

GMRS... what exactly is that?

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WRVP556 / AF40



Intro & History

- ❖ GMRS = General Mobile Radio Service
- ❖ In the 1970s it was a spin off from the Citizens Radio Service in the 60s
- ❖ An FCC license is needed to operate on GMRS
 - ❖ Cost is \$35 and no testing required



General Info & Use Cases

- ❖ Communicate with your family
 - ❖ Entire direct family is covered under your GMRS license
- ❖ Communicate on trails for hiking or offroading
- ❖ Communicate with larger groups who may not all be licensed hams.
 - ❖ Supporting sporting events
 - ❖ Search and rescue operations
- ❖ GMRS radios are typically HTs or mobile units
- ❖ ALL GMRS radios are limited to 50w max
 - ❖ Some channels are limited to 5w
- ❖ Typically, no programming is needed with GMRS radios



Legal Mumbo Jumbo

- ❖ Part 95 - This covers the GMRS service
- ❖ Part 90 – This covers the Land Mobile Radio service
 - ❖ aka: Professional Mobile Radio
- ❖ Part 97 – This covers the Amateur Radio service
- ❖ Know the differences and what type rating your device is certified to use.
 - ❖ “I’ll just MARS mod my UV-5R and that will work fine for GMRS, Marine bands, federal interop channels, etc.”
 - ❖ No, not in all cases/scenarios, it will not. You need to know the type rating and functionality of your radio and ensure the settings are configured per regs covering those bands/services.



FRS/GMRS Channel Table

Channel	Frequency	FRS Power	FRS Bandwidth	GMRS Power	GMRS Bandwidth
01	462.5625	2 W	12.5 kHz	5 W	20 kHz
02	462.5875	2 W	12.5 kHz	5 W	20 kHz
03	462.6125	2 W	12.5 kHz	5 W	20 kHz
04	462.6375	2 W	12.5 kHz	5 W	20 kHz
05	462.6625	2 W	12.5 kHz	5 W	20 kHz
06	462.6875	2 W	12.5 kHz	5 W	20 kHz
07	462.7125	2 W	12.5 kHz	5 W	20 kHz
08	467.5625	0.5 W	12.5 kHz	0.5 W	12.5 kHz
09	467.5875	0.5 W	12.5 kHz	0.5 W	12.5 kHz
10	467.6125	0.5 W	12.5 kHz	0.5 W	12.5 kHz
11	467.6375	0.5 W	12.5 kHz	0.5 W	12.5 kHz
12	467.6625	0.5 W	12.5 kHz	0.5 W	12.5 kHz
13	467.6875	0.5 W	12.5 kHz	0.5 W	12.5 kHz
14	467.7125	0.5 W	12.5 kHz	0.5 W	12.5 kHz
15	462.5500	2 W	12.5 kHz	50 W	20 kHz
16	462.5750	2 W	12.5 kHz	50 W	20 kHz
17	462.6000	2 W	12.5 kHz	50 W	20 kHz
18	462.6250	2 W	12.5 kHz	50 W	20 kHz
19	462.6500	2 W	12.5 kHz	50 W	20 kHz
20	462.6750	2 W	12.5 kHz	50 W	20 kHz
21	462.7000	2 W	12.5 kHz	50 W	20 kHz
22	462.7250	2 W	12.5 kHz	50 W	20 kHz

Links & Helpful Info

- ❖ RadioReference.com
- ❖ MyGMRS.com
- ❖ Great YouTube resource on GMRS topics/info:
 - ❖ https://www.youtube.com/watch?v=9Vr4brclvms&t=107s&ab_channel=NotaRubiconProductions
 - ❖ His humor is a bit dry, he doesn't use fancy terms/jargon and he just calls it like he sees it.. In a PG-13 kind of way 😊
 - ❖ Keep an open mind and do NOT become a Sad Ham.

