

USER MANUAL **MECHLESS USB/SD MEDIA PLAYER**

## OVERVIEW OF YOUR MEDIA PLAYER



PLL SYNTHESIZER STEREO RADIO

MP3 / WMA PLAYER

FULL DETACHABLE PANEL

USB / SD INTERFACE

3.5MM JACK INPUT

BLUETOOTH MUSIC FUNCTION

### CONTROLS

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### OPERATION

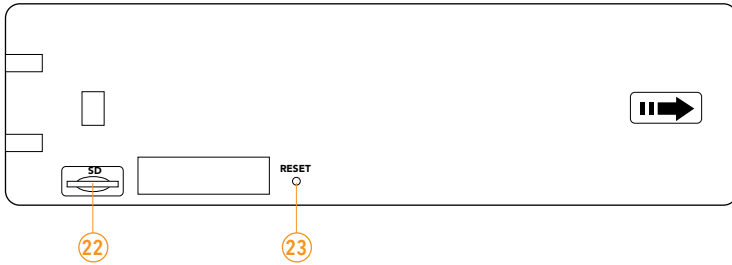
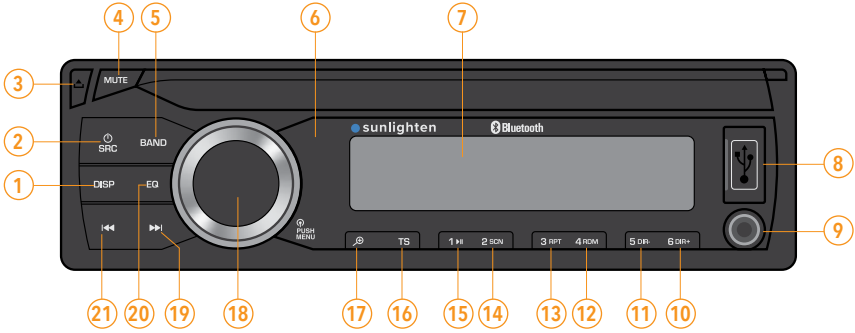
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LOCATION OF CONTROLS



- |                        |                 |                         |
|------------------------|-----------------|-------------------------|
| ① DISP button          | ⑨ AUX IN jack   | ⑬ MP3 search button     |
| ② SRC [source] button  | ⑩ 6 DIR+ button | ⑭ VOL/POWER/MENU button |
| ③ panel release button | ⑪ 5 DIR- button | ⑮ SEEK UP button        |
| ④ MUTE button          | ⑫ 4 RDM button  | ⑯ EQ button             |
| ⑤ BAND button          | ⑬ 3 RPT button  | ⑰ SEEK DOWN button      |
| ⑥ IR sensor            | ⑭ 2 SCN button  | ⑱ RESET button          |
| ⑦ LCD display          | ⑮ 1     button  | ⑳ TF card slot          |
| ⑧ USB port             | ⑯ TS button     |                         |

## **SPECIFICATION**

### **GENERAL**

|                           |                              |
|---------------------------|------------------------------|
| Power supply requirements | DC 12 volts, negative ground |
| Chassis dimensions (mm)   | 178 (W) x 97 (D) x 50 (H)    |

### **TONE CONTROLS**

|                      |                  |
|----------------------|------------------|
| Bass (at 100 Hz)     | + 10 dB          |
| Treble (at 10 kHz)   | + 10 dB          |
| Maximum output power | 4 x 40 watts     |
| Current drain        | 10 ampere (max.) |

### **RADIO**

|                        |                 |
|------------------------|-----------------|
| Frequency coverage     | 87.5 to 108 MHz |
| Sensitivity (S/N=30dB) | 4 $\mu$ V       |
| Stereo Separation      | >25dB           |


### **FM**



### **MW**

|                        |                 |
|------------------------|-----------------|
| Frequency coverage     | 522 to 1620 KHz |
| Sensitivity (S/N=20dB) | 36 dBuV         |

## CONTROLS

### KEY FUNCTIONS

| BUTTON  | ACTION      | RADIO                            | USB/SD                         | BT                            | F-AUX/ R-AUX                  |
|---|-------------|----------------------------------|--------------------------------|-------------------------------|-------------------------------|
| 1  | Short press | Recall M1 station                | PAUSE/PLAY/<br>SEARCH:1        | PAUSE/ PLAY                   | /                             |
|   | Long press  | Store station to M1              | /                              | /                             | /                             |
| 2/SCN   | Short press | Recall M2 station                | SCN on/off<br>SEARCH:2         |                               | /                             |
|   | Long press  | Store station to M2              | /                              | /                             | /                             |
| 3/RPT   | Short press | Recall M3 station                | RPT FLOD/ONE /<br>ALL/SEARCH:3 |                               | /                             |
|   | Long press  | Store station to M3              | /                              | /                             | /                             |
| 4/RDM   | Short press | Recall M4 station                | RDM on/off<br>SEARCH:4         |                               | /                             |
|   | Long press  | Store station to M4              | /                              | /                             | /                             |
| 5/DIR-  | Short press | Recall M5 station                | DIR-/SEARCH:5                  |                               | /                             |
|   | Long press  | Store station to M5              | -10                            |                               | /                             |
| 6/DIR+  | Short press | Recall M6 station                | DIR+/SEARCH:6                  |                               | /                             |
|   | Long press  | Store station to M6              | +10                            |                               | /                             |
| TS  | Short press | Preset scan stations of 1-6      | /                              |                               | /                             |
|   | Long press  | Auto store station to 1-6 of FM3 | /                              | /                             | /                             |
| EQ  | Short press | FLAT/POP/ROCK/<br>CLAS/EQ OFF    | FLAT/POP/ROCK/<br>CLAS/EQ OFF  | FLAT/POP/ROCK/<br>CLAS/EQ OFF | FLAT/POP/ROCK/<br>CLAS/EQ OFF |
|   | Long press  | XBASS on/off                     | XBASS on/off                   | XBASS on/off                  | XBASS on/off                  |

| BUTTON   | ACTION      | RADIO   | USB/SD  | BT  | F-AUX/ R-AUX  |
|--|-------------|---|---|---|---|
| DISP   | Short press | CLK-PS-PTY-FREQ   | Play time->ID3<br>ID3->Play time/<br>SEARCH:0                   | Show clock  | Show clock  |
|  | Long press  | Clock setting   | 1st: show clock<br>2nd: clock setting                           | /   | /   |
|     | Short press | /   | Song searching  | /   | /   |
|  | Long press  | /   | /   | /   | /   |
|     | Short press | Seek down   | Previous/<br>SEARCH:8   | Previous  | /   |
|  | Long press  | Manual turning<br>down  | Fast reverse  | /   | /   |
|     | Short press | Seek up   | Next/<br>SEARCH:9   | Next  | /   |
|  | Long press  | Manual turning<br>up  | Fast forward  | /   | /   |
|  SRC | Short press | Power on/<br>source change                                      | Power on/<br>source change                                      | Power on/<br>source change                                      | Power on/<br>source change                                      |
|  | Long press  | Power off   | Power off   | Power off   | Power off   |
| BAND   | Short press | FM1-FM2-FM3-<br>AM1-AM2   | /   | /   | /   |
|  | Long press  | /   | /   | /   | /   |
| VOLUME   | Rotary      | Volume +/-  | Volume +/-<br>Search: 0-9999                                    | Volume +/-  | Volume +/-  |
| MENU<br>(push VOL)   | Short press | BASS/TRE/BAL/<br>ART/EQ/XBASS/<br>BEEP/DX/STEREO/<br>CLOCK/AREA | BASS/TRE/BAL/<br>ART/EQ/XBASS/<br>BEEP/DX/STEREO/<br>CLOCK/AREA | BASS/TRE/BAL/<br>ART/EQ/XBASS/<br>BEEP/DX/STEREO/<br>CLOCK/AREA | BASS/TRE/BAL/<br>ART/EQ/XBASS/<br>BEEP/DX/STEREO/<br>CLOCK/AREA |
|  | Long press  | (AF)/TA/TAVOL/<br>(REG)   | (AF)/TA/TAVOL/<br>(REG)   | (AF)/TA/TAVOL/<br>(REG)   | (AF)/TA/TAVOL/<br>(REG)   |



## OPERATION

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### BASIC OPERATION

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#### TURN PLAYER ON/OFF

Press  SRC button to turn the player on. When system is on press and hold  SRC button to turn the player off.

#### MENU SETTING

Please set the Radio AREA /REGION to **EUR**

Repeatedly press **MENU** button for audio menu: BASS-TRE (Treble) -BAL(Balance)-ART(on/off)-EQ(flat/pop/rock/clas/off)-XBASS(on/off)-BEEP(on/off)-DX(Loc)-STEREO(MONO)-CLOCK(12/24)-**AREA(EUR/USA/LAT)**.

In each item rotate the VOL knob to set them.

#### LOC ON/OFF

**LOC ON:** To reduce the receiving sensitivity when you search stations, which means you can receive the stations that sound clear.

**LOC OFF:** Don't reduce receiving sensitivity when you search stations, which means you can receive more stations.

#### STEREO/MONO





**STEREO:** Receiving FM stereo signal.

**MONO:** Change to monochrome when the signal is not strong as this will reduce noise.

#### TA VOL

To define the minimum volume of traffic announcements. If the main volume is under the TA volume. When a traffic announcement station was received the main volume will be raised up to the TA volume automatically.

#### CLOCK SETTING

**(1) MANUAL SETTING:** Press and hold **DISP** button for 2 seconds. The hour of the time display will be flashing. Press /  button (or rotating the audio knobs) to set the hour. Press **DISP** button shortly to change to minutes. Also use the /  button (or rotating the audio knob) to set the correct minutes. Then press **DISP** to confirm your selection.



**CLOCK SETTING**

**(2) MANUAL SETTING:** Switching on the **AF** function and received a **RDS** station which has a good signal (The **AF** symbol of the **LCD** does not flash). Several minutes later the time will be synchronised to the correct time according to the station's signal. (**NOTE:** None **RDS** station does not have this function).

**AUX FUNCTION**

The player has 2pcs of 3.5mm jack. It can be connected to a portable audio player through the **AUX IN** jack. Pressing **SRC** button to switch to **F-AUX/R AUX** mode when inserted and audio source to the player.

**RESET FUNCTION**

The **RESET** button is to be activated for the following reasons:

(1) All the function buttons do not operate.

(2) Error symbol on the display.

**NOTE:** When **RESET** button is pressed all the memory will be lost.

**RADIO OPERATION****RECEIVE A RADIO STATION**

Press **SCR** button to select radio mode. Then press **BAND** button to select a band. Shortly press **▶▶/|◀◀** button to receive the desired radio station. Press and hold **▶▶/|◀◀** button to manually tune the frequency.

**AUTO STORE STATIONS**

Press **TS** button for 2 seconds to auto store stations to numeric buttons 1-6 of band 3.

**PRESET SCAN STATIONS**

Shortly press **TS** button to scan the preset stations stored in numeric buttons 1-6 of band 1-3.

**MANUALLY STORE STATION  
& RECALL PRESET STATION**

To tune a station, press one of the preset buttons 1-6 for 2 seconds. The current station is stored into the number button. Shortly press the preset button 1-6 to directly listen to the station saved in the corresponding preset button.

## OPERATION

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### RDS (RADIO DATA SYSTEM) OPERATION

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**ALTERNATIVE FREQUENCY (AF)** Press **AF** button to switch on/off **AF** function.

**AF ON** Symbol **AF** appears on the display. Program name is displayed on receiving a **RDS** station. **AF** symbol starts blinking if the broadcasting signal gets worse. It will start to search the stronger station in **AF** list and switch to that station. If no stronger station is found in **AF** list it will activate the **PI SEEK** mode to search stations which as same **PI**.

**ALARM** **ALARM** will be displayed when an emergency broadcasting is received, meanwhile sound output level will be adjusted to the preset output level automatically when the volume control is set at minimum.

**AF OFF** switch off the **AF** mode.

**REG ON** the current listening program remains unchanged.

**REG OFF** it allows the reception to move to the regional station.

**TRAFFIC ANNOUNCEMENT (TA)** Press the **TA** button to turn **TA** function on/off.

**TA ON** When received a **TA** station it will switch temporarily to radio mode to listen to the **TA** station whatever **RADIO/USB/SD/AUX/BT** mode. If the volume level was under the **TA** volume it will be raised to the **TA** volume automatically.

**TA OFF** Turn **TA** function off.


### USB/SD OPERATION

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When a **USB** drive/**TF** card is inserted the unit will play the **MP3/WMA** file automatically. If a **USB/TF** drive is already inserted into the unit keep pressing the **SRC** button shortly until the **USB/SD** mode display appears.

**SELECT FILE** Press **▶▶/◀◀** button to select the following/previous file. Hold **▶▶/◀◀** button to fast forward or fast reverse.

**PLAY/PAUSE FUNCTION**

Press  button to pause playing. Press it again to resume play.

**SCAN FUNCTION**

Press **SCN** button to turn on/off the **SCAN** function.

**SCN ON:** playing first 10 seconds of each file.

**SCN OFF:** cancel **SCAN** function.

**REPEAT FUNCTION**

Press **RPT** button to select one of the following repeats:

**REPEAT FOLDER:** repeat all the files in the folder.

**REPEAT ONE:** always repeat the same file.

**REPEAT ALL:** repeat all files (default).

**RANDOM FUNCTION**

Press **RDM** button to turn on/off the random function:

**RDM ON:** to play all the files in random order.

**RDM OFF:** cancel random function.

**DIRECTORY UP/DOWN**


Press **DIR-/DIR+** button to select previous directory or next directory.


**+10/-10 FILE FUNCTION**


Press and hold button **DIR-/DIR+** for **+10/-10** function.

**FILE SEARCH**

There are two ways to search for songs: **DIR** and **NUM** search.

Press  button to select these.

**(1) DIR SEARCH :** Press  button once. It will show **DIR SCH**. Rotating the **VOL** knob to select the folder then press **VOL** knob into the folder. Rotating the **VOL** knob again to select the file. Then press **VOL** to confirm. The unit searches the selected song to play.

**(2) NUM SEARCH:** Press  button twice. It will show **NUM SCH**. You can select the file by directly entering numeric buttons 0-9 (EQ=7, **◀◀** = 8, **▶▶** = 9). You also can rotate the **VOL** knob to select the numbers. When file number has been selected, press the **VOL** knob for seconds. The unit then searches the files after a few seconds even if the **VOL** knob is not pressed.

## OPERATION

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**NOTE:** When connecting an MP3 player which has a non rechargeable battery, you should remove that battery from the MP3 player prior to connecting via the USB interface. Otherwise it may cause the battery to burst.

### CAUTION

When there are important files on the USB drive/TF card, do not connect it to the main unit to play as any wrong operation may cause file loss. We cannot accept responsibility for the safety of your files.

## BLUETOOTH OPERATION

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### PAIRING

On mobile phone, select the bluetooth item and search for bluetooth device. 'Sunlighten' should appear in the list, select 'Sunlighten' and then input password '0000' if a password is required. When successfully paired the BT mark will be displayed on LCD.

### BLUETOOTH AUDIO

Press **SRC** button to switch to BT mode. It will play a song from your mobile device automatically. Press **▶||** to pause/play the song. Press **▶▶|/|◀◀** button to select next/previous song.

| <b>ISSUE</b>   | <b>POSSIBLE CAUSE</b>   | <b>SOLUTION</b>   |
|--|---|---|
| No power.  | The sauna is not switched on.<br>The fuse has blown.              | Turn sauna power on.<br>Replace the fuse.                     |
| No sound.  | Volume is set to minimum.<br>Wiring is not properly connected.    | Adjust volume to a desired level.<br>Check wiring connection. |
| The operation keys do not work.                      | The builtin microcomputer is not operation properly due to noise. | Press the reset button.                                       |
| The radio does not work.                             | The antenna cable is not connected.                               | Insert the antenna cable firmly.                              |
| The radio station automatic selection does not work. | The signals are too weak.   | Select a station manually.                                    |

For other troubleshooting questions, please contact customer service on 1800 786 544.

## WARRANTY

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Sunlighten Corp. and its affiliates (including Sunlighten Pty Ltd) warrant Sunlighten to be free of defects in material and workmanship. This warranty extends only to the original retail or wholesale purchaser of the sauna and terminates upon transfer of ownership. The sauna must be purchased and used within one year of manufactured date. This warranty is void if the sauna has been altered, misused, abused or exposed to water. Such instances shall include operation or maintenance of the sauna in deviation to the published instructions. The warranty extends only to the manufacturing defects and does not cover the damages resulting from mishandling of the product by the owner.

Sunlighten Corp. (and affiliates Sunlighten Pty Ltd), shall not be liable for the loss of use of the sauna or other incidental or consequential damages. Under no circumstances shall Sunlighten Corp. (and affiliates Sunlighten Pty Ltd), or any of its representatives be held liable for injury to any persons or damages to any properties.

The sauna is for indoor use. If placed outside, protection from the weather is required by way of a covering roof and side protection against rain, sun and storm damage. If the sauna is exposed a covering roof and a Sunlighten outdoor cover is required in order for the warranty to be maintained. The cover is designed to protect the sauna sides from light rain and sun only; further protection will be required against possible storm damage. The warranty does not apply if the sauna is placed in a moist environment or the above precautions not taken.

It is the responsibility of the owner to ensure protection from termites, white ants and any infestation at all times.

Specifications are subject to change without notice:

### **Sauna Accessories**

Mechless USB media player 1 year manufacturer's warranty





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