



## Mag 7 Frequency List for Off-Road Racing

The following channels are programmed into Mag 7 Pit radios.

| Channel | Frequency | Name   | Use                |
|---------|-----------|--------|--------------------|
| 1       | 153.380   | M7MAIN | Mag 7 Primary      |
| 2       | 150.830   | M7SEC  | Mag 7 Secondary    |
| 3       | 158.655   | PROPTS | Pro Pits           |
| 4       | 151.775   | LOCOSM | Locos Mocos        |
| 5       | 150.860   | FAIR   | Fair               |
| 6       | 154.980   | BAJAPT | Baja Pits          |
| 7       | 151.925   | CHECK  | Checker            |
| 8       | 151.625   | W-MAN  | Weatherman         |
| 9       | 154.515   | PCI    | PCI                |
| 10      | 151.715   | BFGRLY | BFG Relay          |
| 11      | 153.395   | BFGPIT | BFG Main           |
| 12      | 155.160   | SAR    | Search & Rescue    |
| 13      | 151.490   | BITD   | Best in the Desert |
| 14      | 151.955   | HONDA  | Honda              |
| 15      | 153.140   | PROTRK | Pro Truck Main     |
| 16      | 152.570   | WIDEOB | Wide Open Baja     |
| 17      | 152.915   | MCMIL  | McMillian          |
| 18      | 152.960   | LSCAMP | Los Campeones      |

PCI, Inc. (<http://www.pciraceradios.com/>) specializes in serving the off-road community with quality communications. Contact them for turn-key solutions to your radio needs.

Note: You may not use a VHF radio in the United States without a valid FCC-issued license or Amateur radio license. Use of VHF radios in Mexico is allowed during the SCORE Baja race, and subject to local regulations.

In Mexico, a good bike/quad radio setup is the Icom V82 portable radio, with a Pryme headset and the Diamond high-gain antenna. Use an aftermarket 1700mAh battery on the radio for long races.

For base-stations and pit radios in Mexico, an economical and good-performing set-up is a Yaesu FT-1802M (50 watt) VHF radio and a Diamond CP-22E (6.5dB gain) antenna. The radio, antenna, and cable 50' of cable can often be found for less than \$250.

For chase vehicles in Mexico, a great radio setup is the Kenwood TM-V708A or the Kenwood TM-D700A radio. Both models can listen to *two* radio channels at one time, allowing your chase vehicle to listen to

your race channel *AND* weatherman at the same time.

## ***Radio Hints:***

1. Mount your base antenna as high up as possible. Antenna height is everything in Baja. A 5 watt hand-held radio on a hill will out-talk a 70 watt mobile down in a wash.
2. Use as large of an antenna as possible and practical. This means use 5/8 wave whips on buggies, and an external ship antenna on your bike.
3. With a hand-held VHF radio in a back-pack, you will only be able to talk to the pit from about ¼ to 1 mile out. With a properly installed radio in a race truck/buggie, you will be able to talk to the pits from roughly 1 and 10 miles out from the pit. The local terrain will determine just how far your signal will travel.
4. Have a VHF radio with you at all time during a SCORE race. It makes your pits go much faster by calling in and telling them your racer number. And, if you crash, get lost, or are injured, you may be able to call Mag 7 or weatherman for help. Because of terrain blocking the radio signals, you may have to find a local hill-top to talk out from.
5. Have a VHF radio in all your chase vehicles. If your chase or pit crews have only one radio, tell them to use it to listen to your race radio frequency whenever they are near where you are, and not to listen not weatherman. If you race with Mag 7, you may use Mag 7 radio frequency to talk to your racer.