User Manual
Handheld Two Way Radio
Model：HC-216V
Brand：Havoc
FCC ID:WRYHC-216V

Contents

Introduction

Thank you for buying handheld two way radio HC-216V.

It is convinced that you will be satisfied with compact designing, great stability and fashionable of HC-216V which meets every walk of life needs.

For using professional, commercial or amateur frequency, you need to apply for using permission from Radio Management Institution of the province, city or autonomous region .

Please read this manual before using.

Unpacking and Checking Equipment

Welcome to use radios, before using we suggest you:
- Please check the packing box of this product and see if there are any signs of damage.
- Please open the packing box carefully. We recommend that you identify the items listed in the following packing list. If you find that our product and its accessories in handling are lost or damaged during the shipment. Please contact dealers immediately.

Parts List

Item	Quantity
Antenna	1
Li-ion Battery Pack	1
Desktop Charger	1
Power Adapter	1
Belt Clip	1
User Manual	1
Hand Strap	1

Preparation

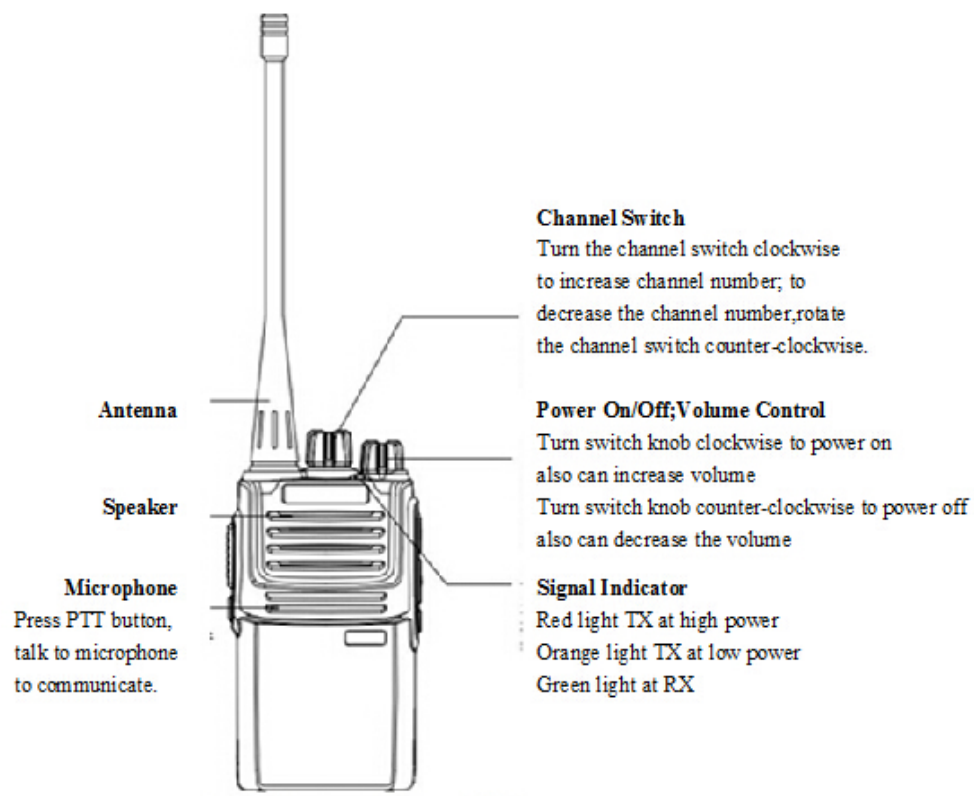**Precautions of Charging Battery**
- Never alter the AC cord or plug provided with the unit. If the plug will not fit the outlet, have the proper outlet installed by a qualified electrician. An improper condition can result in a risk of electric shock.
- Before charging , please power off the radio. For keeping normally charging and ensure the communication effect, please prevent using the radio when it is being charged.

After the battery is fully charged (about 3hours for charging time),   Light turns green.

Status	Indicator
Power Connected	Orange light is on about 2S then goes out
No battery(temperature end judges)	Green light is on
Normally Charge	Red light is on
The battery is fully charged	Green light is on
Fault(love temperature ,battery short circuit or over discharge state	Red light flashes

Getting   Acquainted

Channel Switch
Turn the channel switch clockwise
to increase channel number; to
decrease the channel number,rotate
the channel switch counter-clockwise.

Antenna

Power On/Off;Volume Control
Turn switch knob clockwise to power on
also can increase volume
Turn switch knob counter-clockwise to power off
also can decrease the volume

Speaker

Microphone
Press PTT button,
talk to microphone
to communicate.

Signal Indicator
Red light TX at high power
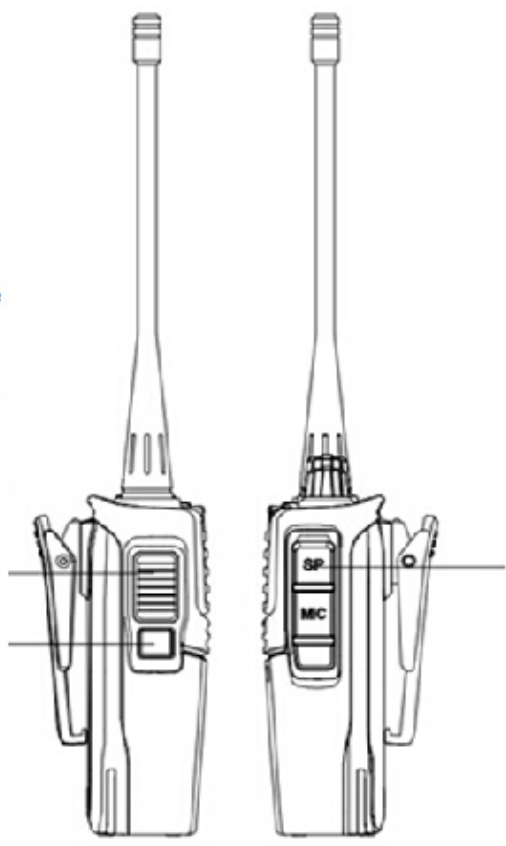Orange light TX at low power
Green light at RX

PTT

Press PTT and face to microphone talking
1)Please make the distance between your lip and microphone at 2.5-5cm, and talk as usual to get the best voice quality.
2)Press and hold PTT, LED red light is on.
3)Release PTT to receive information

Monitor/ Side-Key SK1

Short press SK1 to turn on the squelch,monitor the current frequency/channel be occupied or not, if it is free channel/frequency you can hear "hua"sound

Installing Earphone /Microphone/ /Programming Jack

Insert earphone into earphone holes for RX/TX, insert the programming cable to operate.

Software Setting

Radio Information

	Function Setting	Illustration
1	CTCSS setting	None/ CTCSS/DCS
2	DCS Non-Standard	60Hz--265Hz/D001N--D777I
3	Power	2W
4	Band	12.5KHz
5	Scan Add/Delet	On scan mode, only scan the added channel
6	BCLO Lock	Active BCLO Lock, if the current channel be used, radio not allowed to TX.

Optional Function

	Optional Function	Illustration
1	TOT	Allowable time of continuous TX.
2	Beep of Power On	None/Beep1-7
3	Squelch Level	Level0 To Level9
4	Voice Notification	Chinese/ English/ None
5	Power Save Mode	Eight power save modes available

6	VOX	Active VOX,TX without pressing PTT button
7	VOX gain level	Control VOX sensitivity level, the higher value the higher sensitivity
8	VOX delay time(S)	Avoid TX without the last words
9	Beeper of Power On	You can hear the beeper when radio power on
10	"Hua" Sound	Rotate switch will hear a "beep" sound, if turned on voice prompts, voice priority.
11	Tail Elimination	Eliminate the fistle from the end of TX
12	Low Battery Voice Report	You can hear the sound of please charge the battery .
13	Beep for low battery	Radio will make a "beep" sound at 10S intervals
14	Channel 16 automatically scanning	Radio will be on automatically scanning status when it is rotated to channel 16
15	TX Finis Tone	Radio will make "Du" sound when TX finish

Side-Key SK1(Long Press) Defined Function

Side-Key SK1(Long Press)have below defined functions by operating programming software):

	Defined Function	Illustration
	None	Undefined
	Scan	Long press SK1to scanning status, the scanning goes around in a circular manner from channel1 to 16.
	Local Alarm	Long press SK1to alarm status, the speaker make alarm sound.
	Remote Alarm	Long press SK1to alarm status, the speaker make alarm sound and TX alarm signal to corresponding frequency and channel.
	Battery Status	Long press SK1, voice announce the status of battery power.

Remark： This Side-KeySK1(short press) defaults to monitoring function, editing is not available.

Embedded Information

This function allows to the storage of information in radio, which contains up to16letters or numbers or Chinese characters. This information can be used as an electronic serial number, identification of program file name, assets ID. Please enter the required information directly.

Standard Technical Specification

General Specification	
Model No(D/N)	HC-216V
Frequency range	UHF：136-174Mhz
Output Power	2W
Channel	16 Channels
Channel Spacing	12.5Khz
CTCSS/DCS	50 CTCSS/105DCS
Antenna Impedance	50 Ω
Working Temperature	-20℃ to +50 ℃
Working Voltage	DC3.7V
Battery Type	Li-ion battery
Dimension(without Antenna)	115.5(H)×57.5(W) ×38.5（D）mm
Weight(with Antenna& Battery)	About 180g

WARRANTY CARD

Contact：_____

Company Name：_____

ADD：_____   **Post Code**：_____

TEL：_____   **MP**：_____

FAX：_____   **EMAIL:**_____

Ordered ：_____   **Model**：_____

Ordered NO：_____   **Purchased Date**：_____

S/N：_____   **EAN**：_____

Warranty Card No.：_____

Trouble Description：_____

_____

_____

Terms of Warranty：

1.This warranty is provided only for product purchased from authorized dealer of Juston Electronic Equipment Co.,LTD(hereinafter called).

2.Warrants this product to be free from manufacture's defects for a specified period.

3.Within the specified warranty period, will repair or replace non consumable parts(excluding casing, accessories,batteries,cable and consumable)that are damaged under normal use(by judgement of)at no additional charge.

4.The warranty will not be covered under the following conditions.

A) Out-of-warranty products.

B) The product is modified without approval.

C) Obvious attack of appearance whatever it is.

D) The products is subjected to unusual physical or electrical stress, including physical damage, burnt components and broken connectors, watered radio.

E) The serial number label is removed or altered.

5. This warranty card must be presented together with dealer's invoice when the defective product free warranty during the warranty period.

6. The customer is responsible for returning the defective product at his own expense.

7.Your warrant period is calculated from the date of invoice of this product.

Fujian Juston Electronic Equipment Company has the right of final explanation.

SAFETYTRAINING INFORMATION

Your EKL Imports radio generates RF electromagnetic energy during transmit mode. This radio is designed for and classified as "Occupational Use Only", meaning it must be used only during the course of employment by individuals aware of the hazards, and the ways to minimize such hazards. This radio is NOT intended for use by the "General Population" in an uncontrolled environment.

This radio has been tested and complies with the FCC RF exposure limits for "Occupational Use Only". In addition, your EKL Imports radio complies with the following Standards and Guidelines with regard to RF energy and electromagnetic energy levels and evaluation of such levels for exposure to humans:

FCC OET Bulletin 65 Edition 97-01 Supplement C, Evaluating Compliance with FCC Guidelines for Human Exposure to Radio Frequency Electromagnetic Fields.

American National Standards Institute (C95.1-1992), IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz.

American National Standards Institute (C95.3-1992), IEEE Recommended Practice for the Measurement of Potentially Hazardous Electromagnetic Fields– RF and Microwave.

The information listed above provides the user with the information needed to make him or her aware of RF exposure, and what to do to as-sure that this radio operates with the FCC RF exposure limits of this radio.

Electromagnetic Interference/Compatibility

During transmissions, your EKL Imports radio generates RF energy that can possibly cause interference with other devices or systems. To avoid such interference, turn off the radio in areas where signs are posted to do so. **DO NOT** operate the transmitter in areas that are sensitive to electromagnetic radiation such as hospitals, aircraft, and blasting sites.

Occupational/Controlled Use

The radio transmitter is used in situations in which persons are exposed as consequence of their employment provided those persons are fully aware of the potential for exposure and can exercise control over their exposure.

Attention:
This radio complieswith IEEE and ICNIRP exposure limits for occupational/controlled RF exposure emvironment at operating duty factors of up to 50% and is authorized by the FCC for occupational use only. An appropriate warning lable is affixed to all units. In order to comply with RF exposure requirements, a minimum distance of 2.5cm must be maintained when held-to-face, and body-worn operations are restricted to the approved original acessories (belt clip).
Do not use this device when antenna shows obvious damages