

Maxon America Product Training Packet Q2 2026



TP Series Analog

TP 8402/8102 (Display UHF/VHF)
TP 5416/5116 (Non-Display UHF/VHF)

Most Popular Maxon radio line; Great for Schools, Offices, Warehouses,
Hospitality, Event Security

- 5W VHF (136-174 MHz) & 4W UHF (400-470 MHz)
- 1W Audio output
- TP-8000 (512 Ch) / TP-5000 (16 Ch)
- TP-8000 (IP-67) / TP-5000 (IP-54)
- 2 Pin Connector (Motorola compatible)
- 2600mAh (in-box) & 3350 mAh batteries available
- Voice Inversion Scrambler
- CTCSS, DCS, 2Tone Paging Decode, 5Tone Selcall, DTMF, ANI
- VOX
- Remote Stun/Revive
- Dual Slot Charger & Dual Slot Gang Charger Available
- Cloning capability
- 3 Year Warranty, Made in S Korea



TP-8402/8102



TP-5416/5116

TSD Series DMR

TSD-4424/4416 (UHF 410-470 MHz)
TSD-4124/4116 (VHF 136-174 MHz)

Most popular & Best Value DMR Portable; Great for Schools, Offices, Warehouses, Hospitality, Event Security

- 5W UHF & VHF
- 1W Audio output
- DMR Tier II, Analog, Mixed Mode
- 512 Channels (32 Zones)
- AES Encryption (256)
- IP-54, MIL-STD-810F/G
- 2 Pin Connector (Motorola compatible)
- 2600mAh (in-box) & 3350 mAh batteries available
- CTCSS, DCS
- VOX
- Voice Recorder (Display)
- Text Messaging (Display)
- Dual Slot Charger & Dual Slot Gang Charger Available
- 1-3 Year Warranty Options, Made in S Korea



MDP-5000 Series DMR

MDP 5124/5424 (Display UHF/VHF)

MDP 5416/5116 (Non-Display UHF/VHF)

Tough & POWERFUL, 5W, IP-67, full featured DMR/Analog radio in display (w/rotary channel knob & non-display)

Perfect for Security, Construction, Teachers/Custodians, Utility Companies, Fire Depts, Forestry

- 5W VHF (136-174 MHz) & 5W UHF (406-470 MHz)
- DMR Tier II, Analog
- 1024 Ch /10 Zones (Display), 48 Channels / 3 Zones (Non-Display)
- 50 Contacts & Call Log
- Dimensions: 4.49 x 2.08 x 1.28", Weight 229g (Non-Display)249g (Display)
- Rotary Channel Knob
- AES256 + DMRA AES256 Encryption Std
- 2600 mAh Battery & 3350 mAh (*option*)
- IP-67
- Motorola 2-pin connector
- Programmable Partial Keypad & buttons
- 2Tone, 5Tone
- CTCSS, DCS
- VOX
- Lone Worker (*Standard*)
- SMS Text Messaging
- Vibrate (*Standard*)
- SFR Option
- 6 Radio Dual Slot Charger & Gang Charger Available for Non-Display
- 3-5 Year Warranty Options, Made in S Korea



MDP-5424/5124

MDP-5416/5116

MDP-6000 Series DMR

MDP 6424/6124 (UHF/VHF)

Tough & POWERFUL, 5W, IP-67, full featured DMR/Analog radio in a ergonomic size.

Perfect for Security, Construction, Teachers/Custodians, Utility Companies, Fire Depts, Forestry

- 5W VHF (136-174 MHz) & 5W UHF (406-470 MHz)
- DMR Tier II, Analog & Mixed Mode
- 2500 Channels, 64 Zones, 1024 Channels Per Zone
- 240 Contacts & Call Log
- Dimensions: 4.52 x 2.17 x 1.26", Weight 249g
- AES-CTR 256 Encryption Std (*Factory Option for Motorola/DMRA AES 256 available*)
- 2600mAh (in-box) & 3350 mAh batteries available
- IP-67
- Motorola 2-pin connector
- LCD Display (UHF Version), OLED display (VHF Version)
- LED Flashlight
- Programmable Partial Keypad
- CTCSS, DCS
- 5 Level VOX
- Lone Worker (*Standard*); (*Factory option for "Man Down" available*).
- SMS Text Messaging
- Voice Record
- Wireless & Wired Cloning
- Vibrate (*Standard*)
- Dual Slot Charger & Gang Charger Available
- Control volume on Maxon MDS Wireless Speakers
- 3-5 Year Warranty Options, Made in S Korea

10 Cup Dual Slot Gang Charger -
Radio/Battery & Battery



MDP-6124/6424



MDP-7000 Series DMR

MDP 7424/7124 (UHF/VHF)

Tough & POWERFUL, 5W, IP-67, full featured DMR/Analog radio w/Full Keypad.

Perfect for Security, Irrigation / Golf Courses, Construction, Teachers/Custodians, Utility Companies, Fire Depts, Forestry

- 5W VHF (136-174 MHz) & 5W UHF (406-470 MHz)
- DMR Tier II, Analog & Mixed Mode
- 1024 Channels combined across (up to) 64 Zones
- 240 Contacts & Call Log
- Dimensions: 130.51mm(H) x 62.6mm(W) x 39.05mm(D), Weight 275g
- IP-67
- Full Keypad for SMS Texting
- DTMF & 2 Tone Encode & Decode
- LED Flashlight
- AES-CTR 256 Encryption Std (*Factory Option for Motorola/DMRA AES 256 available*)
- 2600mAh (in-box) & 3350 mAh batteries available
- Hytera-style (H8) Locking Multi-pin Connector.
- English & Spanish Menus
- CTCSS, DCS
- 5 Level VOX
- Lone Worker (*Standard*); (*Factory option for "Man Down" available*).
- Voice Record
- Wireless & Wired Cloning
- Vibrate (*Standard*)
- Dual Slot Charger & Gang Charger Available
- Control Volume on Maxon MDS Wireless Speakers
- Single Frequency Repeater (*Factory Option*)
- 3-5 Year Warranty Options, Made in S Korea



MDP-7424/7124

**6 Cup Dual Slot Gang Charger -
Radio/Battery & Battery**



MBR-400 & TPD-8424 Series DMR

MBR-400 (2W Display UHF)
TPD-8000 (3W Display UHF)

Maxon's Low Powered Business & Pocket DMR Digital Radios; Perfect for Retail, Restaurants, Churches, Social Clubs

MBR-400

2W Digital DMR, Analog, & Mixed Mode Operation

16 Channels of Preprogrammed Business Itinerant Frequencies in DMR Digital in 1 Zone

Out of Box will have most features turned off for ease of use

Built-in 2000mAh battery; 18hr talk time

1W Audio Output

Vibrate

VOX (*Hand's Free*); Channel Announcement; Spanish Language Mode (*menus*)

Dealer CPS will program: 440-470MHz UHF DMR Tier 2, Analog, or Mixed Mode per Channel. CPS also used to activate radio features such as AES 256 Encryption, Man Down, Voice Record, Remote Stun/Revive, Programmable Buttons

Over the Air Program Cloning

Single Slot Charger w/USB-C Cable included; Can also charge w/USB-C cable; 6-unit Multi Charger available

Comes w/"C" Style VOX earpiece. 2 Pin connector is unique to MBR due to VOX compatibility & audio accessory behavior

Forward-facing Maxon Swivel Holster

IP-54

2-3 Year Warranty



MBR-400

TPD-8424

TPD-8424

3W Digital DMR, 2W Analog UHF (440-470 MHz)

512 Channels (32 Ch, 16 Zones)

1W Audio, LED Flashlight, Vibrate

VOX, SMS Texting, AES 256 Encryption, Programmable Buttons, Direct Call (54 contacts), Remote Stun/Revive

Dual Slot Charger included (*also charges 2200 mAh battery*); No Gang Charger Available

Swivel Holster

IP-54, MILSTD-810F

Comes in Black, Blue, and Orange

3-5 Year Warranty

TS & TJ Series Analog

TS-3416/3116 (4W UHF/ 5W VHF)
TJ-3400U/3100V (2W Display UHF/VHF)

Maxon's Economical & Low Power Radios; Perfect for Hospitality, Retail, Restaurants, Churches, Schools, Events

TS-3416/3116

- TS-3416 (400-470MHz), TS-3116 (136-174MHz)
- 16 Channels
- 2 Pin Connector (Motorola compatible)
- CTCSS, DCS
- VOX
- Single Slot Charger included; Gang Charger Available
- 1 Year Warranty, Made in China

TJ-3400U/3100V

- TJ-3400U (440-470 MHz), TJ-3100V(140-174 MHz)
- Preprogrammed w/user-selectable Jobsite Itinerant Freqs, but also SW Programmable
 - TJ-3400 (89 selectable freqs) / TJ-3100 (27 selectable freqs)
 - CTCSS (53 selectable tones), DCS (104 selectable tones)
- Weather Channels, VOX, Voice Scrambler, DTMF
- IP-54, MILSTD-810F
- Single Slot Charger included; Gang Charger Available
- 2 Year Warranty, Made in S Korea



TS-3416/3116

TJ-3400U/3100V

MP-4000 Series Analog

MP-4424/4124 (5W Display UHF/ VHF)
MP-4416/4116 (5W Non-Display UHF/VHF)

Maxon's newest price friendly radios; 5W for both UHF & VHF models!
Perfect for Schools, Hospitality, Retail, Restaurants, Churches, Events.

MP-4416/4116

- MP-4416 (400-470MHz), MP-3116 (136-174MHz)
- 16 Channels
- CTCSS, DCS
- 2 Pin Connector (Motorola compatible)
- Dual Slot Charger included; Gang Charger Available
- 1-5 Year Warranty options, Made in S Korea

MP-4424/4124

- MP-4424 (400-470 MHz), MP-4124 (136-174 MHz)
- 1024 Channels
- VOX, Monitor, DTMF Encode/Decode, CTCSS/DCS, Flashlight, IP-54
- Dual Slot Charger included; Gang Charger Available
- 1-5 Year Warranty options, Made in S Korea



MP-4416/4116

MP-4424/4124

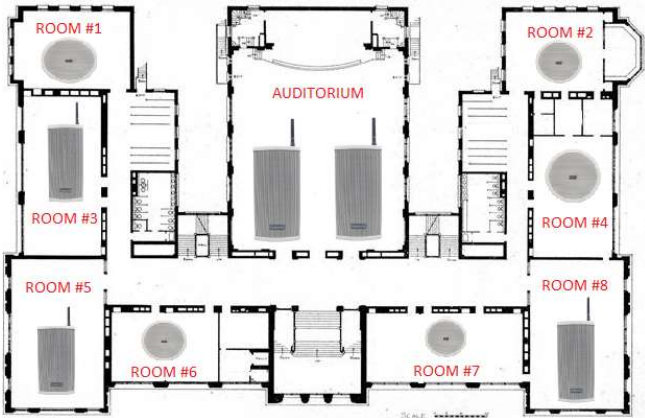
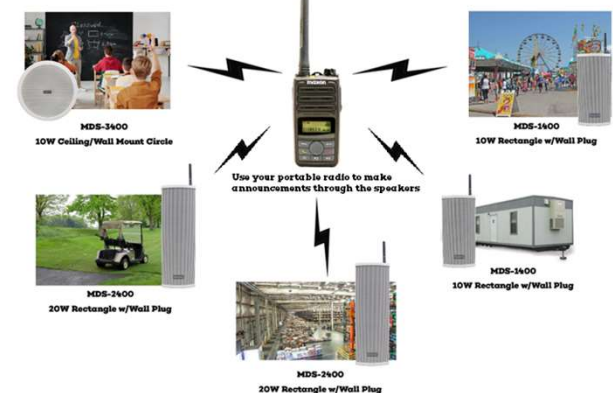
MDS-Wireless DMR Loudspeakers

- MDS -1400 (10W) Wall Plug
- MDS -2400 (20W) Wall Plug
- MDS -2100 (20W) Wall Plug (VHF)
- MDS -3400 (10W) Ceiling Mount



- Receive-Only (Rx) Radio Wireless Loudspeaker System
- 20W & 10W portable w/wall plug & 10W Ceiling-mount (AC 110V wall plug) available
- Back Up Battery (5-Hr Broadcasting, 9-Hr Standby) for Power Disruptions
- Works w/any DMR Tier II Digital or Analog UHF radio in 400-470 UHF Band, 20W VHF version also available.
- Unlimited # of Speakers & Radios can be used
- Single Channel (Store up to 32 additional Channels; Selectable via CPS SW)
- Programmable DMR / Analog / Mixed Mode per Channel
- Private Call, All Call, or create Groups to use only specific loudspeakers in DMR Digital
- CTCSS/DCS can be used in Analog mode to access specific loudspeakers
- Broadcast Alerts via your portable radio for Emergencies
- Programmable via Bluetooth PC Dongle (USB)
- Each speaker comes with basic mounting brackets for wall or ceiling installation
- IP-54 rated for blowing rain. Will withstand normal weather outside.

Use wherever loudspeakers are needed:
Schools, Factories, Terminals, Shopping Centers,
Large Stores, Parking Lots, Golf Courses,
Amusement facilities, Warehouse &
Distribution Centers, Public Address Alerting



When using in DMR Digital, each speaker has a unique ID (OWN ID) that is used to identify each speaker. It allows the portable radio to select that specific speaker for volume control, or to broadcast to that specific speaker only. For a visual example, using the figure above you could program your portable DMR radio to speak to all the rooms with a speaker at once, or just a few speakers at a time (Program your portable radio to broadcast only to Room #6 & #2).

For Analog radio set-up, you will need to program CTCSS/DCS codes along with your radio frequency in specific speakers for privacy and also to differentiate between speakers when transmitting.

ER-9000 Series DMR Repeater

ER-9000 U1 (400-470 MHz)
ER-9000 VHF (136-174 MHz)

- 50W VHF & 45W UHF
- **DMR Tier II, Analog, Mixed Mode (Auto-Sensing)**
- 128 Channels
- 100% Continuous Duty Cycle
- Community Repeater
- Dimensions: 19" wide, 1U Rack or Shelf Mount, Weight 16.75lbs
- Multi-Site IP Connect up to 64 ER-9000 repeaters; IP Connect UHF/VHF Cross-band, connect DMR to Analog fleets
- Remote Monitor, Programming, & SW Upgrades via RJ45 connected to Internet
- Integrated Power Supply – with Battery Backup Connection
- Multiple Accessory Connectors (DB26, DB15, DB9)
- 3 Year Warranty



TM Series Analog Mobiles

TM-8402C (UHF 400-470 MHz)
TM-8102C (VHF 138-174 MHz)

- 50/25/10W VHF & 45/25/10W UHF
- 512 Channels
- IP-54, MIL-STD-810F
- PA Function, External Speaker Jack
- Comandered Audio
- CTCSS, DCS, 2Tone Decode
- DTMF Encode/Decode, DTMF ANI
- POCSAG Capable
- **Base Station Desktop Mic and Enclosure Cabinet available**
- **Convert Two Mobiles into a repeater w/repeater Cable**
- 3 Year Warranty, Made in S Korea



MDM Series DMR Mobile

MDM-4424 (UHF 406-470 MHz)
MDM-4124 (VHF 136-174 MHz)

- 50W VHF / 45W UHF
- 2048 Channels / 64 Zones / 1024 Per Zone
- 240 Contacts
- CTCSS, DCS
- Bright OLED Screen
- Compatible w/MOTOTRBO
- Lone Worker
- One-Touch Text
- Stun/Revive
- Voice Record
- 256bit AES Encryption (AES-CTR)
- Base Station Option Available
- Shares same accessories/connections as TM-8000 mobile
- Single Frequency Repeater (*Factory Option*)
- Motorola/DMRA AES 256bit Encryption (*Factory Option*)
- 3-5 Year Warranty, Made in Korea



Base station set-up w/MDM-4000



SD Series Data Radios & Modems

- 5W/1W Programmable (DIP Switch)
- 16 Channels
- Die-cast Aluminum Casing
- Several pin connection options (9-Pin Male, 15-Pin Female)
- CTCSS, DCS, 2Tone Decode, POCSAG Capable
- BCLO, TX TOT
- GMSK/4FSK/FFSK Modem Options depending on radio model
- DMR Tier 2 model w/ AES 256 Encryption, 10W VHF.
- 3 Year Warranty on SD-125/175/275 models
- 3-5 Year Warranty on SD-670

Used for: **Siren Control, SCADA, Irrigation Control, Golf Courses, Voice Boxes, NurseCall/Paging, Remote Switch Control, Water/Wastewater Control, Weather/Climate Stations.**



maxon
Maxon America, Inc.

SD-125EL Series (VHF & UHF)
5/1 Watt Programmable Per Channel
POCSAG/DCS Optional
Board Only Available

SD-170EX Series (VHF & UHF)
5/1 Watt Programmable Per Channel
CTCSS/DCS Encode & Decode
POCSAG Optional

SD-170EL Series (VHF & UHF)
5/1 Watt Programmable Per Channel
CTCSS/DCS Encode & Decode
Optional 9600/4800 Baud Modem

DMR

SD-670DE Series DMR & Analog
DMR Tier II RF Modem
10/5/1 Watts (VHF), 5/1 Watts (UHF)
Programmable Per Channel, 32 Channels
DE-15 Pin Female Connector, TTL Serial
9600 Baud OTA
Digital Voice uses AMBE+2 Voice Codec
Built in AT Commands

SD-270 Series (VHF & UHF)
5/1 Watt Programmable In 1W Increments
CTCSS/DCS Encode & Decode
Optional 19200/9600 Baud Modem
POCSAG Optional
External Software Channel Steering

irrigation systems · SCADA · paging systems · call boxes
water management · pump control · alert systems

ChatterBox Helmet Communicators

ChatterBox![™]
by **maxon**



X2-C *(Long Distance Communicator, Unlimited Riders)*

- Uses FRS/GMRS to communicate to other riders up to 5 miles
- Pairing to phone not necessary
- Unlimited number of riders can communicate.
- Communicate via Wireless PTT, PTT, VOX
- Also compatible with: X1 Slim, X1BT, X1, X2, X2 Slim, & most GMRS/FRS band portable radios.
- FM-Radio
- Easy Cradle Installation
- IP-54 Water Resistant
- 10 Hours Talk time / 20 Hours Standby
- Usable during Charging



BIT 3 *(2-Rider Helmet Communicator)*

- Connect to another passenger or Rider up to 400m away
- Universal Intercom Pairing with Non-ChatterBox Brands
- Pairs easily to your phone for Calls, Music, & GPS
- GPS device and MP3 Player Simultaneous Use
- Two Smart-phone Pairing
- Audio Guidance in 5 Languages (Ger/Fre/Eng/Spa/Ita)
- VOX (Answering phone / Activating Helmet Intercom)
- FM-Radio
- Easy Cradle Installation
- Water Resistant
- Automatic Power Saving
- 11 Hours Talk time
- Usable during Charging
- High Quality Audio



BIT 2 *(Single Rider Headset)*

- Bluetooth connection to Phone for Calls, GPS, Music
- GPS, Music simultaneous use
- Easy cradle install
- IP-54 Water Resistant
- Lithium-Polymer Battery
- Usable during charging
- Automatic power saving
- Talk time 11 Hours
- Standby time 11 Days

*****ALL COMMUNICATOR KITS COME
w/CRADLE, MOUNTING KIT, SPEAKERS, &
BOTH OPEN AND CLOSED FACE MICS &
VELCRO**