

## ENVIRONMENTAL PROTECTION



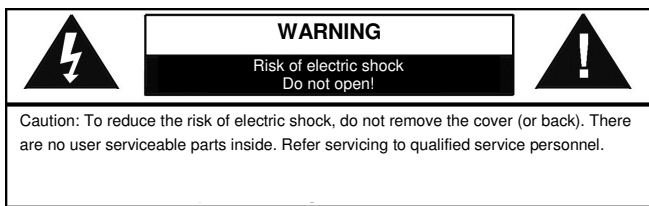
Do not dispose of this product with the normal household waste at the end of its life cycle. Return it to a collection point for the recycling of electrical and electronic devices. This is indicated by the symbol on the product, user manual or packaging.

The materials are reusable according to their markings. By reusing, recycling or other forms of utilization of old devices you make an important contribution to the protection of our environment.

Please contact your local authorities for details about collection points.



**CAUTION - INVISIBLE LASER RADIATION WHEN OPENING THE COVER OR PRESSING THE SAFETY INTERLOCK. AVOID EXPOSURE TO THE LASER BEAM.**



This symbol indicates the presence of dangerous voltage inside the enclosure, sufficient enough to cause electric shock.



This symbol indicates the presence of important operating and maintenance instructions for the device.

### Safety, Environmental and Setup Instructions

- Use the device in dry indoor environments only.
- Protect the device from humidity.
- Do not open the device. **RISK OF ELECTRIC SHOCK!** Refer opening and servicing to qualified personnel.
- Connect this device to a properly installed and earthed wall outlet only. Make sure the mains voltage corresponds with the specifications on the rating plate.
- Make sure the mains cable stays dry during operation. Do not pinch or damage the mains cable in any way.
- Disconnect device warning: Main plug is used as the connection, so it should always remain ready operate.
- The mains plug is used as the disconnect device, the disconnect device shall remain readily operable.
- A damaged mains cable or plug must immediately be replaced by an authorized service center.
- In case of lightning, immediately disconnect the device from the mains supply.
- Children should be supervised by parents when using the device.
- Clean the device with a dry cloth only.  
Do NOT use CLEANING AGENTS or ABRASIVE CLOTHS!
- Do not expose the device to direct sunlight or other heat sources.
- Install the device at a location with sufficient ventilation in order to prevent heat accumulation.
- Do not cover the ventilation openings!
- The ventilation should not be impeded by covering the ventilation openings with items, such as newspaper, table-cloths, curtains, etc.
- It shall be not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.
- The unit should not be exposed to direct sunlight, very high or low temperature, moisture, vibrations or placed in dusty environment.
- Never attempt to insert wires, pins or other such objects into the vents or opening of the unit.
- Install the device at a safe and vibration-free location.
- No naked flame sources, such as lighted candles, should be placed on the apparatus.
- Install the device as far away as possible from computers and microwave units; otherwise radio reception may be disturbed.
- Do not open or repair the enclosure. It is not safe to do so and will void your warranty. Repairs only by authorized service/ customer center.
- The device is equipped with a "Class 1 Laser". Avoid exposure to the laser beam as this could cause eye injuries.
- Only use mercury and cadmium-free batteries.
- Batteries shall not be exposed to excessive heat such as sunshine, fire or the like.
- Used batteries are hazardous waste and NOT to be disposed of with the household waste!!! Return the batteries to your dealer or to collection points in your community.
- Keep batteries away from children. Children might swallow batteries. Contact a physician immediately if a battery was swallowed.
- Check your batteries regularly to avoid battery leakage.



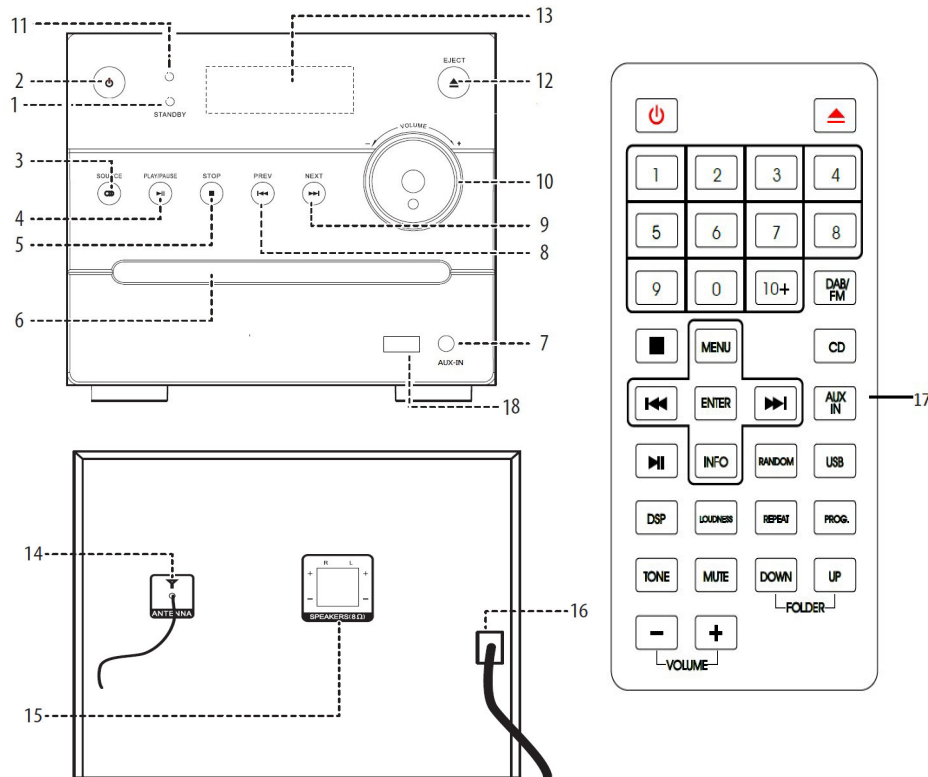
**Used batteries are hazardous waste and NOT to be disposed of with the household waste!** As a consumer you are **legally obligated** to return **all batteries** for environmentally responsible recycling – no matter whether or not the batteries contain harmful substances\*).

**Return batteries free of charge to public collection points in your community or to shops selling batteries of the respective kind.**

**Only return fully discharged batteries.**

\*) marked Cd = cadmium, Hg = mercury, Pb = lead

## LOCATION OF CONTROLS



- |    |                             |    |                   |
|----|-----------------------------|----|-------------------|
| 1  | STANDBY INDICATOR           | 11 | IR sensor         |
| 2  | STANDBY Button              | 12 | DISC EJECT button |
| 3  | SOURCE/SELECT button        | 13 | LCD display       |
| 4  | ▶▶/PLAY/PAUSE/ENTER button  | 14 | ANTENNA cable     |
| 5  | STOP button                 | 15 | SPEAKER terminals |
| 6  | CD drawer                   | 16 | MAINS CABLE       |
| 7  | Aux-in Jack                 | 17 | Remote Control    |
| 8  | ◀◀ / PREVIOUS /SCAN- button | 18 | USB JACK          |
| 9  | ▶▶ / NEXT / SCAN+ button    |    |                   |
| 10 | VOLUME CONTROL              |    |                   |

## Connecting the speakers

1. Unwrap the speaker wires.
2. Place a speaker on either side of the main unit, preferably at the same height, and with at least 150mm between each speaker and the main unit.
3. Connect the speaker wires to the terminals on the rear of the unit. Take care to match the speaker placed to the LEFT to the LEFT output on the rear of the unit. Repeat for the RIGHT speaker.
4. When connecting ensure the **RED** wire connects to the **RED** terminal and the **BLACK** wire to the **BLACK** terminal.

## Connecting the mains power

Before operation, please make sure that the VOLTAGE mentioned on the unit is same as the voltage of your local area. Unravel the AC power cord, insert one end into the AC socket on the set and the other end into a standard AC outlet.

## ATTENTION

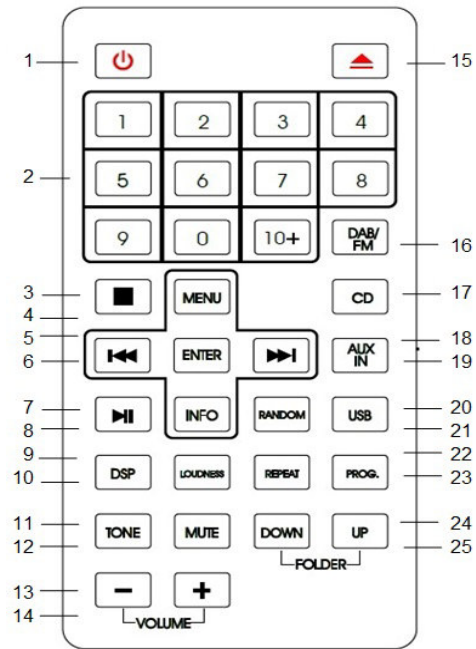
1. Do not plug or unplug the power cable while you have wet hands;
2. If you plan not to use the unit for a long time, disconnect the power cable from the wall outlet;
3. When disconnecting the power cord from the wall outlet, do not pull on the cord in order to avoid shock risks caused by damaged cable.

## Standby mode

Press the **STANDBY** button on the unit or press the **STANDBY** button on the remote to put the system into standby mode. To resume normal operation, press either button again.

NOTE: This unit is designed to enter STANDBY mode automatically after 10 MINUTES (approximately) of inactivity. Press the STANDBY button to wake the unit. When you power on the unit from standby the last used mode will resume.

## Basic operation for Remote Control



### **1. STANDBY**

Press to switch on the unit. Press it again to put the unit in standby mode.

### **2. NUMERIC BUTTONS**

The numeric buttons can be used to input numbers or make selection of a track or the stored radio station, etc.

### **3. STOP**

Press to stop a playback

### **4. MENU**

In radio mode, press to select different function.

### **5. PREVIOUS**

Press to skip to the previous track or previous radio station. Hold down for revise backward.

### **6. ENTER**

Press to confirm the setting or the function

### **7. PLAY/PAUSE**

Press to temporarily pause a playback. Press it again to resume the playback.

### **8. INFO**

Press display the information of the current radio station

### **9. DSP**

Press to select different EQ system.

### **10. LOUDNESS**

**Press to** add a rounder bass and treble sound.

### **11. TONE**

Adjust the Bass & Treble tone controls

### **12. MUTE**

Press to silence the output.

### **13. VOLUME -**

Press to decrease the volume

### **14. VOLUME +**

Press to increase the volume

### **15. CD EJECT**

Press to reject the CD

### **16. DAB/FM**

Select DAB / FM mode

### **17. CD**

Select the CD Mode

### **18. NEXT**

Press to skip to the next track or next radio station or Hold down for fast forward.

### **19. AUX-IN**

Select the Aux-in mode

### **20. USB**

Select the USB Mode

### **21. RANDOM**

Press the track in random sequence. Press again to resume normal sequence.

### **22. REPEAT**

Press to select different repeat mode

### **23. PROGRAM**

Press to program the CD track and radio station

### **24. FOLDER DOWN**

Press to select the previous MP3 folder

### **25. FOLDER UP**

Press to select the next MP3 folder.

### Volume controls

**1:** Rotate the **VOLUME** control **on the main unit** clockwise or press the **VOLUME+** button **on the remote control** to increase the volume level.

**2:** Rotate the **VOLUME** control **on the main unit** anti-clockwise or press the **VOLUME-** button **on the remote control** to increase the volume level.

### Mute function

**1:** Press the **MUTE** button on the remote control at any time to silence the output.

**2:** Press again to resume audio output.

### Tone controls

Adjust the Bass & Treble tone controls if required.

**1:** Press the **TONE** button on the remote control.

**2:** The first adjustment is Bass. Use the **VOLUME CONTROL** on the main unit or **VOLUME +/-** buttons on the remote to adjust.

**3:** Press the **TONE** button again to edit the Treble. Use the **VOLUME CONTROL** on the main unit or **VOLUME +/-** buttons on the remote to adjust.

### DSP effects

Pressing the **DSP** button on the remote repeatedly cycles through a set of **EQ** presets to alter the sound field.

**Sequence: Classic > Rock > Pop > Jazz > Flat**

### Loudness function

This function adds a rounder bass and treble sound at low levels.

**1:** Press the **LOUDNESS** button on the remote to enable.

**2:** Press again to disable the effect.

Note: Under "LOUDNESS" Mode, you cannot control the bass and treble level.

### Switching modes

**1.** Press the **SOURCE** button on the main unit to cycle through the options.

To switch between the available modes : **DAB+ > FM > CD > AUX IN.**

**2.** Or press the relevant button on the remote control from **CD, DAB/FM (press repeatedly to cycle between DAB & FM) , & AUX IN.**

### DAB RADIO OPERATION

After switching to **DAB** input mode for the first time a full scan of **DAB** stations is performed automatically.

1. To activate the full scan, press the **MENU** button on the remote control. When you see the **<Full Scan>** option press the **ENTER** button. The unit will search for all available **DAB** stations that can be tuned.
2. During the scanning, the LCD will display a slide bar that indicates the progress of the scan, and the amount of radio stations that have been found so far. Once the scan has finished, the radio will select the first alphanumeric station.
3. Listen to the located **DAB** stations use either **PREVIOUS** or **NEXT button** on the unit, or on the remote to cycle through the stations. When you reach the desired station, press the **ENTER** button on the unit, or on the remote to begin playback of that station.,  
NOTE: If no stations were found, or no DAB stations can be received currently [No DAB Station] will be displayed. In this case you may need to perform another station scan.

### Manual Tune

You can also manually tune the receiver. This can help when aligning your aerial or when adding stations that were missed while auto tuning.

1. Press the **MENU** button in **DAB** mode, use either **PREVIOUS** or **NEXT button** to find **<Manual tune>**. Press the **ENTER** button on the unit, or on the remote to confirm the manual tune.
2. Press either **PREVIOUS** or **NEXT button** on the unit, or on the remote cycle through the DAB channels, which are numbered from 5A to 13F
3. After your desired channel number is reached, press the **ENTER** button to confirm. The display will show the multiplex.
4. Press the **MENU** button to exit.

### To Store the DAB Stations in the Memory

1. In DAB mode, select the desired DAB station
- 2:** Press & hold one of the numeric buttons from **1- 0** to store the station under that number. You will see Preset X Stored appear on the display with X being the number you stored the station under.
3. To save 10<sup>th</sup> – 20<sup>th</sup> stations, press the 10+ and then Press & hold one of the numeric buttons from **1- 0** to store the station under that number.

### **To Recall the Stored DAB Station**

1. In DAB mode, press the **PROG.** button on the remote.
2. Press either **PREVIOUS** or **NEXT button** on the unit, or on the remote to recall the stored DAB station.
3. Press the **ENTER** button to confirm the desired station.

### **DAB station information**

Press the **INFO** button to display the information of the current DAB station in the sequence below

#### **DLS (Dynamic Label Segment)**

Dynamic label segment is a scrolling message that the broadcaster may include with their transmissions. This message usually includes information, such as program detail etc.

#### **Signal Strength**

Displays how strong the current signal being received is.

#### **Program type**

This describes the "Style" or "genre" of music that is being broadcast e.g. "Rock" or "Classical".

#### **Ensemble/Multiplex (Group name)**

A multiplex/ensemble is a collection of radio stations that are bundled and transmitted on one frequency.

There are national and local multiplexes. Local ones contain stations that are specific to that area e.g. MXR West.

#### **Channel Frequency**

Displays the frequency information for the current station.

#### **Signal Error**

Displays information regarding the error rate in the signal.

#### **Bit rate**

This displays the type of broadcast you are receiving e.g. mono or stereo and what bit rate is being used.

### **Prune**

When the radio has performed a Scan in several locations you may find there are stored stations that you can no longer receive. This function automatically removes them from the stored station list.

1. Press the **MENU** button in **DAB** mode, use either **PREVIOUS** or **NEXT button** to find **<Manual tune>**.
2. Select YES and press ENTER to confirm.

### **DRC ( Dynamic Range Control )**

This causes the radio to reduce the dynamic range of the audio signal. The purpose of this is to adapt the dynamic range of the audio signal to listening in a noisy environment.

1. Press the **MENU** button in **DAB** mode, and use **PREVIOUS** or **NEXT button** on the unit, or on the remote find **<DRC>** and press the **ENTER** button.
2. Choose between **DRC** off, **DRC** Low and **DRC** High by using either **PREVIOUS** or **NEXT button** on the unit, or on the remote
3. Press the **ENTER** button to save the setting.

### **FM RADIO OPERATION**

1. In **FM** mode, press the **MENU** button, when **<Scan Setting>** appears on the display press the **ENTER** button to view the submenu.

2: Select either **ALL STATIONS (which will detect any station, even with a weak signal)** or **STRONG STATION ONLY (which will only detect stations with a good signal strength)**. Press the **ENTER** button to save the setting.

3. Press and hold either **PREVIOUS** or **NEXT button** on the unit, or on the remote to scan the FM station.

Note: For best reception, fully extend the FM telescopic antenna to receive FM station.

#### **Manual tune**

Press either **PREVIOUS** or **NEXT button** on the unit, or on the remote and the unit will skip 0.05 MHz in the direction of skip.

### **To Store the FM Stations in the Memory**

1. In FM mode, select the desired FM station

2: Press & hold one of the numeric buttons from 1- 0 to store the station under that number. You will see Preset X Stored appear on the display with X being the number you stored the station under.

3. To save 10<sup>th</sup> – 20<sup>th</sup> stations, press the 10+ and then Press & hold one of the numeric buttons from 1- 0 to store the station under that number.

### **To Recall the Stored FM Station**

To select a preset, just press the required numeric button on the remote control in the **FM** mode to activate the station you stored.

### **FM MONO/ STEREO Mode**

1. Press the **MENU** button in **FM** mode, and use either **PREVIOUS** or **NEXT button** on the unit, or on the remote to find **<Audio Setting>** and press the **ENTER** button.
2. Choose between **<Forced Mono>** and **<Stereo allowed>**
3. Press the **ENTER** button on the remote to save the setting.
4. Press **MENU** button on the remote to exit.

### **FM Station Information**

Press **INFO** button on the remote to display the information of the current FM station in the sequence below :

#### **Radio text**

As with DAB, the broadcaster can include a scrolling text that displays information about the current program. If Radio text information is not available, then the display will show **<No RadioText>**.

#### **Program type**

This describes the "Style" or "genre" of music that is being broadcast e.g. "Rock" or "Classical". If no programme type has been set then **<No PTY>** will be displayed.

#### **Radio Frequency**

This will display the frequency of the current station.

#### **Audio mode**

This denotes whether the station is in Stereo or Mono mode.

### **System Reset**

There may be times when you need to reset your unit back to the factory settings especially when you have moved house. If you experience reception problems you may want to reset and try again. If you move to another part of the country and pick up the local and national DAB stations in that area, your previously tuned channels may no longer be available.

1. Press the **MENU** button in **DAB or FM** mode, and use **PREVIOUS** or **NEXT button** on the unit, or on the remote find **<Setting>** and press the **ENTER** button.
2. use **PREVIOUS** or **NEXT button** on the unit, or on the remote find **<Factory Reset>** and press the **ENTER** button.
3. Select **YES** and press **ENTER** button to confirm, then it will automatically enter DAB mode and perform auto scan.

**Note :** After the system reset, all the previous stored DAB+ or FM stations will be erased from the memory.

### **CD/MP3 Disc OPERATION**

1. Press the **SOURCE** button on the main unit or **CD** button on the remote control to select the **CD mode**.
2. Press the **EJECT** button, when the disc drawer pops out insert a disc (**label side facing upwards**), press the **EJECT** button again to close.
3. Playback will begin automatically from Track **01**.
4. To stop playback press the **STOP** button on the main or remote control..
5. To pause playback, press the **PLAY/PAUSE** button on the main unit or remote. To resume playback, press **PLAY/PAUSE** button on the main unit or remote once more.
5. While listening to a disc, a specific track number can be played by pressing the relative digit on the number buttons. For example, track 6 would be 06. To play track 12 you would press the 1 button then 2.

### **USB OPERATION**

1. Press the **SOURCE** button on the main unit or **USB** button on the remote control to select the **USB mode**.
2. Insert the USB device to the USB Jack.
3. Playback will begin automatically from Track **01**.
4. To stop playback press the **STOP** button on the main or remote control..
5. To pause playback, press the **PLAY/PAUSE** button on the main unit or remote. To resume playback, press **PLAY/PAUSE** button once again.
6. While listening to a disc, a specific track number can be played by pressing the relative digit on the number buttons. For example, track 6 would be 06. To play track 12 you would press the 1 button then 2.

### **Programming For CD files**

The programming should be done during **STOP** mode

1. Press the **PROG** button, the display will show **'P-01'** and **"T-000"** (**P-XX means the program track number and T-XXX means the track number in the CD disc**).
2. Use the **PREVIOUS** or **NEXT button** on the unit, or on the remote to select the desired track.
3. Press the **PROG** button again to store the selected track in the memory, the LCD display will show **'P-02'** and **"T-000"**.
4. Repeat steps 2 to 3 to store more tracks in the memory. You can store up to 20 tracks in the memory for CD disc. It will show **"MEMFULL"** when the memory is full.
5. Press the **PLAY/PAUSE** button on the main unit or remote to start playing the disc in the programmed order. The LCD display will show **"MEM"**.
6. To stop playing, press the **STOP** button.
7. To cancel the programming list, press the **STOP** button twice or select other modes.

### Programming for MP3 files

The programming should be done during **STOP** mode

1. Press the **PROG** button, the display will show 'P-01' and "F-000" ( **P-XX means the program track number and F-XXX means the folder number in the MP3 files**).
2. Use the **PREVIOUS** or **NEXT button** on the unit, or on the remote to select the desired folder. Press the PROG button to confirm.
3. Then, the display will show T-000 (T-XXX means the track number in the folder)
4. Use the **PREVIOUS** or **NEXT button** on the unit, or on the remote to select the desired track.
5. Press the **PROG** button again to store the selected track in the memory, the LCD display will show 'P-02' and "F-000".
6. Repeat steps 2 to 3 to store more tracks in the memory. You can store up to 99 tracks in the memory for MP3 files. It will show "MEMFULL" when the memory is full.
7. Press the **PLAY/PAUSE** button on the main unit or remote to start playing the disc in the programmed order. The LCD display will show "MEM".
8. To stop playing, press the **STOP** button.
9. To cancel the programming list, press the **STOP** button twice or select other modes.

### Repeat Play Mode

Press the **REPEAT** button to select repeat play mode with the following sequence.

#### REP1 ➔ REP ALL ➔ Normal

- **REP1** – repeat the track being played.
- **REP ALL** – repeat all the tracks in the storage media.
- **Normal** – play the tracks in sequence.

### Skip Mode

1. During play mode, press either **NEXT button** on the unit, or on the remote to go to the next track.
2. During play mode, press either **PREVIOUS button** on the unit, or on the remote to go back to the beginning of the track. Press twice to the previous track.
3. During Play mode, press the **10+** button to skip 10 tracks.

Note: The disc will play the last track if **10+** button is pressed and it will exceed the total number of the track

4. During Play mode, press **FOLDER UP** or **FOLDER DOWN** on the remote to select the desired folder.

### RANDOM

Press the **RANDOM** button on the remote. The **CD** contents will be played once in a random order. You will see '**RANDOM**' on the display. Press once again to play in the normal sequence

### AUX IN CONNECTION

1. Press the **SOURCE** button on the main unit or CD button on the remote control to select the **AUX mode**.
2. Insert one side of the audio cable (requires 3.5mm stereo plug, not supplied) into the line-out jack or phones jack on your audio device and the other side to the aux-in jack on the unit.
3. Turn on your audio device and follow the playback instruction.
4. To stop this function, press SOURCE button to select different mode.

### Important Note

#### Automatic standby switching

To comply with the ERP2 directive, when the unit receives no signal after approximate 10 minutes, the unit will automatically switch to STANDBY mode. To switch the unit on again, press the standby button on the main unit or remote.

### Specifications

Frequency Range:	DAB+/DAB 174 – 240 MHz FM 87.5 - 108 MHz
Power Supply:	AC 230V ~ 50Hz

Specifications are subject to change without further notice.