**A Basic Understanding** 

By
John King W9KXQ
Presented to ARC of Mt. Vernon
November 21, 2023



### **NOTES**

#### Website:

#### www.w9kxq.com/dmr

- P25: https://www.retevis.com/blog/what-is-p25-radio-
- D-STAR go to website: http://www.dstarinfo.com/home.aspx
  - DMR: <a href="https://www.dmrfordummies.com">https://www.dmrfordummies.com</a>
  - Yaesu System Fusion: <a href="https://3fs.net.au/c4fm/">https://3fs.net.au/c4fm/</a>

YOUR NOTES BELOW\_\_\_\_\_

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## **NOTES**

Channel Name	OVARC/V		
Receive Frequency	147.16500	☐ PTT Prohibit ☐ Talk	Around(Simplex)
Transmit Frequency	147.76500	☐ Work Alone ☐ DataACK Disable ☐ Auto Scan	
Correct Frequency[Hz]	0	- Digital -	
Channel Type	A-Analog ▼	Contact	STL Metro
Transmit Power	High ▼	J Radio ID	W9KXQ ▼
Band Width	12.5K ▼	Color Code	1
Busy Lock		Slot	Slot1
Scan List		Receive Group List	None v
ocan List	None	Digital Encryption	Off   Total
		Digital Encryption	OII Y
		AES Digital Encryption	Off ▼
		Multiple Key	Off v
Exclude channel from roaming	off -	4	Off v
-		1	Off v
DIVIN WODE	Repeater	SIVIS FURNIL	OII Y
			Call Confirmation   Ranging
		☐ Slot Suit ☐	SMS Confirmation
Analog		7	
CTCSS/DCS Decode			Reverse
CTCSS/DCS Encode	CTCSS _	103.5	I. Keverse
Squelch Mode	Carrier		
Optional Signal	Off		2TONE Decode ▼
DTMF ID	▼		Custom CTCSS 251.1
2Tone ID	1	R	StoneBot 1
5Tone ID	1 -	R5	ToneEot 1
PΠID	Off		
	OK Cancel		evious Next

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## **NOTES**

Digital Channel			>
Channel Name	GRN-IL STATE		
Receive Frequency	443.43125	☐ PTT Prohibit ☐ Talk	Around(Simplex)
Transmit Frequency	448.43125	☐ Work Alone ☐ DataACK Disable ☐ Auto Scan	
Correct Frequency[Hz]	0	Digital —	
Channel Type	D-Digital ▼	Contact	IL State Wide
Transmit Power	High ▼	Radio ID	W9KXQ ▼
Band Width	12.5K ▼	Color Code	7
TX Permit	Same Color Code	Slot	Slot1
Scan List	STLAnalog   ▼	Receive Group List	None
		Digital Encryption	Off
		AES Digital Encryption	Off
		Multiple Key	Off
Exclude channel from roaming	off	Random Key	Off
DMR MODE	Repeater	SMS Forbid	Off
			Call Confirmation Ranging
		☐ Slot Suit ☐	SMS Confirmation
Analog			
CTCSS/DCS Decode	Off 🔻		
CTCSS/DCS Encode	Off ▼	Reverse	
Squelch Mode	Carrier		
Optional Signal	Off 🔻	2TONE Decode	
DTMF ID	▼		Custom CTCSS 251.1
2Tone ID	1	R	5toneBot customize
5Tone ID	1		ToneEot customize
PTT ID	Off 🔻	116	Customize
	OK Cancel	Pr	evious <u>N</u> ext

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## **NOTES**

#### How to Program a DMR Radio

