

# User Manual

**ZODIAC D-ONE BT**



## ICON DESCRIPTION

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### Function Distinction Icon



: Indicates a function unique to the digital mode, which can only be used on the digital channel.



: Indicates the unique function of the analog mode, which can only be used on the analog channel.

Functions not distinguished by icons are available on both digital and analog modes.

## TERM DESCRIPTION

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### Key operation

**Short press:** press and quickly release

**Long press:** press and hold for a moment

**Press and hold:** keep pressing the key

**Single call:** it is a call made to a specific user (Optional)

**Group call:** it is a call made by a user to all users in the group (Optional)

**All call:** it is a call made by a user to all other users on the channel

**Squelch** - this technology can filter out excessive background noise to solve the problem of call quality and noise.

## INTRODUCTION

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### IMPORTANT

**READ ALL INSTRUCTIONS** carefully and completely before using the radio.  
**SAVE THIS INSTRUCTION MANUAL** – This radio manual contains important operation instructions for the D-ONE BT.

### PRODUCT SAFETY AND RADIO FREQUENCY RADIATION FOR HANDHELD RADIOS

Before using this radio, please carefully read the operating instructions for the safe use of the radio in the product safety and radio frequency radiation manual supplied with the product.

**Notice!** This radio is limited to occupational applications that meet CE RF energy exposure requirements. Before using this radio, please carefully read the relevant RF energy information and safe operation instructions in the product safety and RF exposure manual provided with the product to ensure compliance with RF energy radiation limit standards.

### PRECAUTIONS

**WARNING! NEVER** hold the radio so that the antenna is very close to/or touching exposed parts of the body, especially the face or eyes while use radio. The radio will perform best if the microphone is 5-10 cm (2 to 4 inches) away from the lips and the radio is vertical.

**WARNING! NEVER** operate the radio with a headset or other audio accessories at high volume levels.

Hearing experts advise against continuous high-volume operation. If you experience a ringing in your ears, reduce the volume or discontinue use.

**NEVER** connect the radio to a power source that is DC fused at more than 5A. Accidental reverse connection will be protected by this fuse, but higher fuse values will not give any protection against such accidents and the radio will be ruined.

**DO NOT** push the PTT when not actually desiring to transmit. Place the unit in a secure place to avoid inadvertent use by children.

**DO NOT** operate the radio near unshielded electrical blasting caps or in an explosive atmosphere.

**AVOID** using or placing the radio in direct sunlight or in areas with the temperatures below  $-40^{\circ}\text{C}$  ( $+14^{\circ}\text{F}$ ) or above  $+60^{\circ}\text{C}$  ( $+140^{\circ}\text{F}$ ).

The use of non Zodiac D-ONE BT battery /chargers may impair radio performance and invalidate the warranty.

Even when the radio power is OFF, a slight current still flows in the circuits. Remove the battery from the radio when not using it for a long time, otherwise the battery will become exhausted.

## **INCLUDED IN YOUR PACKAGE**

The box contains the following items. If any items are missing or damaged, please contact the dealer where you purchased the product.

1. Dualband antenna
2. Beltclip
3. Battery pack
4. Handstrap
5. AC/DC adaptor
6. Desktop charger
7. User manual

# PREPARATION

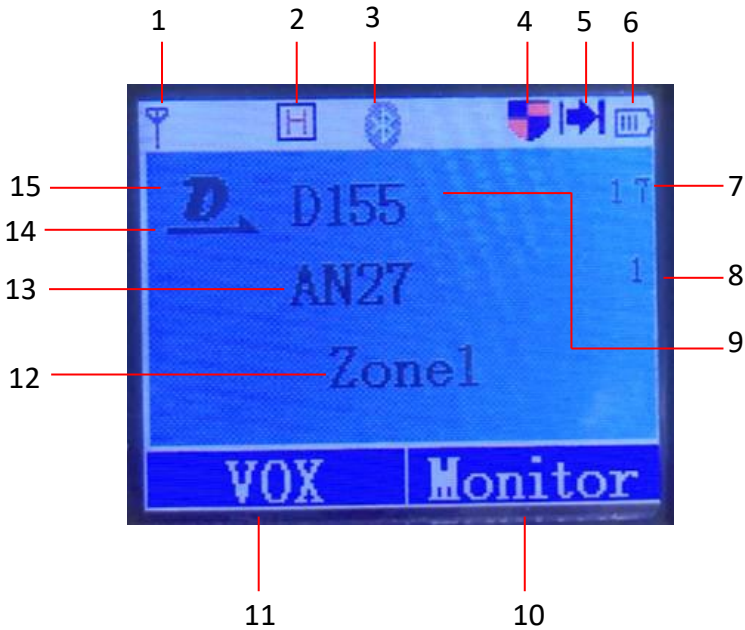
## OVERVIEW




### Zodiac D-ONE BT



No.	Items	No.	Items
1	Antenna	11	Return Key/Back Key
2	Speaker	12	PK2 (Not in use)
3	Microphone	13	FK1 (Band selector)
4	LCD Display	14	FK2 (Scan ON/OFF)
5	MENU/ Enter Key	15	FK3 (Battery status)
6	P1 key (Not in use)	16	SK1 (Keylock ON/OFF)
7	Channel Knob	17	PTT Key
8	ON/OFF/Volume Knob	18	SK2 (Squelch)
9	LED Indicator	19	SK3(Zonelist)
10	Navigation Keys [▲][▼][▶][◀]	20	Accessories Jack

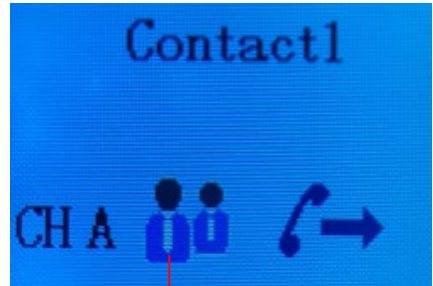
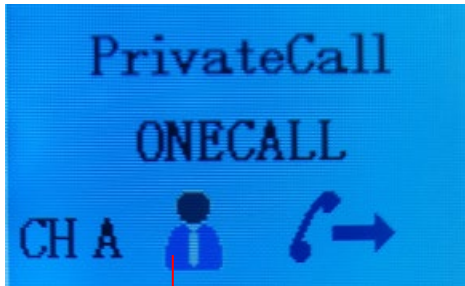
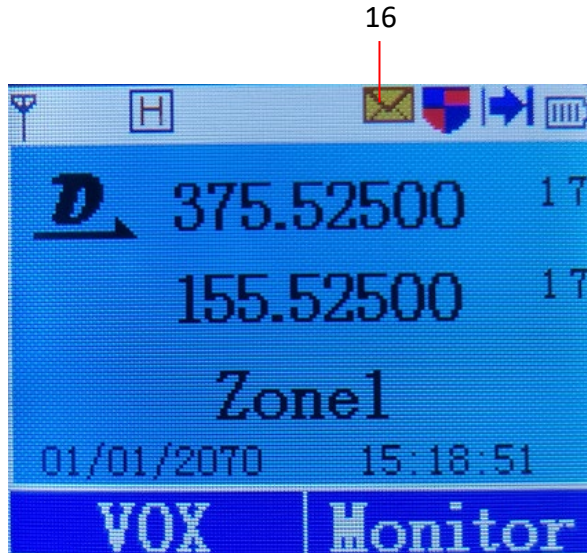
## LCD DISPLAY



No.	Function	Description
1	Receiving signal strength bar	The number of displayed signal strength bars indicates the received signal strength, more bars stronger.
2	Power level	H: high output power setting L: low output power setting
3	Bluetooth	Indicate Bluetooth icon when turn on
4	Digital channel indication	Indicates that the current channel type is digital channel
5	Working mode    Direct      Repeater	Direct mode: TX and RX same frequency Repeater mode: TX and RX difference frequency.
6	Battery power	The number of power bars (0-4) shows the remaining power in the battery
7	Channel number	The current channel No. of the primary

		channel member;
8	Channel number	The current channel number of the secondary channel member
9	Channel name (Channel mode) or frequency (Frequency mode)	The current channel name (Channel Mode) or frequency (Freq Mode) of the primary channel member
10	P2 function display	The currently selected function item of the programmable key P2 (Not in use)
11	P1 function display	The currently selected function item of the programmable key P1 (Not in use)
12	Zone display	display the name of the current zone
13	Channel name (Channel mode) or frequency (Frequency mode)	The current channel name (Channel Mode) or frequency (Freq. Mode) of the secondary channel member
14	Channel display	The primary channel indicated, and the channel in the other line is the secondary channel
15	Channel type	A: the channel type is analog channel; D: the channel type is digital channel.

## LCD Display - digital mode display



No.	Function	Description
16	SMS	Not in use
17	Single call	indicates that a single call is in progress
18	Group call	indicates that a group call is in progress



## BASIC OPERATION

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### Turn On Power

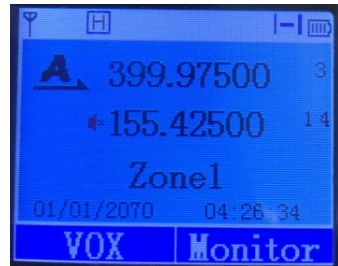
Rotate the power switch/volume control knob clockwise until you hear a "click" sound and a short beep. At this time, you will see the radio LED indicator flashes green and the screen lights up.

#### Note:

- 1) If all LED indicators are disabled, the screen will not light up during power-on. A short beep will sound to indicate that the power-on test is successful.  
If the radio beep sound is disabled, there will be no power-on sound. To turn off the intercom, turn the power knob counterclockwise until you hear a "click" sound.

### Single Frequency Receiving Mode

Under the normal mode, and the signal of another channel can be shielded by short pressing the **[Back]** key. At this time, a red speaker symbol will appear before the name of another channel. After that, the channel cannot receive any signal, and the radio only works on the main channel. Press the **[Back]** key again resume signal reception.



### Digital / Analog Icon

In the standby mode, the digital channel is represented by a black **[D]** icon, and the analog channel is represented by a black **[A]** icon. When the carrier is received, there will be a green speaker icon before the corresponding channel name; when the **[D]/[A]** icon turns green, it means that the channel is using and becomes a temporary main channel. Press **[PTT]** key at this time to initiate a call on the using channel. The suspend time can be set by "channel suspend time" on the frequency writing software.

## Volume Adjustment

Turn the power /volume knob clockwise to increase the volume of the radio and turn the knob counterclockwise to decrease the volume.

## TRANSMITTING & RECEIVING

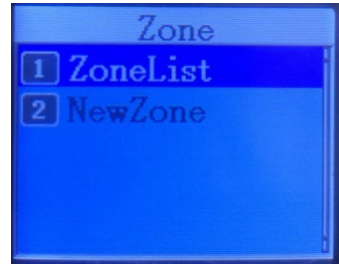
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### Zone Selective

A zone is a channel group. This radio can support up to 250 zones and each zone can add up to 128 channels, each of which occupies 64 channels for uplink and downlink.

#### Menu operation:

1. Press **[MENU]** key enter menu mode;
2. Press Navigation Keys to “Zone”, press **[MENU]** key enter Zone list;
3. Display the current Zone, and display the Zone name, choose the Zone you want to use.
4. Press **[MENU]** key enter it and press ON to confirm the Zone, The screen display “XXX Selected” and return to standby status.



### Receiving & Reply a Call

**All Call** -- All call is a call from an individual radio to all radios on the channel. It is used to issue important announcements that require special attention from users.

No	All Call
1	LED indicated green light;
2	The Top line of Screen display icon RSSI, and the display area below the top line: First line displays <b>all call</b> ; Middle line displays <b>user ID or name</b> ; Bottom line displays <b>icon of all call</b>

	(for Digital mode only)
3	Hold the radio in a vertical position and keep a distance of 2,5 to 5 cm ( 1 to 2 inches) from your mouth; If the "Channel Idle Prompt Tone" function is enabled, when the radio releases the [PTT] button, you will hear a short beep, indicating that the channel is free, and waiting for your answer;
4	<b>Note:</b> When receiving an all call, if you switch to another channel, the radio will stop receiving the all call. During a all call, you will not be able to use any pre-programmed buttons until the call ends.

### Transmitting under Analog Channel

On the analog channel, press the [PTT] key to transmitting and release the key to receiving.

**All Call** -- All call is a call from an individual radio to all radios on the channel. It is used to issue important announcements that require special attention from users.

No	All Call
1	LED indicated green light;
2	The Top line of Screen display icon RSSI, and the display area below the top line: First line displays all call; Middle line displays user ID or name; Bottom line displays icon of all call (for Digital mode only)
3	Hold the radio in a vertical position and keep a distance of 1 to 2 inches (2.5 to 5.0 cm) from your mouth; If the "Channel Idle Prompt Tone" function is enabled, when the radio releases the [PTT] button, you will hear a short beep, indicating that the channel is free, and waiting for your answer;
4	After the finished all call communication, the radio returns to the screen before receiving the all-call.

<p><b>Note:</b> When receiving an all call, if you switch to another channel, the radio will stop receiving the all call. During a all call, you will not be able to use any pre-programmed buttons until the call ends.</p>
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## BLUETOOTH

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The Bluetooth setting includes Bluetooth switch and connection.



Note: Only when the Bluetooth switch is turned on and connected to the Bluetooth device, then have a Bluetooth connection item in Menu.

### Bluetooth Switch

1. Press [MENU] enter menu/ utilities/ settings and press [Up]/[Down] key to find the Bluetooth.
2. Press [MENU] confirm selection, it will turn on Bluetooth, the screen display Bluetooth ON. The radio will search Bluetooth device

automatic and display a gray icon . When the screen show connect Bluetooth success, the Bluetooth device is connected. You can press [MENU] key to turn off Bluetooth function and the screen will display it off.

### Bluetooth Connection

1. Press [MENU] enter menu/ utilities/ settings and press [Up]/[Down] key to find the Bluetooth connection;
2. Press [MENU] confirms selection. The radio will connect Bluetooth device when select Bluetooth connection. The screen will display “Bluetooth connected”, the Bluetooth icon will be blue color. Or press [MENU] to select off, it will turn off Bluetooth connection, and the screen display Bluetooth connection cancellation.

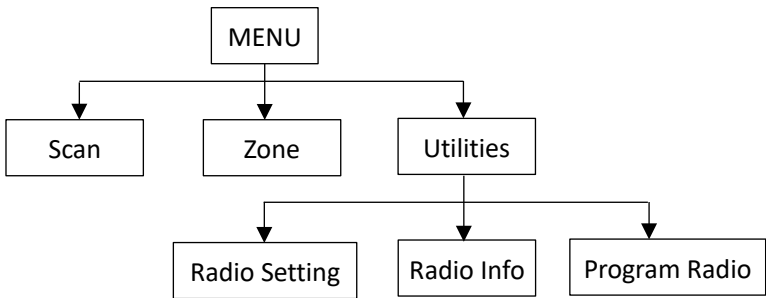
# MENU

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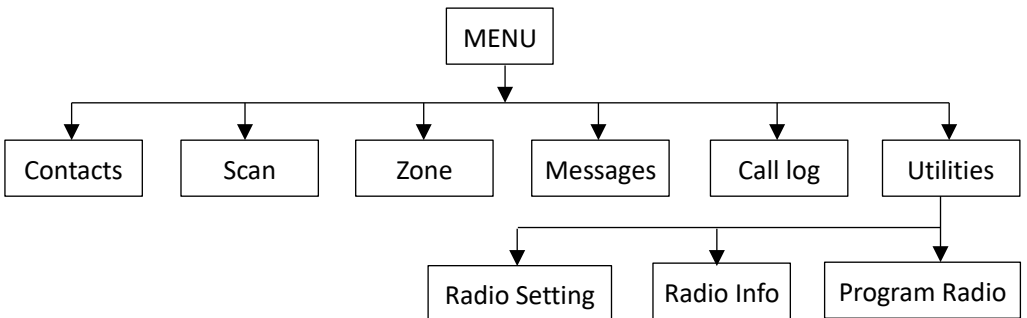
## How to Use the Menu


1. Press the **[MENU]** key to enter the menu mode, and then press the **[◀]/[▶]/[▼]/[▲]** to access the menu functions;
2. Press **[MENU]** to select a function or enter a submenu;
3. Press the **[back]** key to return to the previous menu.

## Menu of Analog Mode



## Menu of Digital Mode




 **Note:** After a period of inactivity, the radio will automatically exit the menu and return to the main screen (the suspension time is set by the programming software).

## FUNCTIONS OF MENU

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### Scan

When scanning is started, your radio will cycle through the pre-programmed scan list to check whether there is signal activity on the current channel. The LED indicator flashes red light, and the scan icon  appears on the screen, when scanning is disabled, the LED indicator is off and the scanning icon is not displayed.

During dual-mode scanning, if you are on a digital channel and your radio locks an analog channel, it will automatically switch from digital mode to analog mode for the entire duration of the call, and vice versa.

There are two scanning methods:

- **Manual Scan** -- Start the scan according to the pre-programmed scan on key or menu function. When the scan is started, the radio will detect all channels/ communication groups in the present scan list.
- **Auto Scan** -- When you select a channel/ communication group that has activated auto scan, the radio starts scanning from the channel where auto scan is activated.

### Active and Stop Scanning

Press the pre-programmed scan on/off key or enter the MENU to turn on/off the function.

## Scan Reply

When the radio detects an active channel/ communication group during scanning, the radio stays in the channel/ talk group, during the pre-programmed time limit. In this time, you can press [PTT] key to reply on that channel, the light will indicate red light. Release the key to receiving. If you do not respond within the suspend time, the radio will continue to scan.

## Scan List


Create scan lists and assign them to a single channel/ group. Your radio can support up to 500 scan lists, each with a maximum of 31 members. Each scan list supports a mix of analog and digital channels. You can add/delete channels or set priority for channels by editing the scan list.





**Note:** Each scan list can be set to 2 priority channels.

After entering the scan menu, press the [▶][◀] keys to enter "View List" to check each channel in the scan list.

If the channel was set priority, the priority icon is displayed on the left side

of the member alias, indicating that the member is a priority 

channel or priority  channel. If the priority is set to  none, the priority icon is not displayed. There cannot be multiple priority 1 or priority 2 channels in a scan list. You can also delete the corresponding member through the delete option.



**Note:** You can also add a new channel to the current scan list through the add channel option "Add CH" in the scan menu.

## Zone

A zone is a channel group. This radio can support up to 250 Zone and each Zone can add up to 128 channels, each of which occupies 64 channels for uplink and downlink.

## Contacts

The address book provides a "Contacts" for the handheld radio. Each entry corresponds to an alias or ID used to initiate a call. In addition, each entry is related to one of the three types of calls according to the setting content: group call, single call, and all call. Your radio supports digital address book "Contacts".

## Radio Info

The radio contains the following information:

- Local number

Including the list of the local number and the intercom number, there are 3 intercom numbers preset by the frequency writing software for selection and editing of the intercom numbers.

- Radio version {firmware version, CP version}

Note: Press the [back] key at any time to return to the previous screen.

After entering my number, you can view the own radio number, view contacts number, and edit the own radio number.

## View the name of the radio



1. Press the [MENU] key to enter the menu/ utilites/ settings.
2. Press the [up and down] keys to set, and then press the [MENU] key to select.
3. Press the [up and down] keys to reach the radio information, and then press the [MENU] key to select.



4. Press the [up and down] keys to the number of the phone, and then press the [MENU] key to select "View?".
5. The screen displays the name and number of the radio.

### List of contacts numbers



1. Press the [MENU] key to enter the menu mode.
2. Press the [up and down] keys to set, and then press the [MENU] key to select.
3. Press the [up and down] keys to reach the radio information, and then press the [MENU] key to select.
4. Press the [up and down] keys to the number of the phone, and then press the [MENU] key to select.
5. Press the [up and down] keys to the list of intercom numbers, and then press the [MENU] key to select.
6. Press the [MENU] key to select the new radio number.
7. The screen displays the corresponding radio number, and then returns to the previous menu.

### Program Radio

The radio configuration is mainly to edit the content of the channel.

Editable channel content includes:

- Time Out Timer
- CTCSS
- Color Code
- Time Slot
- VOX
- Tx Contacts
- Group List
- Mic Level

## Time out Timer

This function is used to limit the user's over-time transmission on the channel and to avoid the radio damaged caused by long time transmission.

After entering the "MENU" and selecting this function, the screen displays infinity, 15S, 30S... 60S and other options (incremented by 15s), press the [up] and [down] key to the corresponding option, and then press the [MENU] key to select, if the selection of infinity, the screen will display the transmission time limit closed, if select other, the screen will display".. S" is selected.

## CTCSS



The CTCSS can only be set under the analog channel, including:

- CTC encoding/decoding

## Color code



The color code can only be set under the digital channel.

1. Press the [MENU] key to enter the menu mode.
2. Press the [up and down] keys to utilities/ settings, and then press the [MENU] key to select.
3. Press the [up and down] keys to configure the radio, and then press the [MENU] key to select.
5. Press the [up and down] keys to select the color code value to be set, and then press the [MENU] key to select. The screen displays X (the selected color code value) is selected.

## Time slot



The time slot can only be set under the digital channel.

1. Press the [MENU] key to enter the menu mode.
2. Press the [up and down] keys to utilities/ settings, and then press the [MENU] key to select.

3. Press the [up and down] keys to configure the radio, and then press the [MENU] key to select.
4. Press the [up and down] keys to select the time slot value to be set, and then press the [MENU] key to select. The screen shows that X (the selected time slot value) is selected.

## **VOX**

1. Press the [MENU] key to enter the menu mode.
2. Press the [up and down] keys to utilities/ settings, and then press the [MENU] key to select.
3. Press the [up and down] keys to configure the radio, and then press the [MENU] key to select.
4. Press the [up and down] keys to select the VOX level value to be set, and then press the [MENU] key to select. The screen shows that X (the selected VOX level value) is selected.

Note: The voice-activated VOX level setting is applicable to all channels.

## **Launch Contact (Tx Contacts)**

The transmission contact can only be set under the digital channel.

1. Press the [MENU] key to enter the menu mode.
2. Press the [up and down] keys to utilities/ settings, and then press the [MENU] key to select.
3. Press the [up and down] keys to configure the radio, and then press the [MENU] key to select.
4. Press the [up and down] keys to select the transmission contact to be set, and then press the [MENU] key to select. The screen shows that the transmission contact has been selected.

## **Group List**

The group call list can only be set under the digital channel.

1. Press the [MENU] key to enter the menu mode.
2. Press the [up and down] keys to utilities/ settings, and then press the [MENU] key to select.

3. Press the [up and down] keys to configure the radio, and then press the [MENU] key to select.
4. Press the [up and down] keys to select the receiving group call list to be set, and then press the [MENU] key to select "Apply". The screen shows that the group call list has been selected.

### **Microphone Level**

Digital microphone level: you can set the sensitivity of the microphone during digital voice calls.

Analog microphone level: you can set the sensitivity of the microphone during analog voice calls.

Note: The microphone level setting is applicable to all channels of the same type (digital/analog).

## **Radio Setting**

### **Tones / Alerts**

When the transponder is not working, or when the intercom is outside the range of the transponder but within the call range of other intercoms, you can continue to communicate. This is the so-called "off-net".

Contains the following options:

- All Tones
- Talk Permit
- Keypad Tones

All tones

If necessary, you can enable or disable all radio tones and prompts (except for incoming emergency prompts).

### **Power**

You can set the radio power level of each channel to high or low.

Settings: High power to achieve communication with radios at relatively long distances. Low power realizes communication with nearby radios.

Press the pre-programmed high/ low power selection key to switch the transmit power level between high/ low.

## Backlight

Contains the following options:

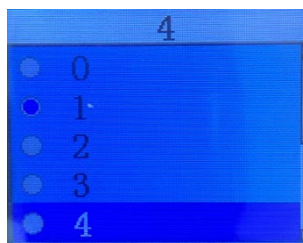
- **Backlight time** -- The screen displays normally open, 5S, 10S, 15S options, press the [MENU] key to select normally open, the screen backlight will remain on and will not turn off, or if you select 5S, 10S, 15S, the screen will have nothing to do with the user after the corresponding time Turn off the screen backlight under the premise of operation.
- **Backlight level** -- There are 1, 2, and 3 backlight brightness levels to choose from, 1 is the darkest and 3 is the brightest. Users can set according to their own needs.

You can turn on or off the screen backlight of the radio according to your needs. This setting also affects the menu keys and keyboard backlight.

## Squelch

You can adjust the squelch level of the radio to filter useless calls with low signal strength or channels with higher background noise.

The higher number, the more suppress.

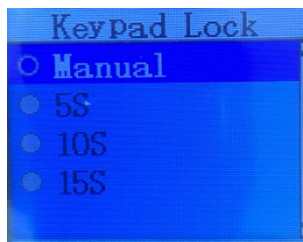


## Keypad Lock

You can lock the keyboard of the radio to prevent accidental key input. The methods include manual keyboard lock and automatic keyboard lock. The automatic keyboard lock includes three different time options of 5S, 10S, and 15S.

When selecting manual lock, you need to press and hold the SK1 key to lock the keyboard.

When you select 5S, 10S, or 15S, the screen displays the corresponding time, and then when the user does not operate the keyboard within the



corresponding time, the screen display is locked and the main screen is returned.

Press and hold the SK1 key to unlock the keyboard.

## **Language**

The radio supports the following language display:

- English
- Swedish

## **LED Indicator**

If needed, you can turn On or Off the LED indicator.

If the LED indicator is disabled, the keys and keyboard backlight will automatically turn off.

## **VOX**

This feature allows you to initiate hands-free voice activated calls on a programmed channel. Whenever the microphone on the accessory with VOX function detects the voice, the radio will automatically transmit the signal within the programmed time period.

## **Mode**

Mode settings are divided into:

- Channel mode
- Frequency mode

When the user selects the channel mode or frequency mode, and then presses the [MENU] key to confirm the option, the screen shows that this mode is selected.

The main interface will display the channel name or frequency (receiving frequency) according to the selected mode.

## Private Call Match



On: When the digital channel receives a single call, the ID matching is required to receive the single call voice.

Off: When the digital channel receives a single call, the voice of the single call can be received without matching the ID.

## Group Call Match



On: When the digital channel receives a group call, the group call ID needs to be matched to receive the group call voice.

Off: When the digital channel receives a group call, the group call voice can be received without matching the group call ID.

## Menu Hang Time

After entering the menu list, there is no operation to start timing, and the menu suspend time is up, then it will automatically exit the menu interface and return to the main interface. If you select "suspend", there will be no timing, you need to manually return to the main interface after entering the menu.

## Tx Mode

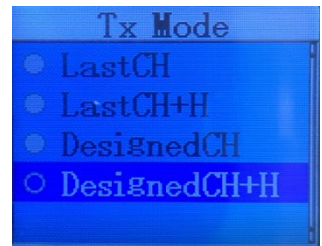
1) LastCH (Last active channel): During active voice transmission, only the frequency of the last call channel is transmitted.

2) LastCH+H (Last active channel + suspend): When active voice transmission, the frequency of the suspended channel will be transmitted first.

If there is no currently suspended channel, the frequency of the last active channel will be transmitted.

3) DesignedCH (Selected channel): Only the selected main channel is used for active voice transmission.

4) DesignedCH+H (Selected channel + Suspend): When active voice transmission, the frequency point of the suspended channel will be



transmitted first, if there is no suspended channel currently, it will be transmitted according to the selected main channel.

## **Bluetooth**

Select BT Switch.

On: When selected, the BT function starts to search for BT accessory to pair with. After successful pairing the BT-symbol is turning from grey to blue.

Off: When selected the BT function is deactivated.

BT Link: When BT Link OFF is selected, the connection with BT accessory would be temporary disconnected, until ON is selected.

Microphone: When Radio is selected the microphone in the radio is activated. When BT is activated the microphone on the BT accessory is activated.

Bandselector

On: Both 155 and 31 MHz band is activated.

Off: Only one band is activated

## **TECHNICAL SPECIFICATION**

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<b>GENERAL</b>	
Working Voltage	7.4V
Battery Capacity	2000mAh
Working Time (5:5:90)	Analog: 10 Hours Digital: 14 Hours
Standby Time	27 Hours
Dimension	137mm*59mm*36mm
Weight w/battery & antenna	About 333g
LCD Display	1.77 Inch



Working Temperature	-25°C ~ +60°C
Storage Temperature	-40°C ~ +85°C

<b>ANALOG/ DIGITAL</b>	
Frequency Range	136-174MHz 27-33MHz
Channels	3000
Channel Spacing	12.5kHz/25KHz (Analog) 12.5kHz (Digital)
Frequency Stability	+/- 1.5ppm

## TECHNICAL SPECIFICATION


<b>RECEIVING</b>	
Sensitivity (Analog)	0.35uV/-116dBm (20 dB SINAD) 0.22uV/-120dBm(typical)
Sensitivity (Digital)	0.3uV/-117.4dBm (BER 5%) 0.7uV/-110dBm (BER 1%)
Intermodulation	TIA603C: 55dB ETSI: 55dB
Adjacent Channel Selectivity	TIA603C: 55dB@12.5KHz
	ETSI: 55dB@12.5KHz
Co-channel Suppression	12dB@12.5KHz
Spurious Response Suppression	TIA603C: 65dB ETSI: 65dB
RX Spurious Radiation	- 57dBm@ < 1GHz - 47dBm @> 1GHz
Block	80dB
Rated Audio Power	1W
Audio Response	+ 1dB ~ - 3dB
Rated Audio Distortion	<=3%

<b>TRANSMITTING</b>	
TX Output Power	Low: 1W, High: 5W
FM Noise	- 40dB@12.5KHz
Emission of Stray Radiation	-36dBm@<1GHz, -30dBm@>1GHz
Adjacent Channel Power	-60dB@12.5KHz
FM Modulation	12.5KHz: 11K0F3E 25KHz: 16K0F3E
4FSK Digital Modulation	12.5KHz (data only): 7K60FXD
	12.5KHz (data + voice): 7K60FXE
Modulation Limit	2.5KHz@12.5KHz

## TECHNICAL SPECIFICATION

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Idle Time Slot Power	-57dBm
Audio Response	+ 1dB ~ - 3dB
Rated Audio Distortion	<=3%
Digital Protocol	ETSI TS 102 361-1, -2, -3
Digital Voice Codec	AMBE + 2™

 Note: The above specifications are tested in accordance with applicable standards.

Due to the continuous development of technology, the above indicators and data are subject to change without notice.

# CHANNEL PLAN

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## ANALOG CHANNELS 31 MHz

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
K1	30.930	K16	31.200	K31	31.170
K2	31.040	K17	31.210	K32	31.230
K3	31.050	K18	31.220	K33	31.240
K4	31.060	K19	31.250	K34	31.280
K5	31.070	K20	31.260	K35	31.290
K6	31.080	K21	31.270	K36	31.300
K7	31.090	K22	31.330	K37	31.310
K8	31.100	K23	31.340	K38	31.320
K9	31.110	*K24	31.570	K39	31.350
K10	31.120	K25	30.940	K40	31.360
K11	31.140	K26	30.950	K41	31.370
K12	31.150	K27	30.960		
K13	31.160	K28	30.970		
K14	31.180	K29	31.030		

K15	31.190	K30	31.130		
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\*Use is required by the "Post & Teletyrelsen".

## ANALOG CHANNELS 155 MHZ

CHANNEL	FREQUENCY
SV 1	155.425
SV 2	155.475
SV 3	155.500
SV 4	155.525
SV 5	156.000
SV 6	155.400
SV 7	155.450
SV 1 PL	155.425 PL 67.0
SV 2 PL	155.475 PL 67.0
SV 3 PL	155.500 PL 67.0
SV 4 PL	155.525 PL 67.0
SV 5 PL	156.000 PL 67.0
SV 6 PL	155.400 PL 67.0
SV 7 PL	155.450 PL 67.0

## DIGITAL CHANNELS 155 MHZ

CHANNEL	FREQUENCY	TS	CC	TG
SV DMR 01	155.418750	1	1	Allcall
SV DMR 02	155.431250	1	1	Allcall
SV DMR 03	155.468750	1	1	Allcall
SV DMR 04	155.481250	1	1	Allcall
SV DMR 05	155.493750	1	1	Allcall
SV DMR 06	155.506250	1	1	Allcall
SV DMR 07	155.518750	1	1	Allcall
SV DMR 08	155.531250	1	1	Allcall
SV DMR 09	155.993750	1	1	Allcall
SV DMR 10	156.006250	1	1	Allcall
SV DMR 11	155.393750	1	1	Allcall
SV DMR 12	155.406250	1	1	Allcall
SV DMR 13	155.443750	1	1	Allcall
SV DMR 14	155.456250	1	1	Allcall

## WASTE OF ELECTRONIC EQUIPMENT

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Electric and electronic equipment can contain substances that are harmful for humans, animals and nature, if not handled properly. Equipment marked with the weee symbol, shall not be thrown together with normal waste, but should be delivered to the community's recovery- or environment stations. Used batteries shall be delivered to recovery- or environment stations for recycling.

(weee = waste of electric and electronic equipment).

## WARRANT

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The warranty from Zodiac covers failures and errors in materials, design and execution in a period of 36 months from the date the equipment was bought. For products with a limited lifetime, as for instance battery, antenna and other accessories, 12 months warranty applies.

A receipt or other proof of purchase is necessary for proper warranty handling. For professional use, other rules apply. If a failure occurs during normal operation of the product, it shall be returned to the dealer where it was originally bought, or an authorized service centre.

All freight costs will be paid by the owner. The equipment must be carefully packed in its original box or similar. Failures that are related to wrong use, wear and tear, overvoltage, moist damage or other damage and repair by unauthorized persons, will not be covered by warranty. The product will then be repaired by payment after the owners order.

# DECLARATION OF CONFORMITY

Zodiac hereby declares that Zodiac D-ONE BT is in compliance with all the essential requirements of RED Directive (2014/53/EU) and RoHs Directive (2011/65/EU).

Subject	Name	Version/Issue	Test Report
<b>Safety</b>	EN IEC 62368-	/	MTWG2207118-S
RED, Article 3.1a	1:2020+A11:2020		
<b>Health</b>	EN 50566:2017	/	MTWG2207118-H
RED, Article 3.1a	EN 62209-		
	2:2010/A1:2019		
<b>EMC</b>	ETSI EN 301 489-1	V2.2.3 (2019-11)	MTWG2207118-E
RED, Article 3.1b	ETSI EN 301 489-5	V2.2.1 (2019-04)	
<b>Radio Spectrum</b>	ETSI EN 300 113	V2.2.1 (2016-12)	MTWG2207118-R
RED, Article 3.2	ETSI EN 300 086	V2.1.2 (2016-08)	MTWG2207118-R1

Notified body: Shenzhen Most Technology Services Co.,Ltd. No.5, 2<sup>nd</sup> Langshan Rd, North District, Hi-tech Industrial Park, Nanshan, Shenzhen, Guangdong, China. Tel: 86-755-8602 6850

Zodiac D-ONE BT can be used in Sweden. Contact your dealer or local telecom authority for information about frequency regulations in your country before use. The declaration of conformity can also be found on our website ([www.zodiac.se](http://www.zodiac.se))

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Rolf Ramberg – CEO

04.08.2023

