



**WTA-448**

**Denver.eu**

**06/2022**



## Safety information

Please read the safety instructions carefully before using the product for the first time and keep the instructions for future reference.

1. This product is not a toy. Keep it out of reach of children.
2. Keep product out of the reach of children and pets to avoid chewing and swallowing.
3. Never use old and new batteries or different types of batteries together. Remove the batteries when you are not using the product for a longer period of time. Check the polarity (+/-) of the batteries when inserting them in the product. Wrong positioning can cause an explosion. Batteries are not included.
4. Product operating and storage temperature is from 0 degree Celsius to 40 degree Celsius. Under and over this temperature might affect the function.
5. Never open the product. Repairs or service should only be performed by qualified personnel.
6. Do not expose to heat, water, moisture, direct sunlight!
7. The unit is not waterproof. If water or foreign objects enter the unit, it may result in fire or electric shock. If water or a foreign object enters the unit, stop use immediately.
8. Do not use non original accessories together with the product as this can make the product functionality abnormal.

# PIC 01






PIC 02



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## EN - Instructions for use

### ITEM DESCRIPTION (Pic 01, 02)

1. Antenna
2. RX icon  - displayed during reception  
TX icon  - displayed during transmission
3. Volume level indicator
4. Volume up button ()
5. Continued reception (MON)
6. On/off button ()
7. Volume down button ()
8. Earphone socket
9. Loudspeaker
10. Microphone
11. Menu:  
Enter the menu settings
12. Call button (**CALL**)
13. Keypad lock indicator
14. Battery level indicator
15. Push-to-talk (**TALK**) button
16. VOX indication
17. Scanning indication:  
Displayed in scan mode
18. Channel menu item indication
19. CTCSS/Menu item value
20. Lamp button
21. Scan button
22. Lamp
23. Belt attachment clip
24. Belt attachment
25. Batteries (not supplied)
26. Battery compartment for **AAA-LR03**

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## **BEFORE USE (Pic 02)**

To insert batteries into the device, first remove the belt attachment, lift the belt attachment clip (23) and press the belt attachment upwards (24).

Open the battery compartment (26) and insert AAA batteries (25) (not supplied), ensuring that the poles are correctly aligned. Then close the lid.

## **USING THE TWINTALKER**


1. **Turning the device on/off.** To turn the device on or off, press and hold down the on/off button (6) for 3 seconds until you hear a confirmation beep.
2. **Adjusting the volume.** Press the Up button ▲ (4) to increase the volume and the Down button ▼ (7) to decrease the volume.


Note: The volume level indicator (3) is displayed.

3. **Battery charge level/low battery indication**

The battery charge level is indicated by the number of bars inside the battery icon on the LCD screen.

 Battery full

 Battery 2/3 charged

 Battery 1/3 charged

 Battery empty

When the battery charge level is low, the battery icon will flash, and a beep will sound, indicating that the batteries need to be replaced or recharged.

4. **Receiving/transmitting messages**

The device is in the "Reception" mode when lit up, i.e. it is ready to receive a call or voice transmitted on the chosen frequency.

- When you press the Call button (12), the device switches to the "Transmission" mode, enabling you to transmit a voice signal to the other device.

To send a voice message, press the **TALK** button (15) and speak into the microphone (10). Do not release the button until you have finished transmitting your message.

Hold the microphone at least 5 cm from your mouth.

**Note:**

- The same channel and CTCSS code must be set on the other device (see point 7).

When the transmission is complete and the **TALK** button (15) is released, the other device will emit a sound (beep) to indicate that this device is ready to transmit.

5. **Changing channels**

- Press the **MENU** button (11) once: the current channel number flashes on the display.
- Press the ▲ button(4) or the ▼ button (7)to change the channel.
- Press the **TALK** button (15) to confirm and return to standby mode.

**Note:** If no button is pressed within 15 seconds during the setting, the device will return to standby mode.

6. **CTCSS (Continuous Tone-Coded Squelch System)**

License-free radio operates on the 400~470 MHz frequency band. Like the Twintalker, it has 8/20/22 available radio channels. If there are many radio users in your neighborhood, there is a chance that some of them use the same radio channel.

It has integrated sub-channels that prevent the reception of signals from other users.

Communication between two radios is only possible when

they use the same radio channel and when the same sub-channel has been selected. There are two types of sub-channels:

- Continuous Tone-Coded Squelch System (CTCSS)

When using CTCSS, a low-frequency tone (67 to 250 Hz) is transmitted along with the voice signal. There are 99 available tones to choose from. You are free to choose one of these 99 available tones. Due to filtering, these tones are generally not audible so that they do not disturb the communication.

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## 7. **CTCSS**

- Press the **MENU** button (11) twice: the current CTCSS code flashes on the display.
- Press the ▲ button (4) or the ▼ button (7) to switch to another code.
- Press the **TALK** button(15) to confirm and return to standby mode.

Note: To disable CTCSS, select the "OF" code for CTCSS in the menu. When the entry is confirmed, "OF" will be displayed.

## 8. **Monitor**

You can use the monitor feature to check the current channel for weaker signals.

- **Press and hold** the **MON** button to enable channel monitoring.
- **Release** the **MON** button to disable channel monitoring.

Note: During channel monitoring, the receiver circuit in the radios will ignore CTCSS codes.

## 9. **VOX selection**

The radio has a voice-activated (VOX) transmission feature. In VOX mode, the radio transmits a signal when activated by your voice or surrounding sound. VOX operation is not recommended if you plan to use your radio in a noisy or windy environment.

Note: VOX mode will be overridden when you press the **TALK** button (15).

- Press the **MENU** button (11) three times: the current VOX setting flashes on the display, and the VOX icon is displayed.
- Press the ▲ button (4) to set the VOX sensitivity level between 1 and 3 (level 3 is the most sensitive).
- Press the ▼ button (7) until "OF" appears on the display to turn VOX off.
- Press the **TALK** button (15) to confirm and return to standby mode.

## 10. **Scanning for an active radio channel**

- Press the **SCAN** button (21): the "Scan" function indicator (17) will appear on the display, and the channel (18) will scan continuously from 1 to 8/20/22.
- Press the ▼ button(7) to start the channel scan from 8/20/22 to 1.

Once an active channel is found, the scanning will stop, and you can listen to the transmission.

When the transmission on the found channel stops, the scanning resumes automatically.

NOTE: If you press the TALK button (15) while listening to the found channel, the radio will go back to standby mode on the found channel.

## 11. **Call tones**

A call tone alerts others that you are about to talk.

### 11.1 *Setting the call tone*

The Twintalker has 10 call tones.

- Press the **MENU** button (11) four times: "CA" is displayed, and the current call tone flashes.
- Press the ▲ button (4) or the ▼-button (7) to switch to another call tone.
- Press the TALK button (15) to confirm and return to standby mode.

### 11.2 *Sending a call tone*

Press the CALL button (12) briefly. The call tone will be transmitted on the set channel.

## 12. **Key tone on/off**

When a button is pressed, the device beeps briefly.

To set the key tone:

- Press the **MENU** button(11) five times: "to" will be displayed.
- Press ▲ to enable (ON) or ▼ to disable the key tones (OF).
- Press the TALK button (15) to confirm your selection and return to standby mode.

## 13. **Roger beep on/off**

When the **TALK** button is released, the device emits a roger beep to confirm that you have stopped talking.

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To set the roger beep:

- Press the **MENU** button (11) six times: "rO" will be displayed.
- Press ▲ to enable (ON) or ▼ to disable the roger beep (OF).
- Press the **TALK** button (15) to confirm your selection and return to standby mode.

#### **14. Button lock**

Press and hold the MENU button (11) for two seconds to activate the button lock mode. The button lock icon appears on the LCD screen.

Press and hold the MENU button (11) again for two seconds to deactivate the button lock.

*Note: The PTT button (15), Call button(12), MON button(5), Lamp button (20), and the on/off button (6) will still be functional when the button lock is activated.*

#### **15. Display backlight**

To activate the backlight of the LCD screen, press any button **except the on/off button.**

The LCD backlight will turn on for 5 seconds.

#### **16. Earpiece connection**

The Twintalker can be used with the included earpiece.

The connector is located on the upper side of the device (8).

Insert the earpiece plug into the connector (2.5 mm jack).

The small button on the earpiece has the same function as the TALK button (15) on the device.

When you use the **TALK** button (15) from the earpiece, you must also use the microphone from the earpiece to talk into.

*Note: Do not connect other earpieces. This may damage your device.*

#### **17. Battery saving function**

When the device has not been used for seconds, the economy mode is activated automatically. This does not affect the reception of transmitted messages, and the standard mode is re-activated automatically once a signal is detected.

#### **18. BUILT-IN FLASHLIGHT**

As an added feature, your radio has a built-in flashlight that can be used to send light signals or for its direct purpose.



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Electric and electronic equipment is marked with the crossed out trash can symbol, seen above. This symbol signifies that electric and electronic equipment should not be disposed of with other household waste, but should be disposed of separately.

All cities have established collection points, where electric and electronic equipment can either be submitted free of charge at recycling stations and other collection sites, or be collected from the households. Additional information is available at the technical department of your city.

Hereby, Denver A/S declares that the radio equipment type WTA-448 is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: [denver.eu](http://denver.eu) and then click the search ICON on topline of website. Write model number: WTA-448. Now enter product page, and RED directive is found under downloads/other downloads.

Operating Frequency Range: 446,00625 – 446,09375 mhz

Max Output Power: 0,5W

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