This player combines **USB/MP3-player,Bluetooth-receiver and a tuner receiver supporting AM/FM(RDS)/DAB+(DAB).**

Listening to DAB+(DAB):

Provides a solution of Digital audio broadcasting (DAB+), the signals of which are transmitted in-band, on-channel (IBOC). Several stations can be carried within the same frequency spectrum. And with outstanding features including improved sound quality, reduced fading and multipath effects, enhanced immunity to weather, noise, and other interference, and expansion of the listener base by increasing the number of stations that can broadcast within a given frequency band.

Since the DAB system is broadcasted in digital format, DAB system can supply crystal-clear audio and stable reception even in mobile objects. DAB is a new generation radio which can provide data service and supplementary multi-media services.

※ The main difference between DAB and DAB+ is the type of audio codec used.

DAB: MPEG2

DAB+: MAEG4 (AAC)

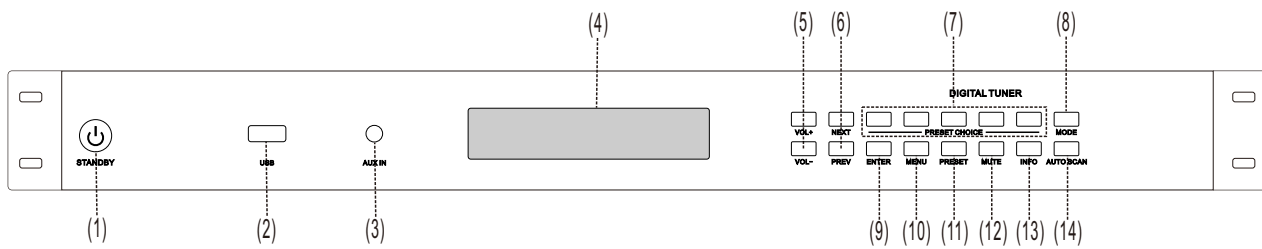※ This unit can receive both DAB and DAB+ broadcasts.

Remark for the feature of RDS/DAB/DAB+: To lower the cost of this player,RDS/DAB/DAB+ can be removed for the markets where this feature is not compulsory.

On the rear side the outputs are provided with RCA & XLR connection interface.And a RS232 serial interface that can be used for external control of the host device and to configure settings.In the serial remote control function,a host such as a computer is connected to the unit.By sending control commands from the host to the unit, the unit can be operated.

This player can be operated through the front panel pushbuttons,also can be done through its remote control.

Removable rack mounting brackets are supplied,1U height design for installation in standard equipment rack or on desk.

☐ Front Panel

1. STANDBY:
Push this button to activate and deactivate this unit.

2. USB port:
Allows to play USB disk.

3. AUX IN jack:
This 3.5mm jack is an audio line input jack. Can connect a portable digital player or other external audio device here.

4. Screen:
This shows various types of information for the media.

5. VOL+ / VOL-:
To turn up or down the output volume of the media.

6. NEXT / PREV:
When in the USB and Bluetooth mode: Press these buttons to skip to next or previous track.
When in the FM(RDS) and DAB+ mode:
Press these buttons to skip the frequency by +0.05 or -0.05 MHZ.
Press and hold these buttons to scan through the frequencies in a semi-automatic way.

7. PRESET CHOICE (1,2,3,4,5):
Keep pressing for several minutes to store the favorite stations. And press them to choose to play the stored stations (1 to 5). Through Remote Control that total 9 favorite stations can be stored.

8. MODE:
Press this button to choose audio source among USB,DAB+,FM,AM,Bluetooth and Aux in.

9. ENTER:
Press this button to confirm a selection.

10. MENU (works with buttons of 'PREV', 'NEXT' and 'ENTER'):
When in the FM mode(including RDS):

《Scan setting》: To select scan way of **All stations** or **Strong stations**.

《System setting》:
Language selection: English,Portugués,Español, Française, Italiano, Deutsch.
SW version: Shows the software version.
Factory reset: Clears the memory completely and scans again for the available stations.

《Audio setting》: Allows to select **Stereo** or **Mono** mode.

When in the DAB+ mode:

《Full scan》: Allows to scan through all stations.

《System setting》:
Language selection: English,Portugués, Español, Française, Italiano, Deutsch.
SW version: Shows the software version.
Factory reset: Clears the memory completely and scans again for the available stations.

《Prune》: Deletes (or not) stations that are either no longer transmitting or have moved frequency.

☐ Names & Functions of Front Panel

《DRC》: Dynamic Range Compression provides a feature that reduces the volume of louder sounds and boosts the volume of quieter sounds. It can be a handy feature when listening to audio at lower volumes.

《Manual tune》: Allows to scan through the frequencies manually.

11. PRESET:

Press this button to review the 60 stored stations,press 'NEXT' or 'PREV' to choose a desired station then press 'ENTER' to play this station.

12. MUTE:

To press this button to mute the audio of this unit,press it again to activate audio.
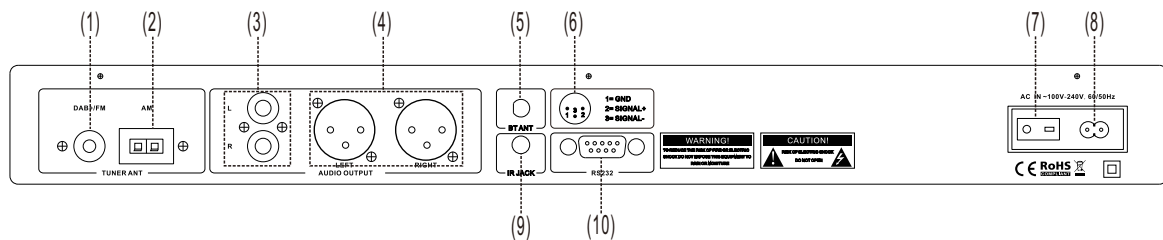
13. INFO:

Allows to show the related information for the FM(RDS) and DAB+ mode.

14. AUTO SCAN:

Press this to scan through and store the stations automatically. The stored stations can be review in the PRESET list.

☐ Rear Panel

1. Antenna DAB+/FM connector:

Connect the included DAB+/FM antenna here.

2. Antenna AM connector:

Connect the included AM antenna here.

3. RCA Out jacks:

These (unbalanced) outputs send audio signal to the external mixer,amplifier,etc.

4. XLR Out jacks:

These (balanced) outputs send audio signal to the external mixer,amplifier,etc.

5. BT ANT:

Connect the included bluetooth antenna here.

6. Indication of XLR jack:

1:GND, 2:Hot, 3:Cold.

7. Power switch:

This turns the unit on and off.

8. AC IN connector:

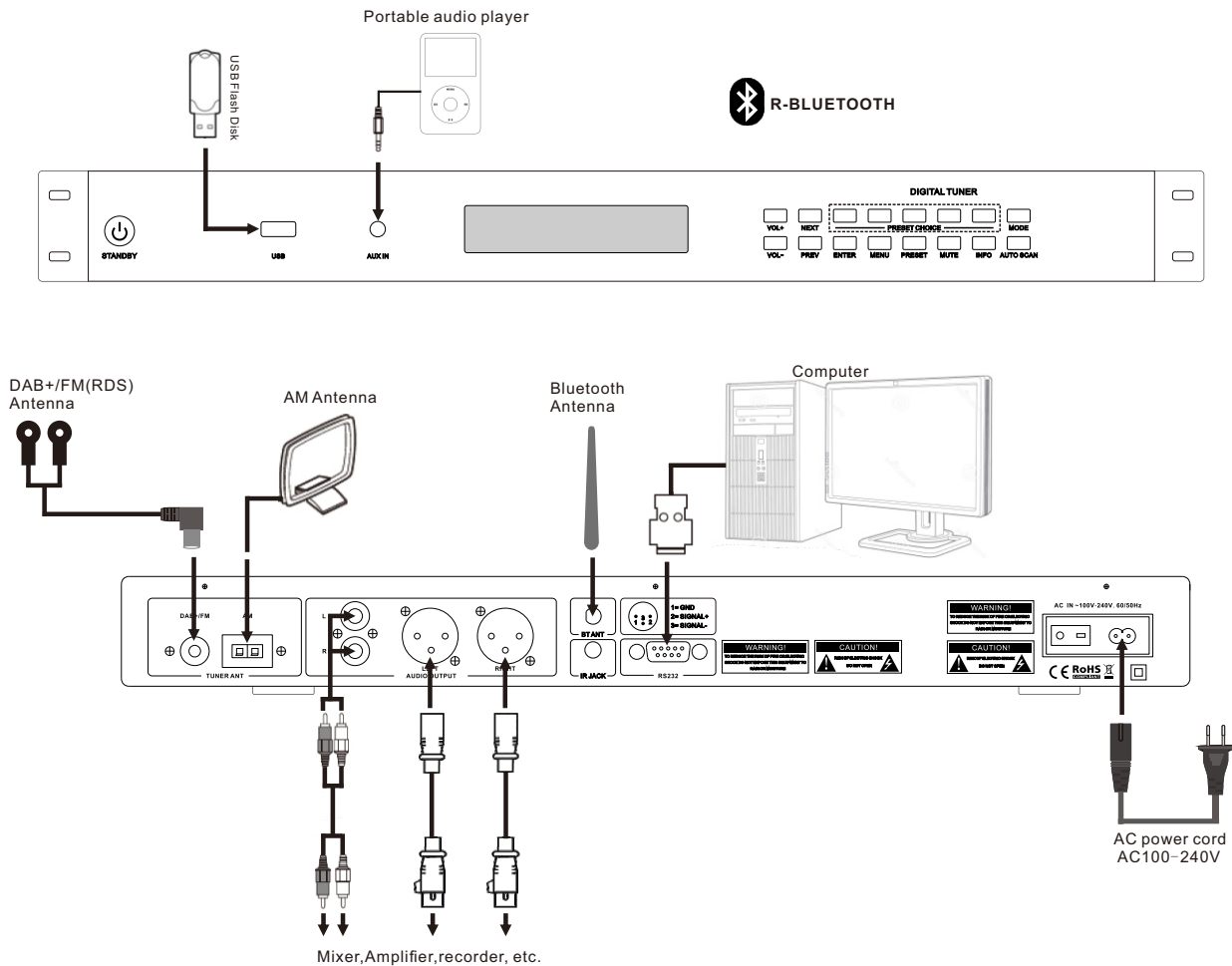Connect the included power cord here.

9. IR JACK:

Connect additional IR receiver and attach to other surface where it provides the best reception from the remote control.

10. RS232 interface:

Serial control through the RS232 connector can be used to operate this unit from a computer or other external device.

☐ Connection Illustration

Carefully read the operation manuals of the devices to be connected and them connect them correctly.

Before making connections,turn this unit and all equipment to be connected off (standby).

Mixer,Amplifier,recorder, etc.

☐ Specifications

• System	Tuner
• Compatible media	USB,Bluetooth,FM(RDS),DAB+(DAB),AM,Aux in
• Playable formats	USB: MP3,WAV
• Bluetooth version	5.0 version
• Frequency range	FM(RDS): 87.50 - 108.00 MHz
	DAB+(DAB): 87.50 - 108.00 MHz
	AM: 522 - 1620 Khz
• Frequency response	20 Hz - 20 Khz (±0.5 dB)
• S/N ratio	More than 105 dB
• T.H.D	Less than 0.005%
• Unbalanced out L/R	RCA terminal
	Load impedance: Over 10 kΩ/kohms
	Output level: 2 Vrms (Max. 10 dBu) at 10 kΩ/kohms load
• Balanced out L/R	XLR terminal (1:GND, 2:Hot, 3:Cold)
	Load impedance: Over 600Ω/ohms
	Output level: 8.23 dBu (Max. 24 dBu) at 600Ω/ohms load
• Power supply	AC 100-240V 50/60 Hz
• Power consumption	30W (0.5W standby)
• Product size	330x267x49mm
	372x267x49mm (with rack ears)
• Carton size	520x355x117mm
• Net weight	2.80kg
• Gross weight	3.50kg