



WCORE
Owner's Manual

Important Notice

1. Read these instruction manual
2. Keep the manual
3. Keep remind all warnings
4. Follow all instructions
5. Do not use this equipments near water or moisture
6. Clean only with dry cloth
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions
8. Do not use near any heat sources such as radiators, stoves or heat registers
9. Use grounding-type plug
10. Use only attachments/accessories specified by the manufacturers
11. Unplug this equipment during lightning storms or when unused for long periods of time
12. Refer all servicing to qualified service personnel. Servicing is required when the equipment has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the equipment, the equipment has been exposed to rain or moisture, does not operate normally, or has been dropped. Manufacturer does not take any responsibility for repairing due to misused operation
13. Do not put any liquid material onto the equipment
14. Remove plug after checking the equipment power is off. Otherwise, it may cause equipment failure.

**WARNING: Unqualified personnel are not able to repair this equipments.
To reduce the risk of electric shock, do not open bottom cover on purpose.**

About Waversa Systems

Thanks for choosing

Waversa Systems' WCORE.

Recent development of innovative IT/Digital technology brings vast changes in concept and environment of old Analog based High-end Audio market.

Waversa Systems is leading

New High-end Audio paradigm combining world top class IT with digital technology under the goal of developing sophisticated sound and design.

Waversa Systems is

Happy with your purchasing equipments and promises to become best partners for your audio life.

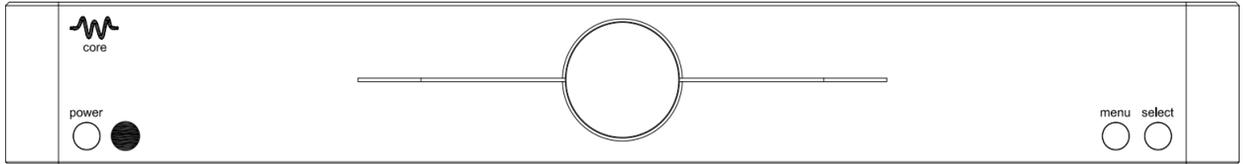
CEO Junho Shin

Key Features of the WCORE

- Noise protected hardware construction.
- Fully compliant with R00N Core Server.
- Intel Core i3- Quad Core based platform.
- 64G MSATA SSD for R00N Core Server and Music Database.
- 2 x Built-in MSATA SSD slot for music storage
- Battery operated switch hub for outside connection.
- Linear Power Supply.

WCORE

- Front Panel



- ① Power button
- ② IR Receiver
- ③ Status LCD
- ④ Menu button
- ⑤ Select button for menu

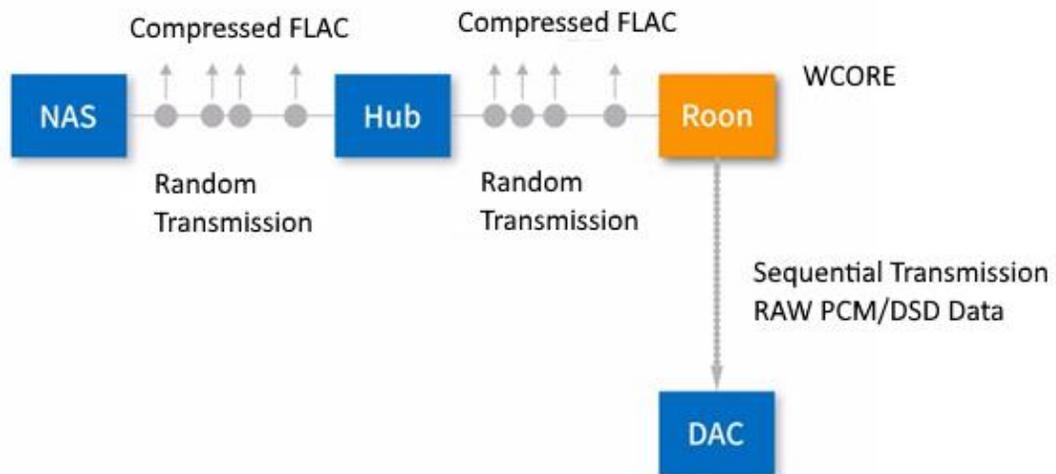
- Rear Panel



- ① AC Input connector with standby switch
- ② 4 x Ethernet Ports

WCORE

- How WCORE works



1. WCORE decompress audio file
2. WCORE send raw PCM/DSD data to Roon Ready DAC sequentially

WCORE

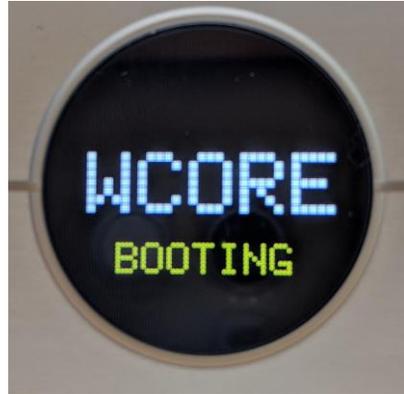
- Communication



1. WCore can be controlled by Smart Phone, Tablet and PC
2. External NAS can be attached additional music storage
3. Various Roon Ready device can be attached

WCORE

- Power On/Off



1. Connect AC power cable
2. Turn on standby switch
3. WCORE display "OFF"
4. Press "power" button then WCORE display "BOOTING"
5. After boot completed display current status

WCORE

- Normal mode

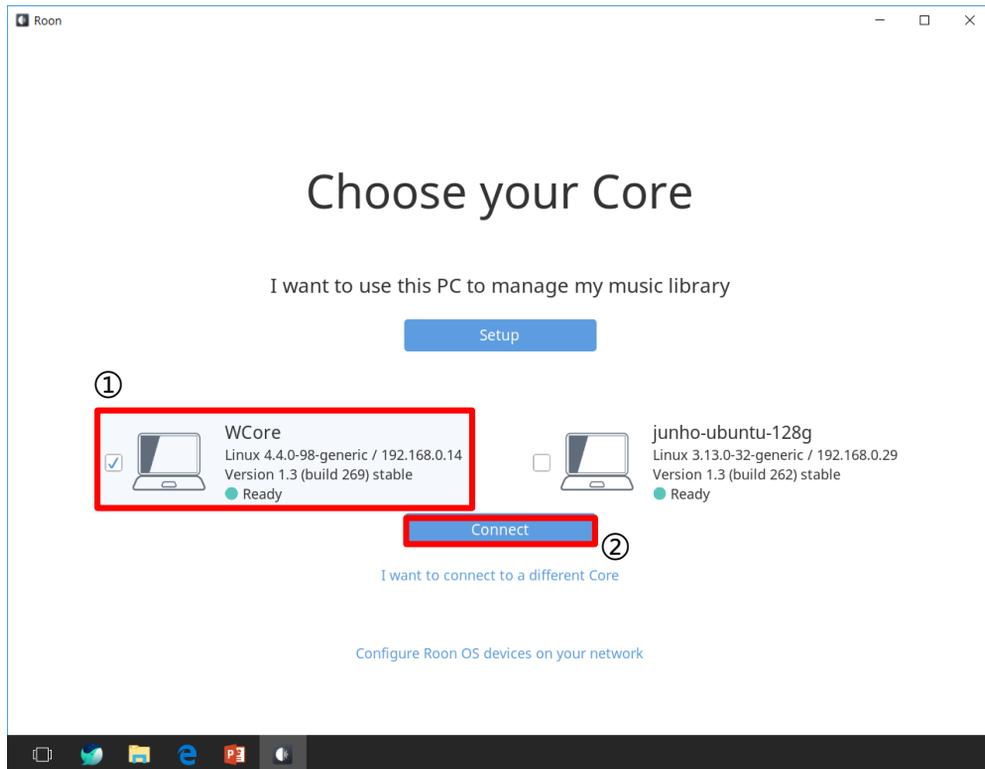


1. WCORE display various status on LCD
2. CPU : Current CPU usage
3. M1 : First MSATA SSD usage
4. M2 : Second MSATA SSD usage
5. B1 : First battery voltage
6. B2 : Second battery voltage

NOTES: menu, select button will support additional features which needed future.

WCORE

- How to Connect



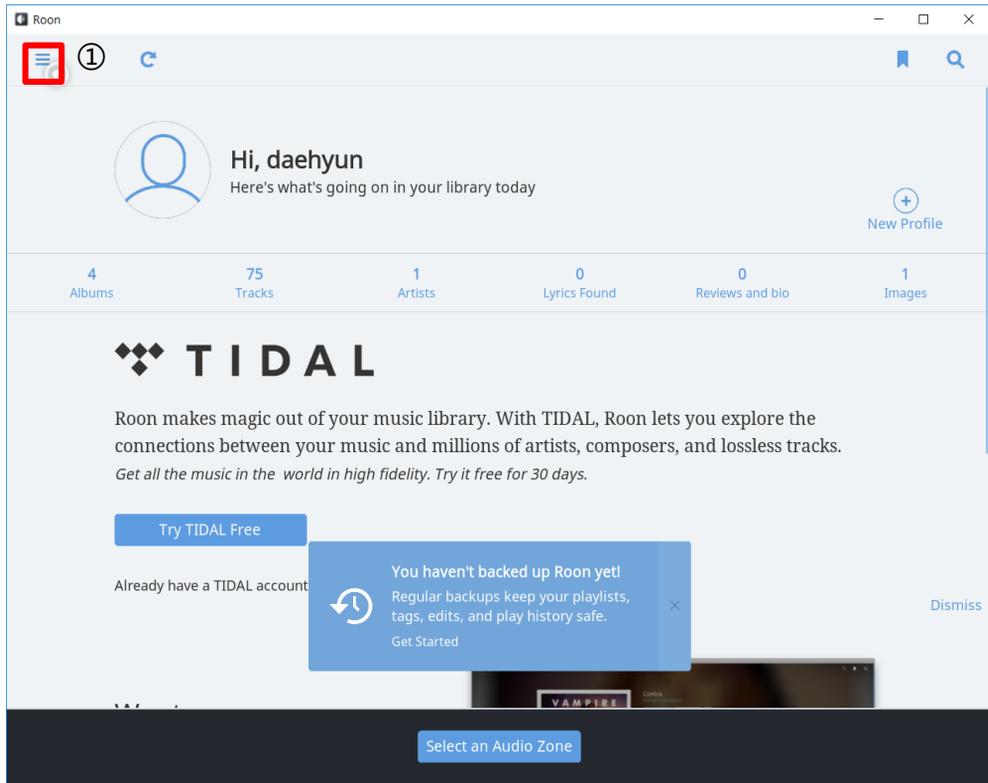
① Select WCORE

② Press “connect” button to use WCORE when you are already use another ROON CORE.

NOTES : In order to prevent collision of multiple cores, inactivate unused cores.

WCORE

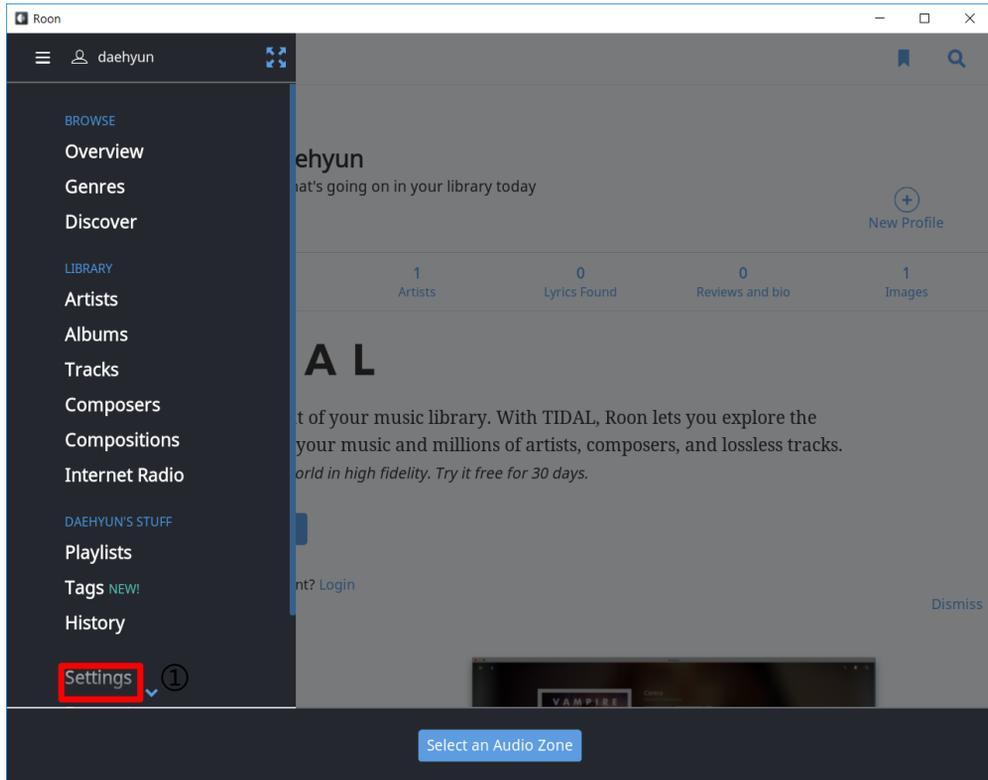
- How to Connect



① Press menu icon for setup WCORE

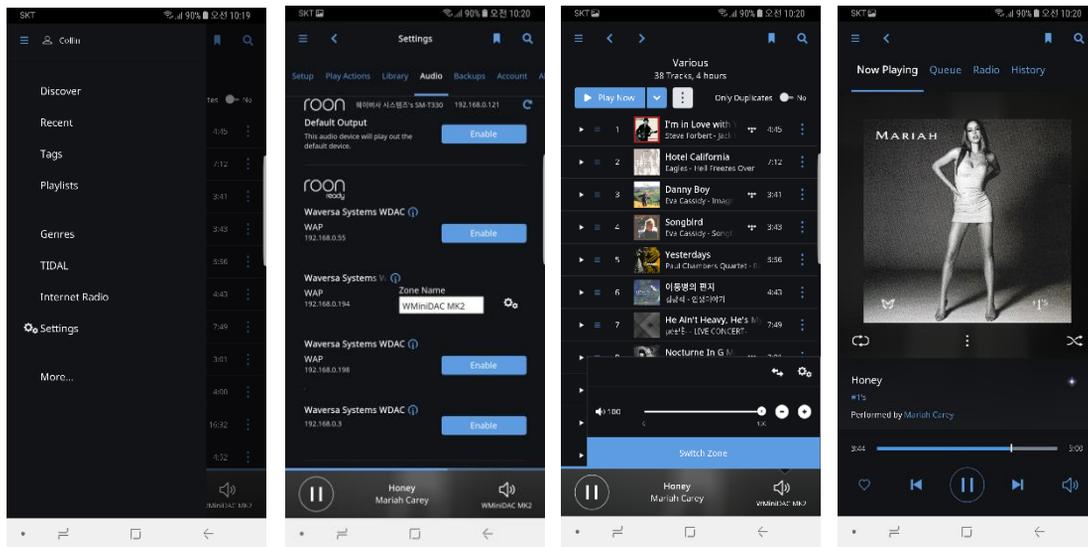
WCORE

- How to Connect



① Select “Settings” for Setup WCORE if needed.

- Roon with mobile devices



1. Install “Roon Remote” from App/Play Store
2. Enter “Settings” and select “Audio” tab
3. Enable Roon Ready DAC
4. Press Speaker Icon in bottom right and then switch to device what you want
5. Choose media file to play.

Rear Connection

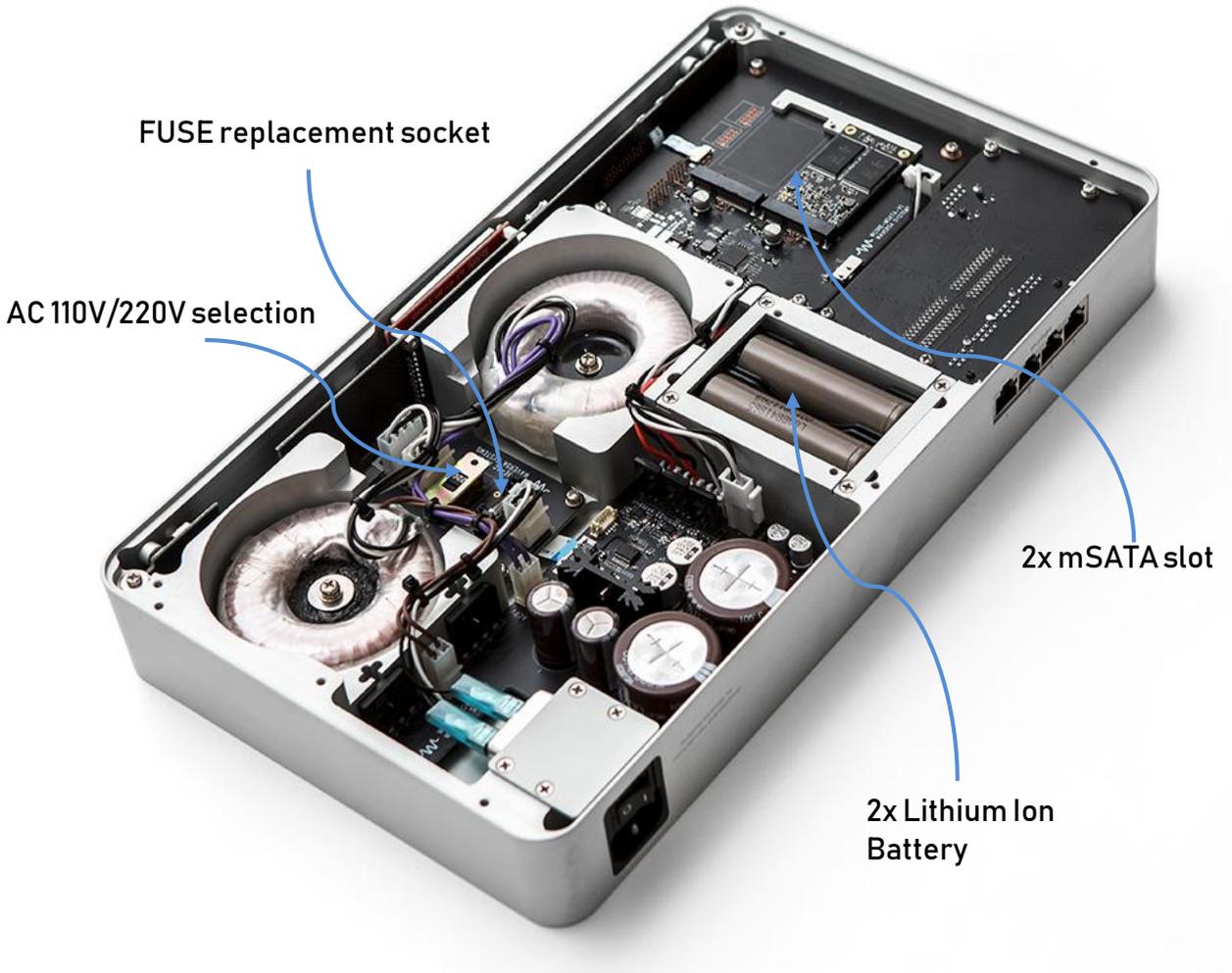
- Ethernet / Power Supply



1. Router, DAC, NAS and PC can be connected to Ethernet port
2. 110V/220V AC power can be connected.
3. 110V/220V adjustment switch is inside.

Internal Layout

- Battery / AC voltage Selection / Fuse Replacement



NOTES : Internal layout can be changed slightly in the future

Specification for the WCORE

Operating System	Customized Linux 4.4.0
Core Processor	Intel Core i3 Quad Core
Main Memory	4GB SO-DIMM
Main Storage	64 GB MSATA SSD
Built-in Switch Hub	4 port battery based operation
AC Input	110/220V Selectable inside switch
Dimension	W x L x H
Weight	2.0 KG

NOTES: All specifications are accurate at the time of printing.
Waversa Systems reserves the right to adjust specifications without notice.



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