

Tech Day/Ladies Day, Sat., April 17, 2021

Hosts: Henry & Laura Netzing

What a beautiful day it was, to bad we were inside most of the time. We met at the new state-of-the-art Russ Darrow Madison Mazda. The county made it difficult for us to get there by closing the street in front of the building the night before. Even the employees were surprised by that. We were greeted by hostess, Cheyenne who help set up the facility for our needs. Barbara, the food hostess kept us well nourished with donuts, beverages, etc. for breakfast; then with Chick Fil-A sandwiches, chips, cookies, and beverages for lunch. We even had one of our newest members join us, Dan and Margaret F. 15 cars were showcased in front of the store; and 23 people attend this event

The General Manager was unfortunately unable to be there, so the General Sales Manager, Nick, and Service Manager, Pablo, gave the welcome and tour of the facilities.

Todd Peterson from General Communications gave us information on FM radios. We learned the nuances of using the radios as well as costs and what was involved in the usage of the FM radios. Then Jim Loeffler and Henry spoke about Ride With GPS and they spent time enrolling 4 people on this program with our club.

After lunch our group split into groups, those wanting Tech information about their cars stayed with Pablo, who was very knowledgeable about our cars. Then that group traveled to Klinkner Electronics (the guy who let us borrow the FM radios last year to try out) where they learned more hands-on information about the FM radios.

Those wanting to make greeting cards when to Henry and Laura's home. Both groups learned new information. Many questions were answered by Pablo about the cars, and the greeting card makers learned some new techniques.

Around 4:30pm, we all gathered together for great meals at the Prairie House Food & Spirits in Prairie du Sac for dinner and libations. It seemed that no one wanted to leave, so I guess everyone was having a good time seeing each other and meeting a new member.

KLINKNER ELECTRONICS

1800 NORTH STREET
Prairie du Sac, WI 53578
PHONE: 608-643-6908

2021 SPRING SALE PRICES

OVER 47 YEARS IN BUSINESS

1974 TO 2021

Motorola VX-261

Radio Package

VX-261 VHF or UHF Radio, 16 Channel, 5 Watt

With 1380 MAH Li ON Battery

3 Hour Rapid Charger

Includes a MH-450S SPK/MIC

\$209.90 each

\$199.90 each 6 plus price

3 Year Warranty

Maxon Mobiles

TM-8102 VHF, 50 Watts	\$296.00
TM-8402 UHF, 40 Watts	\$296.00

More Radio Models and Accessories Available

klinknerelectronics@gmail.com

Facebook: Klinkner Electronics

KLINKNER ELECTRONICS

1800 NORTH STREET
Prairie du Sac, WI 53578
PHONE: 608-643-6908

2021 Spring Sale Prices

Maxon Hand Held Radios

MP-4116 VHF, 5 Watt, 16 Channels	\$165.00
MP-4416 UHF, 5 watt, 16 channels	\$165.00

Demo/Rental Radio Sale

Pocket Radio UHF	\$ 50.00
VX 451 UHF	\$190.00
ICOM F4001 UHF	\$150.00 with spk/mic.
VX-2100-25 Mobile	\$145.00
VX 2200 45 Mobile	\$185.00
SP-5416 UHF HT	\$145.00
SP-130 UHF HT	\$ 85.00

All radios priced each unit, includes battery, antenna, charger, belt clip, and programming.

Radios From Our Rental/Demo Fleet

Motorola VX-261 UHF Radio Package

You Get: One VX-261 UHF Radio

1380 MAH Li ON Battery (new)

3 Hour Rapid Universal Charger

Antenna

Belt Clip

\$145.00 each

One Year Warranty

Sale prices good thru May 31, 2021

Rental/Demo Radios Limited To Stock On Hand.

Subject to Availability.

maxon®

MP-4000 Series

Analog Portable Radios

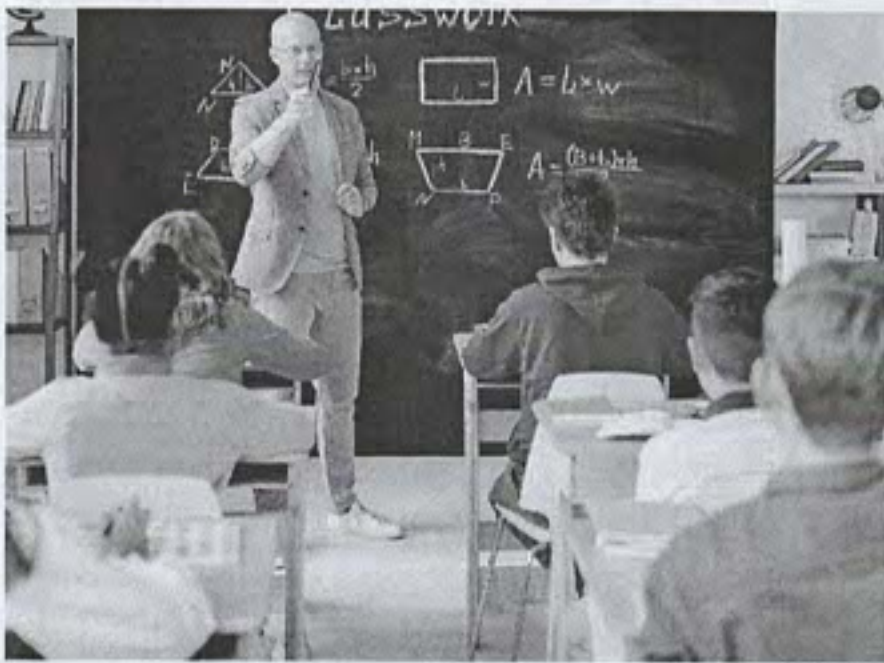
MP-4116 5/2W VHF (136-174 MHz)

MP-4416 5/2W UHF (400-470 MHz)

MP-4124 5/2W VHF (136-174 MHz)

MP-4424 5/2W UHF (400-470 MHz)

Maxon's MP-4000 Series radios are dependable, durable, affordable, and easy to use. Delivers clear, reliable communications for schools, hotels, restaurants, retail stores, custodial staff, property management and other industrial or commercial needs where radio communication is needed but may have budget constraints. Display models have 1024 Channels, Priority Scan, and various settings within settings menu and PC programmer to personalize the radio. Radio programming via PC Program or Wired Cloning.



- 5/2 Watt UHF or VHF
- 16 Channels (*Non-Display*)
- 1,024 Channels / 32 Groups (*Display*)
- Scan
- BCLO
- TX Inhibit
- Time Out Timer
- Lone Worker
- Emergency Alert
- DTMF Encoder
- DTMF Decoder (*Display*)
- CTCSS/DCS
- LCD Display (*Display*)
- Flashlight (*Display*)
- Programmable Buttons (*Display*)
- Battery Saver (*Display*)
- VOX (*Display*)
- 2-Pin Audio Connector
- IP54 Certified



MP-4116/MP-4416

MP-4124/MP-4424

KLINKNER ELECTRONICS
1800 North Street
Prairie du Sac, WI 53578
608-643-6908



SPECIFICATIONS

GENERAL

MP-4116 VHF	136-174 MHz
MP-4416 UHF	400-470 MHz
MP-4124 VHF (Display)	136-174 MHz
MP-4424 UHF (Display)	400-470 MHz
Channel Capacity	16 Channels (Non-Display)
	1024 Channels, 32 Groups (Display)
Channel Spacing	25/12.5 kHz
Operating Voltage	7.4VDC
Battery Capacity	2600 mAh Li-Ion
Frequency Stability	± 2.5 PPM (-30° to +60° C)
Antenna Impedance	50 Ω
Dimensions (H/W/D)	4.1x 2.1x 1.3" (103x 52x 32mm)
Weight (w/Battery)	8.8 oz. (250g)
Case/Frame	Polycarbonate/Aluminum Die Cast
Battery Life (Hours)	17 Hours (90/5/5 duty cycle)

TRANSMITTER

RF Output Power	5/2 Watts
FM Modulation	11K0F3E (12.5 kHz), 16K0F3E (25 kHz)
4FSK Digital Modulation	12.5 kHz Data Only: 7K60FXD, 12.5 kHz Data & Voice: 7K60FXW
Conducted/Radiated Emission	-36dBm < 1GHz, -30dBm > 1GHz
Modulation Limiting	±2.5 kHz (12.5 kHz), ±5.0 kHz (25 kHz)
FM Noise	40dB (12.5 kHz)
Adjacent Channel Power	60dB (12.5 kHz), 70dB (20/25 kHz)
Audio Distortion	3% maximum with 1kHz modulation
Digital Vocoder Type	AMBE3000 Vocoder Chip with AMBE+2 Voice Compression Algorithm
Digital Protocol	ETSI-TS102 361-1-2-3

RECEIVER

Sensitivity	0.25µV @ 12dB SINAD
Selectivity TIA-603 ETSI	>65dB (12.5 kHz), 70dB (25 kHz)
Intermodulation TIA-603 ETSI	>70dB (12.5/25 kHz)
S/N	40dB (12.5 kHz), 45dB (25 kHz)
Audio Output Power	1.0 Watt
Audio Distortion	< 3% at rated output
Audio Response	+1, ~ -3dB From 6dB per octave de-emphasis characteristics
Spurious Emission	70dB

PACKAGE INCLUDES:

Radio, 2600 mAh Li-Ion battery, rapid rate desktop charger, antenna, belt clip and user manual.

Specifications are subject to change without notice.

ACCESSORIES



Charger Options

Dual Slot Rapid Rate Desktop Charger
2600 mAh Li-Ion Battery
TSA-6006TS4 - 6 Unit Gang Charger w/Dual Slot



Speaker Mic Options

Standard Speaker Microphone
Heavy Duty Speaker Microphone
Heavy Duty Speaker Microphone w/Vol Control



Ear Piece Options

"D" Style Earhook Speaker w/Lapel Mic/PTT
"C" Style Earhook Speaker w/Lapel Mic/PTT
Clear Earbud Speaker w/Lapel Mic/PTT



Other Options

Nylon Carrying Case
Leather Carrying Case w/Belt Loop Swivel
Programming Software and Cable (USB)
Cloning Cable

ENVIRONMENTAL

Operating Temperature	-30° C to +60° C
Storage Temperature	-40° C to +85° C
ESD	IEC 61000-4-2/±8KV/±15 KV
Dust & Water Protection	IP-54 Standard

Approvals	FCC	Industry Canada	CE
MP-4116	VSOXR-150	N/A	CE 1177
MP-4416	VSOXR-450	N/A	CE 1177
MP-4124	VSOXR-150	N/A	CE 1177
MP-4424	VSOXR-450	N/A	CE 1177



Manufactured to ISO-9002:2000
quality standard.

NOTE: Some features indicated by specifications listed are prohibited by FCC rule and are not available on models sold in the U.S. or its territories.

maxon®

Maxon America, Inc.

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maxon®

TM-8000 Series

Full Featured Mobile Radio

TM-8102 50W VHF (138-174 MHz)
TM-8402A 40W UHF (400-470 MHz)
TM-8402B 40W UHF (450-520 MHz)

The TM-8000 Series mobiles provide affordability and durability for your in-vehicle or dispatch applications. With crisp, continuous and high quality communications, you can have real time contact with drivers to ensure that your business is running efficiently. In addition, Maxon's mobile radios provide a wide range of voice and data features and the capability of adding a Bluetooth mobile dongle kit for extended out-of-vehicle range.



- 512 Channels, Up to 32 Groups (Dynamic)
- Alpha Numeric Display (10 Characters)
- 12.5/15/25 kHz Channel Spacing
- User Selectable Squelch Control
- Compandered Audio
- CTCSS/DCS
- DTMF Encode/Decode, DTMF ANI
- 2-Tone Decode and 5-Tone Selcall
- Voice Inversion Scrambler
- Normal and Priority Scan Options
- User Adjustable Power, 40W (UHF) 50W (VHF)
- Remote Stun and Revive
- Four Programmable Function Buttons
- DE-15 Data Connector
- PA Function, External Speaker Jack

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1800 North Street
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608-643-6908



TM-8000 Series | Full Featured Mobile Radio

maxon®

SPECIFICATIONS

GENERAL

TM-8102	138-174 MHz
TM-8402A	400-470 MHz
TM-8402B	450-520 MHz
Channel Spacing	12.5/15 kHz (U.S. Only) 12.5/25 KHz (Outside U.S.)
Dimensions (H/W/D)	1.75 x 6.5 x 6.75" (45x165x171.5 mm)
Weight	38.9 oz. (1.1 kg.)
Operating Voltage	13.8 V DC
PLL Channel Step	2.5/6.25 kHz
Frequency Stability	± 1.5 PPM (1.1 Kg to 140°F)
Current Drain	50 W Tx-11A, 25 W Tx-6.5A Rx @ Max Audio 800 mA Standby 300mA
Operating Temperature	-22° to 140° F (-30° to 60° C)
External Audio Jack	3.5mm 4 Watt/4 Ω

TRANSMITTER

Output Power	VHF 50 Watt, UHF 40 Watt
Spurious and Harmonic	70dB
FM Hum and Noise	40dB (12.5 kHz), 45dB (25 kHz)
Output Impedance	50 ohms
Audio Distortion	Less than 5% at rated output
Audio Response	+1, -3dB from 6dB per octave pre-emphasis and characteristic 300 ~ 3000 Hz

RECEIVER

Sensitivity	.25uV 12dB SINAD
Squelch Sensitivity	.22uV 10dB SINAD
Selectivity	65dB (12.5 kHz), 70dB (25 kHz)
Spurious and Harmonic	75dB
FM Hum and Noise	40dB (12.5 kHz), 45dB (25 kHz)
IF Frequencies	21.4 MHz and 455 kHz
Input Impedance	50 ohms
Audio Output Power	4 Watt
Audio Distortion	3% max w/ 1 kHz modulation
Audio Response	+1, -3dB from 6dB per octave pre-emphasis and characteristic 300 ~ 3000 Hz

PACKAGE INCLUDES:

Radio, heavy duty microphone, mounting hardware, and 12V fused power cable.

Specifications are subject to change without notice.

ACCESSORIES



ACCESSORY OPTIONS

Heavy Duty Microphone
Heavy Duty DTMF Microphone
10 Amp Power Supply 110V/220V AC
Programming Software and Cable (USB)
Desktop Base Station Microphone
External Speaker
GPS Module
Bluetooth Mobile Dongle TBM-800BTD
XRC-31 Repeater Cable
12' or 20' Coax Mag Mount Base
VHF or UHF Wave Antenna

- 1 RSSI
- 2 Ignition Sense
- 3 External Speaker
- 4 Audio Frequency Out
- 5 External Mic
- 6 Tx Data 1
- 7 Rx Data 1
- 8 External Push To Talk
- 9 Flat (discriminator) Audio
- 10 COR/Carrier Operated Squelch
- 11 External Input
- 12 DC +5.0V
- 13 Horn Relay 1
- 14 Horn Relay 2
- 15 Ground

Data Port Pin Out



DE-15 Female

Approvals

TM-8102
TM-8402A
TM-8402B

FCC

099TM-8102
099TM-8402A
099TM-8402B

Industry Canada

9680A-TM8102
9680A-TM8402A
N/A



Manufactured to ISO-9001:2000
quality standard.

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