

Personal Radios (updated 07/2022)

Personal radio services (FRS and GMRS) are short-range, low-power radio communications using devices that operate much like walkie-talkies. As with other UHF radios, the reliable range is line-of-sight. The typical range between two hand-held units is one or two miles. Radios with output power 2 Watts or less (FRS), do not require an FCC license.

Radios can be purchased at retail outlets such as:

[Amazon](#)

[Best Buy](#)

[BuyTwoWayRadios.](#)

[BTECH](#)

Motorola T460 (Pair) 1 year warranty \$79

- No FCC License Needed

- 1.7 Watts of power

Motorola T402 (Pair) 1 year warranty \$69

- No FCC License Needed

- 1.7 Watts of power

<https://shop.motorolasolutions.com/sports-and-outdoor/category/sportsAndOutdoor>

Midland GXT1000VP4 (Pair) 3 year warranty \$70

- This radio needs an FCC GMRS license

- 2.5 Watts of power

Midland T290VP4 (Pair) 3 year warranty \$90

- This radio needs an FCC GMRS license

- 2.5 Watts of power

<https://midlandusa.com/product-category/lxtgxt/>

BTECH FRS-A1 (Pair) 1 year warranty \$60

- No FCC License Needed

- 1.9 Watts of power

<https://baofengtech.com/product/frs-a1/>



BTECH GMRS-V2 (Single unit) 1 year warranty \$70

- 3.6 Watts of power
- Removable antenna, PC programming
- This radio needs an FCC GMRS license

<https://baofengtech.com/product/gmrs-v2/>



Wouxun KG-805G (Single unit) 1 year warranty \$100

- 4.2 Watts of power
- Removable antenna, PC programming
- This radio needs an FCC GMRS license

Wouxun KG-905G (Single unit) 1 year warranty \$120

- 4.8 Watts of power
- Larger Battery, Removable antenna, PC programming
- Commercial grade radio with IP66 dust and water protection
- This unit needs an FCC GMRS license

<https://www.buywowayradios.com/wouxun-kg-905g.html>



FCC GMRS Licensing

Register and receive an FCC Registration Number (FRN):

<https://apps.fcc.gov/coresWeb/publicHome.do>

Apply for a GMRS license:

<https://wireless2.fcc.gov/UlsEntry/licManager/login.jsp>

- Log in with your FCC Registration Number (FRN) and password.
- On the left side of the page, click the Apply for a New License link.
- Choose “ZA – General Mobile Radio Service (GMRS)” from the radio service drop down list.
- Click Continue to navigate through the application.
- **Priced reduced in 2022, now \$35 (10 year license).**

In-dash/Under-dash GMRS radios are also available

- More transmit power for greater range
- These radios need an FCC GMRS license

Midland MXT575 Micromobile - 50 Watt 1 year warranty \$400

Midland MXT275 Micromobile - 15 Watt 1 year warranty \$165

Midland MXT115 Micromobile - 15 Watt 1 year warranty \$150

BTECH GMRS-50X1 - 50 Watt 1 year warranty \$210

