

# KENWOOD

Compact Stereo System

## M-817DAB

## OPERATING INSTRUCTIONS

JVCKENWOOD Corporation



# Before use

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## **Before turning on the power supply**

### **IMPORTANT SAFETY INSTRUCTIONS**

Warning: Read these pages carefully to ensure safe operation of the device.

#### **Read this advice carefully!**

- Follow the safety and operating instructions when using this device.

#### **Keep these instructions somewhere safe!**

- Keep these instructions for safety and operation in a safe place.

#### **Pay attention to all warnings!**

- You should carefully follow all operating instructions and warnings provided for this product.

#### **1. Only clean the device with a clean, dry cloth!**

- Pull out the plug on the device from the socket before cleaning. When cleaning, never use liquid detergents or cleaning sprays, only a damp cloth.

#### **2. Accessories**

- Only use accessories provided by the manufacturer.

#### **3. Never use this device near water**

- The device should never be used near water droplets or sprays – for example, near bathrooms, washbasins, the kitchen sink, washing machine, in a damp cellar or near a swimming pool etc. Never place receptacles full of fluid on top of the device, for example, vases of flowers.

#### **4. Ventilation**

- The slits and openings in the housing are designed to ventilate the device to ensure it works reliably and to protect it from overheating and potentially bursting into flames. Do not block the ventilation holes. Install the device according to the manufacturer's instructions. Never block the ventilation holes by placing the device on a bed, sofa, rug, or similar soft surface. The device should not be installed in a bookcase or built-in cupboard if there is insufficient ventilation, as described in the manufacturer's installation guide.

#### **5. Power supply**

- This device can only be connected to the mains power voltage specified on the device. If you are not sure about the type of power supply in your home, contact your dealer or your local energy provider.

#### **6. Power cable**

- Make sure nobody can trip over the power cable and that, if near a socket, it cannot become trapped by additional sockets. Never crush the power cord that protrudes from the device.

#### **7. Storms**

- Disconnect the device from the power supply if there is a storm or if it is not being used for a long period of time.

#### **8. Overloading**

- Never overload mains sockets, extension cables or multiple socket outlets as this could lead to a risk of fire or electric shock.

#### **9. The ingress of foreign bodies or fluids**

- Make sure that no foreign bodies or fluids can get into this device through the ventilation holes, as these could make contact with high-voltage components or cause a short-circuit, leading to a fire or electric shock. Never spill any kind of liquid on this device.

## **10. Maintenance**

- Never try to carry out your own maintenance on this device by opening it up or removing the cover. When connected to the power, static parts can start to move and any disturbance can lead to danger. Leave all maintenance work to a qualified customer service technician.

## **11. Damage that needs to be repaired**

- Ensure that any maintenance and repair work is only carried out by a qualified customer service technician. Maintenance or repair work is required if the device is damaged (e.g. the power cord or plug), if liquid has got into the device, if foreign objects have got inside, if it has been exposed to rain or moisture, or if it no longer works properly or has suffered a fall.

## **12. Replacement parts**

- If replacement parts are needed, make sure that any service technician only uses replacement parts specified by the manufacturer or those that have the same features as the original parts. Using unauthorised replacement parts can lead to fire, electric shock and other accidents.

## **13. Safety checks**

- After servicing or repairing this device, ask the service technician to carry out a safety test to establish that the equipment is in good working order.

## **14. Wall or ceiling mounting**

- This device may only be fitted to a wall or ceiling in accordance with the manufacturer's recommendations.

## **15. Heat**

- Do not install the device near hot surfaces such as, for example, radiators or fan heaters, ovens or other devices (including amplifiers) that can get hot. Never place objects such as candles or lanterns that emit open flames on or near the device.

## **16. Power cables**

- An outdoor aerial should not be installed near power cables or other electrical wiring or in any place where it could fall onto electrical wiring. When installing an outdoor aerial, take great care that it does not accidentally touch electrical wiring, as this can have life-threatening consequences.

## **EU Declaration of Conformity**

The JVCKENWOOD Corporation confirms that this type of radio system M-817DAB conforms to the 2014/53/EU directive. The full documentation for the EU Declaration of Conformity can be found at the following online address:

<http://kenwood.com/cs/audio/eudoc/>

### **Manufacturer:**

JVCKENWOOD Corporation

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### **EU representative**

JVCKENWOOD EUROPE B.V

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## **IMPORTANT FOR LASER PRODUCTS**

1. LASER PRODUCTS IN CLASS 1
2. CAUTION: Do not open the housing. The device contains tiny parts that users cannot maintain;

maintenance should only be carried out by a qualified technician.

### **Automatic energy-saving function**

This stereo system has an automatic energy saving function. This will switch to standby mode after 15 minutes in the following circumstances:

1. There is no CD inserted or the CD-Player has not been started.
2. The USB connection has not been made or the play function has not started.
3. STOP or PAUSE have been pressed in the CD or USB modes.
4. There is no music playing in the LINE-IN mode.
5. STOP or PAUSE have been pressed in the LINE-IN mode.
6. There is no device connected in the BLUETOOTH mode.
7. There is no audio to play through the BLUETOOTH connection.

## Before first-time use

### Unpacking

Unpack the device carefully and make sure that all accessories are available:

User manual



Remote-control



FM/DAB-aerial



LR03/AAA 1.5-volt battery



### Notes for reading the manual

Most functions can be controlled using the remote control.

### Preparing the remote control

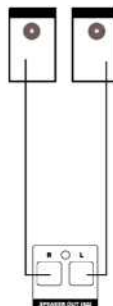
- Insert the batteries into the remote control with the correct polarity (+ and -).



- The battery supplied is intended to test the functions on the remote and may have a limited lifespan.
- If the remote control's range decreases, replace the old battery with a new one.
- If the remote control's sensor is exposed to direct sunlight or light from high-frequency fluorescent tubes, it may malfunction. If this happens, you should move the system to a different location to avoid such a malfunction.

### Connecting the device

- Unpack the device carefully and make sure that all the accessories are present.
- Connect the right and left speaker with their corresponding connections (**Speaker Out**) at the rear of the device.
- Insert the power plug firmly into an AC wall outlet.



### DAB+ / VHF aerial connection

1. Connect the cable to the socket **[ANTENNA FM 750]**.
2. Look for the place where you can get the best signal.
3. Secure the aerial into position.

- The aerial that comes with the system is a simple wire antenna. Using an external aerial is recommended to get a more stable signal. First disconnect your internal aerial in order to connect an outdoor aerial.
- A DAB reception is not guaranteed when receiving radio station signals over a cable network.

## Using the device for the first time

When turning the device on for the first time, it will perform a search for DAB stations. Please wait until this process is complete. For more information, please refer to the section on "Using a DAB radio".

## Using CDs

### Handling precautions

Hold the CD so that you are not touching the data surface (the unprinted side is the side that plays.)

### Cautions for using CDs

Only use CDs with the  mark. A CD without this mark may not play properly.

## Facts worth knowing about USB devices

### Advice about using a USB device

This kind of device can play back audio files stored on flash storage or a digital audio player if these devices have a USB port (in this document, these are referred to as USB devices).

These restrictions apply to using USB devices:

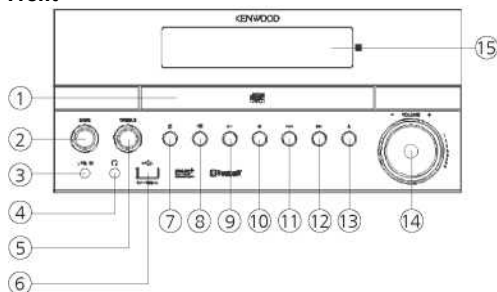
### Usable USB devices

- USB devices that belong to a mass storage class.
- USB devices where the maximum current consumption is 500 mA at the most.
- USB mass storage class: USB devices that a PC recognises as external storage without needing a special driver or special software.
- If you are not sure that your USB device conforms to the specifications of the USB mass storage class, please consult your dealer.
- Using an unsupported USB device could lead to faulty playback or displaying the audio file incorrectly.

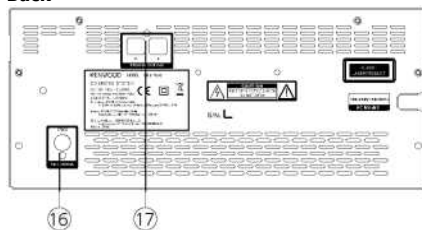
Even if you use a USB device that complies with the above specifications, depending on the type or condition of your USB device, audio files may not be played correctly.

## Components and functions

### Front



### Back



- 1 – CD compartment
- 2 – Bass control
- 3 – Line-In connection
- 4 – Headphone connection
- 5 – Treble control
- 6 – USB connection
- 7 – Standby / on
- 8 – Source selector
- 9 – Repeat / Pause

- 10 – Stop
- 11 – Next
- 12 – Previous
- 13 – Open/close
- 14 – Volume
- 15 – Display
- 16 – FM / DAB+ Aerial connection
- 17 – Speaker connection

## Remote Control

- 1 - Standby / On/Off
- 2 - CD
- 3 - Bluetooth
- 4 - DAB+/FM
- 5 - Memory / Program
- 6 - Fast rewind / forward
- 7 - Enter / Repeat / Pause
- 8 - Search backwards / jump back 10 tracks
- 9 - Search forwards / jump forward 10 tracks
- 10 – Select folders backwards
- 11 - Select folders forwards
- 12 – Volume decrease
- 13 - Equaliser
- 14 - Open / Close
- 15 – Source selection
- 16 - Auto-Tune / Stop
- 17 – Fast forward / Next
- 18 - Repeat / Menu
- 19 - Shuffle / Information
- 20 – Volume Increase
- 21 - Mute






## Basic functions

**Turning on the system:** Press the  button on the remote or on top of the device.

The message "HELLO" will appear on the display.

**Turning off in standby:** Press the  button on the remote or on top of the device. The message "GOODBYE" will appear and the device will switch itself into standby mode.

## Volume control

**On the remote control:** Press the buttons **VOL+** to increase the volume and **VOL-** to lower it.

**On the main device:** Press the volume control to increase and decrease the volume.

If you choose the minimum volume, the display will show "**VOL MIN**" and for maximum volume "**VOL MAX**" will briefly appear in the display.


**To turn off the volume temporarily:** Press the  button on the remote control. "MUTE" will flash on the display. When you press the button again, the volume is restored.

## Adjusting the sound

You can raise or lower the bass and treble for your favourite music.

**On the main device:** Press the **BASS** or **TREBLE** controls, to adjust the gain level in increments of 2 from -8 to +8.



## Equaliser

**On the remote control:** Press the  button to choose the following settings in sequence: **POP -> FLAT -> JAZZ -> CLASSIC -> ROCK**



## Using the CD and USB functions

### Preparation


#### Loading a CD

1. Press the  button on the main device or remote to open the CD compartment
2. Insert a CD with the printed side facing upwards in the CD compartment
3. Press  the button on the main device or remote to close the CD compartment


#### Removing a CD

1. Press the  button on the main device or remote to open the CD compartment
2. Carefully remove the CD from the CD compartment
3. Press  the button on the main device or remote to close the CD compartment

## Connecting USB devices

1. Press the  button to put the device in standby mode.
2. Connect the USB device to the USB port on the rear of the device.

## Disconnecting USB devices

1. Press the  button to choose standby mode.
2. Remove the USB device from the USB port.

- Always wait until the device has finished reading the CD / USB device before going ahead.
- If there is no CD in the CD compartment, the message **"NO DISC"** will be displayed.
- If there is no playable audio data on the USB device, the message **"NO SONG"** will be displayed.
- With audio files, the read time may exceed 10 seconds if a CD or USB device contains a lot of songs.

## Playing back a CD or audio file (USB, CD)

**On the remote control:** Use the **Source** button to choose the source and press the **Enter** button to begin playback.

**On the main device:** Use the **Source** button to choose the desired source and press the **Enter** button to begin playback.

For USB devices or CDs containing audio files (such as MP3), the display shows the number of folders and files as follows:

**FXF XXX**

The number appearing after "F" is the number of folders and the second number set is the total number of files.

Also, for audio CDs, information about the number of tracks and total playing time is displayed as follows:

**XX XX:XX**

The first set of numbers represents the number of titles and the second set is the CD's total playing time.

## Basic operating functions

**Stopping playback:** Press the **■** button on the main device or remote to stop playback.

**Pause playback:** Press the **▶||** button on the main device or remote to pause playback. The display will start to flash. Pressing the button again resumes playback.

**Searching for a particular passage during play:** Hold the button **▶▶** or **◀◀** on the main device or remote for longer than 2 seconds to activate **▶▶** or **◀◀**. Once you have found the correct place, release the corresponding button.

**Choosing a particular track:** Press the **▶▶** or **◀◀** button on the main device or remote in playback, pause or stop mode.

**To jump to 10 tracks:** Press the button **+10** or **-10** on the remote control in play, pause or stop mode.

**Choosing a specific folder (audio files only):** Press the **Fold+** or **Fold-** on the remote to choose a folder.

## Programming titles and files

Using the remote control, you can program tracks on an audio CD or files to play in the sequence you want. You will find the following number of storage locations:

Audio-CD: 20 storage locations

Files: 99 storage locations

## Procedure for audio CDs

1. The "CD" source must be in stop mode.
2. Press the **PRG** button to select the program mode.
3. The display will then show "**01 PR01**" with "**01**" flashing. The first number set shows the current title, the second shows the current memory location.
4. Use the **▶▶** or **◀◀** button to choose the title you want to save in the current memory location.
5. Press the **PRG** button to confirm the selection.
6. This displays the next storage location. Repeat steps 4 and 5 until your selection is complete or the number of memory slots is full. If this happens, "**Full**" will appear in the display.
7. Press the **▶||** button to play back the programmed tracks. During playback, the track number and that of the program position are displayed alternately.
8. Pressing the **■** key twice clears the programming.


## Procedure for audio files

1. The "USB" source must be in stop mode.
2. Press the **PRG** button to select the program mode.
3. The display will then show "**01 PR01**" with "**01**" flashing. The first number set shows the current title, the second shows the current memory location.
4. Choose a folder with the **Fold+** or **Fold-** button, or keep the current folder. When selecting a folder, the display changes to "**FXF XXX**", where "**FXF**" stands for the current folder and "**XXX**" for the current title.
5. Use the **▶▶** or **◀◀** button to choose the title you want to save to the current memory location.
6. Press **PRG** to confirm the selection.
7. This displays the next storage location. Repeat steps 4 and 6 until your selection is complete or the number of memory slots is full. If this happens, "**Full**" will appear in the display.
8. Use the **▶||** button to start playing back the programmed title.
9. Pressing the key twice clears the programming.
  - Pressing the **■** button during programming aborts the process. Switching off the device deletes an existing program.

## The random play and repeat functions

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### Procedure for audio CDs


- Press the **SHUFFLE** button on the remote control to start playing on shuffle. In the display, the message "SHUFFLE" will appear for 2 seconds and playback will start. Pressing the **SHUFFLE** button twice or the  button cancels the shuffle function.
- On the remote control, press the **REPEAT** button to activate the playback function. Pressing this several times controls the following functions:


Playback the current song (Display "REP ONE")

Playback all songs (Display "REP ALL")


Turn off the play function (Display "OFF")



Using the  button, begin playback.

Pressing the  button turns off the playback function.

### Procedure for audio files


- Press the **SHUFFLE** button on the remote control to start playing on shuffle. In the display, the message "SHUFFLE" will appear for 2 seconds and playback will start. Pressing the **SHUFFLE** button twice or the  button cancels the shuffle function.
- On the remote control, press the **REPEAT** button to activate the playback function. Pressing this several times controls the following functions:

Playback the current song (Display "REP ONE")

Playback the current file (Display "REP FLD")

Playback all songs (Display "REP ALL")

Turn off playback (Display "OFF")

Use  the button to start playback.



Pressing the button turns the playback function off.

## Using the DAB+ Radio

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Press **DAB** on the remote control or the **Source** button on the main device until you see **"DAB"** in the display.

### Setting the DAB+ stations

When commissioning the device, it carries out a station search. The stations found are stored alphabetically in the station list.

### Restarting the automatic station search

- Press the **MENU** button to get the DAB menu.

The display will show **"FULL SCAN"**. Begin the search pressing **Enter**.

- During the search, the display shows the number of stations it has found so far.
- If the search finds no stations, the message **"NO DAB"** will appear for approximately 2 seconds, which then changes to show **"FULL SCAN"**.

Please check that the aerial is connected correctly or try to find another place for the device for a better reception.

### Manually setting stations

- Press the **MENU** button to bring up the DAB menu.
- Press the button **TUN+** until **"MANUAL"** appears in the display.
- Confirm by pressing **Enter** and the display shows the channel currently set with its frequency.
- Press the **TUN+** or **TUN-** buttons to choose another station manually.
- Press the **Enter** button to confirm this choice. The signal level will appear in the display and pressing the key again loads the current ensemble.

### Finding a DAB+ station

Find the stations stored alphabetically in the station list as follows:

- Press **TUN+** or **TUN-** on the remote control to scroll backwards or forwards in the station list.
- When you find the correct station, press **Enter** on the remote control or wait about 2 seconds to begin playback.

The message **"LOADING"** will appear in the display.

- If the signal strength for your chosen station is too low for good quality playback, **"OFF AIR"** will appear in the display. Please choose another station.

### Saving stations in the station memory

There are 20 memory slots where you can store DAB stations for easy retrieval. To use the memory function, please do the following:

- Choose a station to save.
- Press the **PRG** button until the display flashes and suggests a memory location. An empty memory location will show as **"EMPTY"** and, if already in use, will show the frequency. You can use a memory location that has been used before.
- Press the **TUN+** or **TUN-** buttons to choose a memory location.
- Confirm storage with the **Enter** button. The display will briefly flash the message **"STORED"**.
- The stations can now be selected with the **►►** or **◄◄** buttons.

## More DAB+ Information

DAB+ transmits additional information to the music signal. You can find this as follows.

Press the **INFO** button on the remote control to retrieve the information in sequence:

- **DLS (Dynamic Label Segment):** Text to accompany the program, such as the artist, song title, album name etc.

Stations that do not support DLS will appear on the display as **"NO DLS"**.

- **Signal strength:** The display shows a series of symbols from left to right.  
The more symbols displayed, the better the reception.
- **PTY (Programme Type):** This shows the station types according to categories, e.g. Pop, News, Religion, Info, Classics.
- Names of stations, e.g. DR Deutschland.
- Display and frequency of the set station.
- **ERR XX:** This shows digital reception's error rate. This can depend on signal levels and can also be used to adjust the aerial.
- **XX K BPS:** Displays the station's data rate e.g. 80 kbps. This may vary from station to station.
- **DABPLUS:** Shows a "DAB+" reception.
- Current time.
- Current date.

## Menu functions for DAB+

The **MENU** button opens a menu where you can set various functions for DAB +. Use the **TUN+** or **TUN-** keys to scroll through the menu. You can set the following functions:

- **FULL SCAN:** A new automatic station search. Confirm this function with the **Enter** button.
- **MANUAL:** This allows you to manually set a specific receive channel. Use the **Enter** button to confirm your selection and the display will show the current channel with its frequency.
- Press the **TUN+** or **TUN-** buttons to manually select another station.
- Use the **Enter** button to confirm your choice. Then, the display will show the signal level and pressing the button again loads the current station.
- **DRC (Dynamic Range Control):** If the station you have selected supports this function, you can adjust the dynamic range accordingly. Potential settings are **"OFF"**, **"LOW"** and **"HIGH"**. Make the selection using the **TUN+** or **TUN-** buttons and confirm with the **Enter** button.
- **PRUNE:** This will remove invalid stations from the station list. Select with the **Enter** button, Y / N with **TUN+** or **TUN-** and **Enter** to confirm.
- **SYSTEM: Only for customer service technicians!**

## Using the FM Radio

Press the **DAB** button on the remote control or the **Source** button on the main unit until "**FM**" appears in the display.

### Setting an FM station

- Press **TUN+** on the remote control to scan up through the channels.
- Press **TUN-** on the remote control to scan down through the channels.
- When you press and hold the **TUN+** or **TUN-** buttons, this starts an automatic station search, which stops when the next station is found.
- Press the **Auto Tune** button to start a station search with automatic station storage. A maximum of 20 stations will be saved in the order that they have been found.
- Press the **»** or **«** button on the remote control or on the main device to scroll through the memory list. If a memory location is unused, it will display as "**EMPTY**".

### Saving stations in the station memory

There are 20 memory locations for storing FM stations so you can find them easily. To use the memory, please do the following:

- Choose the station you want to save.
- Press the **PRG** button until the display flashes and a memory location appears. "**EMPTY**" shows an empty memory slot while an occupied slot is shown by the frequency. You can use a memory location that has been used before.
- Press the **TUN+** or **TUN-** buttons to choose a memory slot.
- Use the **Enter** button to confirm your choice. The message "**STORED**" will briefly flash on the display.
- Choose stations with **»** or **«** buttons.

### FM Menu functions

The **MENU** button opens a menu where you can set various FM functions. Use the **TUN+** or **TUN-** keys to scroll through the menu then press the **Enter** button to confirm your menu selection. You can set the following functions:

- **SCAN SET:** This allows you to automatically store stations when searching. The potential settings are "**ALL**" (all receivable stations) or "**Strong**" (only the strongest stations). Make your selecting using the **TUN+** or **TUN-** keys and confirm your selection by pressing the **Enter** button.
- **AUD SET:** Setting for "**mono**" or "**stereo**" reception. Select using the **TUN+** or **TUN-** keys and confirm your selection by pressing the **Enter** button.
- **SYSTEM: Only for customer service technicians!**

## Using Bluetooth

### Using Bluetooth

Press the BT button on the remote or the **Source** button on the main device until the display shows **"BLUE"**.

### Connecting Bluetooth Devices





The Bluetooth function allows music files to be sent wirelessly to the system (audio streaming). To connect devices (such as smartphones), please follow these steps:

1. Open the connection setting on your Bluetooth device and search for **"M-817DAB"**.
2. Choose **"M-817DAB"** as your connection and wait until the message **"CONNECT"** appears in the display and a tune plays. The connection is now complete.
3. If your Bluetooth device asks for a 4-character PIN, enter **"0000"**.
4. The Bluetooth device has now been saved and will connect automatically in the future.
5. To connect another Bluetooth device, repeat steps 1-3.

### Playback using Bluetooth

To play music via audio streaming, please use an audio player of your choice on your Bluetooth device.

**You now have the following control options:**

- Press  on the remote control or on the device to pause or start the playback.
- Press the  or  buttons on the remote control or main device to go to the previous or next track.
- Pressing the  button stops playback.
- When you press and hold **Enter** on the remote control or the main device for 3 seconds, this disconnects Bluetooth. You will see the message **"BLUE"** on the display. To reconnect, briefly switch to another source, and then back to Bluetooth.

If the Bluetooth connection is disconnected because it is out of range, an automatic reconnection will be made as soon as the distance reduces.

## Using the Line-In

### Playing from external devices

You can connect via Line-in to play back music from external devices such as MP3 players, DVD players or game consoles.

To select this source, press the **Source** button on the remote control, or **Source** on the main unit until the display shows **"LINE IN"**.



## Troubleshooting

For troubleshooting, please check the following:

### No sound

- Ensure the plug is properly plugged in.
- Set the volume to the right level.
- Make sure you have chosen the correct source.

### The left and right speakers are mixed up

- Check the speaker connections and their locations.

### The system is not responding to pressing buttons

- Pull out the plug and then plug it in again.

### Problems with the radio reception

- Adjust the aerial.
- Find the best location.
- Use an outdoor aerial if possible.
- Other electrical devices could be disturbing the signal.
- The location is not suitable for DAB+ signals.

### CD player is showing "NO DISC"

- Insert the CD with the printed side facing upwards.
- Clean the CD.
- Only use compatible CDs.

## USB Operation

**"NO USB"** - Switch the device off and connect the USB device again.

**"NO SONG"** - Please ensure that the USB device has compatible data.

### Remote control will not function properly

- Change the batteries.
- Remove any obstructions.
- Move closer to the main device and make sure that you are pointing the sensor on the remote control towards the device.

## Maintenance and care

**Cleaning the outer casing:** Use a damp cloth with a mild detergent. Do not use cleaners that contain alcohol, ammonia or scouring agents.

### Cleaning CDs

- Clean dirty discs using a special cleaning cloth. Wipe the disc in a straight line from the middle to the edge. Do not use circular motions to clean it.
- Do not use solvents, like white spirit, thinner, commercial cleaning agents or anti-static spray for analogue records.

### Protecting against condensation

Condensation (dew) may build up inside the device if there is a marked difference in temperature between the device and the ambient room temperature. If condensation builds up inside the device, proper functioning can no longer be guaranteed. If this does happen, you will need to wait for a few hours. When the moisture has dried, you can use the device again.

### Particular care is needed in the following conditions

If the device is moved from one location to another where there is a significantly higher or lower temperature, or if humidity builds up in the device, etc.

## Disposal

Disposal of used electronic items and batteries.



The wheeled bin with a cross on it as a symbol on the product or its packaging means that this product should not be treated as normal household waste but must be taken to a collection point for recycling electrical and electronic devices and batteries. Your contribution to properly disposing of this product means you are protecting the environment and the health of your fellow human beings. Improper or incorrect disposal can cause risks to the environment and to health. More information on recycling this product can be obtained from your local authority or your community waste disposal service. Warning: For batteries, the "**Pb**" symbol indicates that they contain lead.

## Technical Data M-817DAB

Power supply	AC voltage 100 - 240 V 50/60 Hz
Input power	40 Watt
Input power in standby mode	< 0.5 Watt
<b>CD operation</b>	
Noise ratio	> 80dB
Dynamic range	> 70dB
<b>Tuner FM/DAB+</b>	
DAB tuning range BAND III	174.928 MHz – 239.200 MHz
FM tuning range	87.50 MHz – 108.00 MHz
<b>Bluetooth</b>	
Bluetooth Version	V2.1+EDR
Performance class	Class 2
Transmission power	4dbm
Range	Approx. 10 metres (can vary depending on the environment)
Frequency band	2.402 GHz – 2.480 GHz
Bluetooth Profile	A2DP (Advanced Audio Distribution Profile, AV- RCP (Audio/Video Remote Control Profile)
<b>USB device</b>	<p>Playable files: MP3 compatible with USB2.0 Full-Speed Compatible with FAT16, FAT32 Maximum 500 mA bit rate: 32 kBit/s to 320 kBit/s</p>
<b>Line-In</b>	3.5 mm Jack socket
<b>Amplifier part</b>	
Output power	2 x 50 Watt / 4 Ohm
Bandwidth	20Hz - 20KHz (+- 3dB)
<b>Weights and measures</b>	
Main unit	(W x H x D) 260 x 130 x 240 mm / 2.56 Kg
Speakers	(W x H x D) 170 x 260 x 240 mm / 1.07 Kg per piece
Temperature range	0°C to 40°C

Reserved for technical amendments

**KENWOOD**