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1. Cable Driver Installation

2-Pin K-plug programming cable (package included)

Compatible System

Latest Windows system (i.e. Windows 7, Windows 10)

Cable Driver and Guideline

If the following picture is not clear, please check this link

https://cdn.shopify.com/s/files/1/0011/7220/9721/files/RD-201_Cable_Driver_Installation.png?v=1576652703

Download the corresponding driver which matches your computer system (Win7/Win8/Win10).

3. Channel Information

The GS-5B 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	FM:87-108MHz VHF/UHF:108-520MHz	Only receive channels automatically in FM band, not support manual operation.
TX Freq	Transmitting frequency	VHF:136-174MHz UHF:400-520MHz	
RX CTCSS/DCS	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 CTCSS/DCS	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: 5W LOW: 1W
W/N	Channel bandwidth	WIDE/NARROW	Wideband (25 kHz bandwidth) or 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.

Encryption	Communication Encryption	OFF/ON	Only support encrypted communication among GS-5B, even if the same setting with other model radios.
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4. Optional Feature

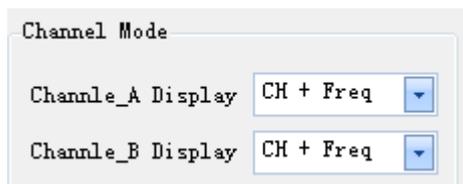
Click Edit – Optional Feature, you can set up more functions for the radio.

1) Basic Setting

Name	Meaning	Settings	Description
TOT(Time Out)	Transmission time-out timer	OFF-240(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		0-5	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	OFF-3	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.
VOX Delay		0.5-2S	VOX delay can stop circuit closed to keep your words completely transit
Voice Prompt		ON/OFF	Toggle voice prompt switch
Auto backlight	Display time	Bright-3min	Time-out for the LCD backlight.

2) Channel Mode



You can customize the display on Channel A/B:

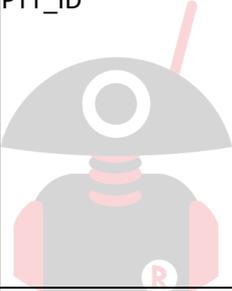
CH + Name: Display Channel Number and Channel Name (Name column in Channel information part)

CH + Freq: Display Channel Number and Frequency



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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	
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
AutoLock (automatic keypad lock)		When ON, the keypad will be locked if not used in 8 seconds. Pressing the [#P0] 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

3) 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)

A Band Freq Mode	B Band Freq Mode
Freq: 146.02500 MHz	Freq: 440.02500 MHz
Tx Power: High	Tx Power: High
Rx: OFF	Rx: OFF
Tx: OFF	Tx: OFF
W/N: Wide	W/N: Wide
Step: 20.00 KHz	Step: 20.00 KHz
SFT_D: OFF	SFT_D: OFF
Offset: 00.0000 MHz	Offset: 00.0000 MHz
Signal: 1	Signal: 1
Encryption: OFF	Encryption: OFF

4) Backlight and Sound

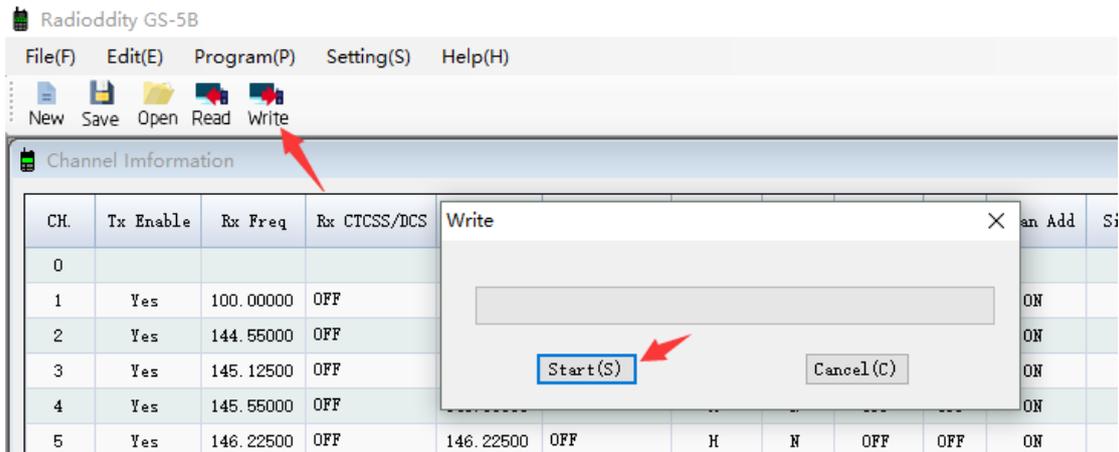
RPT Noise Clear: Squelch Tail elimination

RPT Noise Detect: Trunk tail delay

Tail Noise Clear: ON	<input checked="" type="checkbox"/> Alarm Sound
RPT Noise Clear(ms): 500ms	Alarm Mode: TONE
RPT Noise Delay(ms): 0	Roger: OFF
Power On Msg: pictu	<input type="checkbox"/> TDR
Menu Auto Quit: 10s	<input checked="" type="checkbox"/> FM Radio
Mic Gain: 3	<input type="checkbox"/> KB_Lock
	<input type="checkbox"/> BCL
	<input type="checkbox"/> AutoLock
	<input checked="" type="checkbox"/> Beep

5. Write and Save

Click Program - Write Data To Radio, or click the  icon to write and save the setting to the radio.



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