

Thank you for purchasing our hand held GMS/Analog transceiver, This model is novel design, stable performance, easy to operate and with a variety of sophisticated functions, so we are using the most advanced technology. we deeply confident that its quality and functionality would make you feel satisfied!

❑ INSTRUCTIONS BEFORE USE

- Do not use a transceiver with damaged antenna, because it might cause slight burns once skin contact carelessly.
- Do not use transceiver or battery charging, when they are under explosive environment (such as gas, dust and smoke etc.).
- When parking at gas station, or being refueling, please turn off the transceiver.
- There are not any reason to modify or adjust the transceiver.
- Do not keep your transceiver by prolonged direct sunlight, as well can not place it near heater machine .
- Do not place the transceiver on where are filled with most dust, damp and water splashing, as well as do not put it on the not unstable surface.
- Repair work only do by the professional technician.
- If it appears that the transceiver diffuses peculiar smell or smoke, please turn off it immediately, and take down battery pack from radio body, then contact with supplier .

Safety:

It is very important for the user to know and recognize the general danger of using the radio.

❑ MAIN FEATURES

- Dual mode GSM/analog
- Dual display, single standby
- Group/members/friends selection
- Output power 3W
- Dual mode switch
- English Chinese voice prompt
- GPS function (Optional)
- SOS function (Optional)

CONTENT

PREPARATION 1

ACCESSORIES.....	1
CHARGING INSTRUCTION.....	1
CHARGE STEPS.....	2
INSTALL/REMOVE BATTERY PACK.....	3
INSTALL ANTENNA.....	3
INSTALL BELT CLIP.....	4
INSTALL EXTERNAL MIC/EARPHONE.....	4

GETTING STARTED 5

DESCRIPTION OF TRANSCEIVER.....	5
LCD DISPLAY.....	7

BASIC OPERATION 8

SHORTCUT OPERATION.....	8
-------------------------	---

MENU SHORTCUT SETTING 9

FUNCTION OPERATION AND INSTRUCTION (Analog mode)..... 10

FREQUENCY STEP SETTING (STEP).....	10
SQUELCH LEVEL SETTING (SQL) :	10
BATTERY SAVING MODE (SAVE)	11
TX POWER SETTING.....	11
ROGER SETTING	12
TOT SETTING	12
VOX FUNCTION SETTING (VOX)	12
WIDE NARROW BAND SETTING (W/N)	13
VOICE PROMPT SETTING (VOICE)	13
SCAN SETTING (SCAN)	13
SCAN ADD AND DELETE SETTING (SCAN SWI)	14
DIRECTION OF OFFSET FREQUENCY SETTING (SHIFT-D)	14

OFFSET FREQUENCY SETTING (OFFSET)	15
RECEIVE CTCSS AND DCS (DEC-CTDCS)	15
TRANSMIT CTCSS AND DCS (ENC-CTDCS)	16
REVERSE FREQUENCY SETTING (REV)	16
KEYPAD LOCK (LOC.KEY)	16
BEEP PROMPT (BEEP)	17
BACKGROUND LIGHT SET (LIGHT SET)	17
REPEATER (TRANSFER)	18
CHANEL SAVE (CH SAVE)	18
CHANNEL DELETE (CH DELETE)	18
RESET SETTING (RESET)	18
LANGUAGE	20

APPENDIX 21

CTCSS CHART	21
DCS CHART	21

PREPARATION

► ACCESSORIES

Carefully take out the transceiver from the box. We recommend that confirm the below goods before get rid of the packing.

□ Supplied Radio & Accessories

Item	Qty.
Radio	1
Antenna	1
Li-ion Battery pack 3.7V	1
USB Adapter	1
USB Cable	1
Belt Clip	1
User Manual	1
Hang Strap	1

► CHARGING INSTRUCTION

The note of Li-ion battery charging below:

- The battery pack had not charging when come out the factory, please charging first when you want to use. After the purchase or long-term storage (more than two months), the first to charging the battery pack can not make the battery pack up to its saturation use of capacity. In repeated charging and discharging two, three times, The effect can be achieved the normal charging and battery power.
- Before charging, should turn off the transceiver power. if use the transceiver while it's battery charging, it would badly influence on the battery normally charging.
- The Battery under the normal charging many times, The time of using time is not

adding anymore, it mean that life of battery is close to over, should replace new one;

- As calculated, The average time of battery pack is about 13 hours. The average use time is 5% receive time, 5% transmit time, and 90% standby time.

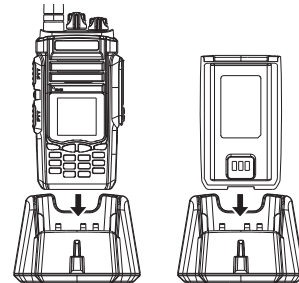
⚠ CAUTION

- Do not charging the battery pack again, when it's already fully charging before. otherwise it would cause the life of battery pack to shorten, even it may be damaged.
- When it's charging fully, please remove it away charger cup.
- Do not short the battery terminal or dispose of the battery by fire.

► CHARGE STEPS

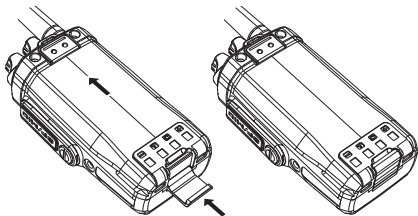
The charger plug into the mains of 220V power outlet,the charger indicator green light flashing.

The battery pack or the transceiver with battery pack connect to USB cable, then USB cable other side connect to adaptor. The battery red light flashing to start charging. Charging fully then the battery green light flashing, charging end.



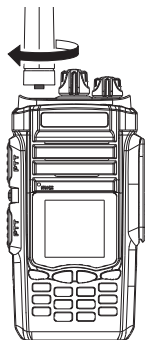
► INSTALL/REMOVE BATTERY PACK

When install the battery pack, should match the corresponding location of aluminum frame of transceiver backside, then push into the battery towards direction. The Buckles on the tail of battery would fasten the battery pack, until can hear “clicking” sound; To remove the battery pack, please turn off the transceiver first. Then press the buckles of the battery, at the same time, the battery will be pushed back, take the battery away;



► INSTALL ANTENNA

Install the antenna into the transceiver connector, holding the antenna base and turning it clockwise until secure;

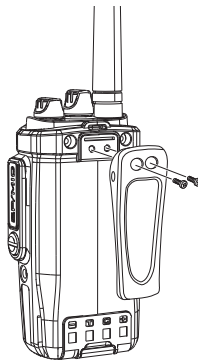


⚠ NOTE

Please do not antenna as a handle. the keys or external type loudspeaker microphone hanging on the antenna, which can damage the antenna and lowered transceiver's performance.

► INSTALL BELT CLIP

Locking belt clip to the backside position of transceiver by two screw.

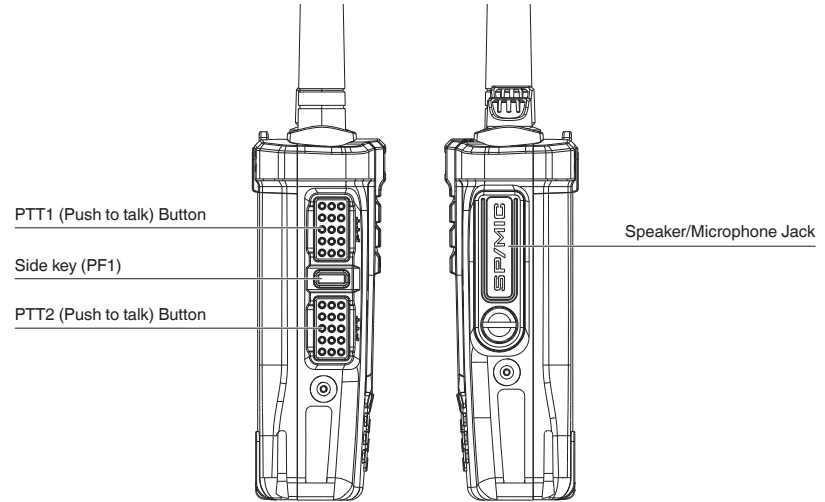
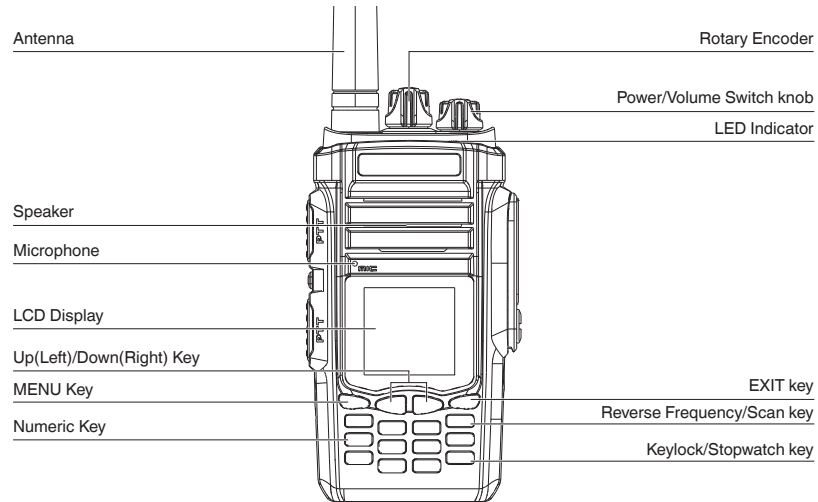


► INSTALL EXTERNAL MIC/EARPHONE

Remove the dust cover, MIC/Earphone connect into radio earphone jack.

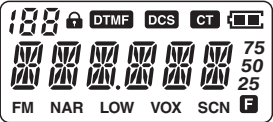



GETTING STARTED

► DESCRIPTION OF TRANSCEIVER



► LCD DISPLAY

There are various indicate marks displaying on the screen. please refer the below table to learn what the indicate marks:

	CT	CTCSS
	DCS	DCS
	VOX	VOX Function
	NAR	Narrow Band Function
		Battery Capacity display
	188	Channel No.
		Frequency working/Menu setting
		Keypad Lock
	75 50 25	Frequency Mantissa indicate
	LOW	Low Power setting,
SCN	Scan Function	

BASIC OPERATION

► SHORTCUT OPERATION

❑ Side key

- Press PTT1 key, TX in GSM mode, release to receive;
- SK1 switch between in GSM and analog mode;
- Press PTT1 key, TX in analog mode, release to receive.

❑ GSM mode

- Press **[MENU]** Key, enter GSM menu mode, Group/members/friends selection;
- Rotate 360 switch, enter group selection;
- Press **[UP]** key, enter members selection;
- Press **[Down]** key, friends selection;

❑ Power Switch/Volume Control

- Turn it clockwise to switch on transceiver; Turn it counterclockwise until a “clicking” sound, that switch off transceiver;
- Turn clockwise would turn up the volume level, turn counterclockwise turn down the volume level;

❑ LED Indicator

- Red light flashing when transmitting;
- Light light flashing when receiving;

❑ Speaker/Microphone Jack Connector

- Used for Earpieces Insert;
- Used for programming cable connection, can programming the frequency via PC software and Software updating;

MENU SHORTCUT SETTING

1. Press the **[MENU]**: go ahead main Menu Function Operation;
2. Press the **[MENU]**: go ahead Sub menu Function Operation;
3. Press the **[UP]** or **[DOWN]**: adjust every menu functions settings;
4. Press the **[MENU]** to confirm; Press **[EXIT]** to exit;

NOTE

Under the mode of MR (Frequency Mode), The menu setting is not effect including: CTCSS/DCS Setting; Wide/Narrow Band Setting, PTT-ID Setting;

FUNCTION OPERATION AND INSTRUCTION (Analog mode)

This function setting radio analog and GSM working mode.

1. Press the **[UP]** or **[DOWN]**, Choose Menu 00, LCD Display below:
2. Then press **[MENU]** again to operating, Here are off, only public, public +A&B band, public +A or B band, A&B band or A or B band for you selection, Press **[UP]** or **[DOWN]** again to choose.
3. Finally press **[MENU]** again to confirm, press **[EXIT]** to Exit, complete setting and back to standby mode;

► FREQUENCY STEP SETTING (STEP)

It can choose the steps frequency you want to setting for your transceiver;

Operation step below:

1. Press the **[MENU]**, Press the **[UP]** or **[DOWN]**, Choose Menu 01, LCD Display below:
2. Then press **[MENU]** again to operating, Press **[UP]** or **[DOWN]** again to choose the steps frequency;
 - Total have 10 type step frequency optional, including 2.5/5.0/6.25/10.0/12.5/15/20/25/30/50/100KHz...;
3. Finally press **[MENU]** again to confirm, then press **[EXIT]** to Exit, complete setting and back to standby mode;

► SQUELCH LEVEL SETTING (SQL) :

It is can turn on or turn off the Squelch, when the transceiver up to certain signal strength;

Operation step below:

1. Under the mode of VFO or MR, Press

the **[MENU]**, Press the **[UP]** or **[DOWN]**,
Choose Menu 02, LCD Display below:

2. Then press **[MENU]** again to operating,
Press **[UP]** or **[DOWN]** again to choose
Squelch Level; have 11 level from “0” to
“10” different level, “0” is the lowest level,
and “10” is the highest level;
3. Finally press **[MENU]** again to confirm,
then press **[EXIT]** to Exit, complete setting
and back to standby mode;

► BATTERY SAVING MODE (SAVE)

This function can choose the level battery
saving of transceiver;

Operation step below:

1. Under the mode of VFO or MR, Press
the **[MENU]**, Press the **[UP]** or **[DOWN]**,
Choose Menu 03, LCD Display below:
2. Then press **[MENU]** again to operat-
ing, Press **[UP]** or **[DOWN]** again to
choose level; There are 11 level from

- 1-1/1-2/...1-10;normal setting 1-4 level.
3. Finally press **[MENU]** again to confirm,
then press **[EXIT]** to Exit, complete setting
and back to standby mode;

► TX POWER SETTING

This function can choose the High /Low
power output of transceiver;

Operation step below:

1. Under the mode of VFO or MR, Press
the **[MENU]**, Press the **[UP]** or **[DOWN]**,
Choose Menu 04, LCD Display below:
2. Then press **[MENU]** again to operating,
Press **[UP]** or **[DOWN]** again to choose
High or Low Power; High Power is 3 Watts,
and Low Power is 1 Watts;
3. Finally press **[MENU]** again to confirm,
then press **[EXIT]** to Exit, complete setting
and back to standby mode;

► ROGER SETTING

Operation step below:

1. Under the mode of VFO or MR, Press
the **[MENU]**, Press the **[UP]** or **[DOWN]**,
Choose Menu 05, LCD Display below:
2. Then press **[MENU]** again to operating,
Press **[UP]** or **[DOWN]** again to choose
ON or OFF;
3. Finally press **[MENU]** again to confirm,
then press **[EXIT]** to Exit, complete setting
and back to standby mode;

► TOT SETTING

Operation step below:

1. Under the mode of VFO or MR, Press
the **[MENU]**, Press the **[UP]** or **[DOWN]**,
Choose Menu 06, LCD Display below:
2. Then press **[MENU]** again to operating,
Press **[UP]** or **[DOWN]** again to select OFF
or 15S/.....270S;
3. Finally press **[MENU]** again to confirm,

then press **[EXIT]** to Exit, complete setting
and back to standby mode;

► VOX FUNCTION SETTING (VOX)

Open this function, when transceiver receive
the signal, the transceiver system can detect-
ed what we speak to microphone, will switch
over transmit mode, do not need manual
operation.it is more convenient for user who
use the microphone; and LCD display will
appear “V”mark;

Operation step below:

1. Under the mode of VFO or MR, Press
the **[MENU]**, Press the **[UP]** or **[DOWN]**,
Choose Menu 07, LCD Display below:
2. Then press **[MENU]** again to operation,
Press **[UP]** or **[DOWN]** again to choose
VOX function ON or OFF;
3. Finally press **[MENU]** again to confirm,
then press **[EXIT]** to Exit, complete setting
and back to standby mode;

► WIDE NARROW BAND SETTING (W/N)

It is setting the working bandwidth of transceiver;

Operation step below:

1. Under the mode of VFO or MR, Press the **[MENU]**, Then Press the **[UP]** or **[DOWN]** to Choose Menu 08, LCD Display below:
2. Then press **[MENU]** again to operating, Press **[UP]** or **[DOWN]** again to choose the Wide or Narrow Band;
 - **Wide Band:** 25Khz
 - **Narrow Band:** 12.5Khz;
3. Finally press **[MENU]** again to confirm, then press **[EXIT]** to Exit, complete setting and back to standby mode;

► VOICE PROMPT SETTING (VOICE)

Open this function, the transceiver have Voice Prompt, it is more convenient for user operation.

Operation step below:

1. Under the mode of VFO or MR, Press the **[MENU]**, Press the **[UP]** or **[DOWN]**, Choose Menu 09, LCD Display below:
2. Then Press **[MENU]** again to operating, then Press **[UP]** or **[DOWN]** to choose the Voice Prompt Mode, Total 3 Mode below:
 - **CHS:** Open Chinese Voice prompt Function;
 - **ENG:** Open English Voice prompt Function;
 - **OFF:** Turn off Voice Prompt Function;

► SCAN SETTING (SCAN)

It start the scan function;

Operation step below:

1. Under the mode of VFO or MR, Press the **[MENU]**, Press the **[UP]** or **[DOWN]**, Choose Menu 10, LCD Display below:
2. Then Press **[MENU]** again to Start Scan;
3. Finally Press **[MENU]** again to confirm,

then Press **[EXIT]** again to Exit, complete setting and back to standby mode

► SCAN ADD AND DELETE SETTING (SCAN SWI)

It is adding or deleting the scan function;

Operation step below:

1. Under the mode of VFO or MR, Press the **[MENU]**, Press the **[UP]** or **[DOWN]**, Choose Menu 11, LCD Display below
2. Then Press **[MENU]** again to operating, Press **[UP]** or **[DOWN]** to choose the scan Adding or Deleting:
 - **ADD:** Scan Adding;
 - **DEL:** Scan Deleting;
3. Finally Press **[MENU]** again to confirm, then Press **[EXIT]** again to Exit, complete setting and back to standby mode.

► DIRECTION OF OFFSET FREQUENCY SETTING (SHIFT-D)

It is one method for different frequency (High/Low) of transmitting and receiving, suit for use with repeater and radio station;

Operation step below:

1. Press the **[MENU]**, Press the **[UP]** or **[DOWN]**, Choose Menu 12, LCD Display below:
2. Then Press **[MENU]** to operating, Press **[UP]** or **[DOWN]** again to choose the Direction of offset frequency Mode; Total Three mode below:
 - **TX frequency>RX frequency:** Positive offset (+)
 - **TX frequency<RX frequency:** Negative offset (-)
 - **OFF:** Turn off
3. Finally press **[MENU]** again to confirm, then press **[EXIT]** to Exit, complete setting and back to standby mode;

► OFFSET FREQUENCY SETTING (OFFSET)

it can setting the offset frequency between receiving and transmitting, Usually used by others radio station, the range of offset frequency is 0-399.95MHz.

Operation step below:

1. Press the **[MENU]**, Press the **[UP]** or **[DOWN]**, Choose Menu 13, LCD Display below:
2. Then Press **[MENU]** to operating, Press **[UP]** or **[DOWN]** again to choose the offset frequency;
3. Finally press **[MENU]** again to confirm, Press **[EXIT]** to Exit, complete setting and back to standby mode;

► RECEIVE CTCSS AND DCS (DEC-CTDCS)

It can setting private limit, and prevent others disturb and others radio matching the signal

code, and the LCD display will appear the “QT” or “DT” mark;

Operation step below:

1. Under the VFO mode, Press the **[MENU]**, Press the **[UP]** or **[DOWN]**, Choose Menu 14, LCD Display below:
2. Then Press **[MENU]** to operating, Press **[*SCAN]** to choose the mode, Total Three mode below:
 - **CT:** 67.0-254.1Hz;
 - **DCS:** D023N-D754N/D023i-D754i; **[#AB]** key realize inverse code from I&N.
 - **OFF**
3. Next press **[UP]** OR **[DOWN]** to choose the level of CTCSS or DCS
4. Finally Press **[MENU]** again to confirm, then Press **[EXIT]** again to Exit, complete setting and back to standby mode;

► TRANSMIT CTCSS AND DCS (ENC-CTDCS)

it can setting private limit, and prevent others disturb and others radio matching the signal code, and the LCD display will appear the “QT” or “DT” mark;

Operation step below:

1. Under the VFO mode, Press the **[MENU]**, Press the **[UP]** or **[DOWN]**, Choose Menu 15, LCD Display below:
2. Then Press **[MENU]** to operating, Press **[*SCAN]** to choose the mode, Total Three mode below:
 - **CT:** 67.0-254.1Hz;
 - **DCS:** D023N-D754N/D023i-D754i; **[#AB]** key realize inverse code from I&N.
 - **OFF**
3. Next press **[UP]** OR **[DOWN]** to choose the level of CTCSS or DCS
4. Finally Press **[MENU]** again to confirm, then Press **[EXIT]** again to Exit, complete

setting and back to standby mode;

► REVERSE FREQUENCY SETTING (REV)

1. Press the **[MENU]**, Then Press the **[UP]** or **[DOWN]**, Choose Menu 16, LCD Display below:
2. Then Press **[MENU]** again, so that can finish switchable of the receive and transmit;
3. Press **[EXIT]** again to Exit, complete setting and back to standby mode;

► KEYPAD LOCK (LOC.KEY)

It is the method of Lock transceiver keypad, if keypad locked, LCD display would appear “” mark;

Operation Step belows:

1. Under VFO or CH mode, Press **[UP]** or **[DOWN]**, Choose Menu 17, LCD Display below:
2. Then **[MENU]** again, press **[UP]** or

[DOWN] choose method of lock keypad, total three method:

- **Manu:** Manual lock keypad;
- **Manu 5S/10S/20S/30S:** setting the time after locked, not save the lock mode;
- **Manus 5S/10S/20S/30S:** setting the time after locked, save the lock mode;

► **BEEP PROMPT (BEEP)**

It is setting function of keys operation sound, when you operation keys would appear “DU” sound.

Operation step below:

1. Under the mode of VFO (Frequency Mode) or MR (Channel Mode), Press the **[MENU]**, Press the **[UP]** or **[DOWN]**, Choose Menu 18, LCD Display below:
2. Then press **[MENU]** again to operating, Press **[UP]** or **[DOWN]** again to choose ON or OFF;
3. Finally press **[MENU]** again to confirm,

press **[EXIT]** to Exit, complete setting and back to standby mode;

► **BACKGROUND LIGHT SET (LIGHT SET)**

Set function of Background light;

Operation step below:

1. Under the mode of VFO or MR, Press the **[MENU]**, Press the **[UP]** or **[DOWN]** to Choose Menu 19, LCD Display below:
2. Then press **[MENU]** again to operating, Press **[UP]** or **[DOWN]** again to choose time of background light; Choose “ON”, “OFF” AND “light go off auto” select; Total three display mode below:
 - **OFF:** background light off,
 - **ON:** background light on;
 - **Auto:** auto 5s/10s/20s...60s.
3. Finally press **[MENU]** again to confirm, then press **[EXIT/MR]** to Exit, complete setting and back to standby mode;

► **REPEATER (TRANSFER)**

It is function for repeater function, analog to GSM mode or GSM to analog mode.

Operation step below:

1. Under the mode of VFO or MR, Press the **[MENU]**, Then Press the **[UP]** or **[DOWN]** to Choose Menu 20, LCD Display below:
2. Then press **[MENU]** again to operating, Press **[UP]** or **[DOWN]** again to choose repeater function ON or OFF;
3. Finally press **[MENU]** again to confirm, then press **[EXIT/MR]** to Exit, complete setting and back to standby mode;

► **CHANEL SAVE (CH SAVE)**

It is the function of Channel number save.

1. Under the mode of VFO or MR, Press the **[MENU]**, Then Press the **[UP]** or **[DOWN]**, Choose Menu 21, LCD Display below:
2. Then Press **[MENU]** again, the LCD display show “Select CH”, Press **[UP]** or

[DOWN] choose which channel number you would like, then press **[MENU]** LCD display show “save CH?”, final press **[MENU]** to confirm;

► **CHANNEL DELETE (CH DELETE)**

It is the function of channel delete.

Operation step below:

1. Under the mode of VFO or MR, Press the **[MENU]**, Then Press the **[UP]** or **[DOWN]**, Choose Menu 22, LCD Display below:
2. Then Press **[MENU]** again, the LCD display show “Select CH”, Press **[UP]** or **[DOWN]** choose which channel number you would like, then press **[MENU]** LCD display show “Delete CH?”, final press **[MENU]** to confirm;

► **RESET SETTING (RESET)**

It can initialize of Menu function and Channels setting, After Initialize can setting the

parameter according the personal demands;

Two Mode:

VFO: Menu Initialize

Full: Menu and Channels Initialize;

☐ VFO—Menu Initialize

- Under the mode of VFO or MR, Press the **[MENU]**, Press the **[UP]** or **[DOWN]**, Choose Menu 23, LCD Display below:
- Press **[MENU]** again. Press **[UP]** or **[DOWN]** to choose VFO, Then Press **[MENU]** again, LCD Display “Power off please wait”.
- The Transceiver would re-start Automatic, Then back to the Standby mode.

⚠ NOTE: Operation this function, All Menu function would restore to the factory status;

☐ FULL—Menu And Channels all Initialize

- Under the mode of VFO or MR, Press

the **[MENU]**, Press the **[UP]** or **[DOWN]**, Choose Menu 23, LCD Display below:

- Press **[MENU]** again. Press **[UP]** or **[DOWN]** to choose FULL, Then Press **[MENU]** again, LCD Display “_ _ _ _ _”, default Input password “00000000”;
- After Initialize, would automatic back to the Standby mode;

▶ LANGUAGE

It is function of setting language of display.

Operation step below:

- Under the mode of VFO or MR, Press the **[MENU]**, Then Press the **[UP]** or **[DOWN]** to Choose Menu 24, LCD Display below:
- Then press **[MENU]** again to operating, Press **[UP]** or **[DOWN]** again to choose Chinese or English;
- Finally press **[MENU]** again to confirm, then press **[EXIT/MR]** to Exit, complete setting and back to standby mode;

APPENDIX

▶ CTCSS CHART

01	67.0	11	94.8	21	131.8	31	171.3	41	203.5
02	69.3	12	97.4	22	136.5	32	173.8	42	206.5
03	71.9	13	100.0	23	141.3	33	177.3	43	210.7
04	74.4	14	103.5	24	146.2	34	179.9	44	218.1
05	77.0	15	107.2	25	151.4	35	183.5	45	225.7
06	79.7	16	110.9	26	156.7	36	186.2	46	229.1
07	82.5	17	114.8	27	159.8	37	189.9	47	233.6
08	85.4	18	118.8	28	162.2	38	192.8	48	241.8
09	88.5	19	123.0	29	165.5	39	196.6	49	250.3
10	91.5	20	127.3	30	167.9	40	199.5	50	254.1

► DCS CHART

1	D023N	19	D116N	37	D225N	55	D325N	73	D452N	91	D627N
2	D025N	20	D122N	38	D226N	56	D331N	74	D454N	92	D631N
3	D026N	21	D125N	39	D243N	57	D332N	75	D455N	93	D632N
4	D031N	22	D131N	40	D244N	58	D343N	76	D462N	94	D654N
5	D032N	23	D132N	41	D245N	59	D346N	77	D464N	95	D662N
6	D036N	24	D134N	42	D246N	60	D351N	78	D465N	96	D664N
7	D043N	25	D143N	43	D251N	61	D356N	79	D466N	97	D703N
8	D047N	26	D145N	44	D252N	62	D364N	80	D503N	98	D712N
9	D051N	27	D152N	45	D255N	63	D365N	81	D506N	99	D723N
10	D053N	28	D155N	46	D261N	64	D371N	82	D516N	100	D731N
11	D054N	29	D156N	47	D263N	65	D411N	83	D523N	101	D732N
12	D065N	30	D162N	48	D265N	66	D412N	84	D526N	102	D734N
13	D071N	31	D165N	49	D266N	67	D413N	85	D532N	103	D743N
14	D072N	32	D172N	50	D271N	68	D423N	86	D546N	104	D754N
15	D073N	33	D174N	51	D274N	69	D431N	87	D565N	105	D023I
16	D074N	34	D205N	52	D306N	70	D432N	88	D606N	106	D025I
17	D114N	35	D212N	53	D311N	71	D445N	89	D612N	107	D026I
18	D115N	36	D223N	54	D315N	72	D446N	90	D624N	108	D031I

109	D032I	127	D132I	145	D245I	163	D346I	181	D464I	199	D662I
110	D036I	128	D134I	146	D246I	164	D351I	182	D465I	200	D664I
111	D043I	129	D143I	147	D251I	165	D356I	183	D466I	201	D703I
112	D047I	130	D145I	148	D252I	166	D364I	184	D503I	202	D712I
113	D051I	131	D152I	149	D255I	167	D365I	185	D506I	203	D723I
114	D053I	132	D155I	150	D261I	168	D371I	186	D516I	204	D731I
115	D054I	133	D156I	151	D263I	169	D411I	187	D523I	205	D732I
116	D065I	134	D162I	152	D265I	170	D412I	188	D526I	206	D734I
117	D071I	135	D165I	153	D266I	171	D413I	189	D532I	207	D743I
118	D072I	136	D172I	154	D271I	172	D423I	190	D546I	208	D754I
119	D073I	137	D174I	155	D274I	173	D431I	191	D565I		
120	D074I	138	D205I	156	D306I	174	D432I	192	D606I		
121	D114I	139	D212I	157	D311I	175	D445I	193	D612I		
122	D115I	140	D223I	158	D315I	176	D446I	194	D624I		
123	D116I	141	D225I	159	D325I	177	D452I	195	D627I		
124	D122I	142	D226I	160	D331I	178	D454I	196	D631I		
125	D125I	143	D243I	161	D332I	179	D455I	197	D632I		
126	D131I	144	D244I	162	D343I	180	D462I	198	D654I		

