

DIGITAL
TWO WAY RADIO
Instruction manual

福建省信息化局
(省无线电管理办公室)友情提醒

购买、使用本设备属于设置使用无线电台(站)的行为，必须依法办理设台审批手续，领取无线电台执照。在使用设备过程中，应当按照电台执照核定的项目工作。擅自设置使用无线电台(站)、干扰无线电业务、不按核定项目工作以及其他违反无线电管理法规的行为，由无线电管理机构给予行政处罚。严重的无线电违法行为，还可能触犯《刑法》第288条或《治安管理处罚法》第28条，将被处以三年以下有期徒刑、拘役或者管制，并处或者单处罚金的刑事处罚或者由公安机关处以拘留的行政处罚。

随带配件

物品	单位	数量
主机	部	1
天线	支	1
充电器	套	1
锂电池	块	1
背夹	个	1
使用说明书	本	1

充电须知

充电器插头插入市电（220V）电源时，此时充电器的指示灯亮红灯；电池连接充电器，充电开始，充电器的指示灯亮橙色;充电饱和后，指示灯又跳为红灯。

按键

1.PTT 键（发射按键）

发射时按住此键，并对着麦克风讲话。

2. 可编程功能键：侧键 SK1/ 侧键 SK2

1 初始功能：

侧键 SK1：短按：监听 / 长按：区域切换。

侧键 SK2：短按：手电筒 / 长按：收音机。

2 至少按住按键 1 秒以上 为长按（时间由输频软件设定），否则为短按。

短按此键并放开，打开短按设定的功能，再次短按并放开，功能关闭。

长时间按住此键打开长按设定的功能，再次长按并放开，功能关闭。

按键可通过写频软件安排的功能	
模拟 1750HZ	持续发送 1750Hz 信号，用于启动中继台中转
高低功率选择	允许用户在高功率和低功率之间切换
监听	允许用户打开或关闭监听功能，仅模拟信道有效。 忽略所有接收信令，监听该信道所有活动，可按此键后监听噪声用于调整音量
区域切换	快速切换区域
扫描开关	允许用户打开或关闭扫描功能
声控开关	允许用户为信道打开 / 关闭声控发射功能
中继 / 脱网	允许用户在中继和脱网模式之间切换
单独工作开关	打开或关闭单独工作功能
倒地报警开关	开启或关闭倒地报警功能

常用操作介绍

1. 切换信道

旋转信道开关切换信道。

2. 选择区域

按设定了区域功能的侧键选择区域。最多有 64 区域。

3. 发起呼叫

按下 PTT 发起呼叫，指示灯亮为红灯。

4. 接收

收到有效呼叫，指示灯亮为绿灯。

5. 模拟信道

6. 亚音频频率

包含 51 组 CTCSS

62.5	67.0	69.3	71.9	74.4	77.0	79.7	82.5	85.4	88.5
91.5	94.8	97.4	100.0	103.5	107.2	110.9	114.8	118.8	123.0
127.3	131.8	136.5	141.3	146.2	151.4	156.7	159.8	162.2	165.5
167.9	171.3	173.8	177.3	179.9	183.5	186.2	189.9	192.8	196.6
199.5	203.5	206.5	210.7	218.1	225.7	229.1	233.6	241.8	250.3
254.1									

7.DCS

包含 166 组 DCS (83 个正极性,83 个负极性)

023	025	026	031	032	043	047	051	054	065
071	072	073	074	114	115	116	125	131	132
134	143	152	155	156	162	165	172	174	205
223	226	243	244	245	251	261	263	265	271
306	311	315	331	343	346	351	364	365	371
411	412	413	423	431	432	445	464	465	466
503	506	516	532	546	565	606	612	624	627
631	632	654	662	664	703	712	723	731	732
734	743	754							

8. PTTID

发起：模拟模式下，可以通过输频软件配置 DTMF 上线码和下线码，模拟信道启用上下线码，每次 PTT 按下时发上线码，PTT 放开时发下线码。

9. 扫描

启动扫描：

方式 1：侧键设定扫描开关启动或关闭扫描。

方式 2：输频软件配置当前信道的扫描列表有效。

扫描启动后依次检测扫描列表中的信道，扫描过程中收到呼叫可按 PTT 回复，回复信道由输频软件设置。退出扫描按侧键退出。

选项

上次活动信道	在扫描模式中,对讲机停留在当前接收到呼叫的信道。
固定的信道	指定可用的信道列表中的任一信道。

备注：固定的发射信道不得设为仅接收。

优先扫描：可指定信道为优先扫描信道，扫描过程中，50% 的对讲机扫描位于优先级 1 成员。如果存在优先级 2 成员，优先级 1 成员的扫描将由 50% 减为 25%。即使定位在非优先信道或优先级 2 成员之后，对讲机仍会继续定期扫描优先级 1 成员上的发射活动。如果对讲机在优先级 1 成员上发现活动，它将停止当前的发射，而对优先级 1 成员发声。

10. 紧急报警

紧急警报用于表示紧急状况，您可以在任何时候，甚至在当前信道上活动的情况下，发起紧急呼叫。

发起方：按下紧急报警键启动，本地发出报警声音并无线发报警命令。再次按紧急报警键或 PTT 键退出报警模式。

备注：数字模式时只有当前信道配置了“紧急报警系统”，报警系统才能起作用。如果没有配置回复信道，只能本机发出声音报警，不能远程报警。回复信道只能选择组呼信道。模拟信道无需配置“紧急报警系统”即可提供本地声音报警并且在当前信道发送报警信号。

接收方：收到报警命令后发出报警音，按 PTT 键退出。

数字信道报警类型选项

禁止	报警功能无效。
常规	对讲机发射警报信令,并提供表示其处于“紧急”模式的音频和视觉提示。

11. 倒地报警（选配）

开启倒地报警功能后，当使用者因发生意外倒地时机器会自动发出报警，报警方式与紧急报警相同。

12. 单独工作

启动单独工作后，在设定的时间内无任何人为操作，则启动报警，报警方式与紧急报警相同。

报警之前会有预警（预警时间通过写频软件设置）提示。

13. 通话录音（选配）

备注：仅数字信道有效。

录音开启后，本机可提供超长时间录音。

查看及播放录音：

方式 1：侧键设定播放录音开关启动播放。

方式 2：电脑软件播放录音。

备注：当录音存储空间已满时，新的录音内容会自动覆盖最早的录音内容。

保修卡

保修说明：

1. 本保修卡由顾客保存作为保修凭证，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，请确认保修卡系列号与购买机器在号码相符，否则无效。
4. 在正常使用情况下，产品主机12个月内予以保修，电池、充电器6个月内予以保修，天线、背夹、车充、借电器等配件属于易耗品，不在保修范围内。
5. 用户可选下列途径得维修服务：
 - a.在原购物处理
 - b.我司在当地特约维修点。

机 型：
系列号：
销售商：
用户名：
地 址：
购买日期：
联系电话：
联系电话：
邮 编：

Included accessories

article	unit	Quantity
host computer	part	1
Antenna	draw money	1
Battery charger	set	1
Li-ion battery	piece	1
Belt clip	individual	1
User's manual	this	1

SUPPLIED

When the charger plug is plugged into the mains (220V) power supply, the indicator light of the charger will be red at this time Light; the battery is connected to the charger, charging starts, the indicator light of the charger is orange;fully charged After the balance, the indicator light jumpsto red again.

The keys

1. PTT button (transmit button)

Press and hold this key during transmission and speak into the microphone.

2. Programmable function keys: side key SK1/ side key SK2

- 1 **Initial function:**
Side key SK1: short press: monitor / long press: zone switching.
Side key SK2: short press: flashlight / long press: radio.
- 2 **Press and hold the button for at least 1 second is a long press (the time is set by the frequency input software), otherwise it is a short press.**

Short press this key and release to turn on the function set by short press, short press and release again to close the function.
Press and hold this key for a long time to turn on the function set by long press, and press and release it again to close the function.

Keys that can be programmed by software	
Analog 1750HZ	Continuous transmission of 1750Hz signal, used to start relay station
High and low power selection	Allows the user to switch between high and low power
Listening to the	Allows the user to turn listening on or off. Only analog channels are available. Ignore all received signaling and listen for all activities on the channel. You can press this button and listen for noise for volume adjustment
Regional switch	Fast switching area
Scanning switch	Allows the user to turn scanning on or off
Voice control switch	Allows the user to turn on/off voice-controlled transmission for the channel
Relay/off-net	Allows the user to switch between relay and off-network modes
Stand-alone switch	Turn on or off the stand-alone function
Ground alarm	Turn on or off the fall alarm function

Introduction to common operation

1. Switch channels

Rotate the channel switch to switch channels.

2. Select areas

Press the side key with the region function set to select the region. It has a maximum of 64 zones.

3. Initiate a call

Press PTT to initiate the call and the indicator light turns red.

4. receiving

Valid call received, indicator light on green.

5. Analog channel

6. Subaudio frequency

Contains 51 group CTCSS

62.5	67.0	69.3	71.9	74.4	77.0	79.7	82.5	85.4	88.5
91.5	94.8	97.4	100.0	103.5	107.2	110.9	114.8	118.8	123.0
127.3	131.8	136.5	141.3	146.2	151.4	156.7	159.8	162.2	165.5
167.9	171.3	173.8	177.3	179.9	183.5	186.2	189.9	192.8	196.6
199.5	203.5	206.5	210.7	218.1	225.7	229.1	233.6	241.8	250.3
254.1									

7.DCS

Contains 166 sets of DCS (83 positive polarity, 83 negative polarity)

023	025	026	031	032	043	047	051	054	065
071	072	073	074	114	115	116	125	131	132
134	143	152	155	156	162	165	172	174	205
223	226	243	244	245	251	261	263	265	271
306	311	315	331	343	346	351	364	365	371
411	412	413	423	431	432	445	464	465	466
503	506	516	532	546	565	606	612	624	627
631	632	654	662	664	703	712	723	731	732
734	743	754							

8. PTTID

Initiation: In analog mode, DTMF online code and offline code can be configured through the frequency transmission software. The analog channel enables upper and lower code, and the online code will be sent when PTT is pressed down and the offline code will be sent when PTT is released.

9.scanning

Start scanning:

Mode 1: side key set scanning switch to start or close scanning.

Mode 2:The frequency transfer software configures the scan list of the current channel.

After scanning is started, the channels in the scan list are detected successively. Call received during scanning can be replied by PTT, and the reply channel is set by the frequency transmission software. To exit scanning press the side key to exit.

Note: a fixed transmission channel shall not be set to receive only.

Priority scanning: Channels can be specified as priority scan channels. During scanning, 50% of the interphone scans are in priority 1 members. If a Priority 2 member exists, the scan for a Priority 1 member is reduced from 50% to 25%. Even after the location of a non-priority channel or priority 2 member, the intercom will continue to periodically scan for transmitting activity on the priority 1 member. If the intercom detects activity on the Priority 1 member, it will stop the current emission and speak to the Priority 1 member.

10.Emergency alarm

An emergency alert is used to indicate an emergency, and you can initiate an emergency call at any time, even if there is activity on the current channel.

The initiator: Press the emergency alarm button to start, local alarm sound and wireless alarm command. Press the emergency alarm key again or the PTT key to exit the alarm mode.

Note: in digital mode, the alarm system can only work if the current channel is configured with "emergency alarm system". If there is no Configure the reply channel, can only send out the sound alarm on the machine, can not alarm remotely. The recovery channel can only select the group call channel. Analog channels provide local voice alarms and send alarm signals on the current channel without the need to configure an "emergency alarm system".

The receiving party: After receiving the alarm command, make an alarm sound and press the PTT key to exit.

ban	The alarm function is invalid.
conventional	The walkie-talkie transmits an alarm signal and provides audio and visual cues indicating that it is in "emergency" mode.

11.The ground alarm

After turning on the flop alarm function, the machine will automatically send out an alarm when the user falls down accidentally, and the alarm mode is the same as the emergency alarm.

12.Work alone

After starting the work alone, if there is no human operation within the set time, the alarm will be started, and the alarm mode is the same as the emergency alarm.

There will be warning before alarm (warning time can be set by write frequency software) prompt.

13.Voice recording

Note: Only digital channels are available.

After the recording is turned on, the machine can provide ultra-long time recording.

To view and play the recording:

Mode 1: Side key is set to play recording switch to start playing.

Method 2: The computer software plays the recording.

Note: when the recording storage space is full, the new recording content will automatically overwrite the original recording content.