

Magone BPR40 VHF Out of band

I recently got a Magone VHF handheld radio. It is setup for 150Mhz-174Mhz. I found the CPS software online and tried to reprogram it for 2 meter ham radio. However the software won't allow out of band programming. So, I decided to look at the config file to see if I could make the changes to the file and upload it to the radio.

Well, It seems that the radio dump can be opened in windows notepad. And you can change a lot of things. The file has the extension (.cpg), and is 385 lines long.

I hooked up the radio and read the existing memory, and found it to be password protected. I looked in the manual and found that to reset the radio you hold PTT and the lower AUX button while turning on the radio and listening for the 3 beeps the radio will be reset to factory.

Hook the programmer up again and read the radio. Save the configuration file, and turn the radio off.(you won't need it while we work in the config file.

Open the config file that you saved with a text editor(I personally used UltraEdit) you can use notepad or any of the other editors that are out there.

If yours can show the line number it will help otherwise you will have to count backwards from the end.

as I was playing around with the config file I found that line 17 and 18 had the numbers that control the receive frequency of channel 1. I changed the number and save the file as another name and opened it in the CPS software, and sure enough the receive frequency was different.

So, I tried to upload it to the radio and I got an error message that said Invalid codeplug region.

I saved this file as yet another name, and opened it with Ultra Edit and started comparing the original to the latest file. All the data looked the same except lines 322-329. My original file had 1's in those lines and my new file had 4's.

I changed lines 322-329 to 1's and save the file as yet another file name and opened it with the CPS software and loaded it into the radio.... It programmed without a hitch.

This was Awesome. I now had a radio programmed for 2meter Ham radio. That was just on channel.

I opened the file with the error message and was able to program all the channels to 2 meter Freq's. Then, I saved it and opened it in Ultra Edit. I then went to lines 322-329 and changed all the 4's to 1's and saved it.

I opened it with the CPS and loaded it to the radio and Eureka I have an 8 channel 5W 2 meter handheld radio.