



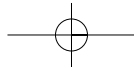
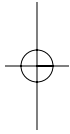
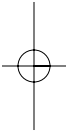
Kompernaß Handelsgesellschaft mbH
Burgstraße 21 · D-44867 Bochum
www.kompernass.com
ID-Nr.: KH 2025/2026-03/04

bench
KH 2025



GB **Digitaler Weltempfänger**
Bedienungsanleitung

UK





Digital World Receiver e-bench KH 2025 / KH 2026

Keep this manual for future reference –
and also pass it on with the device to any future owners.

Contents

1. Intended Use	3
2. Technical Data	5
3. Safety Instructions	6
4. Power Supply	7
5. Switching On / Off	8
6. Reception	9
7. Memory	10
8. Time and Timer	13
9. Miscellaneous	18
10. Self-Help	19
11. Disposal	20

1. Intended Use

This device is **intended** for the reception of generally approved radio transmissions in all countries (world receiver) and only for household use.

It is **not intended** for the reception of stations that are not generally approved, for use as part of safety radio systems, such as on board sport boats, or for use in commercial or industrial environments. It is also not intended for climate zones outside of the ranges specified under Technical Data.



The information in parantheses refers to the **sections** of this manual.

-
- | | |
|--|--|
| ① Starting the Memory Scan (7c) | ⑪ External Power Supply, 4b |
| ② Saving Memory Positions (7a)
Loading Memory Positions (7b) | ⑫ Connecting Headphones |
| ③ Saving Stations (7a)
Locking the Buttons (9) | ⑬ Switching the Medium Wave Range (6c) |
| ④ Short Wave Sensitivity (6e) | ⑭ Setting the Device at an Incline (9) |
| ⑤ Searching for Stations (6d)
Setting Times, Dates (8a, 8b, 8g) | ⑮ Switching Off the Device (5b)
Activating/Deactivationg Daylight
Savings Time (8f)
Resetting the Alarm by 9 Minutes (8h) |
| ⑥ Selecting the Reception Band (6b) | ⑯ Selecting a Memory Block (7a, 7b) |
| ⑦ Changing the Type of Time Display (9) | ⑰ Daylight Savings Time (8f) |
| ⑧ Setting the Volume (6b)
Setting Alarm Times 1/2 (8g)
Resetting the Alarm Time (8h) | ⑱ The batteries are almost empty –
replace! |
| ⑨ Switching On the Device (5a)
Switching Off With a Time Delay (5c) | ⑲ Station Memory: Block PAGE and
memory position MEM (7a) |
| ⑩ Setting the Time + Date (8a, 8b) | |

2. Technical Data

a) Environmental limits

Temperatures: -5 – +40 °C

Relative humidity: 20 – 80% RMH

b) Reception ranges

USW (FM): 87.5 – 108.5 MHz

MW Europe.....: 522 – 1656 KHz

MW USA.....: 520 – 1710 KHz

SW: 5.85 – 15.6 MHz

LW: 144 – 281 KHz

This information only describes the technical capabilities of the device.

Different countries can have deviating legal regulations regarding the freely receivable frequency range. Please note that reception outside of these regulations can therefore be illegal and punishable.

GB

Tuning range.....: USW 50 KHz
MW Europe 9 KHz
MW USA 10 KHz
SW 5 KHz / 1 KHz
LW 1 KHz

Sensitivity: SW 2 levels selectable

c) Other

Memory positions: 160 stations

Timer.....: 2 alarm times
9 min. snooze timer
Date-specific Timer
90 min. Sleep timer

Output.....: Connection for stereo headphones 3.5 mm

Power supply: Connection for external power supply
DC 6 V – 7.5 V

Batteries: 4 x 1.5 V type "AA"

3. Safety Instructions

Transportable world receivers are used in a wide range of climate zones. Particularly when outdoors, make certain that ...

- the environmental limits are not exceeded (see Section 2).
- Electronic devices can be damaged by moisture.
- Extremely dry air can cause static charges that can lead to faulty functions.
- Excessive temperatures (e.g. direct sunlight) or very low temperatures (e.g. outdoors in winter) can permanently darken the liquid crystal display.

Ⓒ

Transportable devices are particularly at risk to accidental damage. You can reduce this risk by observing the following:

- Protect the device against heavy stresses, such as impacts and falls.
- Select a location in your travel luggage where it cannot be damaged or switched on by other hard objects.
- When in areas with elevated security requirements (e.g. airplanes), it is best to transport the device without the batteries inserted because it cannot be completely switched off (clock, timer functions, ...).

GB

4. Power Supply

Important: Make certain that the polarity is correct – both for the batteries as well as for the external power supply. If the polarity is reversed, the device will be damaged.

a) About the Batteries

- Open the battery compartment on the back side of the device and insert four batteries of type "1.5V AA" according to the labels in the battery compartment.

Note: Used batteries may not be disposed of in household waste. Return these to your retailer or to an appropriate collection site for disposal.

b) External Power Supply

- ① Connect an external power supply of DC 6...7.5V / 300 mA to the power supply jack, as seen in the picture.

Note: The station memory described in Section 7 will be deleted if the device is without power for longer than about 30 seconds.

You should therefore leave an external power supply connected while you change the batteries – or finish changing them within 30 seconds!

GB

5. Switching On / Off

With this device, you can only switch the reception operation on and off. The clock for time and date as well as the timer continue to function as long as the device is supplied with power.

a) Switching On

- ⑨ To switch on the device, briefly press the button **RADIO ON / SLEEP** once. "OFF" appears initially in the display, followed by the tuned frequency.

b) Switching Off Immediately

- ⑮ To switch the the device off, press the button **SNOOZE / Radio off** , or ...
- ⑨ the button **RADIO ON / SLEEP** repeatedly until "OFF" appears in the display.

c) Switching Off with Time Delay

If you would like to listen to the radio for a while longer, for instance before falling asleep, but would like the device to switch off automatically after a certain amount of time (10...90 minutes), ...

- ⑨ press the button **RADIO ON / SLEEP only enough times** until the desired number of minutes is shown in the display ("10 ... 90").

The countdown begins immediately with the first press of this button. If you do not alter the remaining time, the display will switch back to the tuned frequency. You can check the remaining time or reduce it by pressing the ...

- ⑨ button **RADIO ON / SLEEP** again.

GB

6. Receive Mode

As soon as the device is switched on as described under 5., it is already in receive mode.

a) Setting the Volume

- Press the buttons ▼ **VOLUME** ▲ to adjust the volume.

b) Selecting the Reception Range (Band)

- Select the desired reception range with the sliding switch:
 - USW = Ultra Short Wave
 - MW = Medium Wave
 - SW = Short Wave
 - LW = Long Wave

c) Changing the Medium Wave Range

The frequency range and tuning intervals of MW vary by region:

- Set the sliding switch to
 - up in the region "USA"
 - down in the region "Europe".

d) Searching for Stations

- Press briefly on one of the two **TUNING** buttons to search upward or downward **in steps**.
- Hold one of the **TUNING** buttons pressed to start a **scan**. The device stops as soon as a sufficiently strong station is found. Pressing the button again will continue the scan.

GB

e) Short Wave (SW) Sensitivity

If the the scan process frequently lasts too long, for instance because too many signals are received in the evening, the sensitivity can be reduced to short wave (local reception).

- ④ Set the sensitivity switch to
 - RX for local reception
 - LX for long-range reception.

f) Sensitivity and Antennas

The **telescoping antenna** is responsible for USW and short wave (SW). You can alter the reception strength by adjusting the length, inclination and direction of the antenna.

A **ferrite antenna** is built into the device for medium wave (MW) and long wave (LW) reception. Turn the entire device to alter the reception strength.

7. Memory

A total of 160 memory positions are available – specifically ...

- 5 blocks of 10 positions each for USW
- 5 blocks of 10 positions each for MW
- 5 blocks of 10 positions each for SW
- 1 block with 10 positions for LW.

The blocks are also designated as "**pages**".

This division into blocks is useful to allow the stations to be saved according to a meaningful organisation principle. For instance ...

- by **type**: music, news, sports
- by **location**: local stations or frequently visited travel destinations
- by **person**: if multiple family members use the device

GB

a) Saving Stations

When you have found a station that you would like to save:

- ③ Press the button **MEMORY**.
- ⑩ Two small windows then appear in the display:
 - *PAGE* containing the numbers 1...5
 - *MEM* containing an empty field.

Make your selection within the next 10 seconds, otherwise this display disappears and you must start this step again.

- ⑩ Press the button **PAGE** until the small window *PAGE* contains the number for the block 1...5 to which you would like to save the station.

Once you have selected the desired block (page), ...

- ② then press one of the buttons **M0/5 M1/6 M2/7 M3/8 M4/9** to select the memory position 0...9.

The number associated with the memory position then appears in the small window *MEM*.

Note: These buttons each have two assignments. Each press switches between the two assignments (e.g between 0 and 5).

When you have selected the desired memory position, ...

- ③ press the button **MEMORY** again. The station is now saved.

GB

b) Loading Saved Stations

If you would like to load a saved station:

- ⑥ First select the band (reception range).
- ①⑥ Press the button **PAGE** until the small window *PAGE* contains the number for the block 1...5 from which you would like to load the station.
- ② Then press one of the buttons **M0/5 M1/6 M2/7 M3/8 M4/9** until the number of the desired memory position appears in the second small window MEM.

Note: These buttons each have two assignments. Each press switches between the two assignments (e.g between 0 and 5).

c) Memory Scanning

If you have saved multiple stations:

- ①⑥ First select the **band** (reception range).
- ② Press the button **PAGE** until the small window *PAGE* contains the number for the block 1...5 in which you would like to start the scan.
- ① Then press the button **MEMORY SCAN** once briefly. Now all memory positions are accessed in about 5 second steps.

If no station is saved at a memory position, only static is heard.

Pressing any button (except for the volume buttons) **ends** the memory scan.

(GB)

8. Clock and Timer

The device can be used as a radio alarm with two alarm times and one date alarm. An alarm tone is also available in place of the radio alarm function.

a) Setting the Time

When the device is switched off, and the date and time appear in the display in alternation:

- ⑩ Press the button **MODE** .
The time now blinks in the display.
- ⑤ Press one of the **TUNING** buttons briefly to set the time **by minute**.
- ⑤ Hold one of the **TUNING** buttons pressed to change the time in **10-minute steps**.

b) Setting the Date

- ⑨ Press the button **MODE** until the date blinks in the display.
- ⑤ Press one of the **TUNING** buttons briefly to set the date **by day**.
- ⑤ Hold one of the **TUNING** buttons pressed to change the date in **10-day steps**.

c) Accepting the Time / Date

You do not have to do anything to accept the time and date – the newly set time or date is accepted immediately after making the setting.

(GB)

d) Setting the Home Time Region

Set the time region here in which you typically reside:

- ⑩ Press the button **MODE** until *LOCAL CITY* appears in the display.
- ⑤ Use the **TUNING** buttons to select your home time region:

Code	Applies to Time Region	Difference to UTC
<i>UTC</i>	Universal Coordinated Time	0
<i>LDN</i>	London / England	0
<i>MUN</i>	Munich / Germany	1
<i>FRA</i>	Frankfurt / Germany	1
<i>PAR</i>	Paris / France	1
<i>ROM</i>	Rome / Italy	1
<i>CAI</i>	Cairo / Egypt	2
<i>IST</i>	Istanbul / Turkey	2
<i>MOS</i>	Moscow / Russia	3
<i>KWI</i>	Kuwait	3
<i>DXB</i>	Dubai / Saudi Arabia	4
<i>KHI</i>	Karachi / Pakistan	5
<i>DAC</i>	Dacca / Bangladesh	6
<i>BKK</i>	Bangkok / Thailand	7
<i>SIN</i>	Singapore	8
<i>HKG</i>	Hongkong	8
<i>PEK</i>	Peking / China	8
<i>TYO</i>	Tokyo / Japan	9
<i>SYD</i>	Sydney / Australia	10
<i>NOU</i>	Noumea / New Caledonia	11
<i>AKL</i>	Auckland / New Zealand	12
<i>HNL</i>	Honolulu / USA	- 10
<i>ANC</i>	Anchorage / USA	- 9
<i>YVR</i>	Vancouver / Canada	- 8
<i>LAX</i>	Los Angeles	- 8
<i>DEN</i>	Denver	- 7
<i>CHI</i>	Chicago	- 6
<i>MEX</i>	Mexico	- 6
<i>NYC</i>	New York	- 5
<i>YYZ</i>	Toronto / Canada	- 5
<i>YUL</i>	Montreal / Canada	- 5
<i>CCS</i>	Caracas / Venezuela	- 4
<i>RIO</i>	Rio De Janeiro / Brazil	- 3
<i>BUE</i>	Buenos Aires / Argentina	- 3

GB

e) Setting Travel Destination Time Regions

Once you have selected a home time region as described under d):

- 10 Press the button **MODE** until only *CITY* appears in the display.
- 5 Use the **TUNING** buttons to select the travel destination from the same table, as used previously under d).

The device now shows the time difference between the travel destination region and your home time region.

After approx. 15 seconds, the device returns to the normal time display.

Note: Section 9 describes how you can have the time difference configured here displayed in alternation with your home time region.

f) Setting Daylight Savings Time

Set this first for the normal clock display:

- 10 Press the button **MODE** until *LOCAL CITY* appears in the display along with the code for your home time region, as set under d).
- 15 Then press the **SNOOZE** button to activate daylight savings time and press it again to deactivate it.
- 17 When the symbol for **daylight savings time** appears in the display, the time is shown minus one hour.

Simply repeat this step for the configured travel destination regions if you want to apply the daylight savings time to those as well.

GB

g) Setting Alarm Times 1 / 2

When the device is switched off, and the date and time appear in the display in alternation:

- 8 First select which of the two alarm times should be set. Press the button ...
 - **ALARM 1** for alarm time 1
 - **ALARM 2** for alarm time 2

Once the respectively selected alarm time blinks in the display:

- 5 Press one of the **TUNING** buttons briefly to set the alarm time **by minute**.
- 5 Hold one of the **TUNING** buttons pressed to change the alarm time in **10-minute steps**.

Now specify whether the alarm function should function every day or whether the weekend should be excluded:

- 15 Press the **SNOOZE** button if you want to **exclude weekends** from the alarm function.
- 15 With every press of this button, the display will switch between:
 - all days of the week or
 - only work days, in other words without Saturday and Sunday.

This is useful for working people who do not want to reset the alarm times after every weekend.

GB

In conclusion, select the type of alarm:

- ⑧ Press the **ALARM** button for the selected alarm time until the display indicates ...
 - *ALRT*: This means that an alarm tone (beep) will sound for approx. 10 minutes.
 - *RRD*: This means that the radio will be switched on at the alarm time for about 60 minutes.
 - Both codes disappear: This means that the alarm function is deactivated.

If you would like to be woken by the radio, you should select the desired station and volume level before going to sleep. You can then simply switch off the device.

h) When the Alarm Goes Off

When the alarm tone or the activation of the radio function is triggered at the alarm time, you can ...

- ⑮ reset the alarm by 9 minutes (snooze function) by pressing the **SNOOZE** button,
- ⑧ or press the respective **ALARM** button to reset the alarm to the next day.

If you would like to **completely** deactivate the alarm function, this can only be done as follows.

Note: The configured alarm and clock times are lost if the device is without power for longer than 30 seconds, for instance while changing the batteries. Be sure to check all configured times afterward!

i) Date Alarm (SDA)

You can program a reminder alarm to go off on a specific date. On this day, an alarm will go off for about 10 minutes on every hour starting at 8:00 a.m. until you press any button.

When the device is switched off and the date and time appear in the display in alternation:

- 10 Press the button **MODE** until the date blinks in alternation with *SDA* in the display.
- 5 Press one of the **TUNING** buttons briefly to set the SDA date **by day**.
- 5 Hold one of the **TUNING** buttons pressed to change the SDA date in **10-day steps**.

GB




Once an SDA alarm has been programmed, you can only deactivate it by repeating the configuration steps and programming in a date that is long past.

9. Miscellaneous

- 3 To lock the buttons against accidental operation, hold the button **KEY-LOCK** pressed for 5 seconds until *KEY LOCK* appears in the display.
- 3 If you hold down the button again, the lock is removed.
- 14 Fold out the **prop** to set the device at an incline.

GB

When the device is switched off, and the date and time appear in the display in alternation:

- ⑦ Press the button **Alt. Display** until the display shows ...
 - the symbol :
When the device is switched off, only the time will be displayed.
 - *DATE* and :
When the device is switched off, the time and date will be displayed in alternation.
 - *CITY* and *DATE* and :
When the device is switched off, the time and date as well as the travel destination time region will be displayed in alternation.

10. Self-Help

Do not open the housing of the device – there are no operating elements contained inside.

a) Cleaning

Only clean the device with a soft, dry cloth. Do not use any cleansers or abrasive agents, these could scratch the housing and in particular the display window.

b) If Something Does Not Function

Remove all batteries for 2-3 minutes and unplug any external power supply connected to the device if it does not react as described in this manual. Now it should function properly again.



c) Additional Problems?

If the device still does not function as described above, a defect may be present. In this case, contact the customer service.

11. Disposal

If you want to dispose of the device, first remove the batteries. Used batteries may not be disposed of in household waste. Return these to your retailer or to an appropriate collection site for disposal.

Tip: Care for the environment. If you want to dispose of the device, return it to a collection site for recycling of electronics.