TIDRADIO TD-F9GP Programming Guide

INTRODUCTION

TIDRADIO TD-F9GP is a dual-band (VHF, UHF) versatile amateur radio. It offers 128 channels, you can add or remove channels from scanning list and give channels alphanumeric names via programming with a computer. This Programming Guide will help you get a quick start to program the radio.

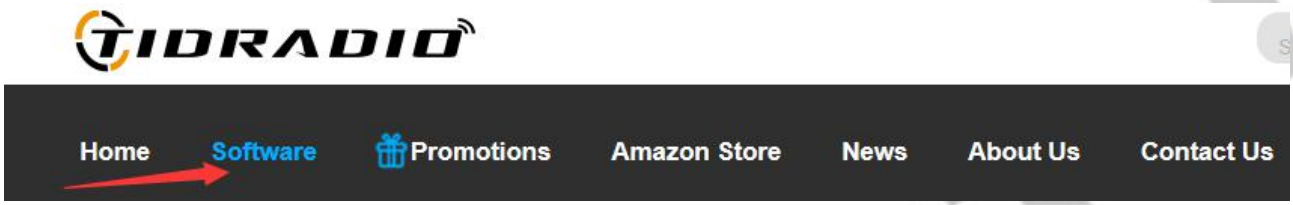
Contents

Driver Install Guide

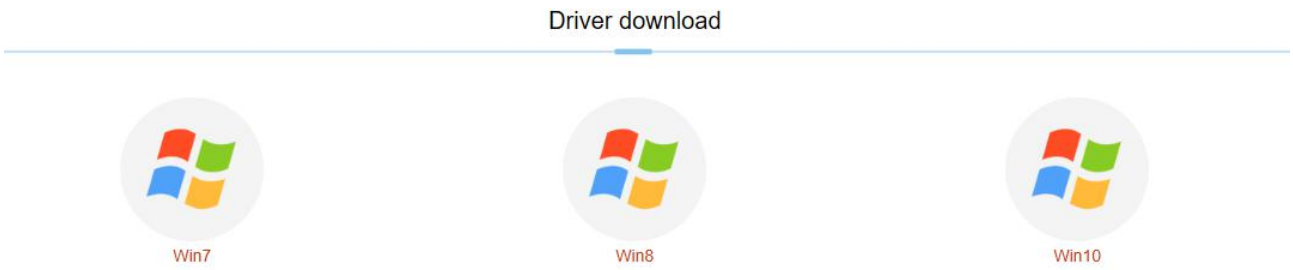
Driver Download Website:

walkietalkiesoftware.com

Click “Software”

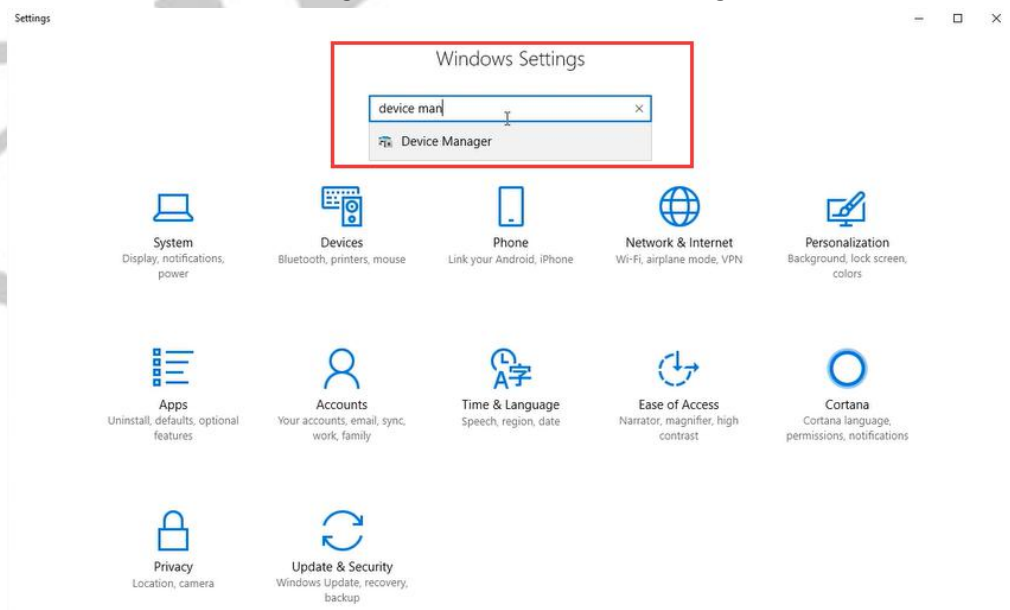


Select the driver compatible with your computer system, and then download to install

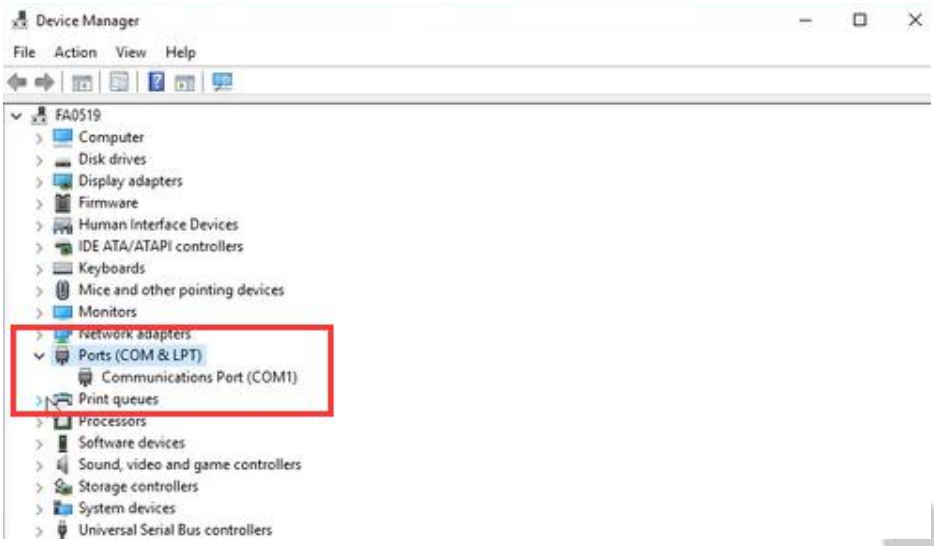


WINDOWS TROUBLESHOOTING HELP(How to check the COM Port):

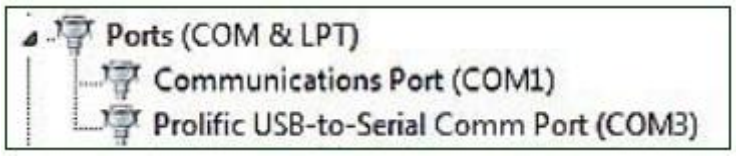
1.Get into “Window Setting”, then search “Device Manager”.



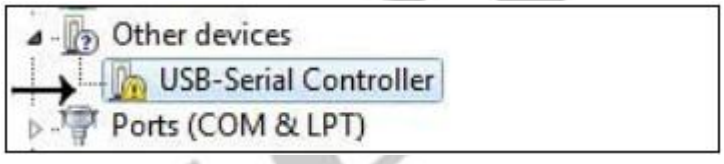
2.Open “Device Manager”, and unfold Port (COM & LPT) to check the existing port.



3.If there is no yellow warning triangle,your system install the correct driver and you are ready to load your programming software. (**Software Website : walkietalkiesoftware.com**)



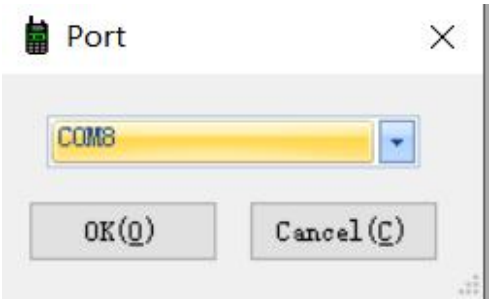
4.If there is a yellow warning triangle under 'Ports' or 'Other Devices',you operating system has a previous driver that may cause incompatibility issues and you will need to update the driver to the latest driver:



2. Radio Reading

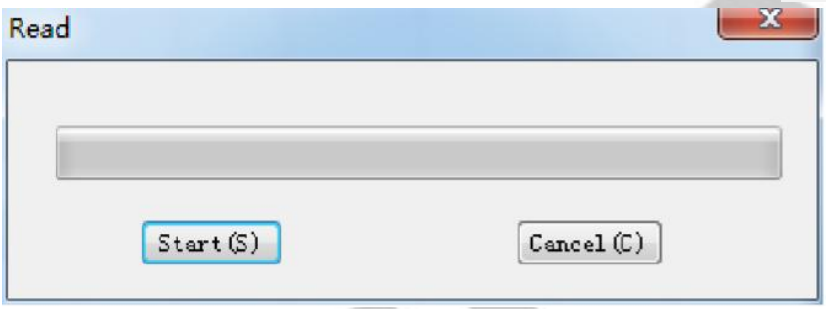
Programming software download link: walkietalkiesoftware.com

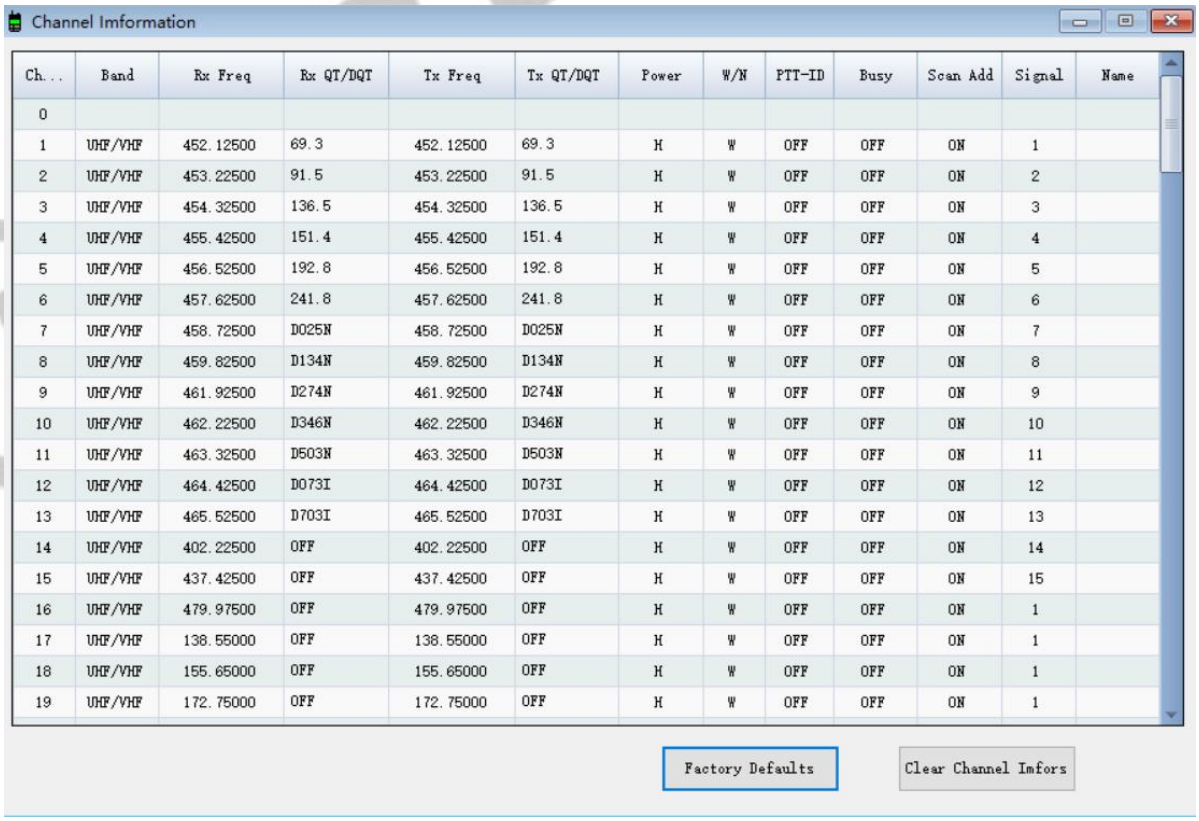
Download and run the TD-F9GP programming software, click Setting – Port menu, select the corresponding port number, click “OK”.



Read the current information from the radio to your PC to create an initial program template. Click Program – Read Data From Radio, or simply click the 

icon.





Ch...	Band	Rx Freq	Rx QT/DQT	Tx Freq	Tx QT/DQT	Power	W/N	PTT-ID	Busy	Scan Add	Signal	Name
0												
1	UHF/VHF	452.12500	69.3	452.12500	69.3	H	W	OFF	OFF	ON	1	
2	UHF/VHF	453.22500	91.5	453.22500	91.5	H	W	OFF	OFF	ON	2	
3	UHF/VHF	454.32500	136.5	454.32500	136.5	H	W	OFF	OFF	ON	3	
4	UHF/VHF	455.42500	151.4	455.42500	151.4	H	W	OFF	OFF	ON	4	
5	UHF/VHF	456.52500	192.8	456.52500	192.8	H	W	OFF	OFF	ON	5	
6	UHF/VHF	457.62500	241.8	457.62500	241.8	H	W	OFF	OFF	ON	6	
7	UHF/VHF	458.72500	D025N	458.72500	D025N	H	W	OFF	OFF	ON	7	
8	UHF/VHF	459.82500	D134N	459.82500	D134N	H	W	OFF	OFF	ON	8	
9	UHF/VHF	461.92500	D274N	461.92500	D274N	H	W	OFF	OFF	ON	9	
10	UHF/VHF	462.22500	D346N	462.22500	D346N	H	W	OFF	OFF	ON	10	
11	UHF/VHF	463.32500	D503N	463.32500	D503N	H	W	OFF	OFF	ON	11	
12	UHF/VHF	464.42500	D073I	464.42500	D073I	H	W	OFF	OFF	ON	12	
13	UHF/VHF	465.52500	D703I	465.52500	D703I	H	W	OFF	OFF	ON	13	
14	UHF/VHF	402.22500	OFF	402.22500	OFF	H	W	OFF	OFF	ON	14	
15	UHF/VHF	437.42500	OFF	437.42500	OFF	H	W	OFF	OFF	ON	15	
16	UHF/VHF	479.97500	OFF	479.97500	OFF	H	W	OFF	OFF	ON	1	
17	UHF/VHF	138.55000	OFF	138.55000	OFF	H	W	OFF	OFF	ON	1	
18	UHF/VHF	155.65000	OFF	155.65000	OFF	H	W	OFF	OFF	ON	1	
19	UHF/VHF	172.75000	OFF	172.75000	OFF	H	W	OFF	OFF	ON	1	

3. Channel Information

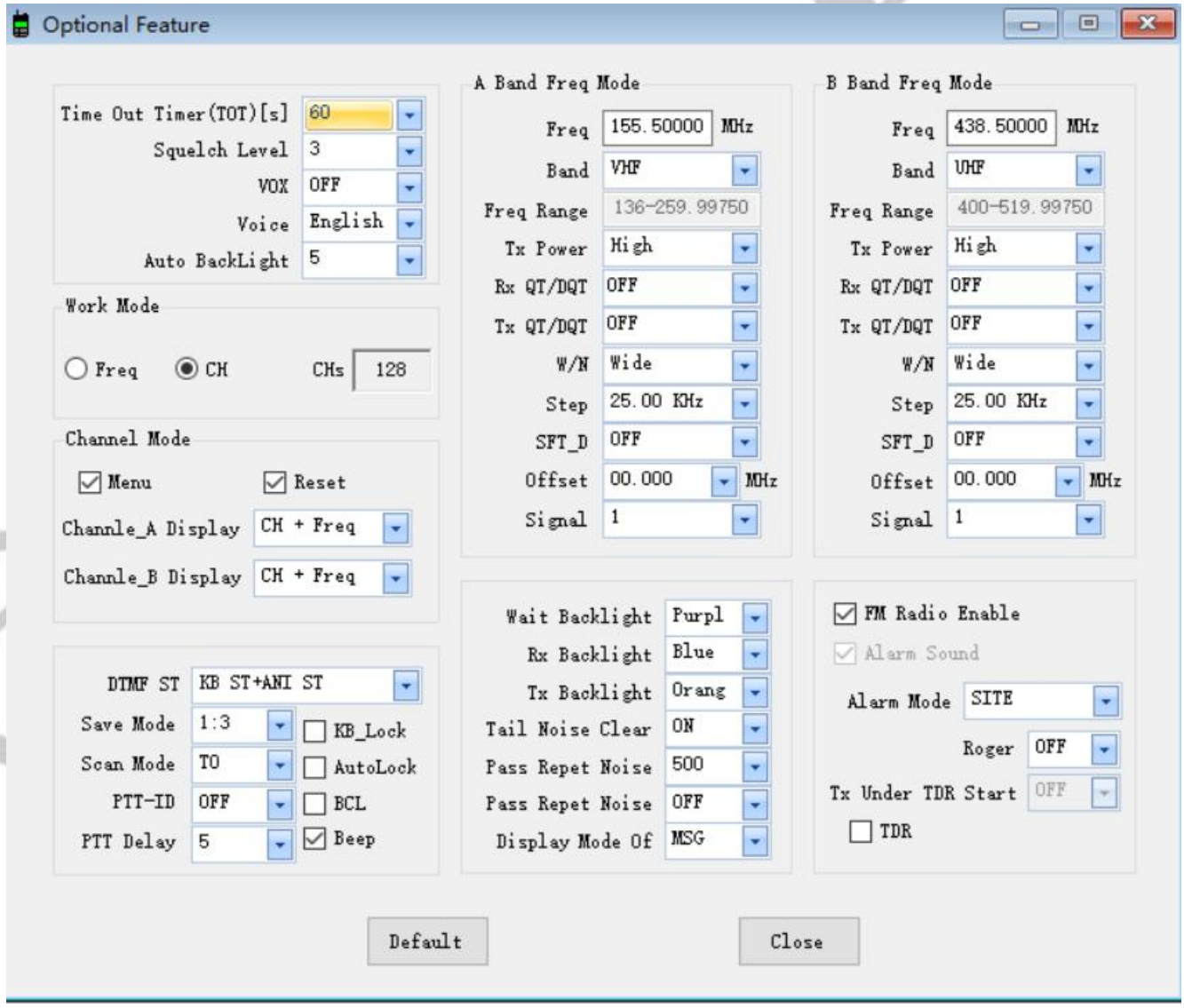
The TD-F9GP radio has 128 channels, you can edit the channel number and channel information according to your needs. The following is an introduction to each term.

Name	Meaning	Setting	Description
RX Freq	Receiving frequency	VHF:136-174MHz UHF:400-520MHz	
TX Freq	Transmitting frequency	VHF:136-174MHz UHF:400-520MHz	
RX QT/DQT	Receiving CTCSS/DCS	Refer to the DCS table and CTCSS table in the manual.	Mutes the speaker of the transceiver in the absence of a specific low level digital signal. If the station you are listening to does not transmit this specific signal,you will not hear anything.
TX QT/DQT	Transmitting CTCSS/DCS	Refer to the DCS table and CTCSS table in the manual.	Transmits a specific low-level digital signal to unlock the squelch of a distant receiver (usually a repeater).
POWER	Transmit power	HIGH/LOW	High power:8W Middle:4W LOW：1W
W/N	Channel bandwidth	WIDE/NARROW	Wideband (25kHz bandwidth) narrowband (12.5 kHz bandwidth).
PTT-ID	When to send the PTT-ID	**OFF** does not send code; **BOT** press PTT button to send code; **EOT** release PTT button to send code; **BOTH** press and release PTT button to send code	Codes are sent during either the beginning or end of a transmission.
Busy	Busy Channel Lockout	OFF/ON	**ON:** If the channel is occupied, when you press the [PTT] key on this channel, the radio will make a beep tone and will not transmit any signal. **OFF**: No matter if the channel is occupied, the radio will transmit the signal when you press the [PTT] key.

Scan add		OFF/ON	In the scan mode, whether add the channel to the scan list. **ON**: the channel is added to scan list; **OFF**: the channel cannot be scanned.
Signal	Signal code	1-15	Selects 1 of 15 DTMF codes. The DTMF codes are programmed with software and are up to 5 digits each
Name	Customize channel name	Up to 10 digits.	Support alphanumeric channel name.

4. Optional Feature

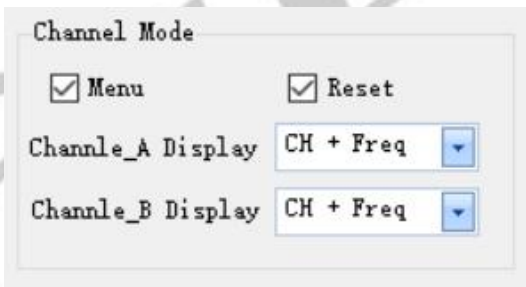
Click Edit – Optional Feature, you can set up more functions for the radio.



1) Basic Setting

Name	Meaning	Settings	Description
TOT(Time Out)	Transmission time-out timer	15-600(s)	This feature provides a limits transmission time to a programmed value. This will promote battery conservation by not allowing you to make excessively long-time transmissions and in the event of a stuck PTT switch, it can prevent interference to other users as well as battery depletion.
Squelch Level		0-9	Mutes the speaker of the transceiver in the absence of a strong signal. Squelch is either OFF or 1-9 levels. The higher level, the stronger the signal must be to in-mute the speaker.
VOX	Voice operated TX	0-10	When enabled it is not necessary to push the [PTT] button on the transceiver. Adjust the gain level to an appropriate sensitivity to allow smooth transmission.
Voice switch		ON/OFF	Toggle voice prompt switch
Language		Chinese/English	Switch the language of menu display and voice prompts
Auto backlight	Display time	OFF/0-10 (s)	Time-out for the LCD backlight.
Work mode		VFO	CHs is channel quantity
		Channel	

2) Channel Mode



You can customize the display on Channel A/B:

CH + Name: Display Channel Number and Channel Name (Name column in Channel information part)

CH + Freq: Display Channel Number and Frequency

3) DTMF

Name	Setting	Description
DTMF ST (DTMF side tone of transmit code)	**OFF:** No DTMF Side Tones are heard	Determines when DTMF side tones can be heard from the transceiver speaker
	KB Side Tone: Side Tones are heard only from manually keyed DTMF codes	
	ANI Side Tone: Side Tones are heard only from automatically keyed DTMF codes	
	KB ST+ANI ST: All DTMF Side Tones are heard	
Save mode	OFF/Mode 1/Mode 2/Mode 3	Selects the ratio of sleep cycles to awake cycles (Mode 1/Mode 2/Mode 3). The higher number the longer the battery lasts. When enabled, a word or two might be missed when the frequency being monitored becomes active.
Scan mode	**TO:** Time Operation - scanning will resume after a fixed time has passed	Scanning Resume Method
	CO: Carrier Operation -Scanning Resume Method scanning will resume after the signal disappears	
	SE: Search Operation scanning will not resume	
PTT_ID	**OFF**: No ID is sent	When to Send PTT-ID; Codes are sent during either the beginning or end of a transmission.
	BOT : The selected S-CODE is sent at the beginning	
	EOT: The selected S-CODE is sent at the ending	
	BOTH: The selected SCODE is sent at the beginning and ending	
PTT Delay	0-30ms	Signal code sending delay
KB_LOCK		If you select this option, the keyboard is locked.
AutoLock(automatic keypad lock)		When ON, the keypad will be locked if not used in 8 seconds. Pressing the [# ╔O] key for 2 seconds will unlock the keypad.
BCL(busy channel Lock-out)		**Check**: If the channel is occupied, when you press the [PTT] key on this channel, the radio will make a beep tone and will not transmit any

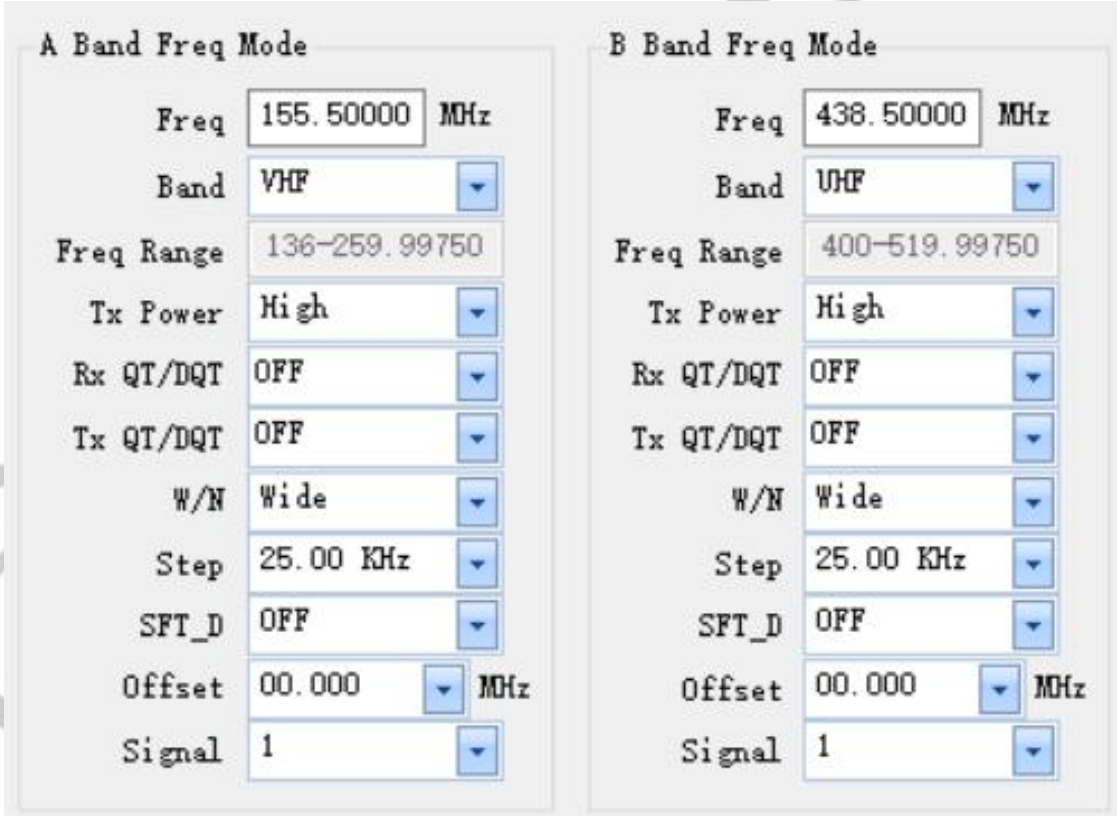
		signal. **Uncheck**: No matter if the channel is occupied, the radio will transmit the signal when you press the [PTT] key.
Beep(keypad beep)		Allows audible confirmation of a key press

4) Frequency mode

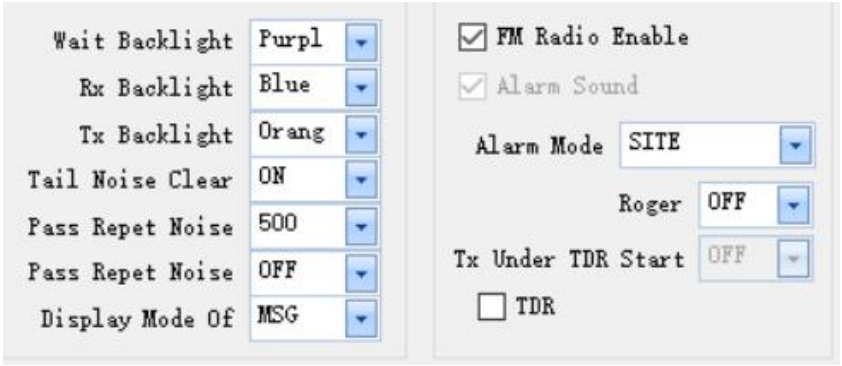
STEP: Select the amount of frequency change in VFO/Frequency mode when scanning or pressing the keys.

SFT_D: Enable access of repeaters in VFO/Frequency Mode ([OFF]: TX = RX (simplex); [+]: TX will be shifted higher than RX in frequency; [-]: TX will be shifted lower than RX in frequency)

Offset: Specifies the difference between the TX and RX frequency (For the explanation of TX Power, RX QT/DQT, TX QT/DQT, W/N, Signal, please refer to the section 3)



5) Backlight and Sound



6) FM Radio

FM Radio Enable: When you check off, FM Radio function will be activated on the radio.
Roger: Sends an end-of-transmission tone to indicate to other stations that the transmission has ended
TX Under TDR Start: Transmit selection while in Dual Watch mode, when enabled, priority is returned to selected display once the signal in the other display disappears.
TDR: Dual Watch mode, the ability to monitor two channels at once can be a valuable asset.

5. Write and Save

Click Program - Write Data To Radio, or click the 

icon to write and save the setting to the radio.

*If you have any problem with the TD-F9GP radio using or programming, please don't hesitate to contact us via support: walkietalkiesoftware.com. It's always our honor to help.