



## 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

### Mag 7 Radio Relay:

With the 2011 Baja 1000 MAG-7 started trying a new radio concept for everyone's benefit. The Baja 500 that year drove home the point that everyone's pit-to-pit comm's are always, at best, a crap-shoot. Bob "the Weatherman" Steinberger made some scathing on-air comments regarding everyone's radio communications from remote pitting sites. Specifically, those of the pit-clubs.

Upon our return to the USA, we decided to find a way to back up all racers with better comm's. Our primary intent was to keep down-course MAG-7 pits informed of our racer progress and status. A secondary but, no less important goal is to....listen....for anyone who reaches out to us. This way, anyone, MAG-7 supported racer or not, can reach out for help if they really need it. Let's be honest, competition aside, knowing you are not "alone" out there gives great peace-of-mind.

The plan evolved as a network of all full service MAG-7 pits, spread throughout the course, with "MAG-7 radio HQ" located at a strategic high-altitude location. This allowed our pits to communicate racer progress, pit-to-pit, and down-course as the race progressed. If you, as a pit, racer or chaser are trying to find someone, and if Weatherman is "code-red", not doing status, or you simply cannot reach him, a shout out to MAG-7 at 153.380 could reach a friend.

This was never intended to take mojo away from the Weatherman or from BFG relay. The plan is not sanctioned by SCORE, but we did discuss this idea with them, and they are enthusiastic. We cannot and will not make "decisions" for them. With this plan we simply hope to benefit everyone, regardless of their particular "race-plan". We are hoping that we will be able to help pass on basic status and especially, emergency traffic if needed.

We are now fully approved and permitted for our high-altitude "listening post" during the Baja races. We are able to monitor MAG-7 main freq (153.380) and the Weatherman channel dependably and legally.

This is not intended to replace Weatherman or BFG. It is simply another avenue for pitters, racers and chasers to be able to "reach out". We hope that this idea and effort helps everyone by having radio equipped "friends" that can give you the information you need if you are having communication challenges.

"We are there, when and where you need us".

## Radio setups:

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 50' of cables can normally be had for under \$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 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 a quarter to a 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 times 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 to Weatherman. If you race with Mag 7, you may use Mag 7 radio frequency to talk to your racer.