4.CTCSS/CDCSS

CTCSS/CDCSS signaling is mainly used to avoid receiving irrelated signals on the same channel.

If CTCSS/CDCSS signaling is set, it can only receive the calls of those who share the same channel and have the same CTCSS/CDCSS

signaling, but if CTCSS/CDCSS signaling is not set, you will receive all the calls on the channel.

Press " F " key, group number flashing display;

PTT switch button select group number is determined.

Note:

1.Even if to different spectrum radio emission, can't hear voice but can displays the receiving state.

At this point, even if press PTT , transceiver prompted warnings and transmitting banned.

Please transmit when it not show signal receipt.

2.All of the channel can be used together after set the "Group" number.

5.VOX function

With this feature, transmitting opeartion is launched by the voice you said without having to press the " PTT " botton.

It become to receive state automatically after you talk.

Press " F " key first, enter the function menu, and then press the " △ " key and " ▽ " key to select VOX function.

And then press " F " key into this function can be set up, and then press " △ " and " ▽ " key to select 1-5 sensitivity, press " C " key to confirm.

Select 5 grade, transceiver receive a small voice is involved. When do not use this function, please choose OF.

Note:

1.In the receving, when it prompt confirmation TONE, CALL TONE, SQL OFF, and all sorts of function setting can't use this function.

2.When the battery is low, it can't use this feature. Please charge in adavance.

3.It's able to talk for 3 minutes.

6.DW function

You can set two channels you need to receive state at the same time, no matter which channel information all can talk.After the call, you can return to the state of "DW".

2 you need to channel can be set to receive state at the same time, no matter which channel information can be fired. After the completion of the finished, can be restored to the DW.

Press " F " key, enter the function menu, and then press " △ " key and " ▽ " key selected DW function, and then press " F " key into the function set.

Then press " △ " key and " ▽ " key, choose hope to accept the channel at the same time.(1-14 channel)

Finally press " C " key to confirm.

Note:

1.Press " F " key channel and a second set of channels before can receive at the same time.

2.When using DW function, set the two channel will display.

If you want to remove the DW function, into the function setting, do not choose 1-14 channel, choose "OF" key.

When it in DW function, can not change the channel,.

If you want to change channel, please remove the DW function first.

7.SQL function

In setting the level of SQL(that is, to eliminate the noise level), generally choose 3 grade.

OF state, when receiving ,it often have noise. Please do not set OF state, if you want to eliminate the noise.

Press " F " key, enter the function menu, and then press " △ " key and " ▽ " key selected SQL function, and then press " F " key into function set.

Press " C " key confirm.

Note:

Set the SQL function as "OF",the channel to receive all sound in "GROUP" mode.

8.Secret words function

Can not speak to your parter after setting the secret words.

You do not want to hear others' information, or there are important conversation when using this feature will be very convenient.

Press " F " key, enter the function menu, and then press the " △ " key and " ▽ " key selected secret message function, and then press " F " key into function set.

Press " F " key and " ▽ " key to choose ON/OF

Press " C " key to confirm

Note:

When setting the secret message function, and the other side, please use the same channel, dumb tidings. If all of the channel is not consistent, can not talk.

9.KEY TONE function

Key tone can set to open or close.

Press " F " key, enter the function menu, then press " △ " key or " ▽ " key selected KEY TONE function, and then press " F " key into the function set.

Press " △ " key and " ▽ " key, selecting ON/OF

Press " C " key to confirm.

It shows symbols, means the KEY TONE is open state

10.Roger tone function

After transmitting, loosen PTT key has to be done to transmit prompt. Tell your parter the trammitting is complete.

Press " F " key, enter the function menu, and then press " △ " key or " ▽ " key selected Roger tone function, and then press " F " key into the function set.

Press " △ " key and " ▽ " key to select ON/OF

Press " C " key to confirm.

11.APO function

Within the scope of the set time, it will cut off power supply if you do nothing.

In order to prevent forget to turn off the power and the function of the design.

Press " F " key, enter the function menu; then press " △ " key or " ▽ " key to select APO function, then press " F " key into the function set.

Press " △ " key and " ▽ " key, select 1h-6h/OF

Press " C " key to confirm

Note:After turn off the power supply, power switch of the transceiver is in a state of "ON" when set this function.

When need to open the power supply, need to open the POWER to the state of "OF", and then readjust the state of "ON".

12.Lock key function

This feature is designed to prevent accidentally press the wrong key.

Long press the " F " key 3 seconds, the key symbols will be displayed, the lock key function opens. (shutdown or restart the function effectively.

When this feature is open, press the PTT key and moni key button without function, and rang the prompt tone.

PTT key can be used to call!

Long press the " F " key 3 seconds again, the key symbol will disappear, to remove this function!

13.CALL TONE Function

1.Pressed PTT twice quickly, it will have CALL TONE syllable. you call the other party;

2.Warning each other to be ready to launch on the phone.

3.There are 5 CALLTONE to be choosed.So you can set different CALL TONE sounds against each other .

Set the CALL TONE sound method:

1.Press " F " key to enter function menu, and select CALL TONE by pressing " △ " " ▽ " key function; then press " F " key again to enter into the function set, press " △ " " ▽ " key, the choice OF / 1 ~ 5 kinds OF CALL TONE sound; Press " C " key to confirm.

Noted: after set CTCSS/CDCSS function, if don't set the same group, it won't CALL bell ring TONE.

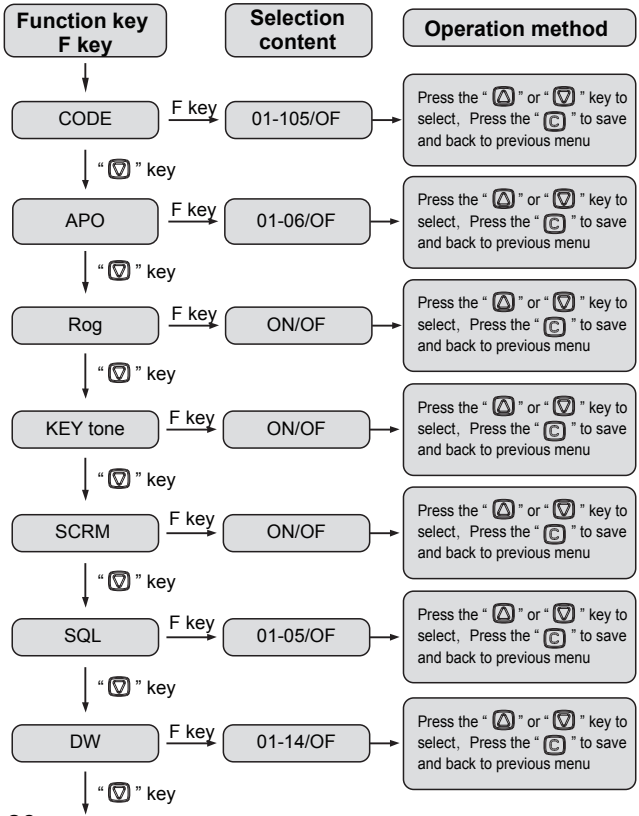
14.The rest capacity of batterry display function

1.When full, it have sections 3 batteries symbol which will be reduced as using.

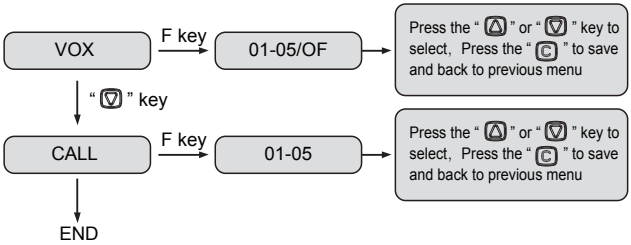
2.Please pay attetion to using and recharging in advance.

3.Without electricity, it will show LOBR, at the same time you will be prompted warnings.After several times will be cut off power supply.

Set Mode


Function key F key
Selection content
Operation method
CODE
F key
01-105/OF
Press the " △ " or " ▽ " key to select, Press the " C " to save and back to previous menu
" ▽ " key
APO
F key
01-06/OF
Press the " △ " or " ▽ " key to select, Press the " C " to save and back to previous menu
" ▽ " key
Rog
F key
ON/OF
Press the " △ " or " ▽ " key to select, Press the " C " to save and back to previous menu
" ▽ " key
KEY tone
F key
ON/OF
Press the " △ " or " ▽ " key to select, Press the " C " to save and back to previous menu
" ▽ " key
SCRM
F key
ON/OF
Press the " △ " or " ▽ " key to select, Press the " C " to save and back to previous menu
" ▽ " key
SQL
F key
01-05/OF
Press the " △ " or " ▽ " key to select, Press the " C " to save and back to previous menu
" ▽ " key
DW
F key
01-14/OF
Press the " △ " or " ▽ " key to select, Press the " C " to save and back to previous menu
" ▽ " key

Set Mode


VOX
F key
01-05/OF
Press the " △ " or " ▽ " key to select, Press the " C " to save and back to previous menu
" ▽ " key
CALL
F key
01-05
Press the " △ " or " ▽ " key to select, Press the " C " to save and back to previous menu
END

Maintenance and Reference

Trouble Shooting

1.Issues: Solutions.

2.No power: Batteries has ran out, pls recharge! If the charge without electricity, possibly is the service life of batteries.Please replace the battery!(generally rechargeable times: about 300 ~ 500 times)

3.No receiving: You hold PTT, please loosen it.

4.No voice: the volume is too low, pls adjust higher! Group number are inconsistent, please change same.

5.No talking: channel and group number are different, please adjust to the same! And the other person's distance
is too far,please using it within the scope!

6.No launching: Please change the channel when recieving, launched at the end of the receiving state.

7.Can't hear the sound: There is a secret words function for launching party or receiver, please set to the same state.

8. Receiving display,but no sound: Although same channel, you get different group number, pls try to use other channels.

9.Too big volume to have BU- sound: No power, pls recharge!

10.LCD display disppeared: No power, pls recharge!

11. Display screen is very dark when the power is on in winter: the nature of the liquid crystal display, the picture will be changed accorrding to the temperature.

12.No function of buttons: lock button is enabled, please disable!Internal CPU exception, please reset!(press the F key and turn on the power at the same time, the factory defalut)

Maintenance and Reference

1.Please do not carry directly antenna external microphone and headset.

2.With a lint-free rag wiping the dust and stain of interphone trying to prevent poor contact.

3.Please take out the batteries when you don't use it.

4.Please use neutral detergent to clean it when the buttons and shell of interphone is dirty after long times to use.

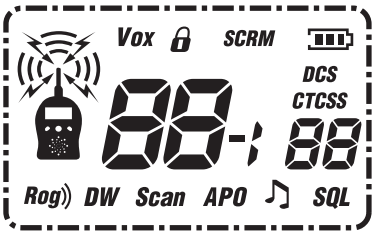
Maintenance and Reference

Resetting

When you reset the unit, all settings are returned to the initial factory settings.

① Turn on the unit with the F keys and PTT switch pressed together.

② All the icons appear on the display.



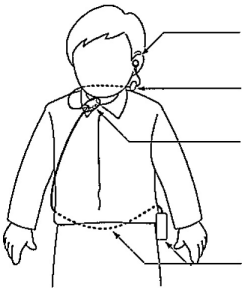
③ Release the volume key, press the F key, the display will appear.
Release the F key, the display will disappear.

Maintenance and Reference

Optional accessories

- EBP-90 Li-ion Battery Pack (DC 3.7V 1000mAh)
- EBC-40 Belt Clip
- EDC-200 AC Adaptor
- EDC-201 AC Adaptor
- EME-24 Earphone Microphone
- EME-61 Earphone Microphone with VOX
- EMS-60 Speaker microphone

Recommened installation of earphone microphone



Specifications and parameters:

Device number	DJ-FX45
Frequency range	462.5625-462.7125MHz 7groups
	467.5625-467.7125MHz 7groups
RF power output	0.5W(ERP)
CTCSS/CDCSS	50CTCSS/105CDCSSS
Frequency stability	±2.5ppm
Rx Sensitivity	-9dBu EMF
Power supply	3.7V
Operating Temperature	-20℃～+40℃
Battery type	1000mAh(Li-ion)
Dimensions	50W x 157H x 19D mm(with antenna)
Weight	90g

CTCSS

50 Group of CTCSS Frequency(Hz)

67.0	85.4	107.2	136.5	165.5	186.2	210.7	254.1
69.3	88.5	110.9	141.3	167.9	189.9	218.1	
71.9	91.5	114.8	146.2	171.3	192.8	225.7	
74.4	94.8	118.8	151.4	173.8	196.6	229.1	
77.0	97.4	123.0	156.7	177.3	199.5	233.6	
79.7	100.0	127.3	159.8	179.9	203.5	241.8	
82.5	103.5	131.8	162.2	183.5	206.5	250.3	

105 Group of DCS Codes

023	065	132	205	255	331	413	465	612	723
025	071	134	212	261	332	423	466	624	731
026	072	143	223	263	343	431	503	627	732
031	073	145	225	265	346	432	506	631	734
032	074	152	226	266	351	445	516	632	743
036	114	155	243	271	356	446	523	645	754
043	115	156	244	274	364	452	526	654	
047	116	162	245	306	365	454	532	662	
051	122	165	246	311	371	455	546	664	
053	125	172	251	315	411	462	565	703	
054	131	174	252	325	412	464	606	712	

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