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MANUAL
ENGLISH

ZODIAC | D80 BT

PROFESSIONAL RADIO



www.zodiac.se
www.zodiac.no

■ INTRODUCTION

Thank you for choosing a Zodiac radio product. Zodiac D80 BT is a digital and analog professional radio. Please read the manual carefully before you start using the radio, so that you have the necessary knowledge about the various functions.

■ CONTENTS OF THE BOX

- Radio unit
- Rechargeable 2000 mAh Li-Poly battery
- Desktop rapid charger
- Power supply
- Antenna
- Hand strap and belt clip

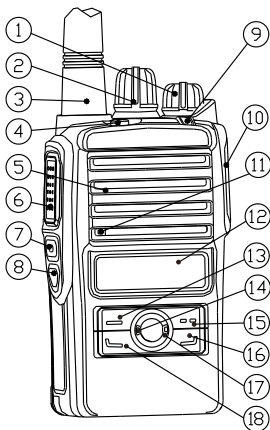
■ ACCESSORIES

Accessories can be found on www.zodiac.no/
www.zodiac.se

■ KEY FEATURES

- 2000 mAh Li-Poly battery
- Built-in Bluetooth
- Volume adjustment
- Encryption*
- Scanning - searches for activity across different communications channels.
- Signal strength indication
- Battery level indicator
- Power output setting H:L
- Alarm*
- Text message*
- IP67 certified and MIL STD 810F. Water and dust protected.

*The radio needs to be programmed with digital channels in order for these functions to work. Your dealer can help you with this.

■ CONTROLS AND INDICATORS

1. On/Off/volume control knob
2. Channel selector knob
3. Antenna
4. Emergency button (programmable)
5. Speaker
6. Push-to-Talk (PTT) button
7. Side button 1 (programmable)
8. Side button 2 (programmable)
9. LED indicator
10. Universal connector for accessories
11. Microphone
12. Display
13. Ok/Menu button
14. 2-way navigation button left
15. Return/home button
16. Front button P2 (programmable)
17. 2-way navigation button right
18. Front button P1 (programmable)

■ TO GET STARTED

Attaching the antenna

1. Turn the antenna clockwise to attach it. To remove the antenna, rotate it counterclockwise.

Attaching the battery

1. While laying flat, slide the battery into the radio. Horizontally push to the top along the aluminum slot, sliding it up until the battery latch clicks.
2. When removing the battery, press down the release button and slide battery down.

Charging the battery

The battery is a rechargeable Lithium-Poly battery. Remove the battery from the radio if the radio is not to be used for a long time. Charge the battery fully before this is done, to preserve the battery's performance in the best possible way. The battery should be stored in a dry and cool place. The battery must not be charged in freezing temperatures. Note! Always use original batteries and original chargers.

1. Plug the adapter's AC connector into the AC outlet socket.
2. Plug the adapter's DC connector into the DC socket on the back of the charger.
3. Place the radio with the battery attached, or the battery alone in the charger.
4. Make sure the battery contact is touching the charging terminals. The charging process begins when the red LED light illuminates.

5. The green LED light will illuminate approximately two and a half hours later, indicating the battery is fully charged.

LED indication	Charging status
LED flashes red slowly	Standby (no charging)
LED glows red	Charging
LED glows green	Fully charged
LED flashes red rapidly	Error

Attaching/removing belt clip

1. Rotate the screws counterclockwise to remove them.
2. Align the screw holes on the belt clip with those on the radio's body. Then insert and tighten the screws clockwise.
3. To remove the belt clip, loosen the screws.

Attaching audio accessory

Open the accessory jack cover. Align the plug with the accessory jack, then connect it.

Accessing the programmed functions

You can access various radio functions on one of the following ways; a short or long press of the relevant programmable buttons or you can do the following.

1. To access the main menu, press the (-) button. To toggle through the menu options, press (<) or (>).
2. To select a function or access a sub-menu press the (-) button.
3. To go back one menu level or return to the previous screen, press the (- -) button. Your radio will exit the menu after a period of inactivity and return to main menu.

■ BASIC OPERATION

Turning On/Off radio

Rotate the On/Off/Volume control knob clockwise until you hear a click.

To turn off the radio, rotate the knob counterclockwise until you hear a click.

Adjusting the volume

After turning the radio on, rotate the radio On/Off/Volume knob clockwise to increase the volume or counterclockwise to decrease the volume.

Selecting a channel

Locate the channel number on the channel knob by rotating it to select the desired channel. While rotating the knob, there is an automatic channel number voice prompt.

Transmitting

Group call: Talk group can be set by the dealer in advance and the operations methods are the same under DMO and TMO mode.

1. Transmitting a group call
 - Select the desired talk group through channel knob.
 - Press down (PTT) key to transmit a group call.










2. Receiving and replying a group call










You can receive the group call without any key operation. If reply is needed, press down (PTT) key after the speech of the other side and then speak to microphone.

Radio LED indicator

LED indication	Radio status
LED solid red	Transmitting the call
LED solid green	Receiving call or the channel is busy
LED flashes orange	Radio is scanning or in analog selcall status
LED flashes red	Low battery or in emergency TX/RX cycle
LED solid orange	Radio powering up. If failed, stay orange all the time

LCD icons

Icon	Description
	Battery indicator. Icon blinks when the battery is low.
	The number of bars displayed represents the radio signal strength and is only displayed while the radio is in receiving mode.
	New message /unread message
	Inbox full
	The text message is sent successfully
	Sending of text message failed
	Indicates a private call in progress
	Indicates a group call or all call in progress
L or H	Radio is set at Low Power (L) or High Power (H)
	Sending of text message is in progress

	Scan feature is enabled
	Priority scan detects activity on channel/group; designated as Priority 1 (if - is blinking) or as Priority 2 (if - is steady)
	Selected channel is being monitored
	Tones are turned off
	Radio is in emergency mode
	The privacy feature is enabled
	The radio is currently configured for direct radio to radio communication
	Bluetooth activated for listening
	Bluetooth activated for two-way communication

Bluetooth

To activate the BT function, go into the menu. Select "Settings/Radio settings/Bluetooth". Under the "on/off" menu, select "On".

For pairing BT accessories, go into the menu. Select "Settings/Radio settings/Bluetooth". Select "on/off", then arrow left and select "Pairing". Activate the pairing function on the device to be connected. Then wait for a message that the pairing is ready.

In the radio's Bluetooth menu, it is also possible to select which microphone should be active. Either the radio's own microphone or the BT unit's microphone. To select the microphone, go into the menu, select "Settings/Radio settings/Blåtand". Then arrow right and select "BT/Radio Mic". Choose between "Radio Mic" and "BT Mic".

To deactivate the BT function, select "Settings/Radio settings/Blue tooth". Under the "on/off" menu, select "Off".

The menu item "BTM gain" can be used to increase or decrease the microphone sensitivity for the Bluetooth device. If the transmitted sound is too low, you can select a higher gain. If the sound is too loud and/or distorted, you can select a lower gain. The default level is 15 and you can switch between level 10, 15, 19 and 22. Lower or intermediate levels are available through dealer programming.

Care and cleaning

Please follow the tips below to ensure optimal performance and longevity of your radio:

- Keep the radio away from substances that can corrode the electronic circuit.
- Do not hold the radio directly by the antenna or headset cable.
- Attach the accessory jack cover when the radio is not in use.
- Clean up the dust and fine particles on the radio surface and desk charger with a clean and dry lintfree cloth or a brush regularly.
- Use neutral cleanser and a non-woven fabric to clean the buttons, control knobs and front case.
- If the radio is dropped into water, remove the battery and rinse in fresh water. Let the radio air dry.

■ CHANNEL PLAN

Analog channels

CHANNEL NAME	FREQUENCY
Riks 1	85.9375
Riks 2	85.9625
Kanal 1	69.0125
Kanal 2	69.0375
Kanal 3	69.0625
Kanal 4	69.0875
Kanal 5	69.1125
Kanal 6	69.1375
Kanal 7	69.1625
Kanal 8	69.1875

CHANNEL NAME	FREQUENCY
Kanal 9	69.60625
Kanal 10	69.63125
Kanal 11	69.65625
Kanal 12	69.68125
Kanal 13	69.70625
Kanal 14	69.61875
Kanal 15	69.64375
Kanal 16	69.66875
Kanal 17	69.69375
Kanal 18	69.71875

Notice!**Kanal 9 - Kanal 18: 12.5 kHz / Narrow**

Notice! The channels may have been changed by your dealer. Please contact your dealer for more information.

■ WASTE OF ELECTRONIC EQUIPMENT

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).



■ WARRANTY

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 D80 BT is in compliance with all the essential requirements of RED Directive (2014/53/EU) and RoHs Directive (2011/65/EU/(EU) 2015/863).

1	EMC	ETSI EN 301 489-1 V2.2.3 (2019-11). ETSI EN 301 489-5 V2.2.1 (2019-4). ETSI EN 301 489-17 V3.2.4 (2020-09).	DG2230825-49991E-02
2	RF	ETSI EN 300 328 V2.2.2 (2019-07). ETSI EN 300 086 V2.1.2 (2016-08). ETSI EN 300 113 V3.1.1 (2020-06).	DG2230825-49991E-22A DG2230825-49991E-22B DG2230825-49991E-22C DG2230825-49991E-22D
3	SAR	EN 62479: 2010 EN 50663: 2017 EM 50566: 2017	DG2230825-49991E-20
4	SAFETY	EN IEC 62368-1: 2020+A11: 2020	DG2230825-49991E-SF

All essential radio test suites have been carried out.

Notified body: Bay Area Compliance Laboratories Corp.
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Guangdong, China. Tel: +86 (0) 769 86858888

Zodiac D80 BT can be used in Sweden, Norway, Denmark and Finland. 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 / www.zodiac.no

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