

Chirp GPS Setup for Group Coordinate Exchange

The Radtel RT-490 provides for Group GPS tracking and real-time exchange of GPS locations. In order to use this nice function all that is necessary is to program each of the radios in the Group with a Common Channel, 3 common tables that are the same for each radio and 2 settings that are unique for each radio. The 2 unique settings are what enable identification of the GPS coordinates for each radio to update in real time for all of the radios in the group to view. With GPS active, pressing the up arrow cycles thru all the radios in the group.

Initial Setup (Same for ALL radios in Group):

[Step 1] List of Names Create up to 10 radio names for Group (use Custom ANI Names table)

[Step 2] List of 10 ID codes Create 1 for each name in Group (use ANI Codes table Positions 51 to 60)

[Step 3] Same 10 ID Code List to also be used for PTT/S-code (use DTMF Codes table positions 1 to 10)
Turn On 'ANI Side Tone' (last option on DTMF table)

[Step 4] Create the Common Memory/Channel that everyone will tune to.

These settings are identical for each Group radio and create the common shared tables and settings that allow Group members to exchange and track GPS locations in real time. Each radio's Table entries are exactly the same.

Repeat Setups (Unique for EACH radio in Group):

[Step 5] Set Unique Code ID select a **ANI ID** (Settings, Advanced, select from 51 thru 60)

[Step 6] Set Unique Radio ID select a **PTT ID/S-Code** (Click on the Common Memory/Frequency, then tabs Properties, Other and select from 1 thru #10)

*When All 6 steps are complete on the first radio (ANI #51, PTT #1), **SAVE File and Upload** to the radio.*

Repeat Routine for Additional Radios - After first radio, other radios in group can be setup much quicker. To program the rest of the radios in the Group, repeat the following A B C D steps for each radio:

- A. Without quitting Chirp, move programming cable to next radio (ex. 2nd Radio is **ANI ID #52** and **PTT ID #2**).
- B. [Repeat Step 5] Select unique **ANI ID** (Settings, Advanced, ANI Codes select from 51 thru 60)
- C. [Repeat Step 6] Select unique Radio ID (**PTT ID/S-Code**) (Frequency, Properties, Other select from 1 thru 10)
- D. Upload to Radio (writes the Chirp file including the unique changes), when complete, repeat for next.

When complete, each radio will have the Common Channel and three (3) tables populated and four (4) unique identification values assigned. As an example this is typical of what each radio might look like:

- Custom ANI Name: **'RADIO A'** (from Settings, Custom ANI Names table custom created)
- ANI Name ID Code: **"51"** (from Settings, Custom ANI Names table position number)
- ANI Tone Code: **"51051"** (from Settings, ANI Codes table custom created)
- PTT ID S-Code: **"1"** (from Settings, DTMF table position number)

Optional Radio Keyboard Method: *If the group of radios have all already been initialized (Step 1, 2, 3, 4), it is possible to do the unique changes (Steps 5, 6) by simply using the radio keyboard and Menu options. Menu #31 scrolls thru the ANI Names. Select the desired [Step 1] ANI Name that matches the ANI ID. Menu #32 scrolls thru the S-Codes. Select the [Step 2] PTT/S-Code.*