DORO

design on speaking terms

Manual

doro wt87
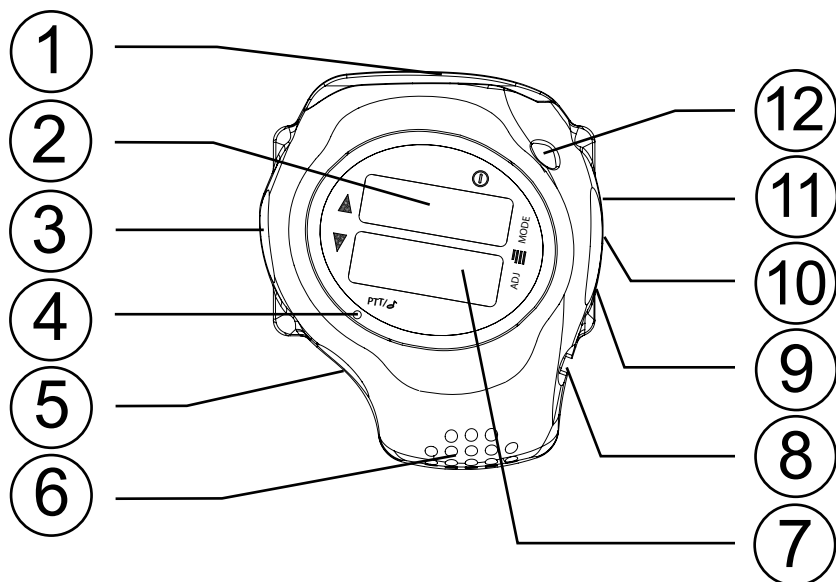
1 Hinged Antenna	7 Clock display
2 PMR display	8 Headset/charging socket
3 Volume/scroll buttons	9 Clock adjust button
4 Microphone	10 Menu button (PMR)
5 Push To Talk (PTT) button	11 Clock Mode button
6 Speaker	12 On/off (PMR)

English

Connection

Insert the battery (Li-ion 700 mAh-3.7V) noting the position of the charging contacts and replace the battery cover.

Range

The PMR wristwatch is intended for indoor and outdoor use. However please note they can be damaged by water/liquid ingress, impact or other careless treatment.
In a densely populated area, house, apartment, etc. the radio waves transmitting the signal may be hindered reducing the range. The maximum operating range requires unobstructed line of sight transmission with the **antenna raised** and will be up to 3 kilometre.

Charging

The display will show ▭ when it is time to recharge battery. The indicator has three segments, which disappear as the battery charge decreases, when the battery is running low a warning tone will be heard, the operating range and signal quality will deteriorate. Charge the PMR wristwatch as soon as possible under these conditions!
Connect the electrical adapter to the socket marked M/S CH. The battery indicator will stop flashing when charging is complete (approximately 14 hours), fully charged batteries will last for approximately 40 hours in standby or 2 hours' talk time. These operation times apply at normal ambient temperature.

Please note!
The equipment must be charged initially for a minimum of 24 hours before use to ensure optimum charge capacity.
The recharging system used in this model may result in the PMR wristwatch becoming warm. This is normal and will not damage the equipment.

Important!
Please note when programming all references to press = to press once and then immediately release the button.

Setting the date/time

1. Press the **MODE** button four times. The current month will now be displayed.
2. Press **ADJ** repeatedly to change the month.
3. Press the **MODE** button.. The current day will now be displayed.
4. Press **ADJ** repeatedly to change the day.
5. Press the **MODE** button. The current hour will now be displayed.
6. Press **ADJ** repeatedly to change the hour (H=24-hour display, A/P=12-hour display).
7. Press the **MODE** button.. The current minute will now be displayed.
8. Press **ADJ** repeatedly to change the minute. Press the **MODE** button.
9. Press **ADJ** to confirm.

Checking the date
Press the **ADJ** button twice.

Checking the seconds
Press the **ADJ** button three times.

Switching the PMR on/off

Press and hold ① for a few seconds to turn the PMR on or off. The clock and alarm functions will continue to operate while the PMR is switched off.

Headset

An optional headset can be connected via the headset socket marked **(M/S CH)**. This PMR unit supports the use of a **PTT** button on the headset cable to talk.

Please note!

When using a headset the call signal and speech volume may be loud. Adjust these volumes immediately you connect the headset.

Use only the original handset supplied, the performance of a non DORO headset cannot be guaranteed.

To communicate

1. Ensure the same channel and transfer code is selected on all units to be used. See below.
2. Hold the PMR wristwatch approximately 10cm in front of your mouth.
3. Press and hold the **PTT** (Push To Talk) button, wait a second or two and then speak clearly towards the microphone. Release the button when you finish speaking.
4. If nobody answers, send a call signal by pressing the **PTT** button twice in rapid succession.

Please note!

If you are unable to communicate it may be because different channel or transfer codes have been selected, the battery is running low, the antenna has not been raised on the PMR wristwatch, or the units are too far apart or are obstructed.

Channel selection

All PMR and CB equipment share the same available operating channels. If the channel is in use an alternate can be selected, the selected operating channel number will be displayed in standby mode.

1. Press ≡.
2. Scroll to the desired channel using △/▽.
3. Press ≡ to confirm.

Transfer code selection (CTCSS)

There are 38 transfer codes available which can be used to filter out unwanted signals. However, your conversation may still be overheard by anyone listening irrespective of which code is used.

To enable communication in both directions the same transfer code must be used on all units. In order to communicate with equipment that cannot select a transfer code select 0.

1. Press ≡ repeatedly until **CTC** flashes within the PMR display.
2. Scroll to the desired transfer code using △/▽.
3. Press **PTT** to confirm.

Please Note!

If you want to communicate with some protection against other people listening in, see the chapter on Private Calls.

Signal scanning (Scan)

You can scan all available channels to locate another unit that is transmitting. If a signal is located, the channel number will be displayed and a tone will be heard for a few seconds. Press PTT to stop on the newly located channel.

While searching the battery power consumption will be significantly higher than normal.

1. Press ≡ repeatedly until **SCAN** flashes within the PMR display.
2. Press △ or ▽. The unit will start searching all available channels.
3. To stop searching press **PTT** twice (slowly).

Voice control (VOX)

This unit can be used without having to press the **PTT** button to transmit. By setting the correct level, the equipment can automatically determine whether you are speaking or not.

Test different settings until the sensitivity selected is acceptable. Please note however accurate your setting there is always a small risk that increased noise from your surroundings may activate the transmitter, and may result in the initial word being unclear. A simply remedy would be to announce the name of the person being contacted before talking.

The transmitting function will shut off two seconds after you have finished speaking. **VOX** will be displayed while this function is active. If the unit transmits by itself the sensitivity will be set too high, press ① to temporarily interrupt the call and change this setting

1. Press ≡ repeatedly until **VOX** flashes within the PMR display.
2. Scroll to the desired setting using △/▽ (F=off, 1=low sensitive....4=high sensitive).
3. Press **PTT** to confirm.

English

Call melody

You can select several different call melodies.

1. Press ☰ repeatedly until **F 1** flashes within the PMR display.
2. Scroll to the desired call melody (11 -19) using △/▽.
3. Press **PTT** to confirm.

Searching two channels (Dual Watch)

You can enter a different channel for simultaneous listening while using the selected operating channel.
Once you hear someone talking you can press PTT to stop at the located channel.

1. Press ☰ repeatedly until **DW** flashes within the PMR display.
2. Press △ or ▽. The unit will start searching all available channels.
3. Press **PTT** to stop searching.

Private calls (only for calls between two or more wt87's)

You can select various voice filters to increase communication security and reduce other PMR/CB users monitoring your conversations. Only wt87 users with the correct filter settings can hear your conversation clearly, the display will show **Ø** while this function is active.

1. Press ☰ repeatedly until **Ø** flashes within the PMR display.
2. Scroll to the required setting using △/▽ (F=off, 1=filter 1......4=filter 4).
3. Press **PTT** to confirm.

Automatic shutdown

You can select automatic shutdown to save on battery power. In the standby mode, if no button is pressed within a selected number of hours the handset will switch off. A warning tone will be heard just before this happens.

1. Press ☰ repeatedly until **F 3** flashes within the PMR display.
2. Scroll to the desired setting using △/▽ (F=off, 1=1 hour........3=3 hours).
3. Press **PTT** to confirm.

Termination (Roger) tone

If selected a beep tone can be heard when you release the **PTT** button. This can signal the person you are talking to that you have finished and waiting a response.

1. Press ☰ repeatedly until **F 5** flashes in the PMR display.
2. Scroll to the desired setting using △/▽ (F=off, n=on).
3. Press **PTT** to confirm.

Reminder alarm & Hourly Time Signal

The PMR function must be switched on for the reminder alarm(·))) and hourly time signal(✎) to operate. Note, the hourly time signal will emit an audible beep every hour on the hour.

1. Press the **MODE** button. The current setting will now be displayed.

2. Select the desired setting by repeatedly pressing **ADJ** (hourly beep= ✎, alarm= ·))).

3. Press the **MODE** button. The current hour will now be displayed.

4. Select the desired setting by repeatedly pressing **ADJ**.

5. Press the **MODE** button. The current minute will now be displayed.

6. Select the desired setting by repeatedly pressing **ADJ**. Press the **MODE** button.

7. Ensure the PMR is switched on and the automatic shutdown function is switched off.

Checking the set alarm

Press the **ADJ** button once.

Operating channels and frequencies (AU/NZ)

Australia / New Zealand					
Channel	F MHz	Channel	F MHz	Channel	F MHz
1*	476.425	8*	476.600	15	476.775
2*	476.450	9	476.625	16	476.800
3*	476.475	10	476.650	17	476.825
4*	476.500	11	476.675	18	476.850
5**	476.525	12	476.700	19	476.875
6*	476.550	13	476.725	20	476.900
7*	476.575	14	476.750	21	476.925

* Denotes repeater access channels. This product is not repeater enabled. Other callers may be heard but communication with them is unlikely to occur.

** Designated emergency channel.

Guarantee

This product is guaranteed for a period of 12 months from the date of purchase. Proof of purchase is required for any service or support required during the guarantee period. This guarantee shall not apply to a fault caused by an accident or a similar incident or damage, liquid ingress, negligence, abnormal usage, not reasonably maintained or any other circumstances on the purchaser's part. Furthermore, this guarantee shall not apply to a faults caused by the use of poor quality batteries, battery leakage, corrosion or similar events related to non DORO batteries. This guarantee does not in any way affect your statutory rights.

UK

If you cannot resolve the fault using the faultfinder section, technical support is available on the Premium Rate Number: 0906 302 0114.

Calls cost 50 pence per minute (prices correct at the time of going to press), and is operational between 9AM - 5PM Monday-Friday excluding Bank Holidays. Alternatively, E-mail on: tech@doro-uk.com

You can contact us in writing: Consumer Support Group, Doro UK Ltd., 22 Walkers Road, North Moons Moat, Redditch, Worcestershire, B98 9HE, (regarding any Spares or Technical query), or

Telephoning (Spares only): 01527 584377

Web site: www.doro-uk.com

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Panmure
Auckland
New Zealand

Consumer Support
Ph: 0900-500-25 (Toll Call)
Fax: (09) 574-2722
Email: support@atlasgentech.co.nz

The product complies with AS/NZS 4365.   N13 Z109

DECLARATION OF CONFORMITY

WE DORO AB
Of Skiffervägen 80
     SE-224 78 Lund
     Sweden

As the EU/EES/EC/EEA Authorised representative declare under our sole
responsibility that the product

Model: Doro WT 87
Description: 2-Way Radio

IS IN CONFORMITY WITH DIRECTIVE: 1999/5/EC

Authorised by:

Signed _____

Name (printed): Per Carlenhag
Position in company: Quality Manager
Date of issue: 29 September 2004

Copies of this document will be held on file for a period of 10 years after the last
production.

Supplier:	DORO AB Skiffervägen 80 SE-224 78 Lund Sweden	C E ①
Product:	Doro WT 87	

This product is in conformity with the essential requirements of the following specifica-
tions:
Radio - EN 300 296-2
EMC - EN 301 489-1, EN 301 489-5
Safety - EN 60065

This product is intended for use only within the following countries: United Kingdom,
France, Sweden, Denmark, Norway, Turkey, Poland and Finland.