



# Approved Subscriber Radios, Pagers, Dispatch Consoles, and Encryption Keyloaders

*Updated July 7, 2025*

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# Approved Subscriber Radios, Pagers, Dispatch Consoles, and Encryption Keyloaders

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## Current Portable Radio Models – Full Support Available

This table contains radio models, which have available support from manufacturers, including firmware and feature enhancements. These models can meet all MSWIN minimum specifications, when properly configured, and are [DHS Project-25 Compliance Assessment Program \(P25 CAP\)](#) certified devices.

Portable Radios				
Manufacturer	Model	Version	Minimum Firmware	Additional Information
Motorola Solutions	APX 900	2, 3	R35.00.00	
	APX 1000	1.5, 2, 3		DES/AES encryption & OTAR not supported on this model <b>NOT RECOMMENDED FOR PUBLIC SAFETY USE DUE TO DES/AES ENCRYPTION LIMITATIONS</b> <a href="#">Discontinued by manufacturer</a>
	APX 3000	1		
	APX 4000	2, 3		AES encryption & OTAR not supported on this model <b>NOT RECOMMENDED FOR PUBLIC SAFETY USE DUE TO ENCRYPTION LIMITATIONS</b>
	SRX 2200	1.5, 3.5		Model 1.5 requires QA01768 Enhanced Zone Bank Operation <a href="#">SRX 2200 (AN)</a> , <a href="#">APX 6000 (AN)</a> , and <a href="#">all APX 7000 models</a> <a href="#">Discontinued by manufacturer</a>
	APX 6000	1.5, 2.5, 3.5, XE, Li		
	APX 7000	1.5, 3.5, XE		
	APX 8000	2.5, 3.5, XE, H, HXE		
	APX N30	2, 3		OTAR not supported by this model
	APX N50	2, 3		
	APX N70	4.5	R05.00.00	Touchless Encryption Key Provisioning not supported by MSWIN on N70/Next models <a href="#">APX Next XN NFPA 1802 Compliant</a>
	APX Next	4.5, XE, XN	R08.00.00	



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## Current Portable Radio Models – Full Support Available

Portable Radios				
Manufacturer	Model	Version	Minimum Firmware	Additional Information
JVCKenwood	VP6430			VP6430 Discontinued by manufacturer
	VP8000		v8.44.10.64	
	NX-5400	K2, K3	v5.23	TK/NX models Discontinued by manufacturer
	TK-5430			
L3Harris	XL-45P	Limited and Full Keypad	R19C01.0312	XL-45P and XL-150P not approved for encryption use <b><i>XL-45P AND XL-150P NOT RECOMMENDED FOR PUBLIC SAFETY USE DUE TO SINGLE ENCRYPTION KEY LIMITATIONS</i></b>  XL-400P NFPA 1802 Compliant
	XL-95P			
	XL-150P			
	XL-185P	851-870MHz International version only		
	XL-200P			
	XL-400P			
Tait Communications	TP9400	9455, 9460	v3.04.08	
	TP9600	9655, 9660		
	TP9800	9855, 9860 9865, 9870 9875, 9880		
BK Technologies	KNG2-P800	N/A	v5.7.12	KNG2 Discontinued by manufacturer
	BKR-9000	2.5, 3.5 only	v5.10.43	
Icom	F7040	T	V4.20 or later	



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## Current Mobile Radio Models – Full Support Available

Mobile Radios				
Manufacturer	Model	Version	Minimum Firmware	Additional Information
<a href="#">Motorola Solutions</a>	APX 1500	O2	R35.00.00	
	APX 4500	O2, O5, E5, Li		
	APX 6500	O2, O3, O5, O7, O9, E5, Li		
	APX 7500	O2, O3, O5, O7, O9, E5, Consolette		<a href="#">APX 7500 Discontinued by manufacturer</a>
	APX 8500			
<a href="#">JVCKenwood / EF Johnson Viking</a>	VM5930	KCH-19 KCH-20 KCH-21	v8.44.10.55	
	VM6930			
	VM7930			
	VM8000		V8.44.10.58	
JVCKenwood	NX-5900		v5.23	TK/NX models Discontinued by manufacturer
	TK-5930			
<a href="#">L3Harris</a>	XL-185M	851-870MHz International version only	R19C01.0312	
	XL-200M			
<a href="#">Tait Communications</a>	TM9400	9455, 9457	v3.04.08	
<a href="#">BK Technologies</a>	KNG-M800	SCH, HCH	v5.7.12	
<a href="#">Technisonic Communications</a>	TDFM-9000 series	All versions	R35.00.00	Aircraft radio model based on Motorola APX 8000 hardware platform



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## Current Pagers, Dispatch Consoles, and Encryption Keyloaders – Full Support Available

Paging Receivers					
Manufacturer	Model	Version	Minimum Firmware	Additional Information	
<a href="#">Unication</a>	G4 / G5	700/800 MHz	v2.02	DES/AES encryption not approved MPSCS for these devices	or supported by

System Integrated Dispatch Consoles				
Manufacturer	Model	Version	Minimum Firmware	Additional Information
<a href="#">Motorola Solutions</a>	MCC7500	N/A	2021.2	Not approved for off-network use All consoles require ARC4 (ADP), DES-OFB and AES256 encryption algorithms <i>*Software-based encryption not supported</i>
	MCC7500e			
	MCC7500e	Off Network with Proxy		All consoles require ARC4 (ADP), DES-OFB and AES256 encryption algorithms <i>*Software-based encryption not supported</i>

Encryption Keyloaders						
Manufacturer	Model	Version	Security Adapter Version	OS Version	HSM Version	Additional Information
<a href="#">Motorola Solutions</a>	KVL4000	R1.3.5000.243	R2.7.30	N/A	N/A	KVL4000 discontinued by manufacturer
	KVL5000	R01.08.01.00	N/A	R01.08.01	R50.7.10	Requires DES-OFB, and AES256 algorithms



# Approved Subscriber Radios, Pagers, Dispatch Consoles, and Encryption Keyloaders

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## End of Life “Legacy” Portable Radio Models – Limited Support Available

This table contains radios which are considered end of life “legacy models.” These models no longer have manufacturer support, and/or lack necessary functionality required to support the growth of MSWIN and ongoing interoperability and encryption standardization efforts.

**Effective January 1<sup>st</sup>, 2024, these legacy models will NO LONGER be eligible as “NEW RADIO ADDS” to MSWIN for ANY REASON or “INTER-AGENCY TRANSFERS,”** when advanced functionality is required.

*Advanced functionality is defined as, but not limited to TDMA, IV&D, and encryption.*

***ALL Inter-agency transfers are REQUIRED to meet the current minimum MSWIN specifications at the time of transfer, prior to approval of the transfer.***

It is recommended to begin planning for life-cycle replacement as soon as possible.

Portable Radios				
Manufacturer	Model	Version	Minimum Firmware	Additional Information
<a href="#">JVCKenwood / EF Johnson</a> <a href="#">Viking</a>	VP600	F2, F3	v8.30.16.57	Not approved for TDMA / IV&D <a href="#">Discontinued by manufacturer</a>
	VP900			Not approved for TDMA / IV&D <a href="#">Discontinued by manufacturer</a>
<a href="#">L3Harris</a>	XG-15P	Limited & Full Keypad	R06T02	Not approved for TDMA / IV&D XG-15P Not approved for encryption use Discontinued by manufacturer
	XG-25P			
	XG-75P			
	XG-100P			
<a href="#">BK Technologies</a>	KNG-P800	N/A	v5.7.10	Not approved for TDMA / IV&D / Encryption Discontinued by manufacturer



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## End of Life “Legacy” Mobile Radio Models – Limited Support Available

Mobile Radios				
Manufacturer	Model	Version	Minimum Firmware	Additional Information
<a href="#">JVCKenwood / EF Johnson</a> <a href="#">Viking</a>	VM600	SCH, LCH, VCH	v8.30.16.57	Not approved for TDMA / OTAR / IV&D <a href="#">Discontinued by manufacturer</a>
	VM900			Not approved for TDMA / OTAR / IV&D <a href="#">Discontinued by manufacturer</a>
<a href="#">L3Harris</a>	XG-25M	CH-25	R06U02	Not approved for TDMA / OTAR / IV&D Discontinued by manufacturer
	XG-75M	CH-721, HHC-731	R06M03	
	XG-100M	CH-100, CH-721, HHC-731	R06T02	
<a href="#">Icom</a>	F7540	N/A	v4.20 or later	Failsoft not supported by this model Not approved for TDMA / OTAR / IV&D <b>NOT RECOMMENDED FOR PUBLIC SAFETY USE AND WAYNE COUNTY / REGION 2 AREA DUE TO FAILSOFT AND ARC4 ENCRYPTION LIMITATIONS</b>



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## Terminated “Legacy” Portable Radio Models – No Support Available

This table contains radios which are functionally end of life “legacy models.” These models have no manufacturer support and have been terminated from MSWIN support. These models are no longer eligible to be reprogrammed; however, they can remain in use as programmed until further notice.

Life-cycle replacement should be considered as soon as possible.

Portable Radios				
Manufacturer	Model	Version	Minimum Firmware	Additional Information
<a href="#">Motorola Solutions</a>	XTS-1500	All	N/A	N/A
	XTS-2500 (ALL)			
	XTS-3000			
	XTS-5000 (ALL)			
	ASTRO Saber			
<a href="#">JVCKenwood / EF Johnson</a> <a href="#">Viking</a>	VP400			
	51 series			
	53 series			
	Ascend ES series			
<a href="#">JVCKenwood</a>	TK-5400			
	TK-5410			
<a href="#">L3Harris</a>	P7200 / P7300			
<a href="#">Tait Communications</a>	TP9100			
<a href="#">Thales</a>	Liberty			





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## Terminated “Legacy” Mobile Radio Models – No Support Available

Mobile Radios				
Manufacturer	Model	Version	Minimum Firmware	Additional Information
XTL  <a href="#">Motorola Solutions</a>	XTL-1500	All	N/A	N/A
	XTL-2500			
	XTL-5000			
	ASTRO Spectra Plus			
	ASTRO Spectra			
	Spectra			
<a href="#">JVCKenwood / EF Johnson</a> Viking	VM400			
	5100 series			
	5300 series			
<a href="#">JVCKenwood</a>	TK-5910			
<a href="#">L3Harris</a>	M7200/M7300			
<a href="#">Tait Communications</a>	TM9100			



# Approved Subscriber Radios, Pagers, Dispatch Consoles, and Encryption Keyloaders

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## Minimum Subscriber Radio Specifications – L3Harris

XL series *(includes all models)* when **ENCRYPTION IS NOT REQUIRED**

Minimum required options:

- YRXL-PKGPT P25 Phase 1 Trunking
- YRXL-PL4F P25 Phase 2 TDMA Trunking *(required for all new radio purchases)*
- YRXL-PL9F P25 Conventional Fallback *(required for Motorola Failsoft support)*

XL series *(includes all models \*EXCEPT XL-45P and XL-150P)* when **ENCRYPTION IS REQUIRED**

Minimum required options:

- YRXL-PKGPT P25 Phase 1 Trunking
- YRXL-PL4F P25 Phase 2 TDMA Trunking *(required for all new radio purchases)*
- YRXL-PL9F P25 Conventional Fallback *(required for Motorola Failsoft support)*
- **YRXL-PKG8F DES-OFB & AES256 Encryption *(includes Multikey)***
- **YRXL-PL8Y ARC4 Encryption Lite**

XG series *(includes all models)* when **ENCRYPTION IS NOT REQUIRED**

Minimum required options:

- Option 33 P25 Common Air Interface (CAI) Standard
- Option 39 P25 Phase 1 Trunking

XG series *(includes all models \*EXCEPT XG-15P)* when **ENCRYPTION IS REQUIRED**

Minimum required options:

- Option 33 P25 Common Air Interface (CAI) Standard
- Option 39 P25 Phase 1 Trunking
- **Option 14 DES-OFB Encryption**
- **Option 37 AES256 Encryption**
- **Option 61 ARC4 Encryption Lite**



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## Minimum Subscriber Radio Specifications – Tait Communications

TP/TM series (*includes all models*) when **ENCRYPTION IS NOT REQUIRED**

Minimum required options:

- TPAS050 P25 Common Air Interface
- TPAS055 P25 Phase 1 Trunking
- TPAS091 P25 Phase 2 TDMA (*recommended for all new radio purchases*)

TP/TM series (*includes all models*) when **ENCRYPTION IS REQUIRED**

Minimum required options:

- TPAS050 P25 Common Air Interface
- TPAS055 P25 Phase 1 Trunking
- TPAS091 P25 Phase 2 TDMA (*recommended for all new radio purchases*)
- **TPAS058 AES Encryption**



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## Minimum Subscriber Radio Specifications – BK Technologies

BKR9000 Portable series (includes all models) when **ENCRYPTION IS NOT REQUIRED**

*Minimum required options:*

- BKR0579 P25 Phase 1 Trunking (required for all new radio purchases)
- BKR0593 P25 Phase 2 Trunking (required for all new radio purchases)

BKR9000 Portable series (includes all models) when **ENCRYPTION IS REQUIRED**

*Minimum required options:*

- BKR0579 P25 Phase 1 Trunking (required for all new radio purchases)
- BKR0593 P25 Phase 2 Trunking (required for all new radio purchases)
- BKR0574 AES Encryption (DES, ADP, ARC4 and Multikey included in BKR9000)

KNG M\*\*\* Mobile series (includes all models) when **ENCRYPTION IS NOT REQUIRED**

*Minimum required options:*

- KZA0569 P25 Phase 1 Trunking (required for all new radio purchases)
- KZA0594 P25 Phase 2 Trunking (required for all new radio purchases)

KNG M\*\*\* Mobile series (includes all models) when **ENCRYPTION IS REQUIRED**

*Minimum required options:*

- KZA0569 P25 Phase 1 Trunking (required for all new radio purchases)
- KZA0594 P25 Phase 2 Trunking (required for all new radio purchases)
- KZA0576 DES / AES Encryption (includes ARC4, ADP encryption and Multikey)



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KNG-P/KNG2 Portable series (includes all models) when **ENCRYPTION IS NOT REQUIRED**

*Minimum required options (Field Install Only):*

- KAA0579 P25 Phase 1 Trunking
- KAA0593 P25 Phase 2 Trunking

KNG-P/KNG2 Portable series (includes all models) when **ENCRYPTION IS REQUIRED**

*Minimum required options (Field Install Only)::*

- KAA0579 P25 Phase 1 Trunking
- KAA0593 P25 Phase 2 Trunking
- KAA0574 DES / AES Encryption (includes ARC4, ADP encryption and Multikey)



# Approved Subscriber Radios, Pagers, Dispatch Consoles, and Encryption Keyloaders

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# Approved Subscriber Radios, Pagers, Dispatch Consoles, and Encryption Keyloaders

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# Approved Subscriber Radios, Pagers, Dispatch Consoles, and Encryption Keyloaders

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# Approved Subscriber Radios, Pagers, Dispatch Consoles, and Encryption Keyloaders

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# Approved Subscriber Radios, Pagers, Dispatch Consoles, and Encryption Keyloaders

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