



Deer Park Silverton Joint Fire District

7050 Blue Ash Road • Cincinnati, Ohio 45236-3721

Station 89 | Office: 513.791.2500 | Fax: 513.936.6213

TO: Deer Park Silverton Joint Fire District Board of Trustees

FROM: Dennis E. Meador II, Fire Chief

DATE: February 22, 2024

SUBJECT: June Fire District Update

Significant Incidents

The Fire District responded to two structure fires in Golf Manor. The first fire occurred on January 11 at 6338 Mayflower. Crews arrived to find smoke coming from the gable vent on the north side of the house. The fire was contained to a small portion of the attic, though there was water damage to the first and second floors from extinguishment efforts. The cause could not be immediately determined by the on-scene investigators and was turned over to the homeowner's insurance company for additional investigation. Damage to property and contents was estimated at \$32,000.

The second fire occurred on February 15 at 6923 Hammel. Arriving crews found a working fire in the kitchen in the rear of the home. The fire was contained to the kitchen, with smoke damage throughout the first floor. The fire was caused by an unattended pot of scented oil that was being heated on the stove. Damage to property and contents for this fire was estimated at \$49,000.

There were no injuries to civilians or fire personnel in either incident.

Medic Unit Updates

We are still awaiting the official word that Ford has a chassis ready to release to Horton Emergency Vehicles so they can begin constructing our medic unit that was ordered in the spring of 2022. The committee visited Horton on February 13 to review the layout of the patient compartment of the unit. The design is nearly finalized for this ambulance, and we plan on using the same specifications for the unit ordered in December 2023. We anticipate delivery sometime in the spring of 2024, but Horton cannot confirm a delivery date until they receive or chassis.

This ambulance will replace the 2008 Ford/Horton we received from Golf Manor in 2022.



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The 2008 Horton/International with steering issues is back at Atlantic Emergency Solutions as they try to improve the vehicle's handling at highway speeds. They added a rear sway bar in December, and the handling was noticeably improved, but it is not at a level where we feel safe driving it on the highway. We will continue working with Atlantic to find a permanent solution to the steering issue so that we can rely on this unit as our reserve ambulance after we liquidate the unit from Golf Manor.

800mHz Radio Purchase

In your packets, you will find a resolution to appropriate funds to replace ten mobile radios in the fire and EMS apparatus and our station radio. All radios on the 800mHz will be required to be able to authenticate on the Ohio MARCS radio system by July 2025. Our current mobile radios are over 20 years old and cannot be reprogrammed to work on the MARCS system. Our portable radios, which were purchased in 2020, will receive the necessary authentication upgrade this year and will be paid for by the Hamilton County Communications Center.

Upcoming Events

The Fire District has, or is scheduled to, participate in the following events in 2024:

- January 5 – Book reading with students at Silverton Elementary
- March 8 – Silverton Community Brunch hosted by Mayor John A. Smith
- May 27 – Memorial Day Parade in Silverton, Deer Park, and Sycamore Township
- July 4 – Independence Day Parade in Golf Manor
- July 20 – Columbia Township Neighbor Day at Station 89

Respectfully,

A handwritten signature in blue ink, appearing to read "Dennis E. Meador II".

Dennis E. Meador II, OFE Fire Chief

Silverton Elementary School

January 5, 2024



6338 Mayflower (Golf Manor)

January 11, 2024



6923 Hammel (Golf Manor)

February 15, 2024



Morning check of Quint 89 at sunrise.

January 12, 2024



Run Totals for January 2024

District	Dispatches	Medic 89	Medic 289	Engine 89	Quint 89	District 89
Amberley Village	1	1	0	0	0	0
Columbia Township	30	23	4	3	6	0
Deer Park	106	69	19	0	27	1
Golf Manor	57	40	7	1	16	0
Little Miami	1	0	0	0	1	0
Madeira-Indian Hill	3	1	0	1	1	0
Reading	1	1	0	0	0	0
Silverton	96	60	9	2	34	4
Sycamore Township	7	3	0	0	3	0
	302	198	39	7	88	5

Mutual Aid	
EMS Given	6
EMS Received	5
Fire Given	6
Fire Received	3

District	Fire Loss
Columbia Township	\$0
Deer Park	\$0
Golf Manor	\$32,000
Silverton	\$0

Run Totals for 2024 Year-to-Date

District	Dispatches	Medic 89	Medic 289	Engine 89	Quint 89	District 89
Amberley Village	1	1	0	0	0	0
Columbia Township	30	23	4	3	6	0
Deer Park	106	69	19	0	27	1
Golf Manor	57	40	7	1	16	0
Little Miami	1	0	0	0	1	0
Madeira-Indian Hill	3	1	0	1	1	0
Reading	1	1	0	0	0	0
Silverton	96	60	9	2	34	4
Sycamore Township	7	3	0	0	3	0
	302	198	39	7	88	5

Mutual Aid	
EMS Given	6
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Fire Given	6
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District	Fire Loss
Columbia Township	\$0
Deer Park	\$0
Golf Manor	\$32,000
Silverton	\$0





Advanced Radio Technology

An HEC Electronics Company

6170 Interstate Circle, Cincinnati, Ohio 45242

OH (513) 489-5575 / KY (502) 867-0521

FAX (513) 489-2760

E mail: drorer@aradiotech.com

www.aradiotech.com

February 5, 2024

Deer Park Silverton Joint Fire District
7050 Blue Ash Road
Cincinnati, Ohio 45236
Attn: Deputy Chief Chris Iredale

Dear Chris,

Per your email request, I am pleased to provide you with a quote for 10 new Kenwood VM-5430 mobile radio packages. The quote is as follows:

Kenwood VP-5930 P25 Front Mount Mobile Radio Package

QTY	Part Number	Description	Price	Total
10	VM-5930BF	MOBILE RF DECK ONLY, 7/800, P25 PHASE 1	\$2,040.00	\$20,400.00
10	KCH-19VM	BASIC CONTROL PANEL FOR VM5000 MOBILES	\$174.96	\$1,749.60
10	KMC-65	MICROPHONE, FOR KENWOOD MOBILES, 8 PIN	\$50.80	\$508.00
10	KCT-23M	DC POWER CABLE, UP TO 50W KENWOOD MOBILE	\$38.16	\$381.60
10	KCT-46	CABLE, IGNITION SENSE	\$13.36	\$133.60
10	KMB-33M	MOUNTING BRACKET FOR TK-5X30 RF DECK	\$13.76	\$137.60
10	8326000001	P25 Authentication	\$96.00	\$960.00
10	8322000002	P25 Conventional	\$0.00	\$0.00
10	8322000005	P25 Phase 1 Trunking	\$0.00	\$0.00
10	8326000006	1024 Ch	\$0.00	\$0.00
10	8323000005	ARC4 (ADP Compatible)	\$0.00	\$0.00
10	TRAB7603	760-870 MHz Phantom Antenna	\$76.90	\$769.00
10	SMC-NC	Coaxial Cable, NMO Mount, No Connector	\$30.73	\$307.30
10	RFN-1005-3C	CONNECTOR, N MALE CRIMP, RG-58, FOR ANTENNA COAX	\$11.94	\$119.40
10	TECH	INITIAL PROGRAMMING FOR DPSJFD/HAM CO MARCS	\$150.00	\$1,500.00

Radio Packages Total: \$26,966.10

If you have any questions about the quote, please contact me at the above telephone number or email address.

Sincerely,

Dave Rorer

Dave Rorer
Account Manager

YOUR COMMUNICATIONS SPECIALIST

VM5000

VHF · UHF (High & Low) · 700/800 MHz
P25 Phase 1 & 2 · Viking16

With uncompromised quality and performance, the VM5000 has built-in speakers to take the complexities out of mission-critical communications.

Features

- Mixed protocol operation (P25 Phase 1 & 2 Trunking, P25 Conventional, Viking16, FM Analog)
- 1024 channels
- Mixed protocol zones
- P25 Authentication (Link Layer Authentication)
- P25 IP packet data
- GPS AVL data (built in GPS)¹
- MDC-1200 & GE-Star signaling
- Analog & P25 Conventional vote scan
- Dash mount (KCH-19 control head only)
- Remote mount
- Dual control heads
- Internal or external speaker
- Fixed control station
- WiFi (remote mount configuration only)
- Bluetooth (Future)
- Instant Recording Replay (IRR)
- Voice Recording
- Text Messaging
- Bluetooth Low Energy
- Custom Transmit Power Levels
- Encryption
 - ARC4™ software encryption; compatible w/Motorola ADP™
 - DES-OFB
 - AES-256 (FIPS 140-2) Single and Multi-Key
 - Over-the-Air-Rekeying (OTAR)

¹Refer to the Viking VM5000 operating manual for detailed requirements & conditions for proper GPS operation.

Accessories

Complete line of accessories including microphones, speakers & antennas.
Download the accessory catalog at
<https://info.efjohnson.com/viking-accessory-catalog/>

We combine P25 design expertise with recognized quality & reliability along with advanced technology to make KENWOOD Viking radios simple to use & maintain.



Perpetual Software Licensing

Adds greater value to your radios by extending the life of the software into your next hardware platform — you own the software option forever, and your licenses are simple to manage with our cloud-based tool — Vault™.



Armada® Fleet Management

Update your radios in a group rather than one at a time. One template programs both portables & mobiles. Supports direct computer connection, Over-the-Air Programming (OTAP), or Over-the-Internet Programming (OTIP).



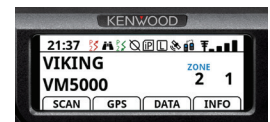
TrueVoice™ Noise Cancellation

Software-based noise cancellation automatically filters out noise source frequencies and eliminates the need for extra configuration. Works in analog or digital mode and with any accessory.



Basic Control Head

- Resolution of 422 x 154 pixel
- Viewing angle of 140°
- User selectable themes (8 themes available)
- Day & night display options



Day - High Contrast



Night - High Contrast

Compatible With P25 Systems

- ATLAS® P25 Phase 1 and Phase 2 System
- Motorola Astro® 25 - P25 Phase 1 & Phase 2
- Harris VIDA® - P25 Phase 1 & Phase 2
- Airbus (formerly Cassidian) VESTA™ Radio - P25 Phase 1 & Phase 2

VM5730/5830/5930 Mobile Specifications

General		VM5730	VM5830	VM5930
Frequency Range		136-174 MHz	Type 1: 450-520 MHz Type 2: 380-470 MHz	RX: 762-776, 851-870 MHz TX: 762-776, 792-806, 806-825, 851-870 MHz
Max. Channels Per Radio		1024		
Number of Zones		255		
Max. Channels Per Zone		255		
Channel Spacing	Analog	12.5/15/20/25*/30* kHz	12.5/25* kHz	12.5/25 kHz
	Digital	12.5 kHz	12.5 kHz	12.5 kHz
Power Supply		13.6 V DC ±15 %		
Current Drain	Standby	0.45 A		
	RX	2.3 A		
	TX	13 A		
Operating Temperature		-22 °F to +140 °F (-30 °C to +60 °C)		
Frequency Stability [-22 °F to +140 °F (-30 °C to +60 °C), +77 °F Ref. (+25 °C)]		±1.0 ppm		
Dimensions (W x H x D) Radio w/Control Head, Projections not Included		6.73 x 1.89 x 6.93 in. (171 x 48 x 176 mm)		6.73x1.89x7.72 in. (171.0 x 48.0 x 196 mm)

Receiver		VM5730	VM5830	VM5930
Sensitivity	P25 Digital (5% BER)	-119 dBm (0.25 µV)		
	Analog (12 dB SINAD)	-119 dBm (0.25 µV)		
Selectivity	P25 Digital	60 dB		
	Analog @ 12.5 kHz	60 dB		
	Analog @ 25 kHz	75 dB		75 dB
Intermodulation		80 dB		
Spurious Rejection		85 dB		87 dB
Audio Distortion		2%		
Audio Output Power		4 W/4 Ω (Remote Control Head: 3 W/4 Ω)		
Modulation		FM, C4FM, H-DQPSK		
Transmitter		VM5730	VM5830	VM5930
RF Output Power		5W/50W	5W/45W - (Type 1: 450-485 MHz) 5W/40W - (Type 1: 485-520 MHz) 5W/40W - (Type 2: 380-470 MHz)	2W/30W (700 MHz) 2W/35W (800 MHz)
Spurious Emission		-73 dB	-75 dB	-80 dB
FM Hum & Noise	Analog @ 12.5 kHz	45 dB		40 dB
	Analog @ 25 kHz	50 dB		45 dB
Audio Distortion		2%		
Emission Designator		VM5730/5830: 16K0F3E, 11K0F3E, 8K10F1E, 8K10F1D, 8K10F1W VM5930: 16K0F3E, 14K0F3E, 11K0F3E, 8K10F1E, 8K10F1D, 8K10F1W		
Modulation		FM, C4FM, H-CPM		

Mil Standard	810C	810D	810E	810F	810G
Low Pressure	5001/ I	5002/ I, II	5003/ I, II	5004/ I, II	5005/ I, II
High Temperature	5011/ I, II	5012/ I, II	5013/ I, II	5014/ I, II	5015/ I, II
Low Temperature	5021/ I	5022/ I, II	5023/ I, II	5024/ I, II	5025/ I, II
Temp. Shock	5031/ I	5032/ I	5033/ I	5034/ I, II	5035/ I
Solar Radiation	5051/ I	5052/ I	5053/ I	5054/ I	5055/ I
Rain	5061/ I, II	5062/ I, II	5063/ I, II	5064/ I, III	5065/ I, III

Mil Standard	810C	810D	810E	810F	810G
Humidity	5071/ I, II	5072/ II, III	5073/ II, III	5074	5075/ II
Salt Fog	5091/ I	5092/ I	5093/ I	5094	5095
Dust	5101/ I	5102/ I	5103/ I	5104/ I, III	5105/ I
Vibration	514.2/ VIII, X	514.3/ I	514.4/ I	514.5/ I	514.6/ I
Shock	516.2/ I, V	516.3/ I, V	516.4/ I, V	516.5/ I, V	516.6/ I, V

INTERNATIONAL PROTECTION STANDARD

Dust & Water IP54, IP55¹

¹IP54: RF Deck of the mobile radio; IP55: Remote Control Head for the mobile radio.

Encryption Options	
Supported Encryption	AES, DES-OFB, ARC4
Encryption Key/ Radio	126 Common Key Reference (CKR), 126 Physical Identifier (PID), Compatible w/ Motorola Key Variable Loader
Encryption Frame Re-sync Interval	P25 CAI 360 MSEC
Encryption Keying	External Key Loader, OTAR
Mode	OFB-Output Feedback
Encryption Type	Digital
Key Erasure	Keyboard Command
Standards	FIPS 46-3, FIPS 81, FIPS 140-2, FIPS 197

*25/30 kHz in VHF/UHF Bands are not included in the models sold in the USA or US territories.

Analog measurements made per TIA 603 and specifications shown are typical. Digital measurements made per TIA 102CAAA and specifications shown are typical. All specifications are subject to change without notice. Please check the website for the latest version. V09.25.21 © Copyright 2021 EF Johnson Technologies, Inc. (E.F. Johnson Company is operating entity)

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