FOREWORD

Thank you for purchasing our professional DMR digital two way radio. This easy to use radio will always offer you reliable, clear and security communication services.

Please read this manual carefully before using this radio, the information presented herein will help you to find the maximum performance, operating method and maintenance of your radio.

DM-R358

QUICK START GUIDE

DIGITAL HAND-HELD TERMINAL

Get Started

Please read the following information before your operation:
How to use this manual?
What will your agent/system administrator tell you?

How to use this manual?
For details, refer to the descriptions provided in the following sections.

What will your agent/system administrator tell you?
You can consult your agent or system administrator about the following:
- Is your DM-R358 configured with a preset channel?
- Which buttons can access other functions?
- Which optional accessories are applicable to your demand?

This manual describes the basic operations of the DM-R358. However, your agent or system administrator may customize your DM-R358 based on your application. For details, contact your agent or system administrator.

Ready to Use the HT

Perform the following steps to assemble your HT:
Charge the battery.
Install the battery.
Install the antenna.
Install the belt clip.
Power on.
Adjust the volume.

Charge the Battery
The DM-R358 is powered by a Li-ion battery. To avoid damage and comply with the warranty terms, you can charge the battery only with the charger included with the DM-R358.

Install the Battery
Align the battery with the battery seat on the back of the DM-R358 and forcibly press the battery into the DM-R358 until the locker properly locks. To remove the battery, power off the DM-R358 and press the locker of the battery until the battery separates from the battery seat.

Install the Antenna
Power off the DM-R358, insert the antenna into the mounting hole, and turn it clockwise. To remove the antenna, turn the antenna counterclockwise. Make sure that the DM-R358 is powered off before removing its antenna.

Install the Belt Clip
Align the screw hole in the belt clip with that on the back of the DM-R358 and tighten the belt clip with the screw.

Power on
Turn the On/Off/Vol knob clockwise until a click and then a prompt tone are heard, indicating that the power-on test is successful.

📝 Note:
If the tone/prompt function of the DM-R358 is disabled, no power-on prompt tone can be heard. You can enable/disable the prompt tone on the programming software. If the DM-R358 fails to be powered on, check the battery. Make sure that the battery is properly charged and correctly installed.

If the problem persists, contact your agent. To power off your DM-R358, turn the knob counterclockwise until a click is heard.

Adjust the Volume
To turn up the volume, turn the On/Off/Vol knob clockwise. To turn down the volume, turn the On/Off/Vol knob counterclockwise.
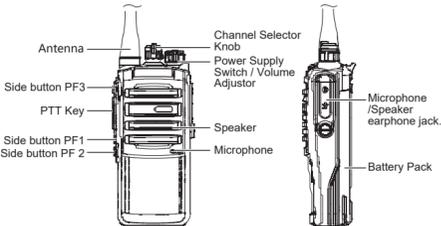
HT Control

Please read the following carefully:
- HT control options
- Programmable buttons
- PTT button

HT Control Options

Top Key — LED indicator

Front and Side Views of the HT

Antenna
Side button PF3
PTT Key
Side button PF1
Side button PF 2
Channel Selector Knob
Power Supply Switch / Volume Adjustor
Speaker
Microphone
Microphone /Speaker earphone jack.
Battery Pack

Programmable Keys
Your agent can set the programmable keys as the shortcut keys or preset channel or call groups.

Functions That Can Be Allocated
- Emergency call: initiates an emergency alarm or call in accordance with programming.
- Voice control: enables or disables the VOX function.
- Power switchover: switches over the transmit power level between the high and low power.
- Talkaround switch: enables or disables the Talkaround mode.
- Scanning on/off: enables or disables scanning.
- One Touch Access 1-5 (Shortcut Key): Initiates a group call, All call, and Single call, and supports to send Call Alert, Radio Check, Radio Kill, Radio Active and Remote Monitor when on Single call mode.
- Remote detection: checks whether the peer device is operating.
- Remote kill: remotely powers off the DM-R358.
- Remote activation: remotely powers on the DM-R358.
- Remote listening: remotely listens to the activities of the DM-R358.
- Zone Inc (Zone Increase): Change the current Zone, there are two zones.
- Zone Dec (Zone Decrease): Change the current Zone, there are two zones.

PTT Key

Each channel can be individually configured as a digital/analog channel.

- During a call, the PTT key can allow the DM-R358 to transmit signals to other portable radios in the call. You can press and hold the PTT key to transmit a call and release the PTT key to receive a call. When the PTT key is pressed, the microphone is activated.
- When a call is terminated, the PTT key can initiate a new call. For details, refer to the "Initiating a Portable Radio Call" section on Page 8.
- When you release the PTT key to terminate a call, you can hear a beep. You can switch off the channel idle prompt by disabling all DM-R358 tones and prompts. You can enable/disable the prompt tone on the programming software.
- Channels can be switched over by the channel selection knob.

Status Indicators

The DM-R358 indicates its operational status in the following ways:
LED indicators
Prompt tones

LED Indicators
The LED indicators show the operational status of the DM-R358.
- Red on: The DM-R358 is transmitting signals, and sending encrypting calls or data.
- Green on: The DM-R358 is powering on, receiving signals or and encrypting calls or data.
- Flashing jade Green: The DM-R358 is scanning.

Prompt Tones
The prompt tones provide voice prompts of the device status or data reception responses. You can enable or disable the related prompt tones on the programming software.
- Call Start of Digital: A Beep can be heard when the PTT key is pressed.
- Voice End of Digital: A Beep can be heard when the voice is end.
- Call End of Digital: A Beep can be heard when the PTT key is released.
- Call Start of Analog: A Beep can be heard when the PTT key is pressed.
- Voice End of Analog: A Beep can be hear d when the voice is end.
- Low-battery alarm tone: Repeated tones can be heard when the battery voltage is low. You can set the duration on the programming software.

Receiving and Initiating a Call

After configuring the following function, you can use your DM-R358.

Selecting a Zone
A zone is a channel group. The DM-R358 supports up to two zones. One zone supports up to 16 channels. (The DM-R358 supports up to 32 channels.)
Procedure:
1. Press the pre-programmed zone conversion key.
2. You will hear a beep for Zone 1 and a double Beep for Zone 2.

Selecting the DM-R358 Channel,User ID,or Call Group ID
Procedure:
Turn the channel selection knob to select the DM-R358 channel ID and user ID or call group ID.

Receiving and Answering Calls
Receive or answer calls after the DM-R358 channel ID and user ID or call group ID are selected.

When the DM-R358 transmits a call, the LED indicator is red on. When the DM-R358 receives a call, the LED indicator is green on.

Receiving and Answering a Group Call
To receive a call from a user group, the DM-R358 must be configured to be a member of the group.
1. When the DM-R358 receives a group call, the LED indicator turns green.
2. Hold the DM-R358 vertically and one to two inches (2.5 cm to 5.0 cm) away from your mouth. Press and hold the PTT key and talk to the microphone after the LED indicator is red on.
3. Release the PTT key to receive the call.
4. If no voice is transmitted and received in a specified time, the call is terminated.

Receiving and Answering a Private Call
A private call is the call from an individual portable radio to another portable radio.
When you receive a private call:
1. The LED indicator turns green.
2. Hold the DM-R358 vertically and one to two inches (2.5 cm to 5.0 cm) away from your mouth. Press and hold the PTT key and talk to the microphone after the LED indicator is red on.
3. Release the PTT key to receive the call.
4. If no voice is transmitted and received in a specified time, the call is terminated.

Receiving a General Call
An all-call is the call from an individual portable radio to all portable radios on the channel. It is used to release the important notices that need users' special concern.
When you receive an all-call:
1. The LED indicator turns green.
2. If no voice is transmitted and received in a specified time, the call is terminated.

📝 Notes:
- You cannot answer an all-call.
- If you are handed over to another channel when you are receiving an all-call, the DM-R358 stops receiving this all-call. During an all-call, you cannot use any pre-programmed key until the call is terminated.

Initiating a HT Call
You can select a channel, user ID, or call group ID in either of the following ways:
- Channel selection knob
- Pre-programmed shortcut key

📝 Note:
Your DM-R358 must enable channel encryption before sending encrypted information. The transmitted encrypted information can be decrypted only when the target portable radio has the same encryption key as your DM-R358.

Initiating a Call with the Channel Selection Knob
Initiating a Group Call
To initiate a call to a user group, the DM-R358 must be configured to be a member of the group.
Procedure:
1. Turn the channel selection knob and select the channel with the active call group ID.
2. Hold the DM-R358 vertically and one to two inches (2.5 cm to 5.0 cm) away from your mouth.
3. Press and hold the PTT key and talk to the microphone after the LED indicator is red on.
4. Release the PTT key to receive the call. When the DM-R358 receives an answer, the LED indicator turns green.
5. If no voice is transmitted and received in a specified time, the call is terminated.

Initiating a Private Call
Procedure:
1. Turn the channel selection knob and select the channel with the active user ID.
2. Hold the DM-R358 vertically and one to two inches (2.5 cm to 5.0 cm) away from your mouth.
3. Press and hold the PTT key and talk to the microphone after the LED indicator is red on.
4. Release the PTT key to receive the call. When the DM-R358 receives an answer, the LED indicator turns green.
5. If no voice is transmitted and received in a specified time, the call is terminated.

Initiating an All Call
This function allows you to transmit signals to all the users on the channel. The DM-R358 must be programmed to allow you to use this function.
Procedure:
1. Turn the channel selection knob and select the channel with the active all-call group alias or ID.
2. Hold the DM-R358 vertically and one to two inches (2.5 cm to 5.0 cm) away from your mouth.
3. Press and hold the PTT key and talk to the microphone after the LED indicator is red on.

📝 Note:
The users on the channel cannot answer an all-call.

Initiating a Group/Private Call with the Shortcut Key
With the shortcut-key call function, you can make a group call or a private call with a pre-defined alias or ID. To use this function, you can pre-define a shortcut key. You can allocate only an alias or an ID to a shortcut key. You can pre-define several shortcut keys.
Procedure:
1. Press the pre-programmed shortcut key to initiate a group call or a private call to the pre-defined alias or ID.
2. Hold the DM-R358 vertically and one to two inches (2.5 cm to 5.0 cm) away from your mouth.
3. Press and hold the PTT key and talk to the microphone after the LED indicator is red on.
4. Release the PTT key to receive the call. When the DM-R358 receives an answer, the LED indicator turns green.
5. If no voice is transmitted and received in a specified time, the call is terminated.

Advanced Functions

The DM-R358 provides the following advanced functions:
DMO dual-timeslot
Scanning list
Scanning
VOX
Talkaround
Remote Monitor
Remote Kill and Activate

DMO Dual-Timeslot
In a DMO dual-timeslot communication, two calls can be made on the same frequency, making the communication efficiency double and saving the cost for users for frequency request and use. In addition, dual-timeslot communication can ensure smooth and realtime communication even in peak time.

Scanning List
You can create a scanning list and allocate it to a single channel or a call group. Your DM-R358 can check whether there are voice activities on the current channel or in the current call group by cyclically scanning the channels and call groups in the list. Your DM-R358 can support up to 10 scanning list and each list consists of up to 16 members.

Scanning
When you enable scanning, your DM-R358 check whether there are voice activities on the current channel by cyclically scanning the pre-programmed scanning list.
The LED indicator flashes jade green.
Automatic scanning: The DM-R358 starts to scan automatically after you select an active channel or call group with automatic-scanning enabled.

Starting and Stopping Scanning
Procedure:
1. Start or stop scanning by pressing the pre-programmed scanning key or selecting a channel with a pre-programmed scanning list with the channel selection knob.
2. When scanning is started, the LED indicator flashes jade green. When scanning is stopped, the LED indicator is off.

Transmitting a Response During Scanning
During scanning, your DM-R358 stays on the active channel or in the active call group detected. The duration when the DM-R358 stays on the channel is called the pre-programmed time limit of the "Hold time".
Procedure:
1. During the hold time, press the PTT key and talk to the microphone after the LED indicator is red on.
2. Release the PTT key to receive the call.
3. If you do not send a response, the DM-R358 starts to scan other channels or call groups.

Setting a Power Level
You can set the power level of each channel to low or high.
A high power level is used for the communication between the DM-R358 and a remote portable radio. A low power level is used for the communication between the DM-R358 and a near portable radio.
Procedure:
1. Press the pre-programmed power level key.
2. If the DM-R358 beeps once, it indicates that high power is transmitted. If the DM-R358 beeps twice, it indicates that low power is transmitted.

Enabling or Disabling the VOX Voice Control Function
VOX allows you to initiate a hand-free voice call without pressing PTT key. Once the microphone detects a voice signal, including VOX earphone or other voice accessories, the radio will automatic transmit the signals in the time period.
Procedure:
1. Press the programmed VOX key to enable or disable the VOX function.
2. Talk to the microphone clearly.

Talkaround
If the forwarder does not work or if your DM-R358 is beyond the operating scope of the forwarder but within the coverage of other portable radios, you can still use your DM-R358 for communication. This is called "Talkaround".
Procedure:
Press the programmed Repeater/Talkaround key to switch over between the Talkaround and Repeater mode.

Remote Monitor
This function enables remote listening of the DM-R358.
Procedure:
1. You should program the side key as One Touch Call feature, and set up the Contacts who you want to monitor via. software and Choose Feature type as "Remote Monitor."
2. Press the programmed One Touch Call key to monitor the pre-set channel.

Remote Kill and Activate
This function enables remote kill and activate of DM-R358.
Procedure:
1. You should program the side key as One Touch Call feature, and set up the Contacts who you want to Kill or Activate via. software and set up the Feature type as "Radio Kill / Activate."
2. Press the programmed One Touch Call key to Kill or Activate the pre-set channel.

Accessories

Your DM-R358 is compatible with the accessories listed in the following table. For details, contact your agent.
Antenna
Battery
Smart charger
Power adapter
Belt clip
Earphone (optional)

Parking List		
Name	Model/Specification	Quantity
Portable radio	DM-R358 A6	1
Antenna		1
Li-ion battery		1
Smart charger		1
Power adapter		1
Belt clip		1
Quick start guide		1