

HamGeek 6699-CB

Instruction manual

USER'S MANU

Operation instructions for YMAO_CB machine

Safety precautions



Do not use the device in thunderstorm weather.



Do not wet the equipment.



Do not operate the equipment in violation of regulations.



Pay attention to the high voltage of the antenna port.

Important note

Please read this manual carefully before operating the CB machine, and please keep this manual properly, do not operate the CB machine illegally!

Features:

General frequency

Receive: 1-30MHz;

Transmit: Standard 25-29.999MHz;

Expand: 21.000-21.500MHz/24.890-24.990MHz

(No guarantee of indicators and safety)

General mode FM/AM/CW/SSB(USB/LSB);

Channel status CH/VFO can be switched to each other;

range A/B/C/D/E/F/G/H/I/J/K/L/M/N/O;

Channel Each contains 40 channels;

Step range VFO(mode) 10Hz-100Hz-1KHz-10KHz-100Hz-1MHz-10MHz;

Antenna impedance 50 ohms unbalanced (M plug);

Working voltage 11.5-14.V/DC;

Working current Shutdown standby current 50mA;

Startup receive standby current 500mA

(Main machine key on 600mA)(Hand microphone key light on 800mA);

Transmission current 7A MAX;

Transmission power Power is divided three levels

SSB-L \approx 2-5W M \approx 8-12W H \approx 15-25W;

CW-L \approx 1-2W M \approx 2-4W H \approx 4-8W;

AM-L \approx 2-5W M \approx 5-10W H \approx 10-15W;

FM-L \approx 1-2W M \approx 2-4W H \approx 4-8W;(mission circuits are limited by the volume of the housing and are in an open loop state, the output power may exceed the range described above, but it is basically not less than the index power!!!)

Transmission Spurious $\geq 40\text{dBc}$ (within normal CB frequency range);
Receiving Mode Superheterodyne;
Receiving Sensitivity SSB-CW $\approx 120\text{dbm}$ /FM $\approx 115\text{dbm}$ /AM $\approx 100\text{dbm}$;
Intermediate Frequency Bandwidth SSBCW-2.7KHz AM/FM-15KHz;
Dynamic Range Not less than 90dB;

Warning:

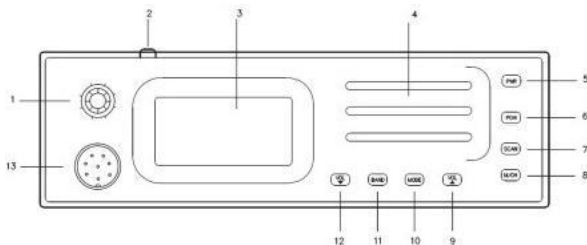
Main unit cannot be tuned with automatic antenna tuner ATU (coupler);
and cannot be used when the antenna SWR exceeds 1.6, 1.8 stops
transmission and LCD displays HSWR alarm indication;

The main unit only recognizes and protects high impedance SWR
($\neq 100\%$), low impedance is not. Therefore, ensure the antenna index
and then transmit;

The main unit cannot be used beyond the power supply voltage; it
cannot be turned on below 11VDC

The host power supply cannot be connected
with the positive and negative poles reversed,
which may damage the host;

Panel/hand microphone definition



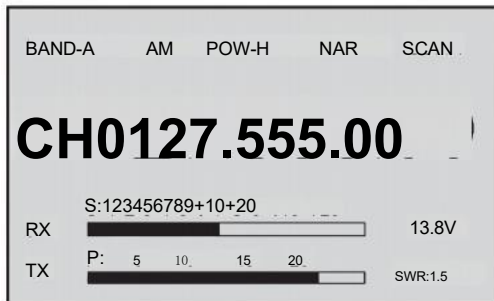


Key:

Number	Key	Function
1	ENC/STEP	Reuse key, parameter selection and parameter determination, step selection and frequency rotation (VFO mode)
2	CW/KEY	CW mode key socket
3	LCD	Related functions display and frequency and all information display
4	LOUDSPEAKER	Receiving voice output and key sound
5	PWR	Power button for startup and shutdown
6	POW	Transmission power selection L/M/H
7	SCAN	40 channels scanned in channel mode (not yet activated)
8	CH/MENU	Quick channel 9/channel 19 recall and built-in parameter setting
9	VOL+	Receive sound plus
10	MODE	Mode selection AM/FM/USB/LSB/CW
11	BAND	Band selection in channel mode

12	VOL-	Receive sound reduction
13	HAND	Handheld microphone
14	PTT	Transfer key
15	SQ/ON	Silent mode on
16	NAR	CW mode audio filter selection
17	MENU	Channel mode and frequency mode encryption and decryption
18	SQ-	Noise reduction (FM mode)
19	SQ+	Noise reduction plus(FM mode)
20	OK	Enter key
21	EXIT	Escape key
22	0-9	Number key

Display information:



BAND-A:

In channel mode,the current band used is defined,and there are 15 bands available in channel mode,from BAND_A to BAND_O each containing 40 channels;

AM:

Define the current mode of operation,FM/AM/CW/USB/LSB, five modes available;

POW-H:

Define the current transmission output power selection,with three states available:L/M/H (L for low power,M for medium power,H for high);

NAR:

Defined in CW mode filter narrowband open;

SCAN:

40 channels scan signals defined in CH channel mode (not yet activated);

CH01:

Defines the first channel in the current band under channel mode,and the following number is the specific frequency value of the current channel;

RX S:

Received signal strength ratio in the receive state;

TX P:

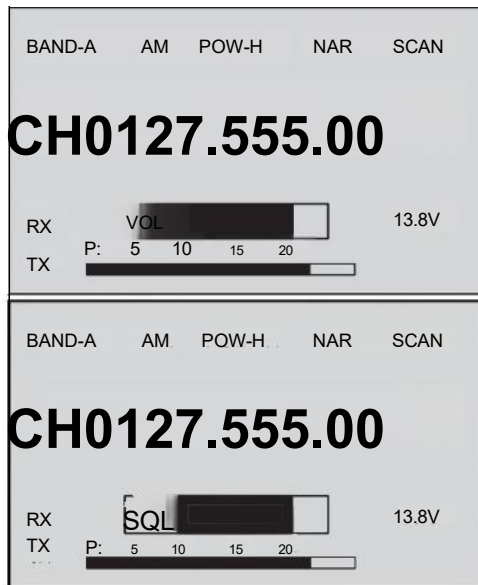
Transmission state of the ratio of transmit power:

13.8V:

The current input DC voltage value of 10-15V is displayed, and the voltage may not be given the possibility of starting up if it is lower 11V;

SWR:

In the transmitting state, the current antenna measures the standing wave ratio parameter (only high impedance is tested, low impedance is not tested), and the antenna standing wave is equal to 1.8 alarm, and may stop transmission;



VOL:

Receive volume adjustment;

SQL:

Adjusting the noise reduction depth in FM mode;

Host use:

(Receiving frequency 1-30.000MHz)(For gift transmission frequency within the amateur frequency range of 21/24MHz CB machine can continuously transmit within the conventional 25-30.000MHz,PTT/KEY is disabled when entering a non-transmission frequency in the mode)

PWR:

Hold for 1 second to power on,hold for 3 seconds to power off;

ENC/OK、STEP:

- 1.In the CH channel state,press the BAND band key and rotate the knob to select the band to be used,then press the knob to confirm press the MODE mode key and rotate to select the current mode to be used and press the knob to confirm;
- 2.In the VFO frequency mode,step by step and frequency tuning, and MODE/POW mode selection confirmation;
- 3.In the MENU menu,function selection and confirmation;

BAND:

Select the current band used under the CH channel;
(currently all released);

MODE:

Current usage mode;

CW/KEY:

Insert the key to make CW communication under CW mode;

CH/MENU:

(1 second to switch CH9/19 cycle,3 seconds to enter menu settings)

- 1.In the US standard,switch CH9 and CH9 channels at the first time;
- 2.Built-in parameter selection settings;

MENU menu parameter meaning:

- 1.LCD BRIG:Screen backlight with 3 brightness levels,select with ENC encoder,press knob to select the next step setting;
 - 2.CW DELAY:Transmit/receive delay in CW mode,select with ENC encoder;
 - 3.CALL:Display the call sign when powered on,can set up to 8 digits, panel VOLI-key to select the position,ENC encoder to rotate to select the current position letter and number combination,and each position select a blank(6-digit call sign);
 - 4.BACK COLOR:Screen background colorselect with ENC encoder;
 - 5.KEY TONE:Key tone select with ENC encoder;
 - 6.CW TONE:Side tone in CW mode,select with ENC encoder;
- Exit MENU after 1 second of key;

Hand microphone use:

0-9:

In the VFO frequency mode(CH mode disabled),you can directly enter the frequency you need and then press OK to confirm (if enter the wrong number,you need to exit to the initial frequency and then output it again);

MENU:

Cooperate with password unlock channel mode and frequency mode (147258 menu decryption/encryption frequency mode) and 15 bands decoding band A-O and return (currently all bands are released);

NAR:

In CW mode, type in filter on and off, the screen displays accordingly;

SQ:

Enter the noise reduction depth selection in FM mode, and the screen displays accordingly.

PTT:

Press to enter into transmit state;

SQ/OFF:

Press to clear the current FM mode squelch depth;

Start using your CB radio:

1. In CH channel mode, select the corresponding BAND according to the current legal regulations of your use location, install the appropriate antenna, adjust the antenna and ensure that the SWR does not exceed 1.8 within the frequency of use; select the appropriate power supply of 11.5-14.5V//10A and connect it, turn on the power supply to enter the main interface, listen or call according to the current channel and mode of use (such as 2.555.00/USB), and the rotary knob can select different channels within 40;

2. In VFO mode, you can enter any frequency within the range of this CB radio by hand microphone key, OK, of course, select the mode MODE, you can also select the frequency by rotating the knob, the key on the knob cycles to select the step; entering an illegal transmission frequency can listen but cannot, otherwise automatic alarm (if the local does not open the frequency within the machine CHNFO for transmission or your level does not allow transmission on the current frequency. The legal issues from the transmission shall be borne by you).

3. Note: The host and hand microphone background lights are turned on after any key is pressed and turned off after 5 seconds.

General problem troubleshooting:

The troubleshooting points for several faults of the equipment are listed in the table, if they still cannot be resolved, please contact us, do not open the top cover repair by yourself, so as not to expand the scope of damage (opening the top cover to tear off the warranty sticker may invalidate the warranty).

fault phenomenon	Possible reasons	Diagnosis and treatment;
Not power on	Missing power cord	Connect the power cord
Not power on	Not powered on	Power on
Not power on	The power cord may be reversed.	Is it extended line insurance burnout (otherwise return to the factory)
Not power on	Is the power voltage sufficient?	Select the correct range of voltage values
No reception	Missing antenna;	Connect the appropriate antenna;
No reception	Antenna fault	Please check if the antenna is faulty
No reception	Is there ionospheric propagation at present	Waiting for the right propagation characteristics

No reception	Is there local noise	None,return to the factory
No transmission	Is the wrong mode set?	Please set the correct mode.
No transmission	Is there a HSWR alarm?	High SWR antenna;please install the appropriate antenna.
No transmission	Other	return to the factory
No display	Flower screen	return to the factory
Equipment smoking	Voltage error or antenna error	return to the factory
Hand microphone anomaly	Is it a bad contact of the socket?	Reconnect
Hand microphone anomaly	Cannot enter frequency	CH mode cannot be keyed in frequency
Hand microphone anomaly	Typed the wrong number	Exit to the start frequency to re-enter
Hand microphone anomaly	Other	return to the factory

After-sales terms:

V1.320241015

保修卡

WARRANTY CARD

机型: _____	购买日期: _____
Models	Date of purchase
序列号: _____	邮编: _____
Serial number	Postcode
销售商: _____	联系电话: _____
Vendors	Contact number
用户名: _____	联系电话: _____
Username	Contact number
地址: _____	
Address	

保修说明:

1. 本保修卡由顾客保存作为为保修凭证, 遗失不补。
2. 本卡必须由销售点盖章及填写日期方能生效。
3. 本卡不得涂改、请确认保修卡序列号与购买机器号码相符, 否则无效。
4. 保修期限为壹年, 充电器、电池、天线属消耗品, 属非保修范围。
5. 用户可选择下列途经获得维修服务:
 - a. 在原购处办理。
 - b. 我司在当地特约维修点。
 - c. 邮寄或亲临本公司。

Warranty instructions:

- 1.This warranty card is kept by the customer as a warranty certificate.
- 2.This card must be stamped and dated by the point of sale.
- 3.This card can not be altered,please confirm the warranty card serial number and the purchase of machines,the number think symbol, otherwise invalid.
- 4.The warranty period is one year,chargers,batteries,antennas are consumables,non-warranty scope.
- 5.users may obtain maintenance services through the following means:
 - a.Processing at the original purchasing office.
 - b.Our company is in the local special service point.
 - C.By post or in perso

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