

575P GMRS Operating Instructions

1. Introduction

Thank you for purchasing CB radio. In order to use your radio in the best condition, please read this manual in detail. GMRS575P is a small and easy to operate car radio transmitter with good performance. The simple operating functions on the panel make it easy for customers to get started quickly.

2. Unpacking and device inspection

Please take the walkie-talkie carefully from the box. We recommend that you check that the following items are present in the box before discarding the packaging material.

Random Accessory List

Item	Unit	Quantity
Radio	pc	1
Fixed base	pc	1
Microphone	pc	1
Microphone base	pc	1
User Manual	pc	1
DC lead	pc	1
Screw bag	pack	1
Complementary nameplate model labels	pc	1

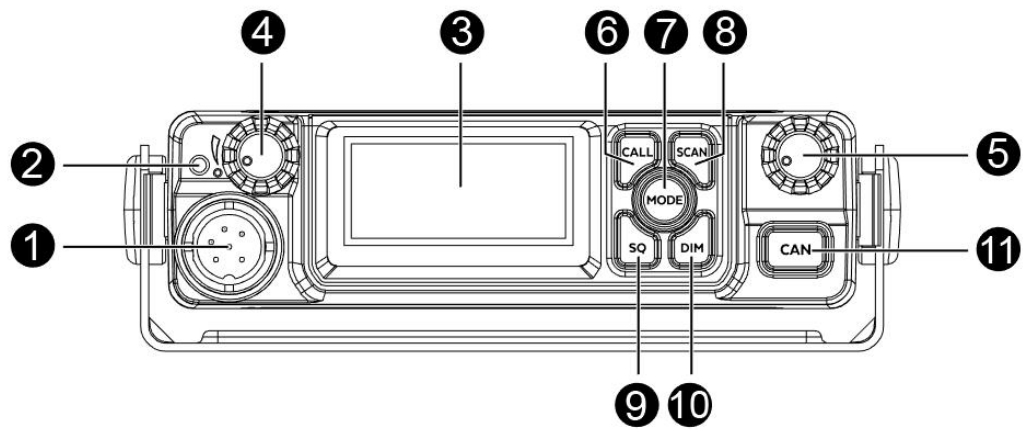
If any items are lost or damaged during handling, please submit a claim to the delivery person immediately.

The machine has the following main features:

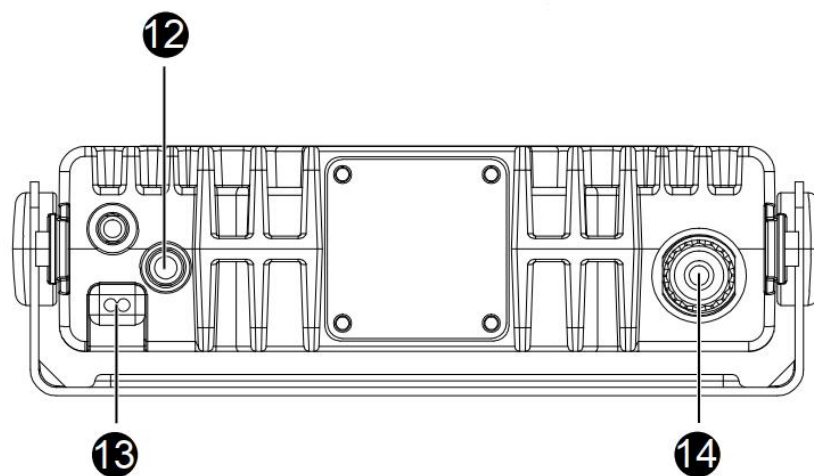
- Wide Band receiver 400-480MHZ (Transmitter GMRS frequency)
- Large screen display, the display content is rich, easy to understand
- Maximum programmable 199 channels
- Three power levels available: HI M LO
- Continuous tone coded squelch system (CTCSS 50) or digital code squelch (DCS104) Reject excess calls from other stations.
- Wide and narrow band are optional
- Frequency step (5.0k/6.25k/12.5k/25k)
- Repeater function
- Call tone optional
- Busy channel lockout function

2.Structure and Function Schematic

2.1 Front view of mainframe



2.2 Rear View of Mainframe



No.	Name
1	microphone interface
2	Transmit/Receive Indicator
3	LCD Panel
4	Power/Volume knob
5	Channel and parameter adjustment knobs
6	Call Function Keys
7	Mode Function Keys
8	Scanning Function Keys

9	Squelch level function keys
10	Brightness Adjustment Function keys
11	Function Cancel keys
12	External Speaker Interface
13	power connection cable
14	Antenna connector

2.3 Microphone Schematic



Under normal circumstances, press any key, there will be a confirmation tone. When the machine is able to execute the command of the key, there will be a "B" response; When the machine fails to execute a key command, it responds with a "DU" response; The function of the "Cancel" key is to return to the initial state from the various states.

3.Operation description

3.1 Power on

Connect the machine to the boat's power supply, after checking that there is no error, long press the power/volume knob, at this time to enter the main interface, indicating that it has been successfully powered on. Subsequently, if the power is abnormally disconnected, the power can be turned on automatically again.

3.2 Switching channel

- 1> Rotary encoder for channel switching
- 2> Channel plus/minus via hand-mic plus/minus keys
- 3> Setting the channel by using the hand-mic numeric keys

3.3 Frequency mode and GMRS channel mode switching

Press the "Mode" button on the panel to switch between GMRS channel mode and VFO mode. Press the "ENR" key on the hand-mic to switch between GMRS channel mode and VFO mode.

3.4 Frequency mode frequency step selection

Press the numeric keys to set the frequency directly, or press the "*" key to enter the frequency step setting menu (5k, 6.25k, 12.5k, 25k steps).

3.5 Memory frequencies

In the frequency mode in the frequency state you want to memorize, press the memory key display prompts "press MX to

memorize the frequency", at this time press M1/M2/M3 to record the current frequency, a short press on M1/M2/M3 can be quickly switched to the recording frequency.

3.6 Scanning

Channel scanning by scan : If the Scan Mode is Full Scan, all channels are scanned (at a step frequency); If the scan mode is master channel scan, the master channel is scanned.

3.7 Squelch Setting

Short press the "Squelch" key to set the squelch level, press the plus/minus key to adjust the level. Quick adjustments can also be made with the 0-9 numeric keys. When the setting is complete, you can press the "Cancel" button or press the "Squelch" button again to exit the setting.

3.8 Backlight Brightness Setting

Short press the "Brightness" button to set the backlight brightness level. Press the plus/minus key to adjust the level, or you can make quick adjustments with the 0-9 number keys. When the setting is complete, you can press the "Cancel" button or press the "Squelch" button again to exit the setting.

3.9 Call function

Call Press the Select Call key to make a Call. 1-5 different Call tones can be selected.

3.10 Menu Options

In standby mode, short press the encoder to enter the menu

1.1> Transmit power (low/medium/high)

1.2> Dual frequency standby

1.3> Repeater switch (15-22 channels)

1.4> Bandwidth (wideband/narrowband)

1.5> Subsonic (OFF/CTC/CDC)

1.6> BCLO (On/Off)

1.7> Key tone (on/off)

1.8> Call tone selection (0-5)

1.9> TOT 0-300S

3.11 Extended Channel Frequency Editor

If you need to add an extended channel, you need to switch to the VFO mode to store the frequency point function. The maximum number of extended channels is 199.

If the current frequency is extended frequency, press the hand-mic memory key to set the channel (Channels 1-30 are not editable for the main channel, only 031-199 can be set, beyond the range can not be entered).

If the current channel is an extended channel, press the microphone # key to select Delete.

3.12 Channel name editing (length 8):

Press MEMORY key to set the channel name, turn the knob (or hand-mic plus or minus) to modify the character, press ENCODER or MODE to switch to the next character, and press PTT to end the edit.

3.13 Dual frequency standby

Under any channel, press the hand-mic * key to set the dual-frequency standby channel, Press and hold the SCAN button to enter the dual-frequency standby screen. The main channel can be switched between each other through the hand-mic # key.

Channel Frequency Tables

Channel Number	GMRS Frequency MHz	Fixed Privacy	Band Width	TX Power
1	462.5625		Narrow or Wide	Low
2	462.5875		Narrow or Wide	Low
3	462.6125		Narrow or Wide	Low
4	462.6375		Narrow or Wide	Low
5	462.6625		Narrow or Wide	Low
6	462.6875		Narrow or Wide	Low
7	462.7125		Narrow or Wide	Low
8	467.5625		Narrow	RX
9	467.5875		Narrow	RX
10	467.6125		Narrow	RX
11	467.6375		Narrow	RX
12	467.6625		Narrow	RX
13	467.6875		Narrow	RX
14	467.7125		Narrow	RX
15	462.5500		Narrow or Wide	High/Low
16	462.5750		Narrow or Wide	High/Low
17	462.6000		Narrow or Wide	High/Low
18	462.6250		Narrow or Wide	High/Low
19	462.6500		Narrow or Wide	High/Low
20	462.6750		Narrow or Wide	High/Low
21	462.7000		Narrow or Wide	High/Low
22	462.7250		Narrow or Wide	High/Low
23	462.5625		Narrow or Wide	High/Low
24	462.6125		Narrow or Wide	High/Low
25	462.6625		Narrow or Wide	High/Low
26	462.7125		Narrow or Wide	High/Low
27	462.55		Narrow or Wide	High/Low
28	462.600		Narrow or Wide	High/Low
29	462.650		Narrow or Wide	High/Low
30	462.700		Narrow or Wide	High/Low

CTCSS Table

1	67.0	18	118.8	35	183.5
2	69.3	19	123.0	36	186.2
3	71.9	20	127.3	37	189.9
4	74.4	21	131.8	38	192.8
5	77.0	22	136.5	39	196.6
6	79.7	23	141.3	40	199.5
7	82.5	24	146.2	41	203.5
8	85.4	25	151.4	42	206.5
9	88.5	26	156.7	43	210.7
10	91.5	27	159.8	44	218.1
11	94.8	28	162.2	45	225.7
12	97.4	29	165.5	46	229.1
13	100.0	30	167.9	47	233.6
14	103.5	31	171.3	48	241.8
15	107.2	32	173.8	49	250.3
16	110.9	33	177.3	50	254.1
17	114.8	34	179.9		

DCS Table

No	code	No	code	No	code	No	code	No	code	No	code
1	023	21	125	41	245	61	356	81	506	101	732
2	025	22	131	42	246	62	364	82	516	102	734
3	026	23	132	43	251	63	365	83	523	103	743
4	031	24	134	44	252	64	371	84	526	104	754
5	032	25	143	45	255	65	411	85	532		
6	036	26	145	46	261	66	412	86	546		
7	043	27	152	47	263	67	413	87	565		
8	047	28	155	48	265	68	423	88	606		
9	051	29	156	49	266	69	431	89	612		
10	053	30	162	50	271	70	432	90	624		
11	054	31	165	51	274	71	445	91	627		
12	065	32	172	52	306	72	446	92	631		
13	071	33	174	53	311	73	452	93	632		
14	072	34	205	54	315	74	454	94	654		
15	073	35	212	55	325	75	455	95	662		

16	074	36	223	56	331	76	462	96	664		
17	114	37	225	57	332	77	464	97	703		
18	115	38	226	58	343	78	465	98	712		
19	116	39	243	59	346	79	466	99	723		
20	122	40	244	60	351	80	503	100	731		

5.Main parameters

Frequency range : Receiver 400.000-480.000MHZ Transmitter:GMRS frequency Channel spacing: 5KHz、6.25KHz、12.5KHz、25KHz Supply Voltage: 13.8V±15%			
Transmitter		Receiver	
output power	HI≥50W M≈20W LO≈5W	Reference sensitivity	400-420≤0.30uV 420-470≤0.25uV
Carrier frequency tolerance	≤2.5PPM	Threshold squelch on sensitivity(ASQ2)	≤0.20uV
Modulation limiting	≤5Khz	Audio Harmonic Distortion	≤7%
Dissipation current	≤10A	Modulated Receive Bandwidth	≥2*5khz

Warning Statements:

This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment shall be installed and operated with minimum distance 114 cm between the radiator & body.

WARNING:
MODIFICATION OF THIS DEVICE TO RECEIVE CELLULAR RADIOTELEPHONE SERVICE SIGNALS IS PROHIBITED UNDER FCC RULES AND FEDERAL LAW.

Licensing Information:

Use our radio in USA is subject to the rules & regulations of FCC. Changes or modifications not expressly approved by our may void the user authority granted by the FCC to operate this radio and should not be made. To comply with FCC requirements, transmitter adjustments should be made only by or under the supervision of a person certified as technically qualified to perform transmitter maintenance and repairs in the private land mobile and fixed services as certified by an organization representative of the user of those services. Replacement of any transmitter component (crystal, semiconductor, etc) not authorized by the FCC equipment authorization for this radio could violate FCC rules.

Note: Use of this radio outside the country where it was intended to be distributed is subject to government regulations and may be prohibited.

Important: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this device. Your radio is set up to transmit a regulated signal on an assigned frequency. It is against the law to alter or adjust the settings inside the radio to exceed those limitations. Any adjustments to your radio must be made by qualified technicians.