

Steps to program your radios

1. This is the guide for programming VOOPON T20 walkie-talkies with Windows 10/11.

Before using the frequency programming software, you must prepare the **software** and the **Programming cable**.

(a) Please download the software from the follow site and set up the software.

<https://lingjuimg.com/wp-content/uploads/mikai/2025/03/T20-FRS-V1.0.1.zip>

(b) Programming Cable



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2. Once the programming cable is ready, turn on your radio to any channel, plug the 2-pin end into the earpiece jack of the radio, the other USB end goes to your computer USB port.



3. Double click the T20FRS” in the “T20 FRS folder to start the program.

T20FRS

File(F) Programmable(P) Setting(S) Help(H)

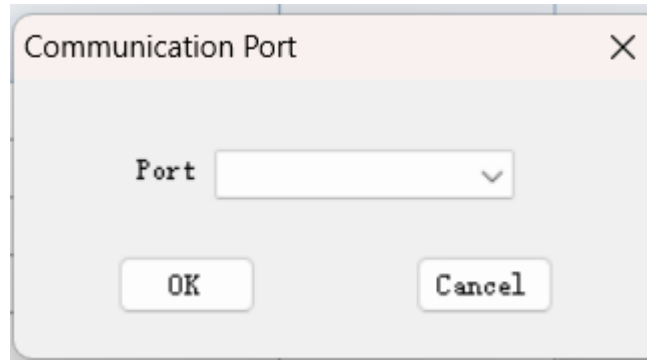
New Open Save Read Write

Password: ☐ SQL 3 Voice SW ON High Vol Inhibit TX ☒
New Password ☐ Side Key Monitor Voice Select English Low Vol Inhibit TX ☒
TOT[s] 60 Battery Save ON VOX ☐
Scan ON Beep ON Rx Disable Vox ☐
Rx Emergency OFF Vox Gain 1

CH	Rx Freq.	Tx Freq.	Rx CTC/DCS Code	Tx CTC/DCS Code	Tx Power	BandWid	ScanAdd	BusyLock
1	462.56250	462.56250	OFF	OFF	HIGH	NARROW	ON	OFF
2	462.58750	462.58750	OFF	OFF	HIGH	NARROW	ON	OFF
3	462.61250	462.61250	OFF	OFF	HIGH	NARROW	ON	OFF
4	462.63750	462.63750	OFF	OFF	HIGH	NARROW	ON	OFF
5	462.66250	462.66250	OFF	OFF	HIGH	NARROW	ON	OFF
6	462.68750	462.68750	OFF	OFF	HIGH	NARROW	ON	OFF
7	462.71250	462.71250	OFF	OFF	HIGH	NARROW	ON	OFF
8	467.56250	467.56250	OFF	OFF	LOW	NARROW	ON	OFF
9	467.58750	467.58750	OFF	OFF	LOW	NARROW	ON	OFF
10	467.61250	467.61250	OFF	OFF	LOW	NARROW	ON	OFF
11	467.63750	467.63750	OFF	OFF	LOW	NARROW	ON	OFF
12	467.66250	467.66250	OFF	OFF	LOW	NARROW	ON	OFF
13	467.68750	467.68750	OFF	OFF	LOW	NARROW	ON	OFF
14	467.71250	467.71250	OFF	OFF	LOW	NARROW	ON	OFF
15	462.55000	462.55000	OFF	OFF	HIGH	NARROW	ON	OFF
16	462.57500	462.57500	OFF	OFF	HIGH	NARROW	ON	OFF

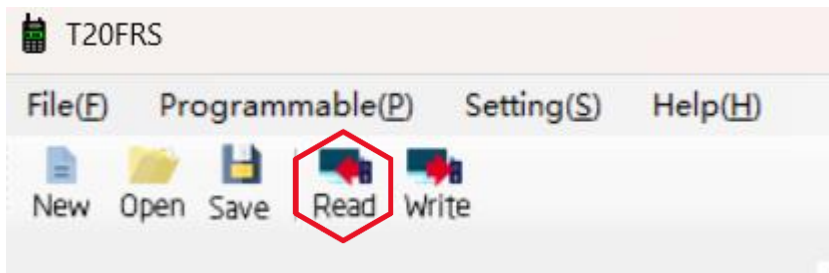
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4. Once programming cable is properly connected, follow the steps below to select the communication port from the menu:



The program will automatically detect the available communication port while in some cases you will need to manually assign it.

5. After having done the previous steps, check the COM port is available and follow the steps below to Read data from your radios.



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System: Windows 10

6. When transferring data, a list of channels data will show when loading is completed.

The screenshot displays a software interface for programming radios. At the top, there are menu options: New, Open, Save, Read, and Write. Below these are fields for Password and New Password, each with a checkbox. The main area contains various settings: SQL (3), Side Key (Monitor), TOT[s] (60), Scan (ON), Rx Emergency (OFF), Voice SW (ON), Voice Select (English), Battery Save (ON), Beep (ON), High Vol Inhibit TX (checked), Low Vol Inhibit TX (checked), VOX (unchecked), Rx Disable Vox (unchecked), and Vox Gain (1). Below these settings is a table with 9 columns: CH, Rx Freq., Tx Freq., Rx CTC/DCS Code, Tx CTC/DCS Code, Tx Power, BandWidth, ScanAdd, and BusyLock. The table lists 22 channels with their respective frequencies and settings. A tooltip 'OFF' is visible over the 'Tx CTC/DCS Code' cell for channel 13.

CH	Rx Freq.	Tx Freq.	Rx CTC/DCS Code	Tx CTC/DCS Code	Tx Power	BandWidth	ScanAdd	BusyLock
7	462.71250	462.71250	OFF	OFF	HIGH	NARROW	ON	OFF
8	467.56250	467.56250	OFF	OFF	LOW	NARROW	ON	OFF
9	467.58750	467.58750	OFF	OFF	LOW	NARROW	ON	OFF
10	467.61250	467.61250	OFF	OFF	LOW	NARROW	ON	OFF
11	467.63750	467.63750	OFF	OFF	LOW	NARROW	ON	OFF
12	467.66250	467.66250	OFF	OFF	LOW	NARROW	ON	OFF
13	467.68750	467.68750	OFF	OFF	LOW	NARROW	ON	OFF
14	467.71250	467.71250	OFF	OFF	LOW	NARROW	ON	OFF
15	462.55000	462.55000	OFF	OFF	HIGH	NARROW	ON	OFF
16	462.57500	462.57500	OFF	OFF	HIGH	NARROW	ON	OFF
17	462.60000	462.60000	OFF	OFF	HIGH	NARROW	ON	OFF
18	462.62500	462.62500	OFF	OFF	HIGH	NARROW	ON	OFF
19	462.65000	462.65000	OFF	OFF	HIGH	NARROW	ON	OFF
20	462.67500	462.67500	OFF	OFF	HIGH	NARROW	ON	OFF
21	462.70000	462.70000	OFF	OFF	HIGH	NARROW	ON	OFF
22	462.72500	462.72500	OFF	OFF	HIGH	NARROW	ON	OFF

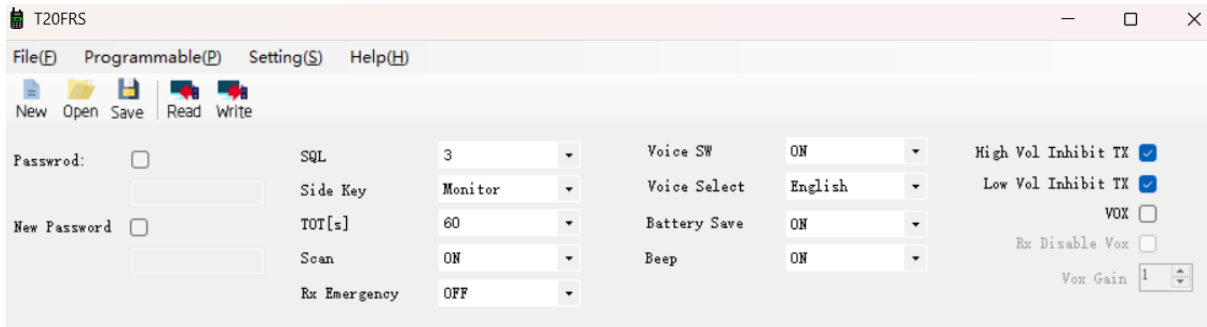
(Please do not disconnect the cable during the process). Click into any of the cells to edit channel data, please ensure frequency consistency while writing data to different radios in order to make them work together.

To enable CTCSS/DCS function, select built-in codes from the drop-down menu.

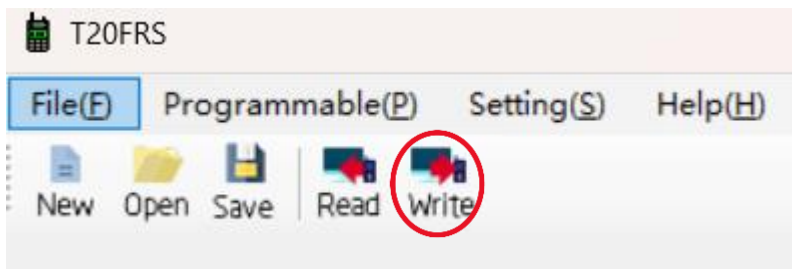
Only with the same decoding and encoding will two channels be able to contact.

7. Advanced feature setting interface

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Finally, when all settings are done, don't forget to write your data into your radios to save all changes.



Select **“write to the radio”** from Program menu. Click OK button.

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**Thank you for reading, if you have
any further question, don't hesitate
to contact us at :**

service@vooptonradio.com