

Personal Radios

We're asking all members to purchase a personal radio to increase the safety on our drives. Radios offer the following benefits:

- Help keep our vehicles grouped together.
- Warn of upcoming turns.
- Check the last car has made a turn.
- Alert of car problems or make requests to stop.
- Warn of road hazards - runners, bikes, potholes, debris, etc.
- Ask for the approximate time until next planned stop.

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 can be purchased at retail outlets such as [Best Buy](#), [Amazon](#) and [BuyTwoWayRadios](#).

Here are some popular handheld models.

Motorola T460 (Pair) 1 year warranty \$73.99

No FCC License Needed

Motorola T402 (Pair) 1 year warranty \$69.99

No FCC License Needed

Motorola T480 (Single unit) 1 year warranty \$59.00

No FCC License Needed

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

Midland X-TALKER T71VP3 (Pair) 3 year warranty \$79.99

No FCC License Needed

Midland GXT1000VP4 (Pair) 3 year warranty \$89.99

To operate at full power, this unit needs an FCC GMRS license

Midland T290VP4 (Pair) 3 year warranty \$89.99

To operate at full power, this unit needs an FCC GMRS license

<https://midlandusa.com/product-category/x-talker/>



Baofeng Tech GMRS-V1 (Single unit) 1 year warranty \$54.99

- High-end features such as a removable antenna and PC programming
- Optional external antenna for greater range
- This unit needs an FCC GMRS license

<https://baofengtech.com/gmrs-v1>

In-dash GMRS radios are also available

- More transmit power and greater range than handhelds
- These need an FCC GMRS license



Midland MXT275 Micromobile-15 Watt 1 year warranty \$149.99

Midland MXT115 Micromobile-15 Watt 1 year warranty \$149.99

Midland MXT105 Micromobile-5 Watt 1 year warranty \$99.99

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

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.
- The cost is \$70 and the license is good for 10 years

If you have questions or would like help in evaluating a radio,

Please send a note to our club email address:

britcarswnc@gmail.com