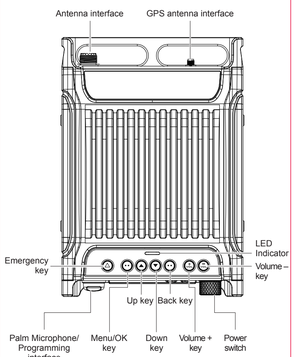
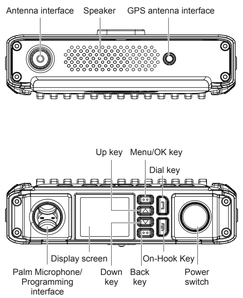
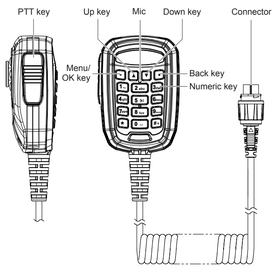
DR700 Single-Frequency Repeater
Quick Start Guide

Please read carefully the Safety Information and Warranty Care before using the product.

Appearance







Attachments

Please open the packing box carefully and confirm whether it contains the items listed in the table below. If you find this product and its accessories missing or damaged, please contact your dealer immediately.

No.	Items	QTY
1	Repeater	1
2	Battery	1
3	Antenna	1
4	Palm Microphone	1
5	Charger	1
6	AC Power Cord	1
7	Quick Start Guide	1
8	Backpack	1


Repeater


Battery


Antenna


Palm Microphone


Charger


AC Power Cord


Backpack

Preparation

1. Notes About the Battery
The device is delivered uncharged. Before using the device for the first time, please charge the battery. If the battery is not used for a long time or run out, please charge it before using it again. It is necessary to charge and discharge the battery for two or three times to attain the best performance of it. When you see a warning of low voltage on the device, please charge or replace the battery.
Note:
- Do not short out battery terminals or discard the battery in fire.
- When charging the battery installed on the device, please power off the device so that the battery can be charged fully.
- Please take the device and battery out of the charger when not charging the battery. Continuous charging will shorten battery life.
- Stop charging the battery if it is fully charged, otherwise its cycles of charging and discharging will be reduced.
- Try to keep the battery indoors under a temperature of about 25℃. The battery is liable to fail after being kept in a low temperature of below -10℃ for a long time.

Under a temperature above 35℃ or below -10℃, the discharge capacity of the battery might reduce. This is decided by the physical characteristics of lithium battery.

2. Battery Level Detection
Press the power detection key for a short time, the power indicator will be on, and 1 to 4 green indicators indicate the power from low to high. When red light is on, it indicates that the power is too low. Please charge in time.

3. Charging the Battery
① Connect the AC power cord with the charger, and plug the AC power cord plug into the AC power outlet as required.
② Open the "waterproof rubber plug of charging jack" on the top of the battery, and insert the charging plug of the charger into the charging jack on the top of the battery to charge the battery.
③ When the battery is not connected, one is red power light and the other is green status indicator. When connected to the battery (i.e. when charging), the two lights are red.
④ After charging for about 5 hours, the red status indicator turns green, indicating that the battery is fully charged.
⑤ When the status indicator is green, keep charging for about one hour to achieve the best performance of the battery.

4. Installing the Battery
Align the two hooks at the bottom of the battery back with the corresponding notches at the bottom of the host, and push the battery up obliquely. When the groove around the battery contact is aligned with the convex rib around the host spring pin, compress the battery and the host, and then tighten the two battery locking screws clockwise.

5. Uninstalling the Battery
If you need to remove the battery, please turn off the host first.
① Unscrew the two battery locking screws anticlockwise.
② Slightly disconnect the upper part of the battery and push the battery down obliquely. After the two hooks at the bottom of the battery are separated from the host, the battery can be removed.

6. Connecting the Antenna
Insert the antenna into the antenna connector on the top of the host and rotate the fixed antenna clockwise.

7. Installing the Palm Microphone
To install the palm microphone, plug the palm microphone (with the direction sign up) into the corresponding interface of the device, and rotate clockwise the cover lock on the plug. When the lock contacts the slot on the device, press it a bit and continue to rotate it until it is tightened.
To uninstall the palm microphone, rotate clockwise the cover lock on the plug to the greatest extent, and then pull out the plug.

Kirisun Communication Co., Ltd.

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Programmable Keys

To cater to your preference, the programmable keys P1, P2 and P3 can be set as shortcut keys through programming by your dealer.
Press: Press down a key and release quickly.
Press and hold: Press down a key and hold for the duration programmed before release. (The duration can be set in programming settings.)

No.	Function	Description
1	Void	Pressing this button does not respond to any programmable button functions on the radio，it respond to default menu, up/down keys, and back key functions
2	High/Low Power	Switch between high and low power.
3	Squelch On/Off	Enable/disable squelch. It can be used to receive week signals in an analogue channel.
4	Squelch Level	Adjust signal strength required to receive signals.
5	Scan	Enable/disable scanning. It is used to monitor the communication activities in other channels.
6	LCD Brightness	Press the key to go to the Screen Brightness interface, and adjust the brightness by pressing the Up/Down key.
7	LCD Backlight Type	Press the key to go the Screen Backlight interface, and adjust the backlight duration.
8	Repeater/ Talkaround	On a channel allowing relay, enable repeater or talkaround mode.
9	Zone Selection	Press the key to switch to another zone.
10	Standby Page	Press the key to return to the standby page.
11	Nuisance Delete	Press the key to temporarily remove an unwanted channel, except the selected channel, from the scan list.
12	Scramble/ Encrypt	On a channel allowing this function, press the key to enable/disable encryption.
13	Contact	Press the key to go to the Contact interface.
14	Message	Press the key to go to the Message interface.
15	Call Log	Press the key to go to the Call Log interface.
16	Channel Monitoring	Press this key to enable/disable channel monitoring. The function will be disabled if you press the PTT key.
17	Permanent Channel Monitoring	Press this key to enable/disable permanent channel monitoring. This function will not be disabled if you press the PTT key.
18	Tx Interrupt	Press the key to interrupt calls on the current channel, so that the channel will be idle.

Using the Repeater

1. Powering On/Off
In the shutdown state, turn the power switch clockwise to turn on the power of the host, the LCD screen displays the startup screen, the backlight automatically turns on, and the machine sends the startup prompt tone.
In the power on state, turn the power switch anticlockwise to turn off the power of the host.

2. Selecting a Zone
An area is a channel group. The device supports a maximum of 248 areas, with a maximum of 128 channels per area.
Follow the procedure below to select an area.
Press the menu key in the standby interface to go to the menu.
Press the up key or down key to the desired area, and then press the OK key .
The screen prompts "operation succeeded" and then returns to the selected area screen.

3. Selecting a Channel
In the standby interface, switch the channel by pressing the up key or down key .

4. Adjusting the Volume
Press the "VOL+","VOL-" to adjust the volume.

5. Single-Frequency Repeater
You may set single-frequency or inter-frequency repeater mode in channel programming.
① Configuration Method
Run the CPS, go to the Edit interface, and select a digital channel.
To set single-frequency repeater, tick Single-frequency Repeater.
To set inter-frequency repeater, untick Single-frequency Repeater.
② Using
Directly switch to the channel configured with single-frequency repeater mode.
Note:
The single-frequency repeater channel does not support sending and receiving calls but single-frequency repeater, and works in digital conventional mode.

6. Initiating a Call
You can initiate a call by one of the following ways.
① Make a call to the default contact
If the repeater is preset with a corresponding default contact in each channel, you can press the PTT key to directly send a call to the default contact.
② Select a contact and make a call
Enter the "contact" menu, select the "contact list" menu, select other contacts, and press the PTT key to initiate the call.
③ Dial manually and make a call
Enter the "contact" menu, select the "manual dialing" menu, enter the manual dialing interface, directly enter the ID number of the other party, and press the PTT key to initiate the call.

7. Receiving/Reply to a Call
When the radio receives the call, it will automatically switch to the receiving state. When receiving a call, the LED is green, and the LCD displays the call type icon (indicating individual call and group call), alias or ID, and incoming call icon , and play the received voice.
When waiting for other users to stop calling, you can immediately press PTT to call back the current contact within the call suspension time.
Note:
In order to receive group calls from other users, the device must be set as a member of the group (setting through the CPS).

LED Indicator

Indicator State	Device State
Red light glows	Transmission, upgrade or programming is in progress.
Green light glows	Receiving signals (voice, text message and data) or it detected activity on the channel.
Orange light glows	The radio received a call within the automatic reset time (analog) or the call suspend time (digital)
Orange light flashes	In emergency state, or missed call alert received, or scanning in progress.
Red light flashes	Receiving emergency alarm, or startup self-detection failed.
Green light flashes	Single-frequency repeater channel in standby state.
Green and orange light flashes alternately	Transfer in progress.

LCD Indication

Icon	Device State
	RSSI The more bars, the stronger the signals, and vice versa. This icon is displayed only when signals are received.
	High-power transmission
	Low-power transmission
	Mute
	New message
	Status message
	Inbox full
	Emergency alarm mode enabled
	Encryption mode enabled
	Initiating a call
	Receiving a call
	Talk-around mode enabled
	GPS enabled but no GPS data received
	GPS data received
	Scanning (and the icon rotating)
	Dwell on conventional channel during scan
	Dwell on priority channel 1 during scan
	Dwell on priority channel 2 during scan
	Lone Worker enabled
ID type	
	(Call type) individual call
	(Call type) group call
	(Call type) all call
Menu item selection	
	Item selected
	Item unselected

Troubleshooting

Problem	Solution
No response during startup	1. Check the remaining capacity of the battery pack. For low capacity, charge and then try again, or replace the battery pack. 2. Poor contact of the Power key. Wipe the metal dome array using alcohol, and then try again. 3. Poor contact between the wiring terminal and the power supply. Reinstall the power supply, and try again. 4. Open circuited tube fuse of the power cord due to reverse connection of the power supply. Replace the fuse, and try again.
Cannot talk	1. The both sides are on different frequencies. Use the same frequency. 2. The both sides use different CTCSS/CDCSS codes. Set the same code via PC. 3. Exceed the maximum communication distance.
Unable to receive signal	1. Antenna in poor contact. Rotate the antenna connector tide. 2. Inconsistent Tx and Rx frequencies. Set the same frequency. 3. Exceed the maximum communication distance.
Green light on but no voice during Rx	1. Check the volume level. Increase the volume. 2. Check the speaker. If it is broken, replace it.
GPS positioning failed	1. Check the antenna. Replace the antenna. 2. Check GPS settings. For a wrong setting, modify it. 3. The antenna might be in a shielded environment. Place the antenna in open area, and then try again.
Programming exception	1. Check the wiring. Make sure the wiring is ok. 2. Check whether USB drive program has been installed. If no, install it. 3. Earphone interface board in poor contact. Check the board. If it is broken, replace it.

This document is only for your reference, and actual product shall prevails.
Kirisun reserves the right to the final interpretation of the document.

尺寸：165*95mm