

How to manually program a SIMPLEX channel

Step 1: Press [VFO/MR] and enter Frequency Mode.

Step 2: Press [A/B] and choose the A Side (upper display).The A side must be used to program channels into the radio. Programming data entered on the B Side (lower display) will not be saved.

Step 3: Press [BAND] for the frequency band.Toggle [BAND] to choose 136 MHz (VHF) or 470 MHz (UHF).If the incorrect band is chosen for the frequency entered in Step 5, the radio will cancel the operation.

Step 4: Disable TDR (Dual Watch/Dual Standby).Press [MENU] 7 [MENU] [press up/down arrow keys] OFF [MENU] [EXIT] It is highly advised to turn TDR off when programming directly from the radio.

Step 5: Enter the frequency. Use the keypad to enter the frequency into the radio.

Step 6: optional - Enter the transmit CTCSS/DCS code.

CTCSS - [MENU] 13 [MENU] [enter/choose code XXXX] [MENU] [EXIT]

DCS - [MENU] 12 [MENU] [choose code XXXXX] [MENU] [EXIT]

Changing the Voice Language to English from Chinese:

Step 1: press [MENU]

Step 2: use the up/down arrow or press keys [1], [4] to jump to the VOICE menu item (menu item number 14)

Step 3: press [MENU] and use the up/down keys to select ENG

Step 4: press [MENU] to confirm/save

Step 5: press [EXIT]

Delete any existing data on the channel

[MENU] 28 [press up/down arrow keys to choose channel number] [MENU] [EXIT]

Setting the squelch (SQL)

The settings are 0-9 with ascending order of sensitivity to the strength of incoming signal. 0 means no squelch.

Step 1: press [MENU]

Step 2: use the up/down arrow or press [0] to jump to the SQL menu item

Step 3: press [MENU] and use the up/down keys to set the SQL to 5

Step 4: press [MENU] to confirm/save

Step 5: press [EXIT]

Commonly Used Menu Items:

0	SQL	RF Squelch
2	TXP	Transmit power (Tap # to temporarily change power)
11	R-CTCS	Receive CTCSS (PL)
13	T-CTCS	Transmit CTCSS (PL)
25	SFT-D	Repeater Shift Direction
26	OFFEST	Repeater Offset (MHz)
27	MEM-CH	Save to memory channel
28	DEL-CH	Delete memory channel

G L O S S A R Y

A/B - (button) Many radios come with two functional sets of radio hardware that can be switched from one to the other via [A/B] button.

CALLSIGN - FCC designated unique identifier for each license ham operator.

CHANNEL MODE(MR) - Radio uses channel numbers or names to select pre-programed frequencies and settings. (SEE VFO)

DUPLEX - Uses 2 frequencies to 'bounce' your lower power signal off of a higher power tower/transmitter.(SEE SIMPLEX)

FCC - The gov't agency that defines rules and regulations governing the use of radios for personal communications.

PTT - Push To Talk(button) is what you press when you want to Tx

Rx - Receive / to decode an RF signal and convert it into audio/voice

SIMPLEX - Direct Station to Station -no repeater. (SEE DUPLEX)

SQUELCH - Suppresses noise or unwanted Tx/Rx
Tx - Transmit / to encode your voice into an RF frequency and transmit/broadcast it from your radio.

UHF/70CM - 430.000MHz-440.000MHz

VHF/2M - 144.000MHz-146.000MHz

VFO MODE - Variable Frequency Oscillator uses the frequency and settings as manually configured by the operator. (SEE CHANNEL MODE)