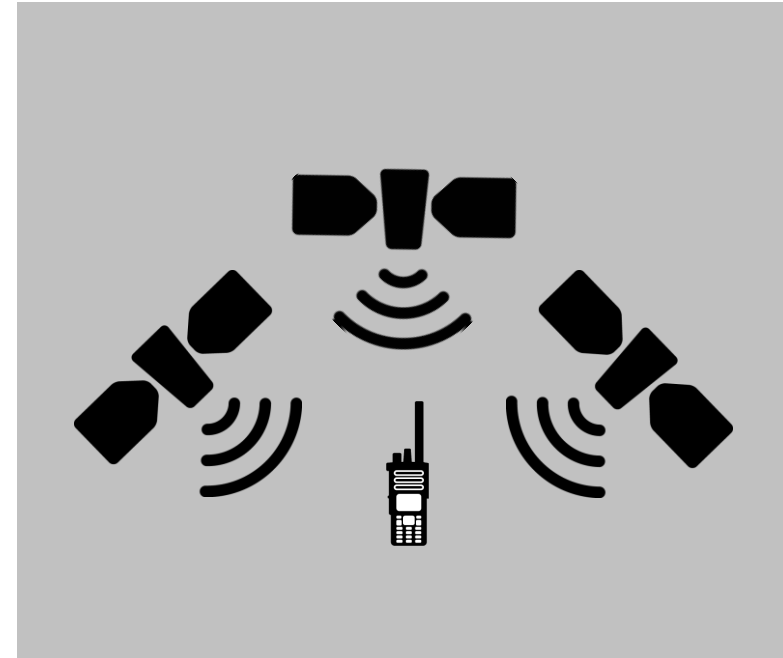
DP4401e
DP4601e
DP4801e

DP3441e

SL4000e
SL4010e

MULTI-CONSTELLATION GNSS

- Enhanced radios support multiple satellite navigation standards:
 - GPS (USA)
 - GLONASS (Russia)
 - BeiDou / Compass (China)
 - Galileo (Europe – future)
- Increases positioning reliability
 - Easier to get a satellite fix in difficult areas – like city centres
- Enhances positioning accuracy
 - Select both GPS and GLONASS for added accuracy
 - Dual-receiver mode delivers better triangulation
- Will be supported by third-party location monitoring/tracking Apps



NOW YOU CAN TRACK YOUR ASSETS MORE ACCURATELY

DP2000e
SERIES

DM4001e
DM4601e

DP4401e
DP4601e
DP4801e

DP3441e

SL4000e
SERIES

YOU'RE
SAFER

INTEGRATED ACCELEROMETER



MOTOROLA
SOLUTIONS

- Enhanced radios have a built-in accelerometer
- Senses radio orientation and motion
- Enables Man Down alarm based on:
 - Angle
 - Movement
 - No Movement
 - Angle + No Movement
- Man Down is an optional, chargeable feature
 - CFS PART NUMBER: HKVN4405
 - MOTOTRBO 2.5 release



NOW YOU CAN SAFEGUARD VULNERABLE WORKERS

DP2000e
SERIES

DM4000e
SERIES

DP4401e
DP4601e
DP4801e

DP3441e

SL4000e
SL4010e

YOU'RE
SAFER

IMPROVED HAZLOC PORTFOLIO



MOTOROLA
SOLUTIONS

- Enhanced radio portfolio offers more choice for HazLoc customers
- New DP2000e Series HazLoc radios
- Improved certification for DP4000e Series
 - Now includes Division 2: Class 1, Group A, B, C, D
- Tested to TIA-4950, certified by Underwriters' Laboratories (UL)
 - Division 1: Class I, Groups C, D, Class II, Group E, F, G Class III, T3C
 - Division 2: Class 1, Group A, B, C, D
- HazLoc certification is optional
- Requires UL-certified battery
- Only certified with specific battery
 - DP4000e: PMNN4489
 - DP2000e: PMNN4490



NOW YOU HAVE MORE OPTIONS FOR COMPLIANCE

DP2000e
SERIES

DM4000e
SERIES

DP4000e
SERIES

DP3441e

SL4000e
SERIES

YOU'RE
SAFER

ENVIRONMENTALLY RESPONSIBLE



- Enhanced radios meet and exceed all regulations for minimising potentially hazardous substances
- Zero halogen content
- Phthalate-free
- Compliant with all European RoHS regulations



NOW YOU CAN TAKE MORE CARE OF THE ENVIRONMENT

DP2000e
SERIES

DM4000e
SERIES

DP4000e
SERIES

DP3441e

SL4000e
SERIES

FEATURES AND BENEFITS



YOU'RE SAFER

Indoor Location-Tracking
Multi-Constellation GNSS
Integrated Accelerometer
Improved HazLoc Portfolio
Environmentally Responsible

YOU'RE MORE EFFICIENT

Wi-Fi Radio Update
Clearer Audio
Future Capabilities

YOU'RE MORE PRODUCTIVE

Up to 8% Longer Range
Up to 27 hrs Battery Life
Improved Durability
Silent Alert

YOU'RE
MORE
EFFICIENT

WI-FI REMOTE RADIO UPDATE



- Enhanced radios have integrated Wi-Fi capability
 - 802.11b / g / n, up to 8 Mbps
- New Radio Management 2.0 functionality uses Wi-Fi to download new radio firmware
 - Radio firmware update
 - Codeplug programming
 - CFS licence activation over Wi-Fi (except WiFi CFS key activation)
- Complete no-touch radio management
 - Available as a customer feature
 - Available as a service
- Optional, chargeable feature
 - CFS PART NUMBER: HKVN4379
 - MOTOTRBO 2.6 release



NOW YOU CAN MANAGE YOUR RADIOS EFFICIENTLY

DP2000e
SERIES

DM4001e
DM4601e

DP4401e
DP4601e
DP4801e

DP3441e

SL4000e
SL4010e

YOU'RE
MORE
EFFICIENT

CLEARER AUDIO



MOTOROLA
SOLUTIONS

- Enhanced radios have improved audio
- Redesigned audio amplifier
 - Speech is now much clearer, especially at high volumes
- Dual porting for microphone
 - Effectively reduces wind noise
- New noise cancellation feature: SINC+
 - “**S**ingle microphone **I**ndustrial **N**oise **C**ancellation”
 - Optional, chargeable feature, MOTOTRBO 2.5 release



NOW YOU CAN COMMUNICATE MORE RELIABLY

DP2000e
SERIES

DM4000e
SERIES

DP4000e
SERIES

DP3441e

SL4000e
SERIES

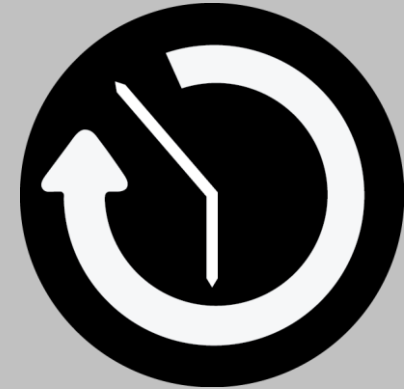
YOU'RE
MORE
EFFICIENT

FUTURE-READY



MOTOROLA
SOLUTIONS

- Enhanced radios have increased memory
- Double the memory
 - RAM increased from 64 MB to 128 MB
 - Flash storage Increased from 128 MB to 256 MB
- More space for growth
 - Current capabilities: for example voice announcement files
 - Future growth: new features may require more storage
- Standard on all enhanced radios



NOW YOU CAN INVEST WITH CONFIDENCE

DP2000e
SERIES

DM4000e
SERIES

DP4000e
SERIES

DP3441e

SL4000e
SERIES

FEATURES AND BENEFITS



YOU'RE SAFER

Indoor Location-Tracking
Multi-Constellation GNSS
Integrated Accelerometer
Improved HazLoc Portfolio
Environmentally Responsible

YOU'RE MORE EFFICIENT

Wi-Fi Radio Update
Clearer Audio
Future Capabilities

YOU'RE MORE PRODUCTIVE

Up to 8% Longer Range
Up to 27 hrs Battery Life
Improved Durability
New Accessories

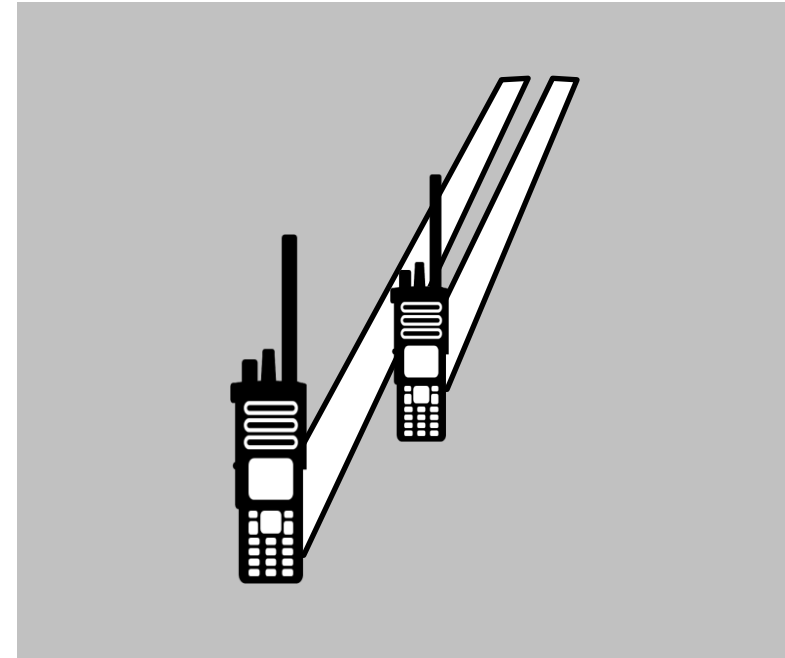
YOU'RE
MORE
PRODUCTIVE

LONGER RANGE



MOTOROLA
SOLUTIONS

- Enhanced radios have redesigned receiver circuitry
- Analogue sensitivity is improved
 - From 0.22 μV to 0.16 μV (typical, 12 dB SINAD)
- Digital sensitivity is improved
 - From 0.19 μV to 0.14 μV (typical, 5% BER)
- Talk-out range is increased by 5 – 8%
- Coverage area is increased by 10 – 16%



NOW YOU CAN REACH EVEN FURTHER

DP2000e
SERIES

DM4000e
SERIES

DP4000e
SERIES

DP3441e

SL4000e
SERIES

YOU'RE
MORE
PRODUCTIVE

HIGHER POWER



- Maximum SL4000e Series transmit power increased from 2W to 3W
- High-Low Power toggle feature introduced, where:
 - Low power = 1W
 - High Power = 2W or 3W*

* can be retuned for 2.5W where channel license dictates



NOW YOU CAN REACH EVEN FURTHER

DP2000e
SERIES

DM4000e
SERIES

DP4000e
SERIES

DP3441e

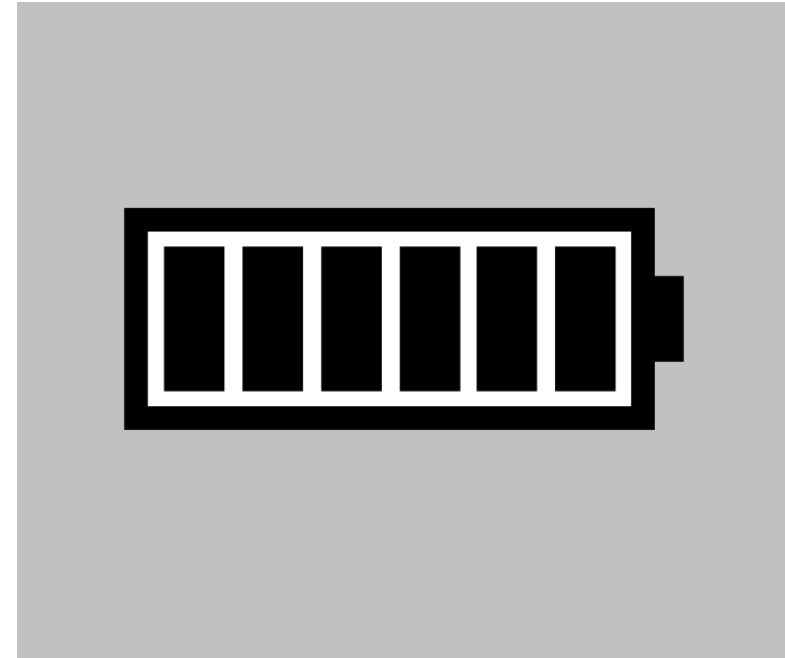
SL4000e
SERIES

YOU'RE
MORE
PRODUCTIVE

EXTENDED BATTERY LIFE



- Enhanced radios have extended battery life
- More efficient circuitry
- Low-voltage battery technology
 - Up to 29 hours battery life
 - Requires new low voltage batteries
- Compatible with existing batteries (without delivering extended battery life)
- New batteries are backwards-compatible with earlier radios (without delivering extended battery life)



DP2000e
SERIES

DM4000e
SERIES

DP4000e
SERIES

DP3441e

SL4000e
SERIES

NOW YOU CAN WORK FOR EVEN LONGER

YOU'RE
MORE
PRODUCTIVE

ENHANCED DURABILITY



- Enhanced radios have improved sealing to keep out dust and water
- IP ratings:
 - DP4000e Series: IP68 (was IP57)
 - DP3441e: IP68 (was IP67)
 - DP2000e Series: IP67 (was IP55)
 - SL4000e Series: IP54 (unchanged)
 - DM4000e Series: IP54 (unchanged)
- IP Rating: First digit refers to dust resistance, second digit refers to water resistance
 - IP68: Completely dust-tight, waterproof to 2 m for 2 hrs
 - IP67: Completely dust-tight, waterproof to 1 m for 30 mins
 - IP54: Dust-proof, protected against water splashes



NOW YOUR RADIO IS EVEN TOUGHER

DP2000e
SERIES

DM4000e
SERIES

DP4000e
SERIES

DP3441e

SL4000e
SERIES

YOU'RE
MORE
PRODUCTIVE

SILENT ALERT



- New vibrating belt clip available for DP4000e and DP2000e series radios
- Will give a physical alert whenever a call or text is received
- Similar to vibrate function in SL4000e Series
- Mechanism is close to user's body, so very effective
- Improves usability
 - Users don't miss alerts in very high noise environments
 - Users don't disturb customers in quiet environments



DP2000e
SERIES

DM4000e
SERIES

DP4000e
SERIES

DP3441e

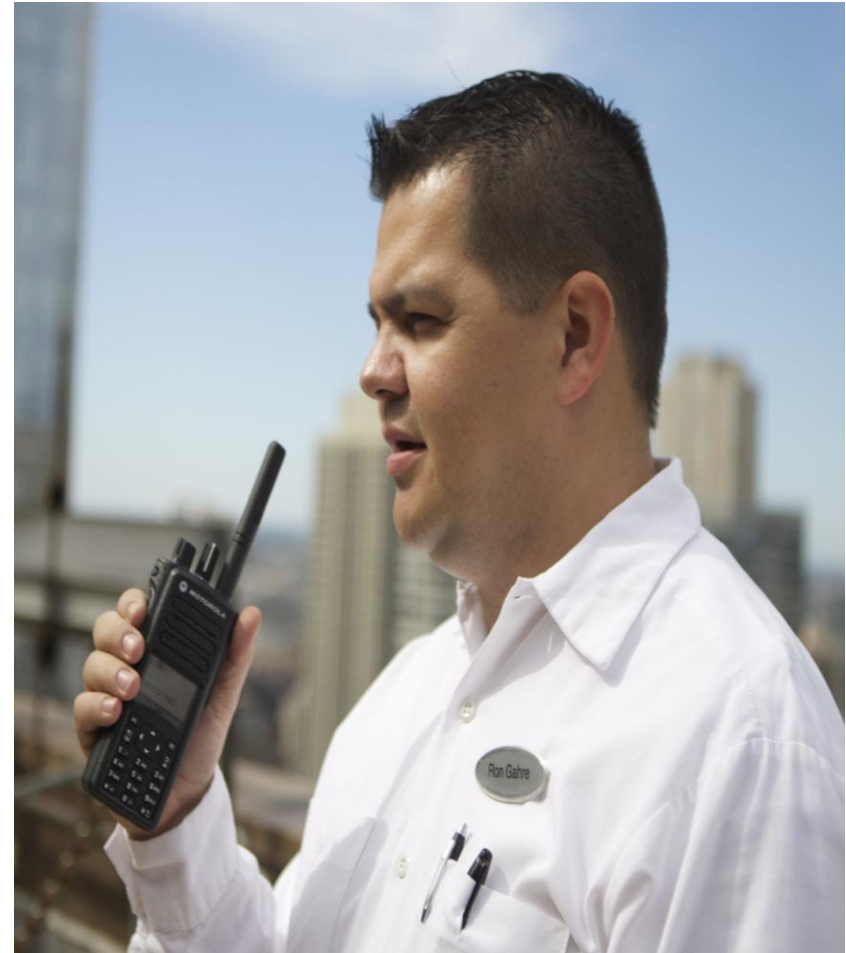
SL4000e
SERIES

NOW YOU CAN BE EVEN BETTER CONNECTED

SUMMARY



- We have used innovation and our real-world experience to update the MOTOTRBO professional radio portfolio
- Next-Generation MOTOTRBO radios help you to be safer, more efficient and more productive
- The new features open up new opportunities for your organisation





MOTOROLA
SOLUTIONS

THANK YOU