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GENERAL FEATURES

- Ultra compact design & size
- 115x53x28mm, 138g only
- 38 CTCSS
- Button Lock
- Scan & Priority Scan
- Beep on/off
- Talking range to 5 miles
- Transferable by cloning
- Clear voice transmission and reception
- Rugged construction

UNPACKING

Unpack and check that all items have been enclosed.

Packing contents: 1. Radio/Antenna 2. Battery 3. Belt clip
4. Hand strap 5. Charger with Adapter
6. User's manual

GETTING READY

1. Installation, Removal the Belt Clip
Installation: align the belt clip with the plastic slots of backside of unit. Slide the belt clip onto the unit, pushing firmly until a click heard.
Removal: hold up the belt clip release tab with fingernail or coin (or like instrument). While holding up the release tab, slide the belt clip out and away from the unit.

2. Installation the Battery Pack
Installation: turn off the radio. Unscrew the battery pack cover lock screw by rotating counterclockwise with coin (or like instrument). Open the cover and insert the battery pack in right position. Close the cover and screw the cover lock screw.

3. Charging the Battery
Before your starting operation, make sure the battery is fully charged. (Refer to charging method next page)

DESCRIPTION

- external audio/microphone and adapter socket

- antenna

- PTT(push to talk) button

- speaker

- up/down button

- LCD display panel

- power on/off button and indicate LED

- enter button

- microphone

- monitor button

- function button

• power on/off button and indicate LED
Push 0.5 second to turn power on, push 0.5 second again to turn power off.

Indicate LED

Red	on	Transmitting, charging
	Blinking	Low battery alert
Green	on	Receiving, recharging finished
	Blinking	Different sub-tone when receiving

• up/down button
You can select the audio volume (0~15), the channel and the function mode on or off with this button.

• function button
Press to go function mode (refer to next page).

• monitor button
Press to monitor. Holding down over 2 seconds keeps monitoring on. Press monitor button again to stop.

• enter button
Press to finalize setting.

• PTT(push to talk) button
Hold down to transmit, release to receive.

• LCD display panel

- **speaker**

- **microphone**
Talk 3 inches in distance during transmitting.

- **antenna**

- **external audio/microphone and adapter socket**

- **belt clip release tab**

- **battery pack cover**

- **cover lock screw**

- **belt clip**

- **hand strap**

OPERATION

1. Power turn on/off and volume control
Press power on/off button• 0.5 second to turn power on, press 0.5 second again to power off. Press up/down button• to increase or reduce the audio volume (00 ~ 15). Holding down up/down button• makes to move fast.

2. Transmit
Choose the channel as you desire. Hold down the PTT button• and talk to microphone• in 5• distance. The LED•(power button) lights red on transmitting. Release the PTT button to stop transmitting.

3. Receive
Choose the channel as you desire. The LED• lights green on receiving. In case the signal doesn't match sub-tone, the green light blinks.

4. Monitor
Press the monitor button• to monitor. Holding down monitor button over 2 seconds keeps monitoring function on. Press the monitor button shortly again to stop.

FUNCTION MODE

1. Channel select
If you press the function button• once, the channel number in LCD blinks. Then, select the channel wanted by pressing

`PS 01`

`-- 01`

up/down button•. Press the enter button•
to finalize or press the function button• to go on next
mode

2. Sub-tone select

During the sub-tone number blinking,
select the sub-tone wanted by pressing
up/down button•. It has from 01 ~ to 38.

`0T 01`

3. Scan

During the scan sign blinking, press the up
button• to upward scan or press the down
button• to downward scan. The
transceiver stops scanning after detecting

`SC ME`

a signal and remains on the same channel until the signal
drops out for 2 seconds. Press the up/down button• to go
on scanning even if it remains on the same channel for
receiving. Press the PTT button• to stop.

4. Priority scan

During number blinking. Then press the
up/down button• to priority scan sign
blinking, press the up/down button• to
choose on or off. When you choose `on`,
the channel select the channel wanted.

`PS ON`

This function scans selected channel when the radio is
standing by on the other channel.

5. Button lock

During button lock sign blinking, press the up/down button•
to choose on or off. This function prevents from changing
the channel by unintended pressing of the up/down button
(only PTT button and power button work).

6. Beep tone

During beep tone sign blinking, press the
up/down button• to choose on or off.
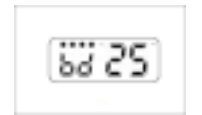
`bP ON`

7. Power save

During power save sign blinking, press the
up/down button• to choose `00`, `01`, `02`.
00: no power saving, 01: normal power
saving, 02: strong power saving.

`P 02`

8. Channel spacing

During channel spacing sign blinking,
press the up/down button• to select
channel spacing (12.5KHz or 25KHz).

`bd 25`

*Audio volume value set on 25KHz channel
spacing. So that audio volume may be louder if it's
changed to 12.5KHz channel spacing.

`bd 12`

RECHARGING THE BATTERY

1. Battery (Ni-MH)

Voltage		DC 7.5V
Duty time (5-5-90)	HM-650	Over 8 hrs

2. Charger with adapter

`LC --`

Charging time	ACR-65	Appr. 1.5 hrs
Operating temperature		0ºC~55ºC

Connect the AC adapter to the charger. Plug the adapter into 120VAC~60Hz. Turn the radio off and place the radio into the front pod of the charger. The left LED turns on indicating the radio battery is charging. When the radios battery charging is complete the LED turns off. You can charge the radio and a spare battery at the same time. In this case, place the radio in the front pod of the charger and the spare battery in the rear pod of the charger. The right led will come on. When the spare battery is charged the LED will turn off.

Low battery alert
LCD shows battery condition.

The indicator LED•(power button) will blink
red, if the battery falls below a low voltage level, LCD shows "oFF".

SPECIFICATIONS

		GMRS-PRO
Dimension (HxWxD)		115 x 53 x 28mm
Weight (with Battery)		138g (215g)

Operating Voltage		DC 7.5V
Operating Temp.		-20 ~ 60•
Battery Life (5:5:90) 650mAH Battery		8 hrs
Channels		15
Privacy Codes		38 CTCSS
Band Width		12.5KHz / 25KHz switchable
Frequency Range	Tx	462.5625~467.725MHz
	Rx	462.5625~462.725MHz
FM Hum & Noise	Tx	-40 dB
	Rx	-40 dB
Rx Sensitivity		-119 dBm (0.25uV)
Rx Spurious Response		-60 dB
Rx Selectivity		-60 dB
Rx Intermodulation		-60 dB
Tx Power		2W
Tx Spurious Rejection		-60 dBc
Frequency stability		±5 ppm

*the above specs is based on 25KHz channel spacing.

Safety information

Your wireless hand-held portable transceiver contains a low power transmitter. When the push-to-talk (PTT) button is pushed it sends out radio frequency (RF) signals. The

device is authorized to operate at a duty factor not to exceed 50%. In August 1996, the Federal Communications Commissions (FCC) adopted RF exposure guidelines with safety levels for hand-held wireless device.

WARNING: To maintain compliance with the FCC's RF exposure guidelines, this transmitter and its antenna must maintain a separation distance of at least 2 inches (5 centimeters) from your face. Speak in normal voice, with the antenna pointed up and away from the face at the required separation distance. The belt clip is for storage purpose only. DO NOT TRANSMIT WHILE USING THE BELT CLIP. To transmit, hold the device away from your body and ensure that the antenna is at least 2 inches (5 centimeters) from your body when transmitting.

USER'S MANUAL

model : GMRS-PRO

Hong Jin Cycle

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