USER GUIDE

LUNCHBOX
DMR REPEATER

8"
11"
6.5"

GENUINE
blackbox
RADIOS

DIG:TAL

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Unpack and Check
Before using the Lunchbox, we recommend that you check the items listed below. If any damage has occurred during shipment, please contact your local dealer.

- LUNCHBOX REPEATER (Waterproof case, Radio, Battery).
- POWER CABLE with Transformer.
- ANTENNA (Magnetic mount base with ten foot coaxial cable and six inch whip antenna).

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So now you are almost ready to use your repeater.
Just have an authorized dealer program it to match the frequencies of whatever channel you want your radios to "repeat" on.

The Lunchbox provides 8 watts of power (double what most handheld radios offer), and uses auto-switching technology! This ensures instant communication without delay, and without the need to reprogram any of your radios to use a repeater. Thank you and enjoy!

To watch an introduction video on YouTube, scan this QR code:

FEATURES

FEATURES

No.	Part Name	No.	Part Name
1	Battery	11	Volume Control Knob
2	Battery Power On/Off	12	P1~P4 (Programmable Keys)
3	Battery Charging Port	13	Battery Indicator
4	LED Indicator	14	Dial / Hang up for Interconnect
5	On/Off Button	15	Emergency Button
6	Return Button	16	
7	Down Key	17	
8	Up Key	18	
9	The Menu/Ok Button	19	
10	Programming connector (Mic option)	20	

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Basic Operation

Attaching the Antenna:

The N-Type connector for the antenna is on the front of the Lunchbox.
Simply take the connector from the antenna and press firmly into the receptor on the Lunchbox. Once pressed in, screw in by hand to tighten.
Place the magnetic base at least two feet away from the Lunchbox and any computer equipment.

NOTE: If the antenna is placed near computer equipment you may get interference.

 Caution: Never transmit without an antenna.

Plugging in the power cord:

1. The power cable is used to charge up the battery inside the Lunchbox, and usually takes about three hours to fully charge a drained battery. Plug the charger into the battery (on the face, below the Power button).

2. Plug the AC adapter into an electric outlet.

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Basic Operation

Power On: Press in the large button. The blue LED should remain on.

Now press the small power button on the radio.

Power Off: Press and HOLD the small power button on the radio. Once off, press the large blue-lit battery power button.

Channel selection: Simply select your channel using the Up/Down arrow buttons on the radio.

Volume should be off unless used as a dispatch as well. Microphone options are available.

NOTE: For confirmation that the repeater is being used by the other radios, you will see the LED light on the face of the repeater turn red when someone is transmitting on their radio. You will also see the antenna icon in-use on the LCD screen.

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Programmable Buttons

For the convenience of users to operate the radio according to their own habits, the following

buttons can be programmed as short cuts to radio functions by an authorized dealer.

-P1 to P4 can be programmed to "long press" and/or short press.

-Short Press : Pressing and releasing rapidly.

-Long Press: Pressing and holding for the programmed duration. (This time can be set via

the programming settings).

No.	Shortcut Keys	Description
1	None	No function. The error alert will be heard when the key pressed.
2	High/Low	Toggles power level between high and low.
3	Monitor	Press monitor key to enter to "carrier squelch" mode when the current channel is with CTC/DCS.

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No.	Shortcut Keys	Description
4	Squelch Off	To always unmute the speaker no matter whether carrier is present or not. (Analog mode).
5	Squelch Level	Adjust the signal stress required for the radio to unmute.
6	Scan	Toggles scan on or off. To receive signal from other channels
7	LCD Brightness	Adjust the brightness level by entering to "LCD Brightness".
8	LCD Backlight Type	To adjust off time of LCD backlight in this option.
9	Repeater/Talkaround	Toggle between using a repeater and communicating directly with another radio.
10	Zone Selection	To change the current call zone.
11	Home Screen	To quickly return to the home screen.
12	Nuisance Delete	To temporarily ignore unwanted channel activity.
13	Scramble/Encryption	Toggles scramble/encryption on or off.
14	Contacts	Provides directly access to the contact list
15	Message	Selects the message menu. Only works on digital mode.

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Status Indicators on LCD Screen:

Icon Name	Icon	Radio Status
Signal Strength Indication		No signal The number of bars indicates the received signal strength. Four bars are the strongest.
Message		There is new message/unread message. Message inbox is full.
Encryption or Scrambling		Analog scrambling or digital encryption is available.
Speaker Mute		Speaker is muted.
Transmitting Power		High TX power for the current channel Low TX power for the current channel
Channel		Channel is being monitored

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Status Indicators on Radio (next to power button):

LED Indicator	Radio Work Status
Red LED lights on	Radio is transmitting.
Green LED lights on	Radio is receiving (voice, short message, or data) or there is an activity on the channel.
Orange LED lights on	The radio is in the call hang-time period, pressing PTT on a mic lets you talk back while the orange LED lights on.
Orange LED flashes	Radio is in: Emergency status, or you had a missed call / incoming call alert, or the radio is scanning.
Red LED flashes	Radio is receiving an Emergency alarm.

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For Support contact your Authorized Dealer.