

# How to program your SAMCOM Two Way Radio

1. First download the free Customer Service program software from SAMCOM at <http://www.sanconsales.com/download.html>

The name of the download is "SamcomRadioFreqTools\_V1.1\_20230417"

2. Unzip the free software on your PC. If you do not have an unzipping tool installed on your PC, you can obtain a free copy of "7-Zip" at <https://www.7-zip.org/>

3. Once the program is unzipped and installed, run the SAMCOM programmable Program. A list of pre-programmed frequencies will be displayed. Plug in your USB program cable into your PC, and the other end of the program cable into the speaker microphone jack of your SAMCOM radio. Next and select the proper USB port on the top right of the screen. Press "READ" on the right side of the screen. The frequencies that are stored on your radio from the factory will now be displayed. Make any necessary changes to the frequencies that you wish, then the CTS/DCS tones (PL Tones) and select either 12.5K or 25.0K bandwidth (narrowband or wideband) depending on your radio service. Most FRS Frequencies are narrowband (12.5K) and Amateur Radio (HAM Radio) frequencies are wideband (25.0K)

The screenshot shows the SAMCOM Radio FreqTools software interface. The window title is "SAMCOM\_Radio\_FreqTools-V1.1-20230417". The interface is divided into several sections:

- System Parameter:** Includes settings for Anno.Lang (English), Frequency (406.1-470MHz), SQL Level (4), Power Mode (High), TOT (60s), VOX Level (OFF), Group (CH0), Serial, User ID, Componder (OFF), and Scrambler (OFF).
- Channel Parameter:** A table with columns for Channel, RX Frequency (MHz), TX Frequency (MHz), RX CTS/DCS, TX CTS/DCS, and Band (Hz). The table lists channels CH01 through CH19 and CH0. CH01-CH19 are set to 25.0K bandwidth, while CH0 is set to 12.5K bandwidth.
- COM Port:** A dropdown menu showing "COM7".
- Read & Write:** Buttons for "Read" and "Write". The "Write" button is highlighted with a green checkmark, and a status message below it says "Model:ZNN011 Write Successful".
- Bottom Status Bar:** Shows "100.0%".

Channel	RX Frequency (MHz)	TX Frequency (MHz)	RX CTS/DCS	TX CTS/DCS	Band (Hz)
CH01	444.42500	449.42500	100.0	100.0	25.0K
CH02	444.47500	449.47500	94.8	94.8	25.0K
CH03	444.47500	444.47500	OFF	94.8	25.0K
CH04	438.30000	438.30000	156.7	156.7	25.0K
CH05	438.30000	438.30000	OFF	OFF	25.0K
CH06	446.00000	446.00000	OFF	OFF	25.0K
CH07	446.50000	446.50000	OFF	OFF	25.0K
CH08	447.80000	447.80000	D255	D255	25.0K
CH09	462.68750	462.68750	OFF	OFF	25.0K
CH10					
CH11					
CH12					
CH13					
CH14					
CH15					
CH16					
CH17					
CH18					
CH19					
CH0	462.66250	462.66250	D225	D225	12.5K

When you are done entering all the frequencies, on the left side of the program screen, make any changes that you wish, Language, squelch, and power level.

Next write the program into the radio by pressing "WRITE" on the right side of the screen. When 100% appears on the bottom of the screen, the radio is programmed. If you are programming a fleet or small group of radios, simply plug the program cable into the second radio and press "WRITE" and continue with however many radios that you have in your group of radios.