



reddot award 2019
winner



GOOD DESIGN
산업통상자원부선정

PINUP
DESIGN AWARDS

USER MANUAL

RS201E User Guide

rose

English ver.

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I - Precautions for safety

1. Contents of Warning

- Do not apply excessive force to the product or take action to shock it with sharp objects.
- When children use it, the guardian must advise how to use it properly.
- Use within 0°C~40°C and do not use in high temperature and high humidity environment.
- If used in a closed environment with high temperature below 0°C or in a sauna, it may cause breakdown, corrosion, and fire. Moisture or liquids can also damage the surface and circuit components.
- Use only the genuine adapter provided by HiFi ROSE. Other power adapters may cause malfunctions or damage the product.
- Do not spill dirt or liquid on the product. It may damage components and circuits. If the product gets wet, do not turn it on. Contact your nearest service center. However, free repair is not available at this time.
- Do not connect any antennas or accessories that are not guaranteed by ROSE to the product, and do not place them on objects like steel desks, microwave ovens, etc. It may interfere with radio waves.
- The product is sensitive to radio waves, and its performance may be degraded when used in the vicinity of steel and electromagnetic wave equipment.

2. Notes

- The contents of this manual are based on the default settings of RS201E.
- This manual is subject to change without any notice to the user in order to improve RS201E performance.
- Functions and additional services of RS201E may vary depending on the software and service provider.
- In case of user's negligence, malfunction, or repair of the product, data (music, video files, etc.) except for ringtones and pictures that are provided with the product may be erased. ROSE is not responsible for any damage caused by data loss.
- When listening to music via Bluetooth, pay attention to the following points.
- The receiving distance of 10m is based on the Bluetooth technology standard. The receiving distance and BT transmission quality may vary, and it depends on the actual user environment.
- In actual BT playback, the receiving distance (based on the straight line distance) may vary depending on the environment and device.
- It can be used stably at an average distance of about 6 to 8 meters.
- If the distance between RS201E and connected device is too long or there are obstacles in the middle, the quality of sound would be bad, or noise may occur.
- Do not use chemical solvents (alcohol, thinner, solvent, etc.) or detergents to clean the product. Rubbing with chemical solution can cause the product to generate heat, which may cause fire. When cleaning, wipe the device with a soft cloth or towel.
- Do not disassemble, modify, or repair the product yourself. If so, free A/S is not available. If something goes wrong, contact an Authorized Service Center for repair.
- Only use programs provided by the manufacturer. Transferring a randomly produced file or a file distributed by a user to the product may cause an operation error or serious abnormality to the product. ROSE is not responsible for any problems caused from this.
- If the touch screen is damaged, you may be injured. Do not touch it with your hand. Contact the service center immediately.

3. About the use of the product

- Be sure to read this manual before using the product.
- The contents of this manual are based on the default settings of RS201E.
- The execution screens and illustrations provided in the User Guide may differ from the actual ones.
- Some user manuals are subject to change without prior notice to improve the performance of RS201E.
- Check the ROSE website (<https://eng.hifirose.com>) for the latest version of the operating instructions.
- Features and additional services of RS201E may vary. It depends on the software and service provider.
- Warranty service does not apply if any problems occur due to installing applications that are not provided by ROSE, or modifying original application.
- ROSE is not responsible for the use of files that violate copyright laws.
- Since the radio equipment may cause radio interference, service related to personal safety may not be provided.
- This machine is a household (Class B) electromagnetic compatibility device and is mainly intended for household use.

4. Notes on Use

- The contents of this manual may differ from the actual version depending on the software version of the product.

II - List of Components



Product

Bluetooth Remote Controller



Adapter



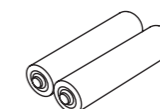
Power Cord



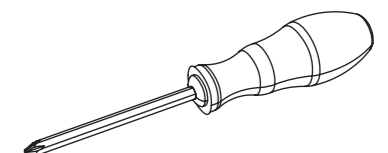
Manual



Screw for SSD



Battery for Remote Controller



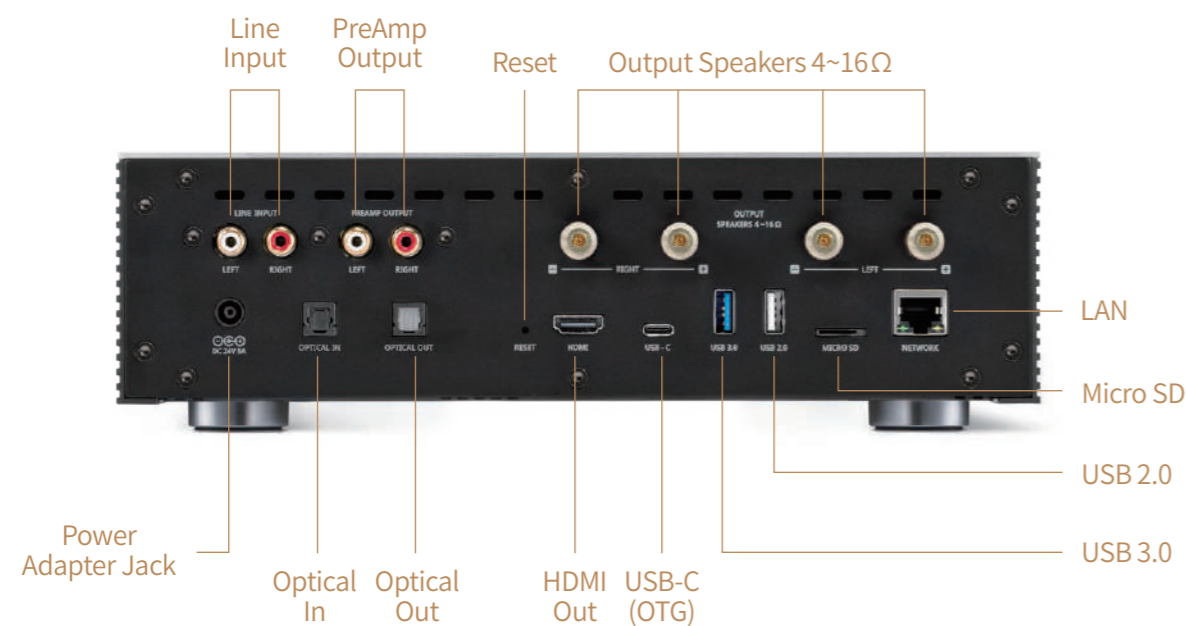
Screw driver

III - Button and Connection Location/Function

1. Front Side



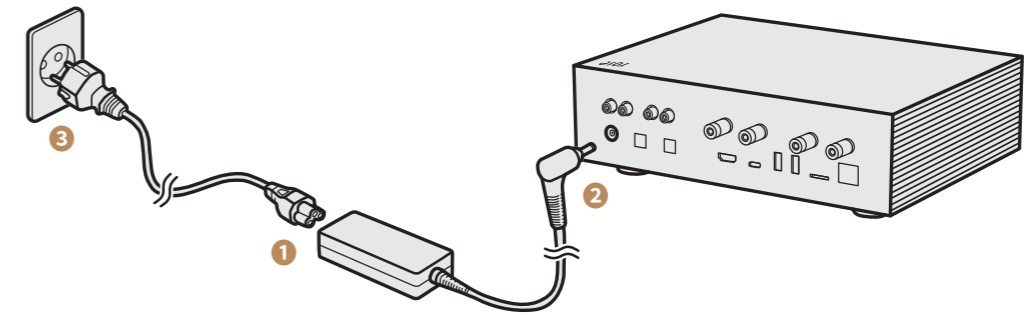
2. Rear Side



IV - Connection and Operation

1. Connecting Power Adapter

· Please follow the procedure below.



2. Power Button

- Turn ROSE on or off.
- Push power button in 3 seconds, ROSE shows 'Screen off', 'Power off' and 'Reboot!'.

	LCD OFF	Play sound on screen off status. Press the power button to activate the screen. ※ It is function which only turn off the screen.
	Power OFF	Turn off the power.
	Reboot	Reboot the device.

- ※ To cancel, touch any other menu on screen.
- Push power button for 5 seconds, it would be reboot.
- Power button LED status : Screen on (LED OFF) / Screen off (LED ON)

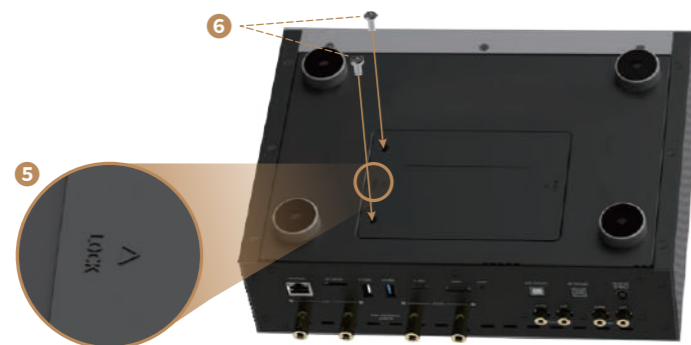
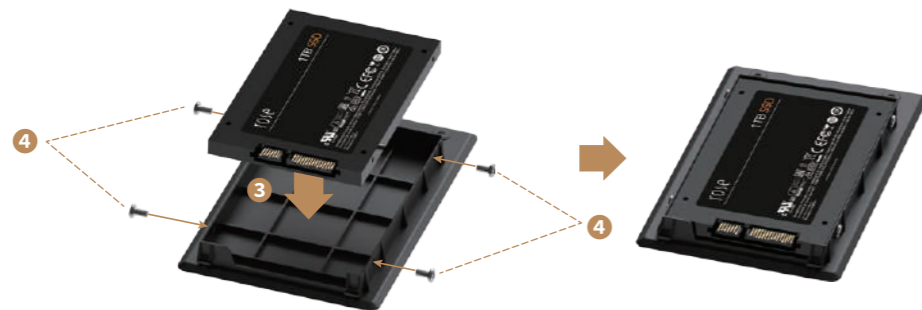
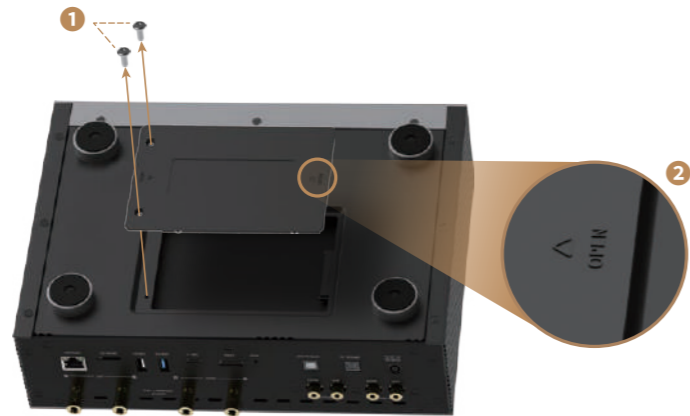
3. External Memory Card Insertion / Removal

- An external Micro SD, USB and SSD are supported.
- The capacities of external memories - MicroSD : up to 400GB, USB : up to 512GB, SSD : up to 4TB, HDD : up to 10TB

4. SSD Insertion

- 1 Loosen bottom of screws(2ea)
- 2 Push OPEN indicator, separate SSD cover
- 3 Put SSD on the SSD cover
- 4 Fix SSD by screws in the box
- 5 Assemble the cover
- 6 Push LOCK indicator and tighten screws

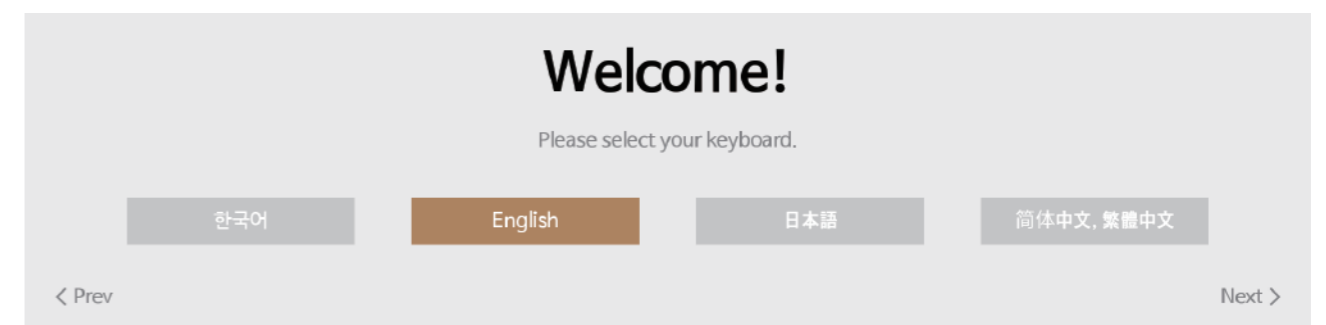
※ SSD is optional, Only 7mm height is supported.



V - Detailed Fuction

1. Set up Wizard

- The first time you run ROSE device, a screen appears where you can set your language, country, time zone, keyboard, and network. You can then reset from the setup menu later.
- Completing the initial setting will give you a starting point to follow the tutorial.



Select any network that you want

You can enjoy Internet Radio, Airplay, DLNA, RoseTube when the network is connected

WiFi
Ethernet

< Prev Next >

WiFi

Chamber_2.4G	Connected
Chamber_5G	
roon5G	
DIRECT-98-HP OfficeJet Pro 8710	
ROSE_Android-2G	

< Prev Next >

Ethernet

IP Address	192.168.2.16
MAC	D0:EB:9E:00:79:B7
Netmask	255.255.255.0
Gateway	192.168.2.1
DNS1	168.126.63.1

< Prev Next >

Setup completed

You can enjoy ROSE HIFI.
Experience ROSE with tutorials.

Completed

< Prev

ROSE

Before we get started, we'll introduce some of ROSE's key features

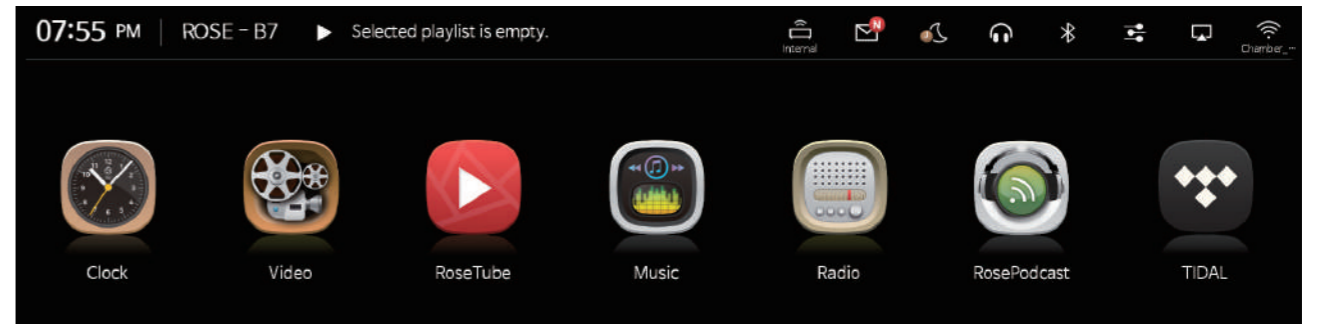
Click on 'View Tutorial'

View Tutorial SKIP >

2. Home Screen and Menu Widgets

2-1. Home Screen Configuration

This is the home screen to select the shortcut icon. The home screen menu can be swiped left or right.



- Upper Bar : Displays the Time. Product ID(changeable). Now Playing External input(LOCAL. OPTICAL. LINE INPUT changeable). Notice. Sleep Timer. Headsets. Bluetooth. DLNA. Airplay. WiFi or Ethernet Connection
- Menu Widgets : Move on to other menus by the left/right scrolling




2-1-1. Upper bar-Information

07:55 PM	Time Display. (Network Update) Click the current time to move to the clock screen.
ROSE-B7	Product ID. You can change the name of the product when you click the product name (ID). You can change the name up to 10 characters. When you change the device name, ROSE will reboot after you change the name of the device. After factory initialization, the device will be changed to the initial stage again.
▶ Selected playlist is empty	Currently playing music. When you click a source that is playing, the menu of the source currently playing will appear.












2-1-2. Icon on The Top of Screen

These icons indicate the device status, and can be confirmed in the alarm bar at the top end of the screen.



	This is an external input icon and shows the connection status of LOCAL, OPTICAL, LINE INPUT from left side. You can do this by clicking the Input icon in the In/Out setting menu of the home screen. ()
	The status icon when a new notification is made. Moves to the notification menu upon click.
	The sleep timer status. When clicked, a window for setting the sleep timer appears.
	The status of the headset.
	The Bluetooth connection and preparation status. Click to go to the Bluetooth settings menu.

	The DLNA service status. Click to restart the service. (white : enabled, gray : disabled, flashing : connecting to service)
	Airplay service status. Click to restart the service. (White : active, Gray : disabled, Flashing : running service)
	The connection status of Wi-Fi and Ethernet. Click to go to the Network Settings menu.

2-1-3. Icon of Menu

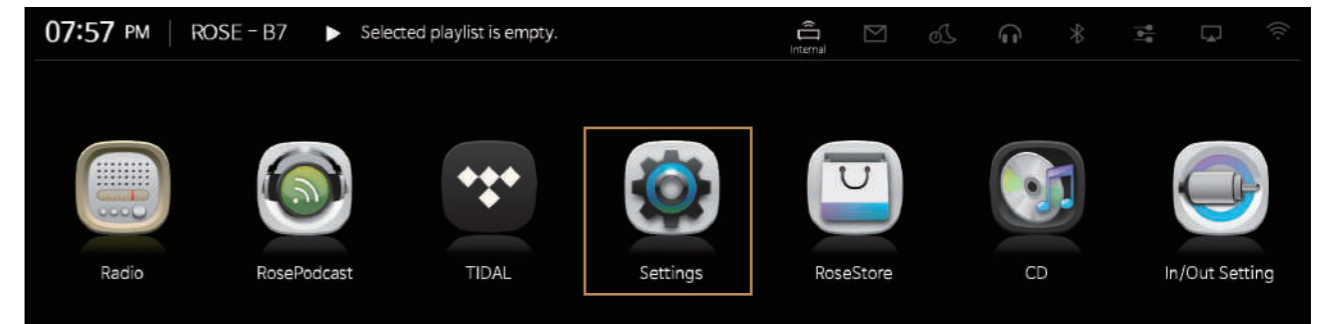
	Music	Play Music from Memory or Network.
	Radio	Listen to the Internet Radio.
	ROSE Tube	Enjoy YouTube contents without ads.
	ROSE Podcast	Enjoy Podcast contents.
	TIDAL	You can log in to Integrated TIDAL and play the music.
	CD Ripping	Rip or Play CD music using USB CD ROM.
	Video	Play Video from Memory or Network.
	Clock	Check time and set the Alarm. Check location to get weather information.
	Setting	Show RS201E information and edit setting.
	In/Out Setting	Input setting of LOCAL, OPTICAL, LINE IN and Output setting of Internal/External DAC and HDMI.
	ROSE Store	You can update ROSE Tube, TIDAL, ROSE Podcast App.

2-1-4. Moving Screen Icons

	Home Button	Move to main page.
	Backward Button	Move to previous page.

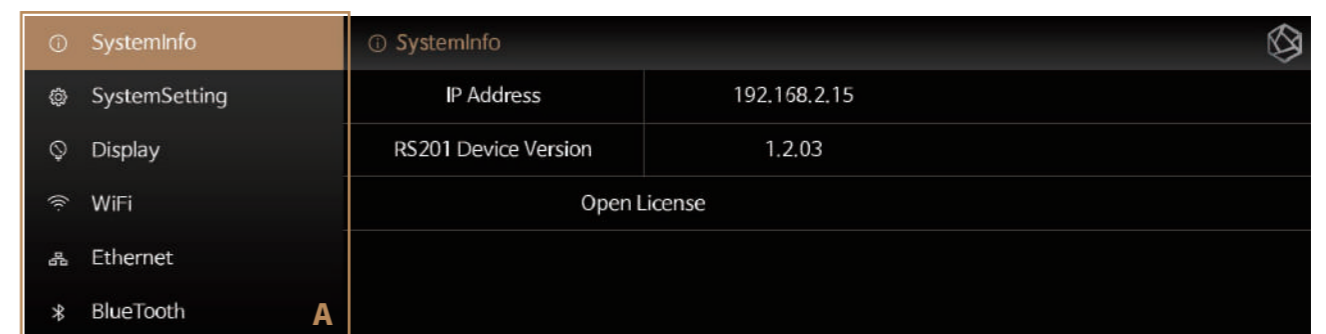
3. Setting

- ROSE information and preferences menu.
- You can go to the Settings menu by clicking the Settings menu widget on the ROSE home screen.

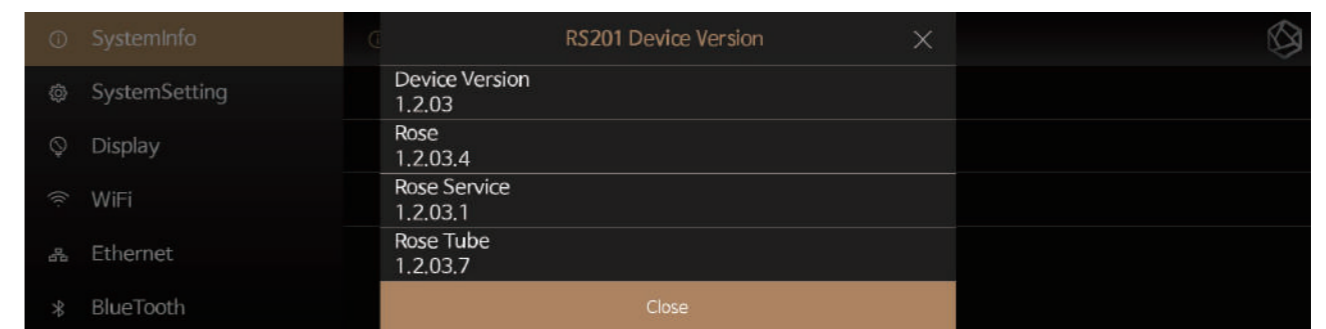


3-1. System Information

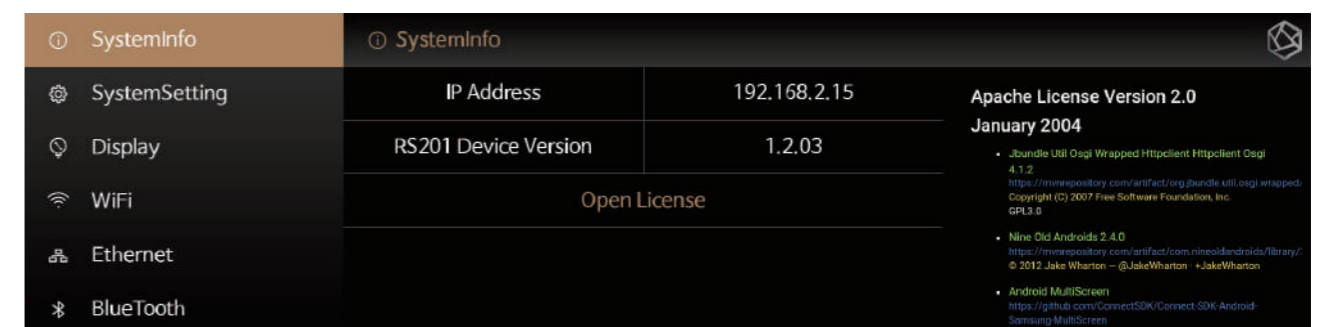
- When you click the left menu on the setting screen(A), each menu setting screen is displayed on the right side.
- You can check the system information of ROSE when you click System Information.
- On the right screen, you can check the IP information of the network connected to ROSE and the version information of the ROSE.



- You can check the current version information of the detailed ROSE by clicking Version Information.

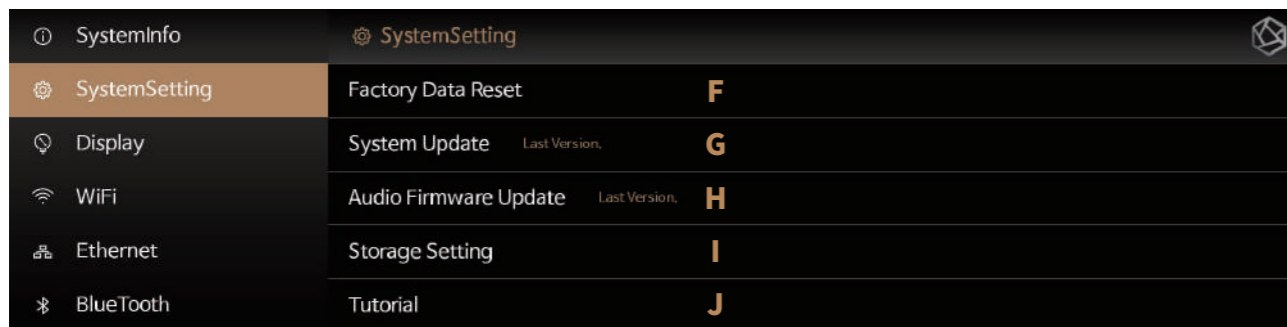
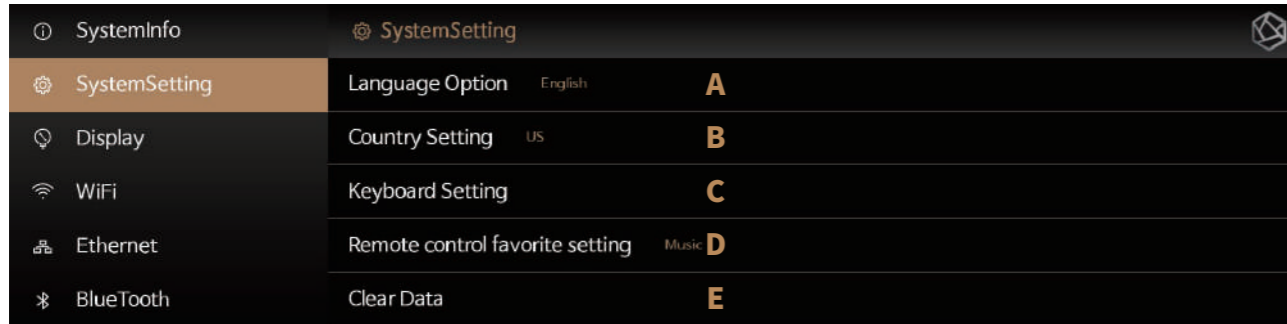


- You can see the open source licenses used by ROSE on the right when you click the Open Source Licenses menu.



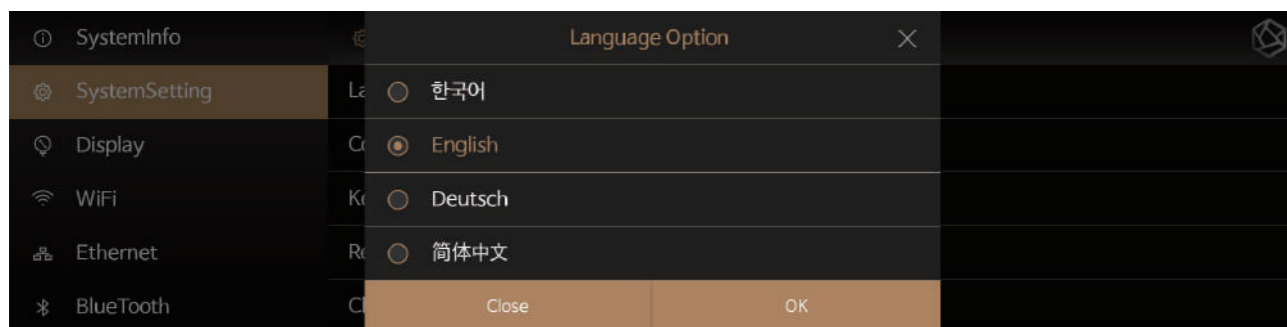
3-2. System Setting

This is the overall setup menu of the ROSE system, such as setting language, initializing or updating in ROSE.



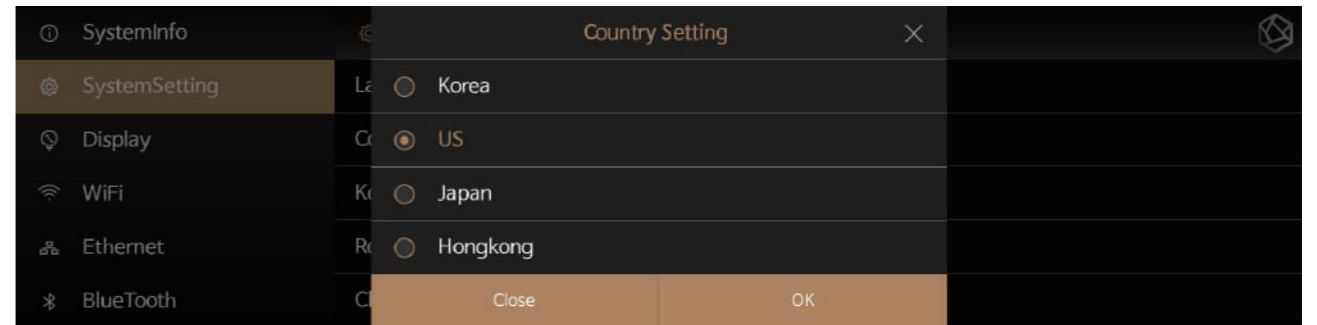
3-2-1. Language Setting

Clicking the language setting menu(A) brings up the language setting popup window. After selecting and applying the desired language, the language is changed and the ROSE is executed again.



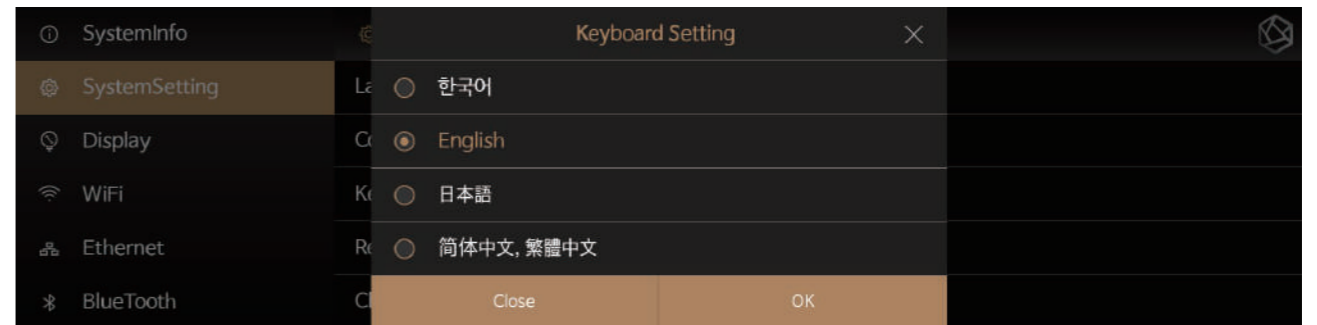
3-2-2. Country Setting

If you click on the country setting menu (B), the country setting popup window will appear. (ROSE tube is not supported in China.)



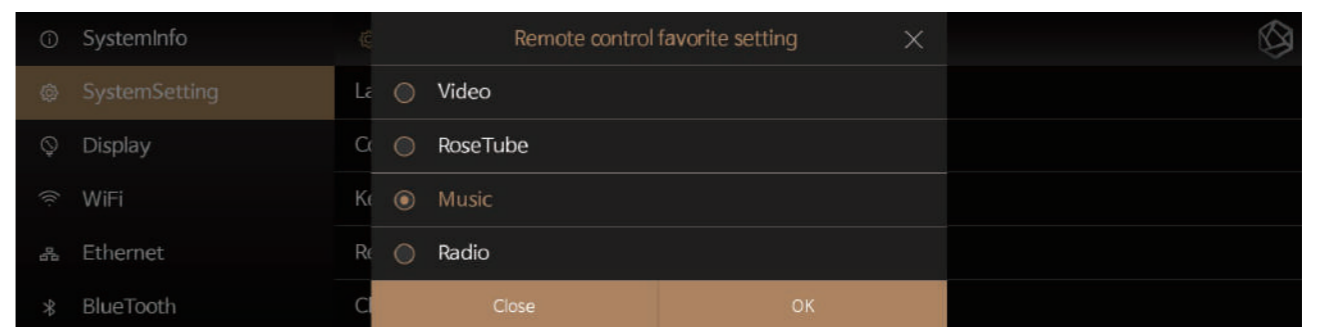
3-2-3. Keyboard setting

Clicking Keyboard Setting Menu (C) brings up the Keyboard Setting pop-up window, and changes the board by selecting the desired keyboard.



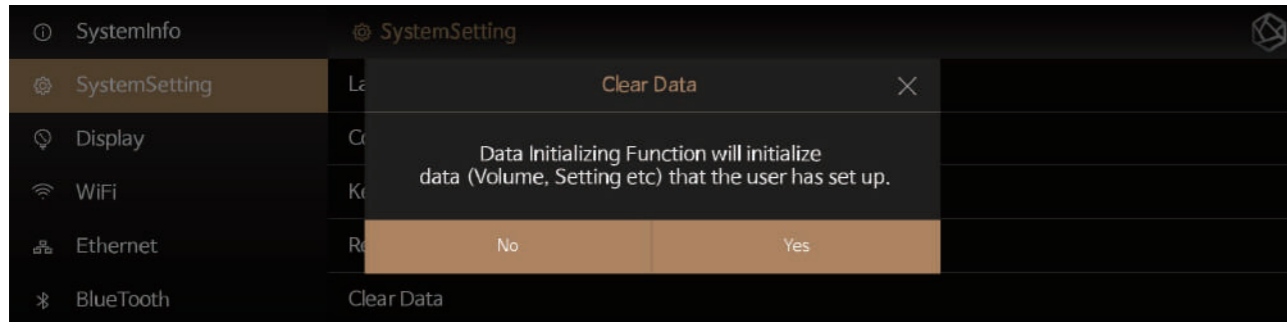
3-2-4. Remote Control Favorite Setting

Clicking the Remote Control Favorite Setting (D) takes you to the menu set when you click the favorite button(📶) on the Bluetooth Remote Controller.



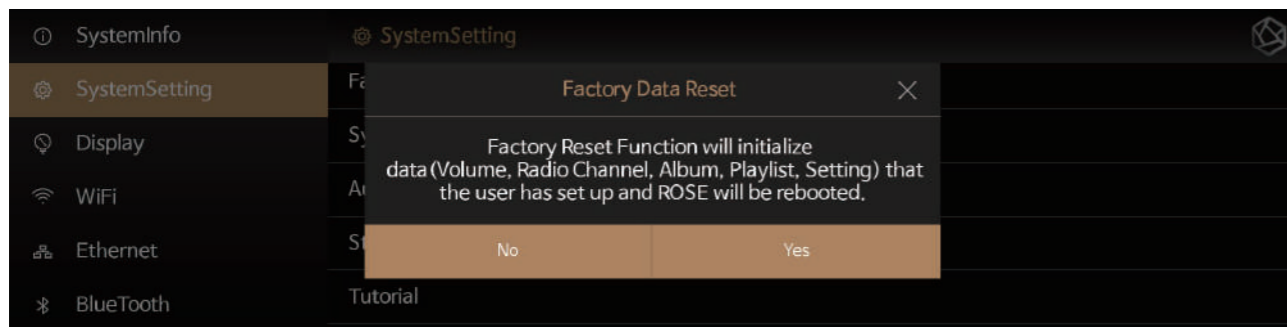
3-2-5. Data initialization

- Clicking the Data Initialization Menu (E) brings up the Data Initialization Description pop-up window and, when selected, initializes the data and takes you to the main screen. This initializes data such as the volume you set, the value you set in the Settings menu, and the remote control favorites option.



3-2-6. Factory Reset

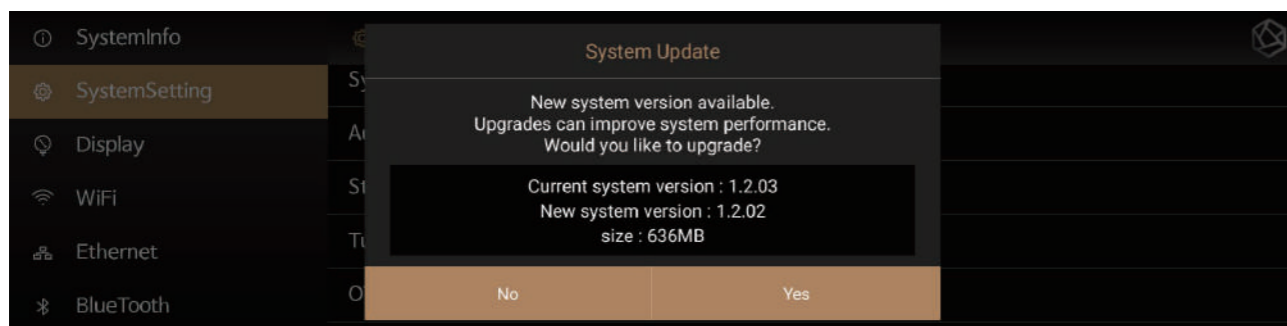
- Click the Factory Reset Menu (F) to open the Factory Reset Description pop-up window. If you choose the factory reset, all settings and data of the ROSE are initialized and executed again.



- If you click the System Update menu (G), the latest version of the update will appear and you can update to the latest version.

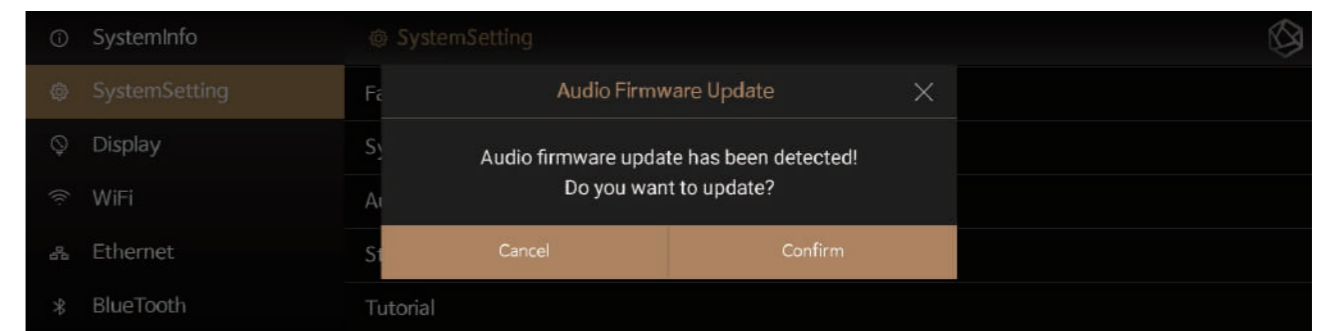
3-2-7. System update

- If you click the System Update menu (G), the latest version of the update will appear and you can update to the latest version. (WiFi or Ethernet must be connected when updating the System, and problems may occur when the power is turned off or forced off until the update is completed.)



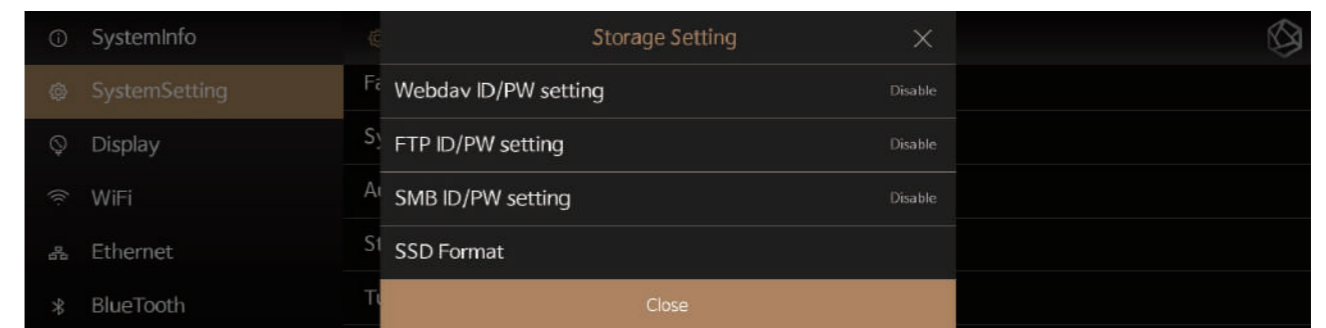
3-2-8. Audio Firmware Update

- If you have the latest version of audio firmware update when you click the Audio Firmware Update menu (H), the update popup will appear. (WiFi or Ethernet must be connected when updating the audio firmware, and problems may occur when the power is turned off or forced off until the update is completed.)

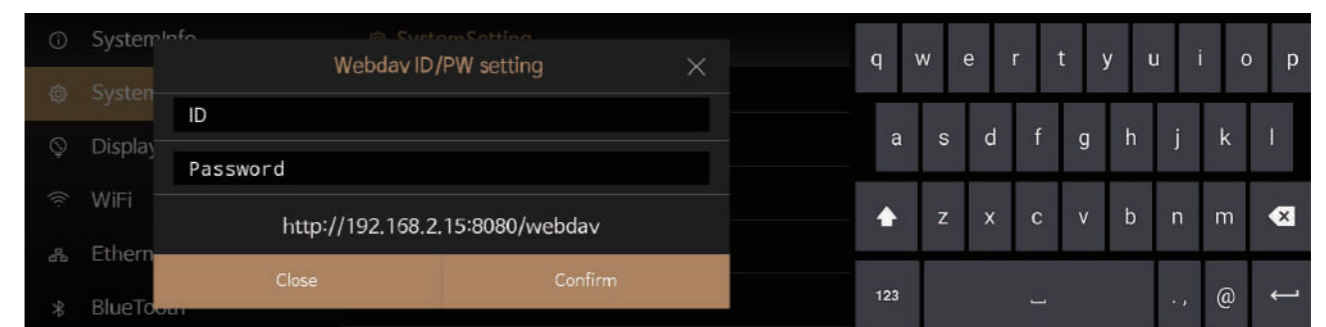


3-2-9. Storage Setting

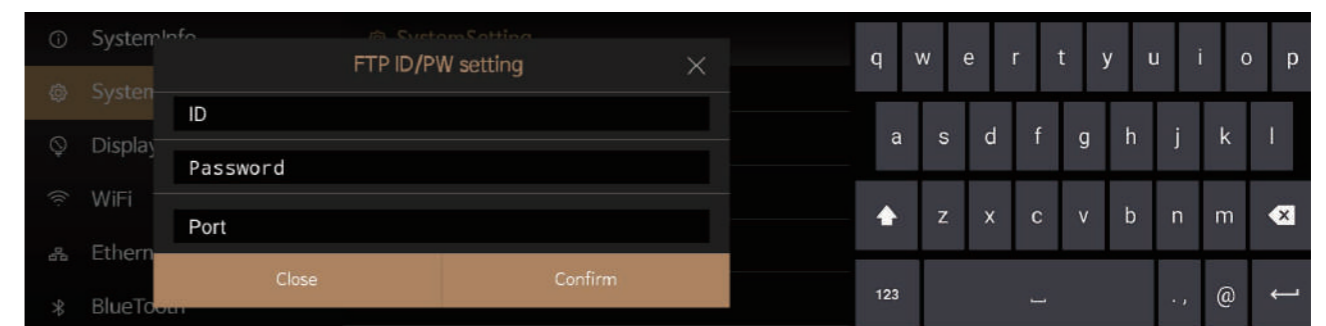
- Click the Storage Setting menu (I) to display the window for selecting WebDAV ID / PW setting, FTP ID / PW setting, SMB ID / PW setting, and SSD format menu.
- Set ID / PW of WebDAV setting menu, or set ID / PW, Port in FTP setting menu, you can set ID / PW in SMB setup menu to access shared folders of WebDAV, FTP, SMB, or additionally format SSDs connected to ROSE in SSD format menu. (Move, copy, edit, etc.) However, in order to manage files on storage media connected to RS201E on a PC, the PC must be connected to the same network, and the PC must have programs that support Webdav, FTP, and SMB connections (RaiDrive, Filezilla, etc.)



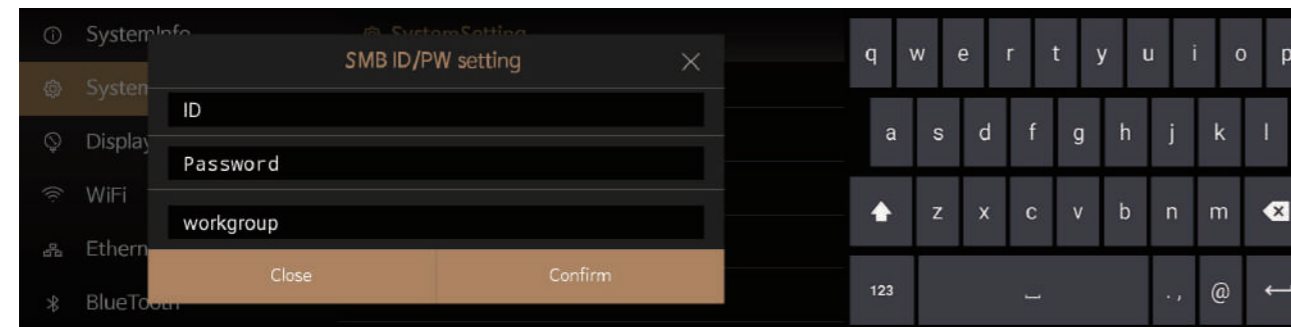
- You can connect to RS201E on your PC by setting the ID/PW in the Webdav setup menu. (The ID is at least 4 characters, the PW is at least 5 characters, and the use of special characters is not allowed.)



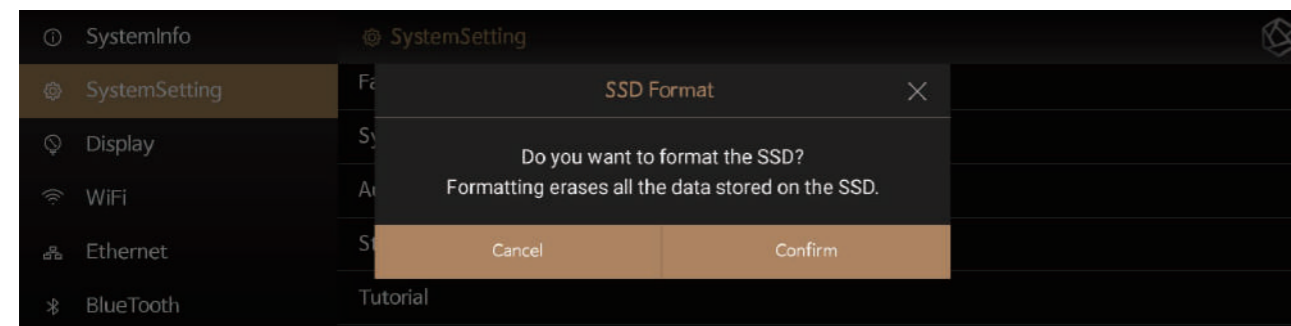
- You can connect to RS201E on your PC by setting ID/PW and Port in the FTP settings menu. (The ID is at least 4 characters, the PW is at least 5 characters, and the use of special characters. Port numbers can be set from 8001 to 65535. They cannot be set with 8080 numbers.)



- You can connect to RS201E on your PC by entering the ID/PW settings and the same workgroup name registered with your PC in the SMB setup menu. (The ID is at least 4 characters, the PW is at least 5 characters, and the use of special characters is not allowed.)



- You can format SSDs that are associated with ROSE in the SSD format menu.



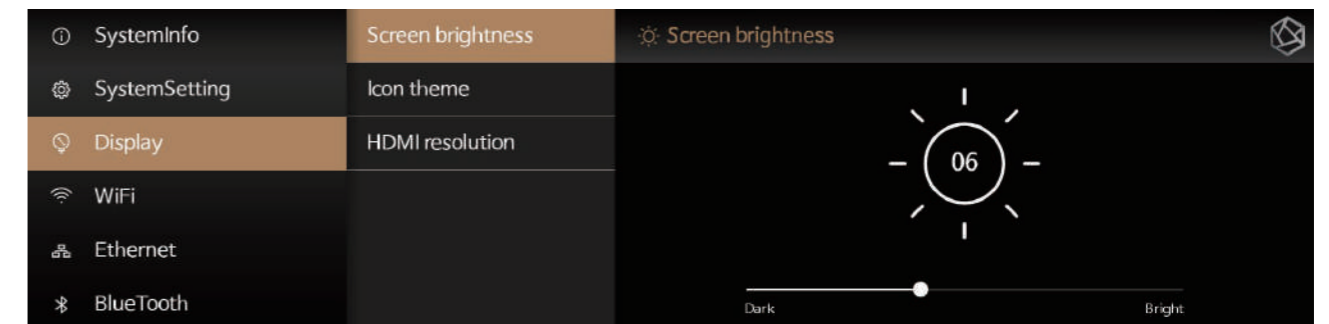
3-2-10. Tutorial

- You can revisit the tutorial screen that appeared when you first use ROSE.(J)

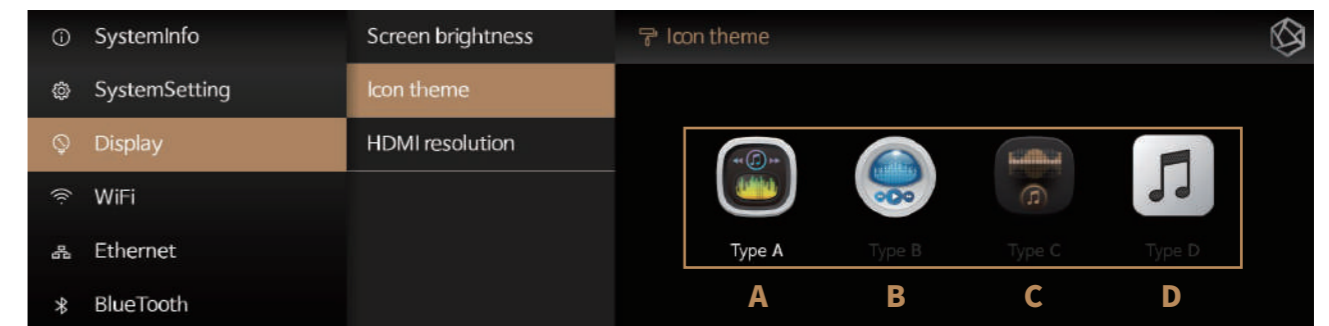


3-3. Display Setting

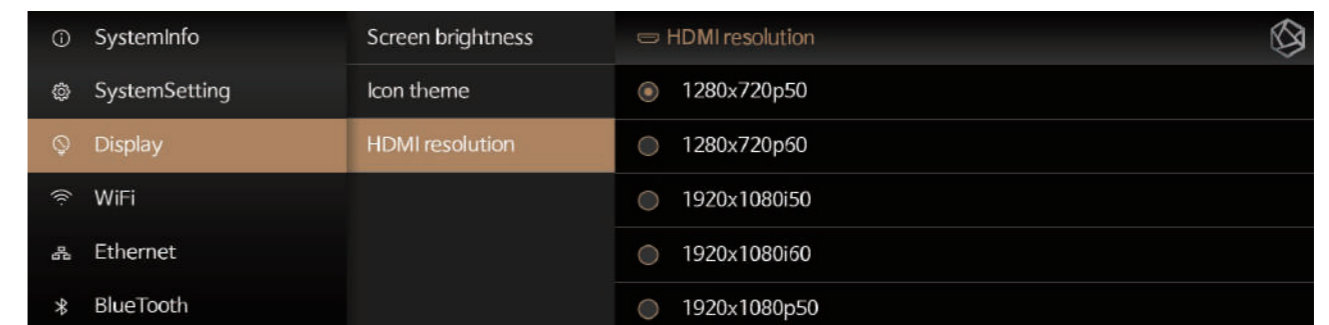
- You can set the brightness, the theme of the home screen menu widget, and the HDMI resolution.
- Move the brightness progress bar to adjust the brightness of the screen.



- You can change the theme of the home screen menu widget by clicking Types (A) to (D) on the photo.



- You can change the resolution of HDMI in Photo.

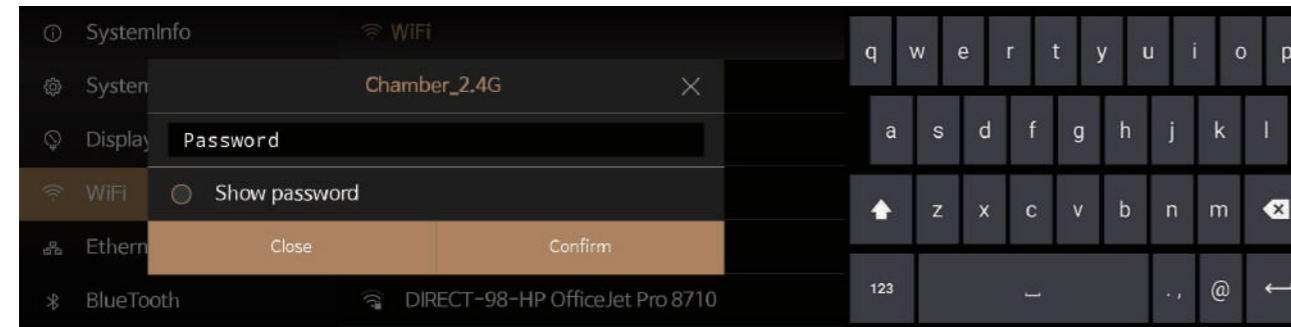


3-4. WiFi Setting

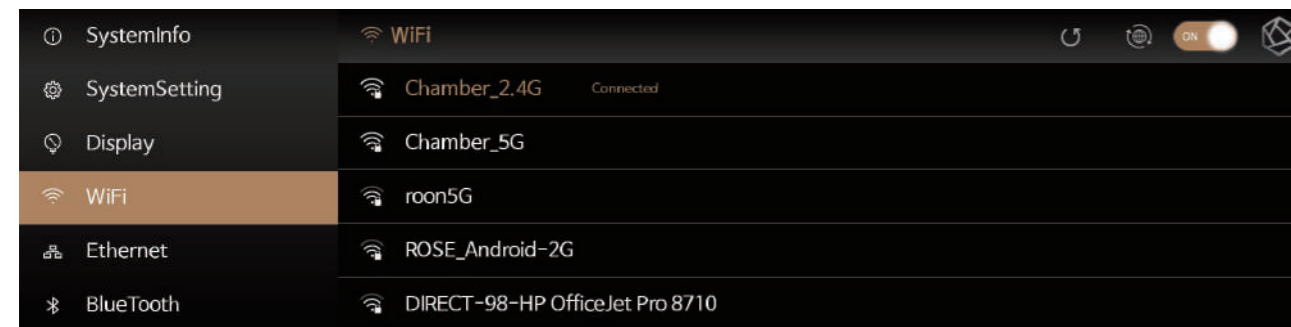
- You can check the WiFi connection status.
- The ON / OFF button on the top right allows you to browse and view the list of WiFi that can be connected when the WiFi is turned on. If the WiFi list does not appear, you can update it by clicking the Refresh button on the top right.



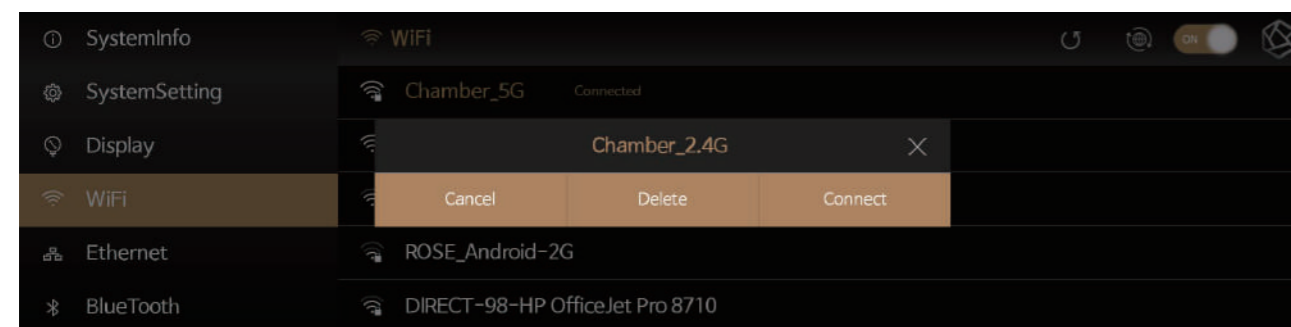
- If you click the WiFi you want to connect, depending on the WiFi router's settings, you may be connected without a password, or a window for you to enter your password.
- If you enable password display, you can see the entered password, and it will be displayed as encryption method when disabled.



- If you 'Enter' (↵) the password correctly, you will be connected and the connected WiFi will be displayed as shown in the picture.
- If you want to check the network connection status and server status, you can check it by clicking the Confirm Connection button on the top right.
- Ethernet connection will be lost when WiFi is connected. If no LAN is connected after WiFi connection, it will automatically connect to WiFi which was connected before when ROSE is executed.

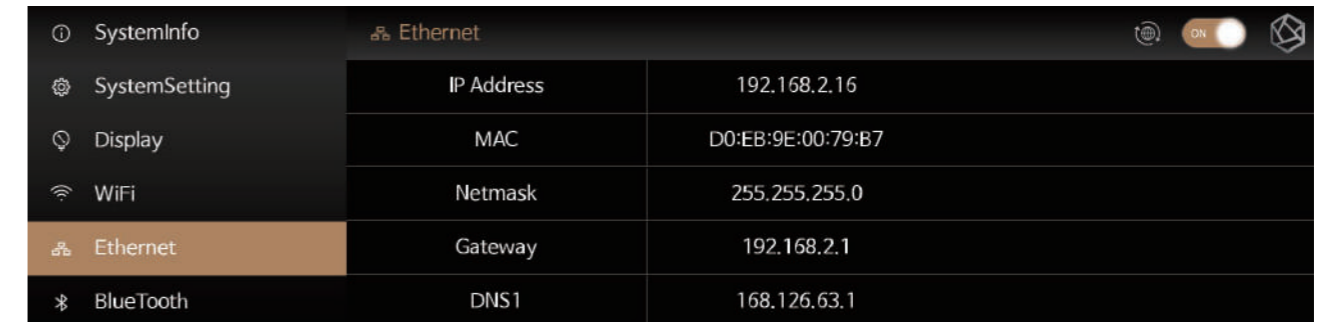


- When you click the saved WiFi, a pop-up window appears like a picture, and you can erase or connect to the WiFi log.



3-5. Ethernet Setting

- You can check the Ethernet connection information.
- After connecting LAN, click ON / OFF button on the upper right corner to connect to On Ethernet.
- WiFi will be disconnected when connected to Ethernet.
- When you run ROSE after reconnecting LAN, you will be automatically connected to Ethernet.



- Clicking Static IP in the photo takes you to the window where you can set the IP manually. You can set the Ethernet IP manually.

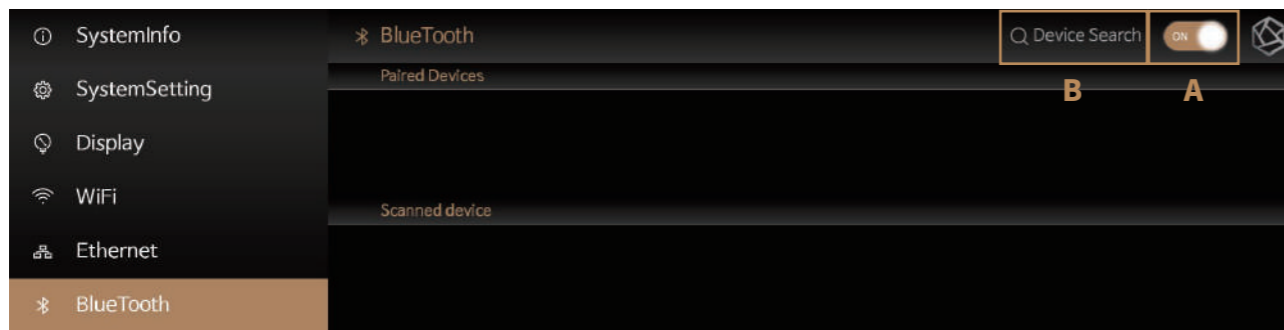


3-6. Bluetooth Setting

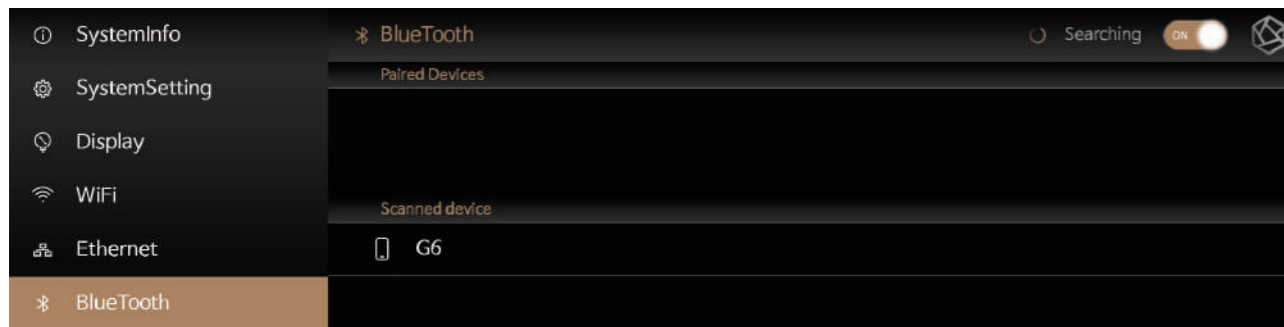
※ Bluetooth is an NFC technology that can only be used within a distance of approximately 10 meters.

3-6-1. Bluetooth Music

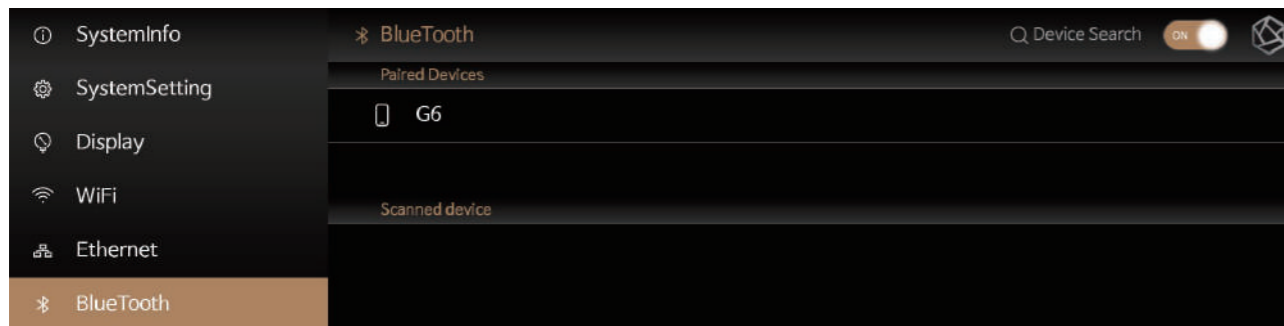
- You can connect to RS201E via Bluetooth.
- You can activate it by pressing the ON / OFF button (A) at the top right of the Bluetooth setting.
- When you press the Device Search button (B), ROSE will appear in the search list on your mobile device.



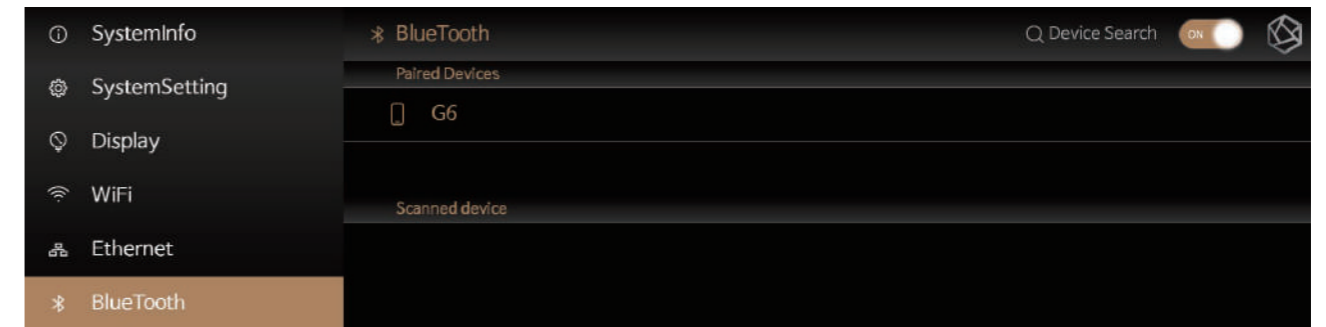
- You can try pairing by clicking on the device name of the RS201E on a mobile device or by clicking on the mobile device found on the RS201E.
- When you try to pair, a pairing request pop-up will appear on the mobile device(device) and press OK to pair.



- Once pairing is completed, the registered device will be added to the list as shown in the photo below, and clicking on the device will attempt to connect.



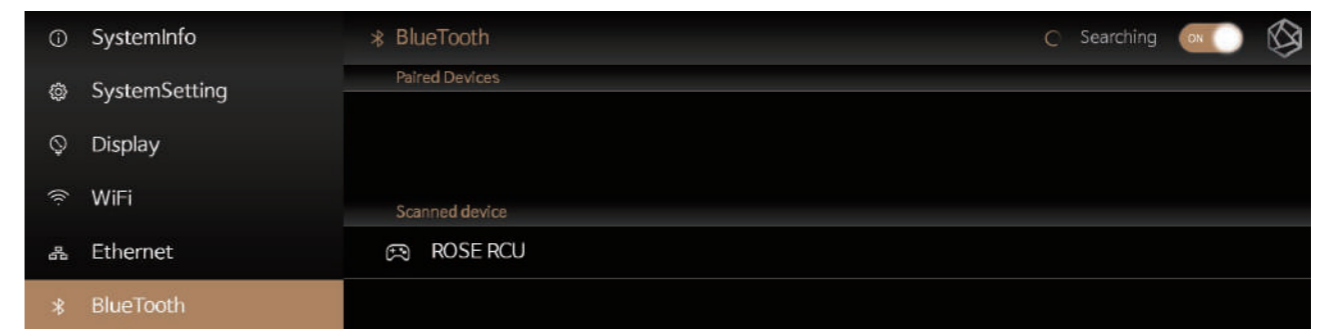
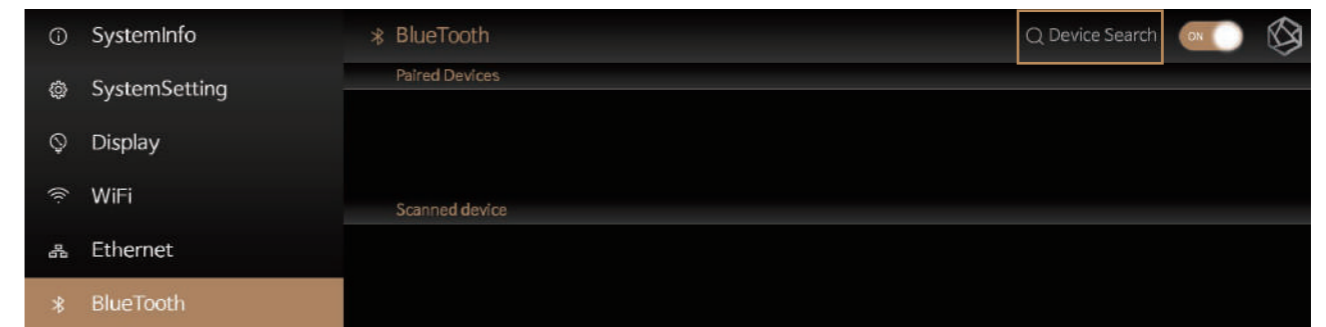
- If the connection is successful, the device's name will turn gold as shown in the photo. Click the connected device to disconnect it.



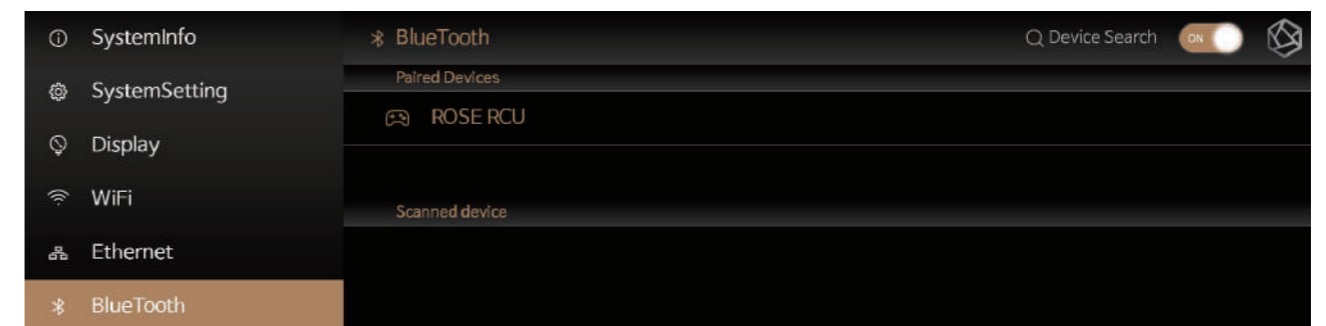
※ Bluetooth is a short-range wireless communication technology that can only be used within a distance of about 10m. (Receive distance 10m is based on Bluetooth technology standard. Receive distance and sound quality may vary according to actual user environment.) The actual receiving distance for BT playback may vary depending on the environment and device. It can be used stably at a distance of about 6~8m on average. (The closer the distance, the more stable) If the distance between ROSE device and phone or device is too long or there are obstacles in the middle, the sound may be cut off or noise may occur.

3-6-2. Bluetooth remote controller

- It can be activated by pressing the ON / OFF button in the top right corner of the Bluetooth settings.
- After enabling Bluetooth, press the home button and option button (button 7, 13) at the same time for more than 5 seconds to turn on the red LED on the Bluetooth remote. At this time, you can search nearby Bluetooth remote control by pressing device search button on the upper right side, and remote control 'ROSE RCU' item is displayed in the list of available devices.



- If you click the remote control in the list of available devices, the device is registered. If you click 'ROSE RCU' in the registered device list, the Bluetooth remote control is connected.



· See below for the functionality of the Bluetooth remote control. (ROSE RCU)

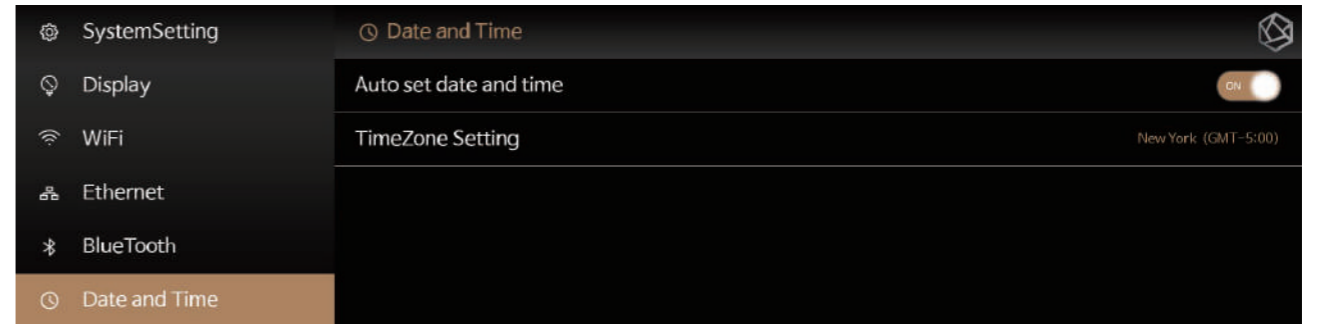
NO.	Function	Memo
1	Slip Mode	Power ON/OFF
2	Mute	
3	Play The Previous Song	Acts only on replay screen
4	Play And Stop The Current Song	Acts only on replay screen
5	Play The Next Song	Acts only on replay screen
6	Backward	
7	Go To The Home Screen	
8	Move Focus Up	
9	Move Focus Left	
10	Move Focus Right	
11	Move Down Focus	
12	Click Current Focus	
13	Option	Suboptions (favorites, queues, subscriptions) in the list Move only songs and videos that you have
14	Slip Timer Function	
15	Go To The Favorites Menu	Go to the Favorites menu set by RS201E
16	Go To The External In/Output Menu	Change Local, Optical, Line input
17	Volume Down	Press and hold to adjust volume
18	Volume Up	Press and hold to adjust volume



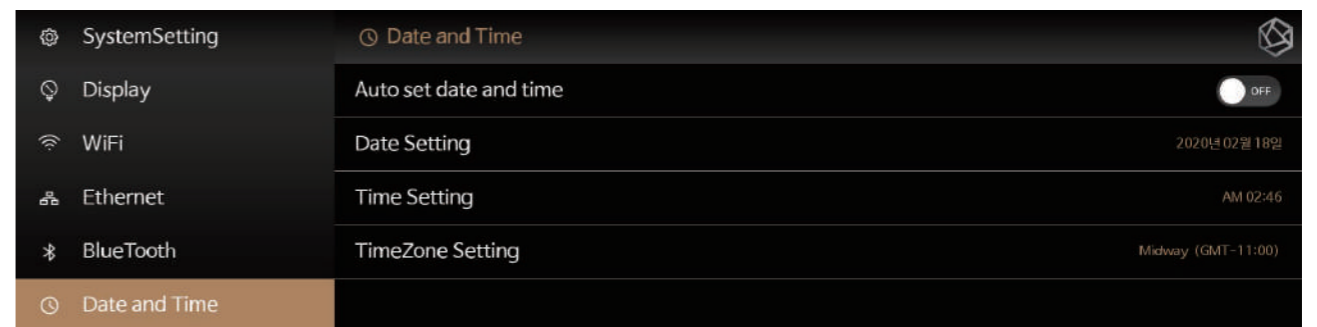
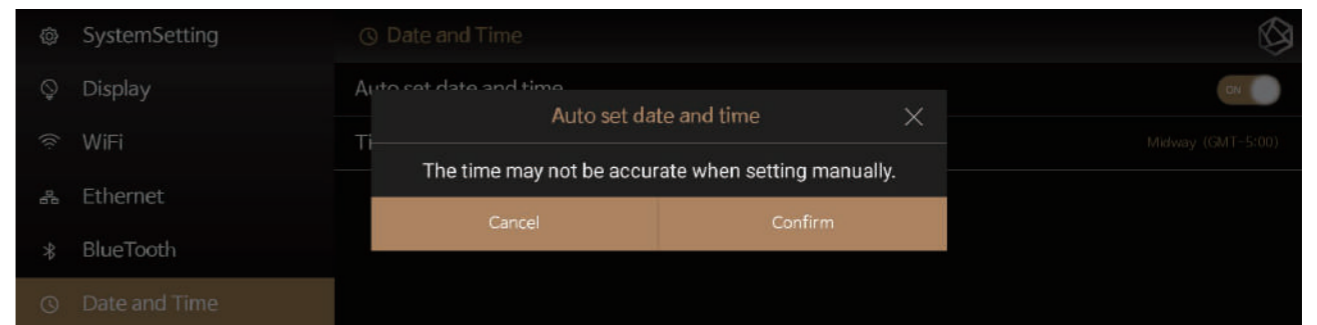
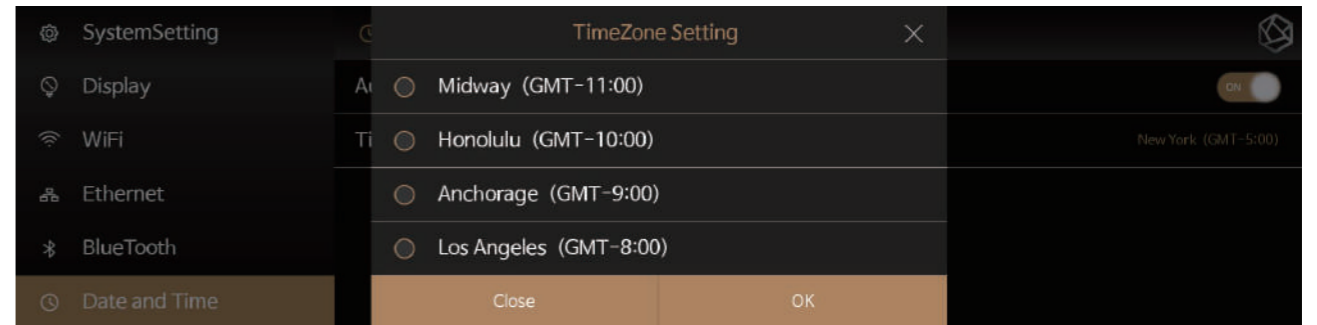
※ The average battery life of Bluetooth remote controller is about 3 ~ 4 months. If the power is low due to battery consumption, the Bluetooth remote controller may function poorly. In this case, replace the battery.

3-7. Date and Time

· In the default setting, the date and time auto setup menu is turned on. In normal network conditions, the date and time are automatically set according to the current location.



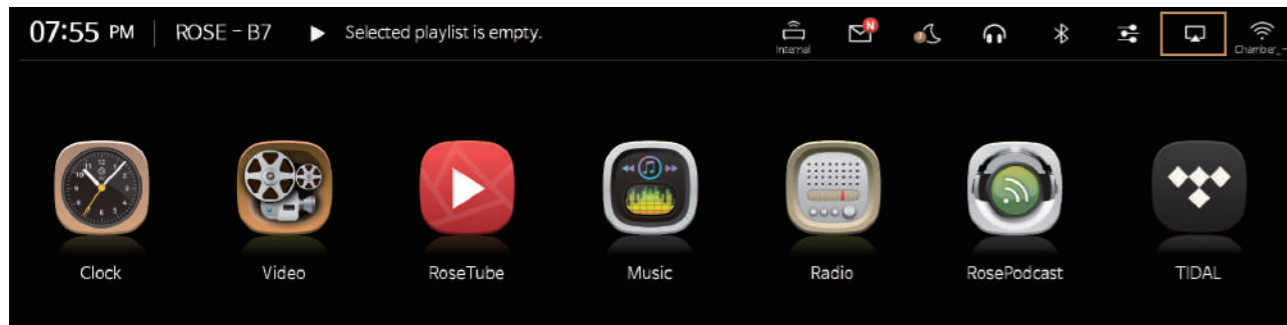
· If the network status is unstable and the time is not automatically updated, set the time zone according to your current location, or You can turn off the Auto Set Date & Time option and set the date and time manually.



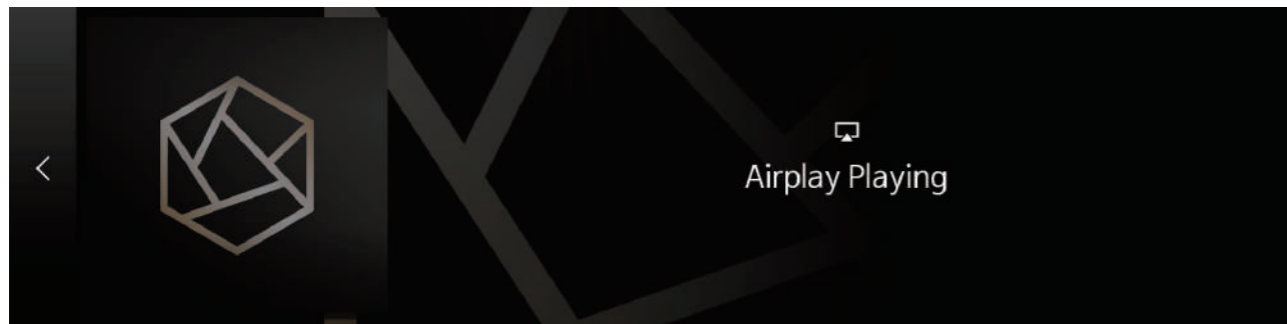
4. Wireless Network Play

4-1. Airplay

- You can connect ROSE with an Apple device or an application that supports Airplay.
- Applications and devices that support ROSE and Apple devices or Airplay must be connected to the same AP. (Wireless Network)
- The ROSE is searched on the device to connect to Airplay.
(Blinking white : Starting Airplay service / White : Available status)

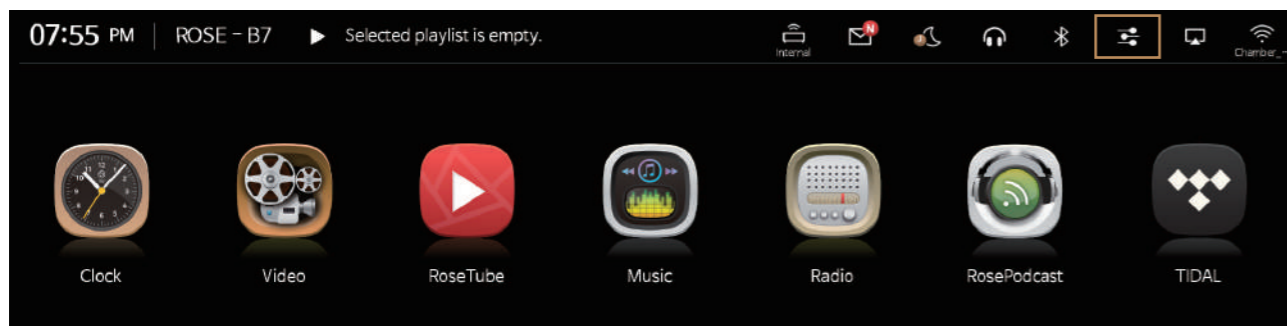


- After the AirPlay connection is accomplished, the ROSE goes to the Airplay screen when playing the music source, and when the other services (music, video, etc.) are running, the Airplay connection is disconnected.

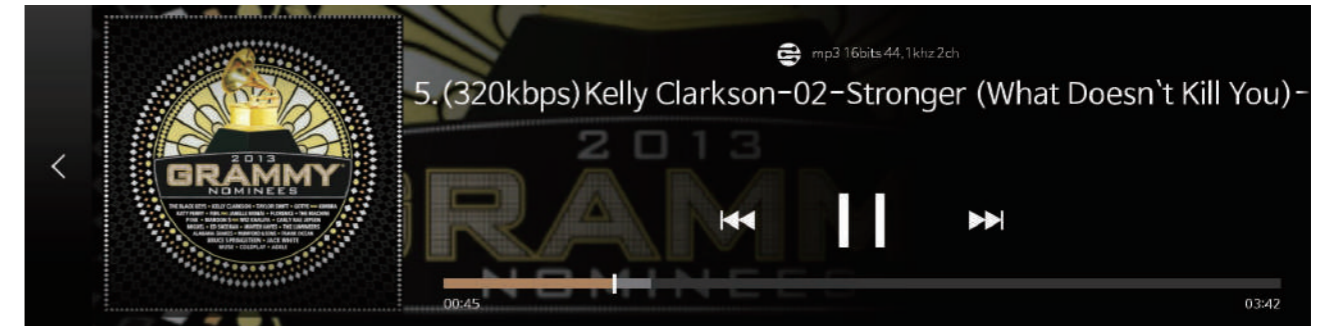


4-2. DLNA

- You can connect ROSE with apps that support DLNA connection. Devices that support ROSE and DLNA must be connected to the same AP (wireless network).
- When the network connection is complete, the DLNA service icon on the home screen will turn white and the ROSE device name will be searched for in apps that support DLNA. (White blinking : DLNA service is starting up / White : Connection status)

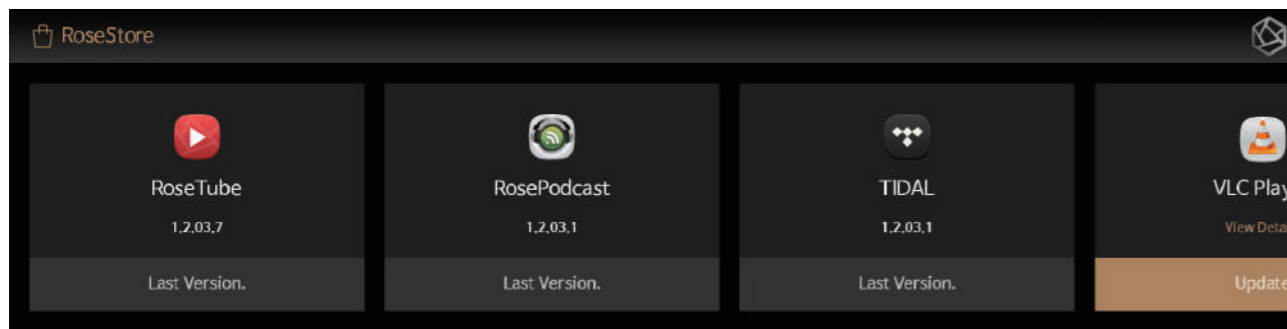
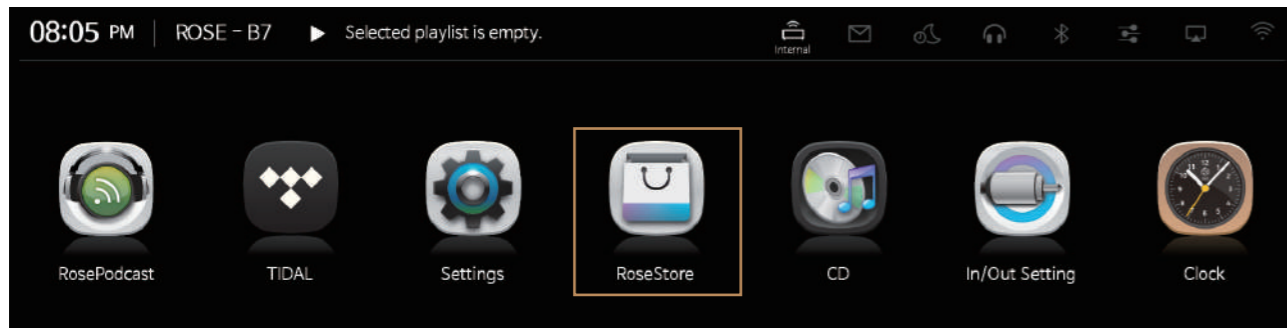


- After the DLNA connection is accomplished, the ROSE goes to the Airplay screen when playing the music source, and when the other services (Music, Video, etc.) are running, the DLNA connection is disconnected.



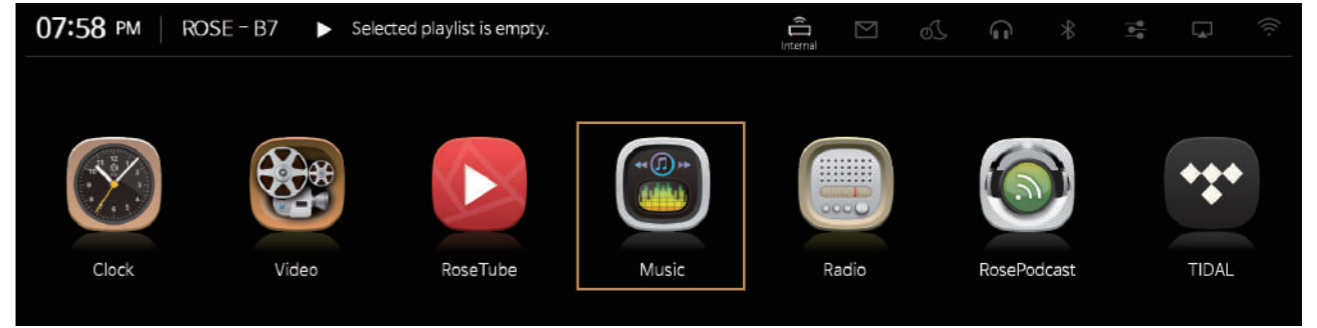
5. ROSE Store

- Click on the ROSE Store menu in the main widget to go to the ROSE Store screen.
- You can easily update ROSE Tube, TIDAL and ROSE Podcast to the latest version in ROSE Store without system update.



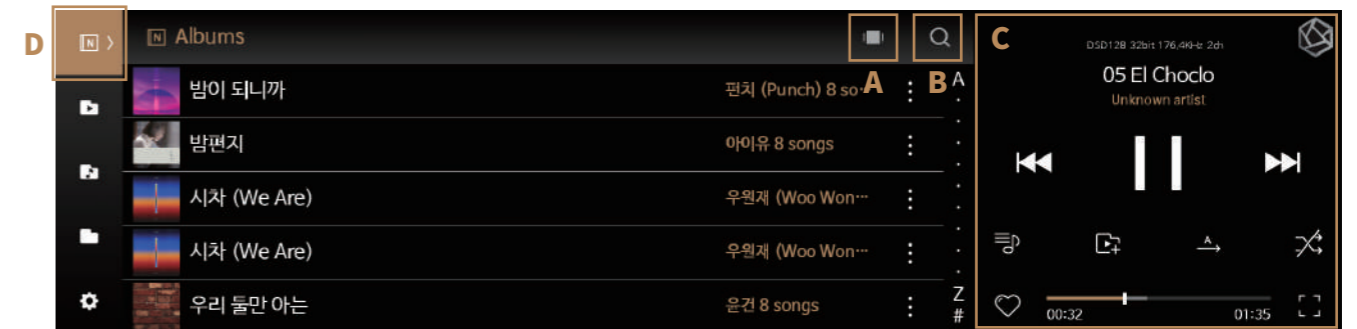
6. Music

- Click Music on the Home Menu widget to go to the Music menu.
- Sound source can be played through storage media (USB, micro SD Card, SSD) and home network.



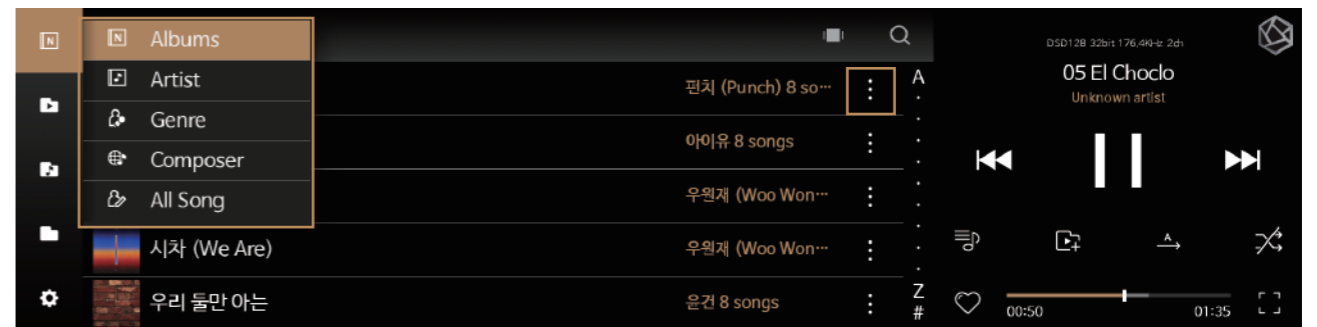
6-1. Main Menu(Album submenu)

- This is the first screen when the music menu is clicked in the home menu widget. If you click the album icon on the left side again, the sub menu popup appears.

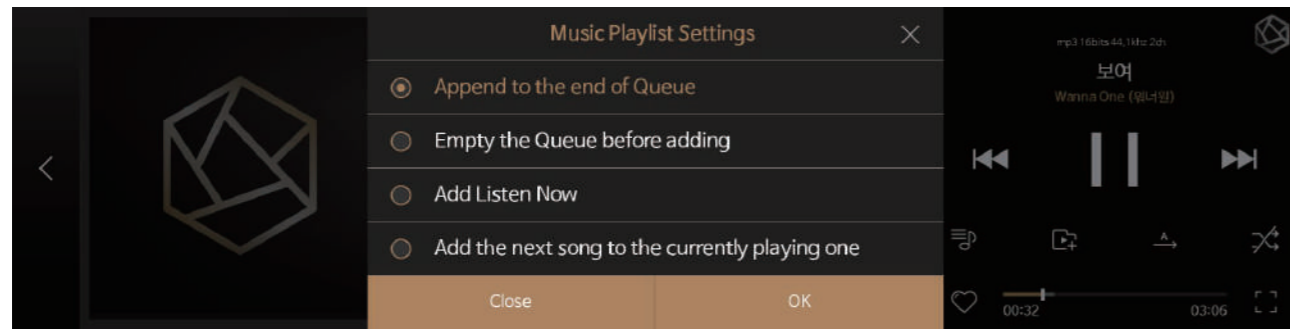


6-1-1.Sub menu

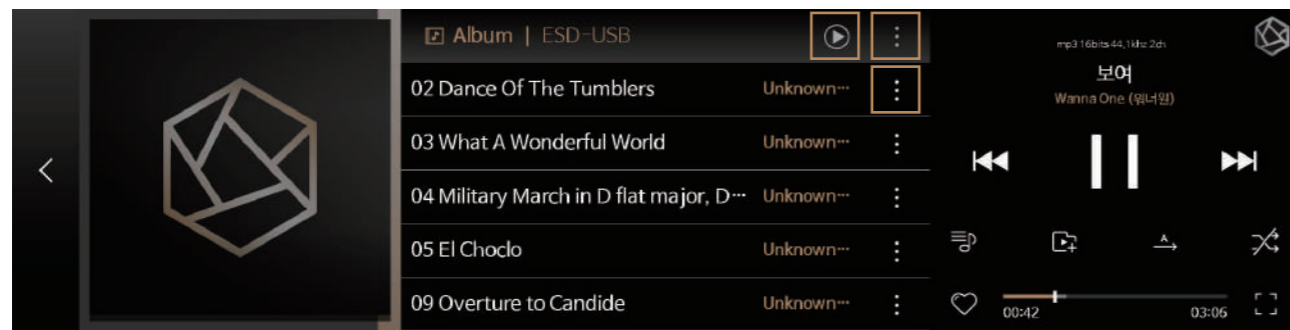
- If you select a category from the submenu list screen, the sound sources and albums from the storage media (USB, SD card, SSD) are shown.



- If you click the desired album, you can move to the sub-menu as shown in the following screen, or click the music playlist setting button on the right side of the list to add or play the selected sound source, album sound source, and artist sound source to the playlist.

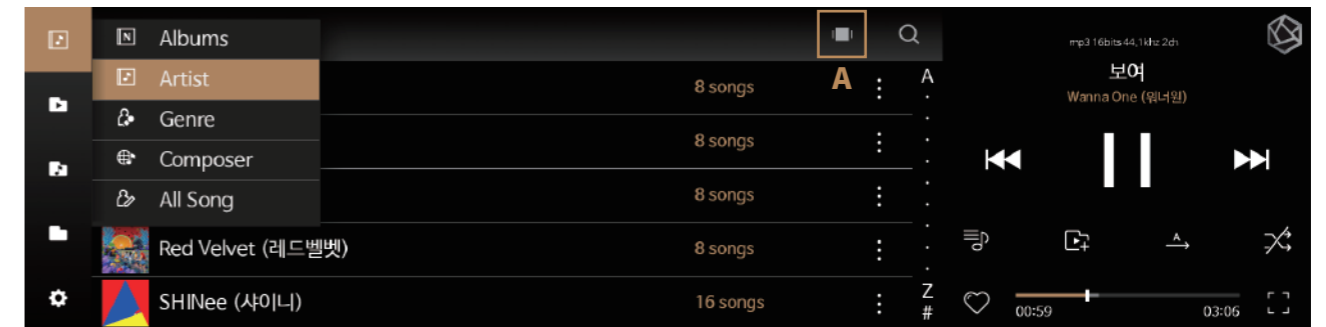


- In the sub (album) screen, you can play the selected source by tapping the source in the list, and edit the playlist for the selected source by pressing the Playlist Setup button on the right side of the list.
- The Playlist setup button at the top of the sub screen is a button to edit the playlist for the entire sound source of the album.

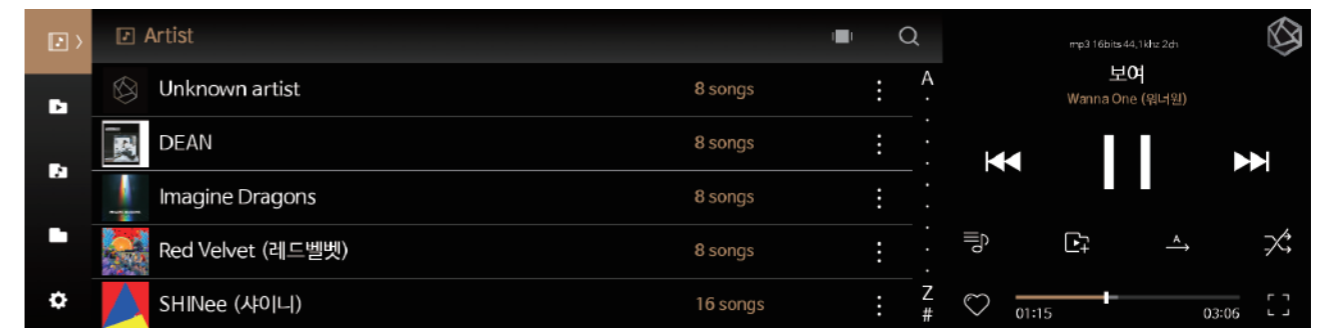


6-1-2. Change Type

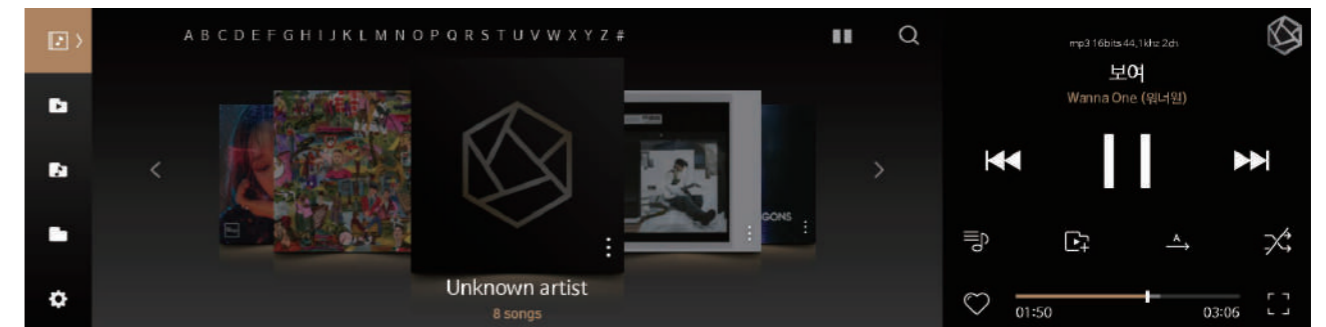
- Clicking the (A) button on the screen will change the type as the screen. It changes to Normal, Card View, and Grid type and shows the sound sources of the storage media according to the type of sub menu.



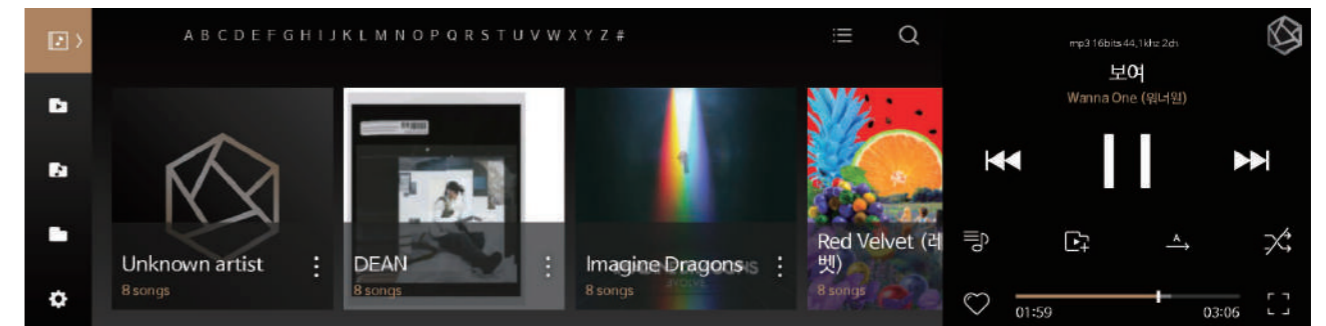
· Normal type



· Card View type

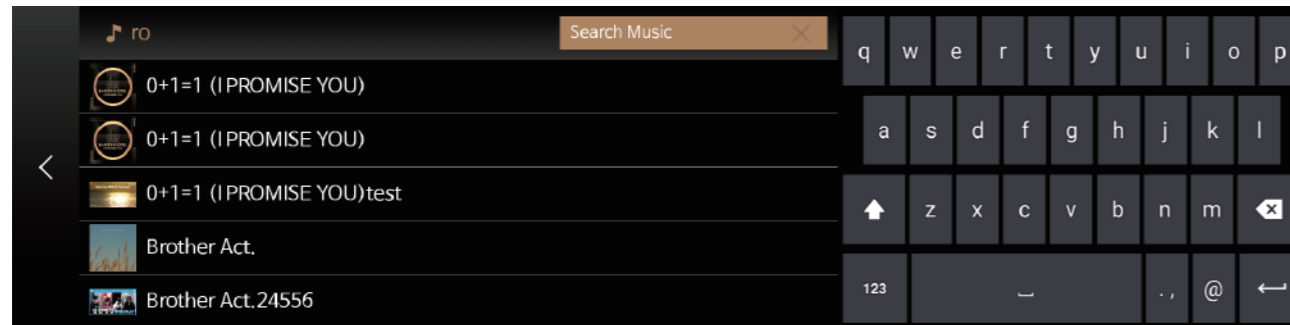


· Grid type



6-1-3. Search

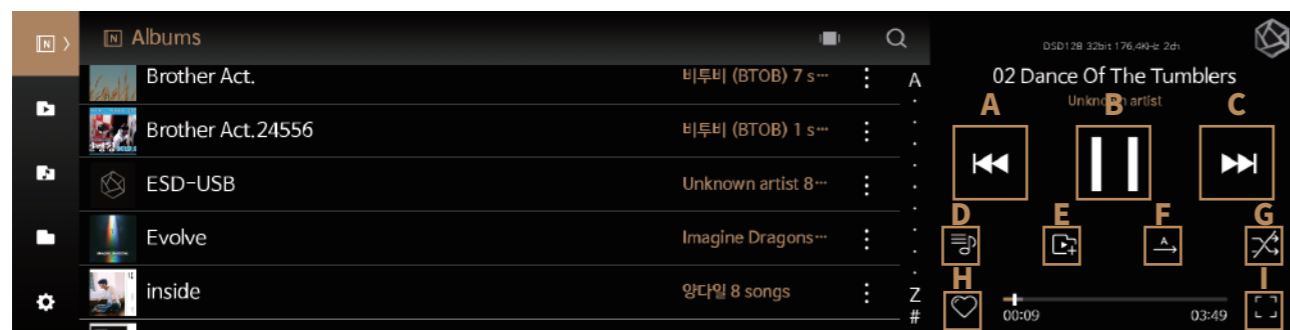
· Click (B) button on the 6-1 screen to move to the screen to search sound sources of storage media (USB, SD card, SSD).



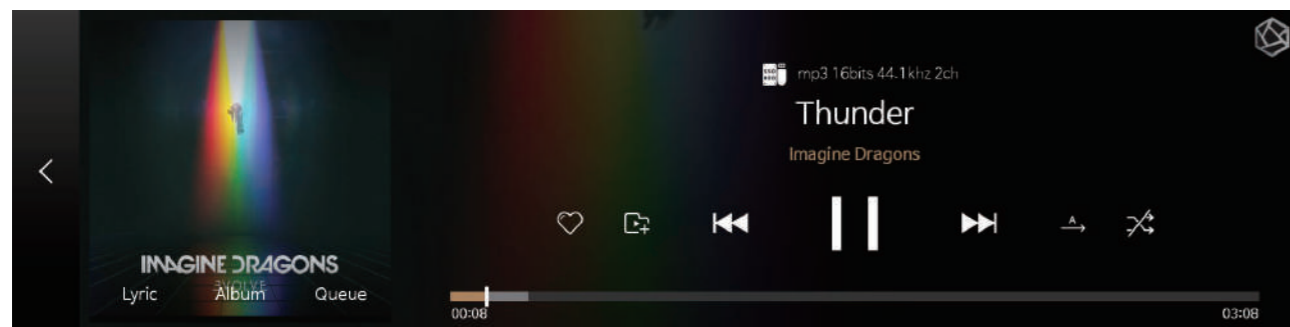
6-1-4. Music Player

· In the music player screen on the right side of the music menu, (A) is the previous song, (B) is the play, stop, (C) is the next, (D) is the playlist button, (E) is the playlist add button and The (F) and (G) icons are for repeating all songs and shuffle settings. (H) is the favorite button and (I) is the music player fullscreen button.

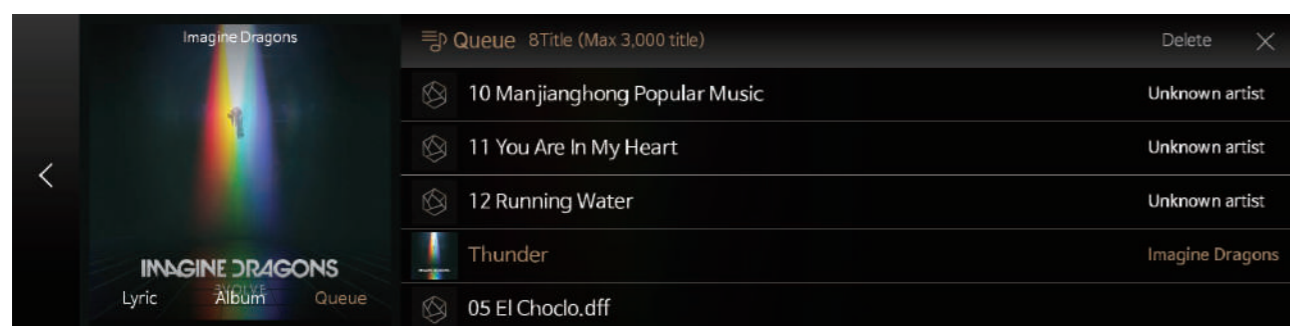
· In the A...Z area on the right side of the list, click or drag a specific location to quickly find the sound source you want.



· In the screen above, touch the title area except the button widget on the music player screen on the right side or click the full screen button (I) on the bottom right to change the music player screen to the full screen.

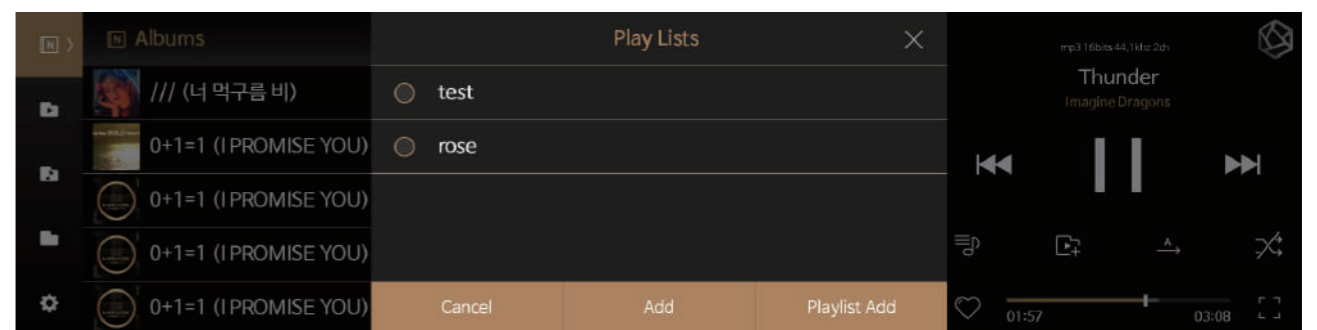
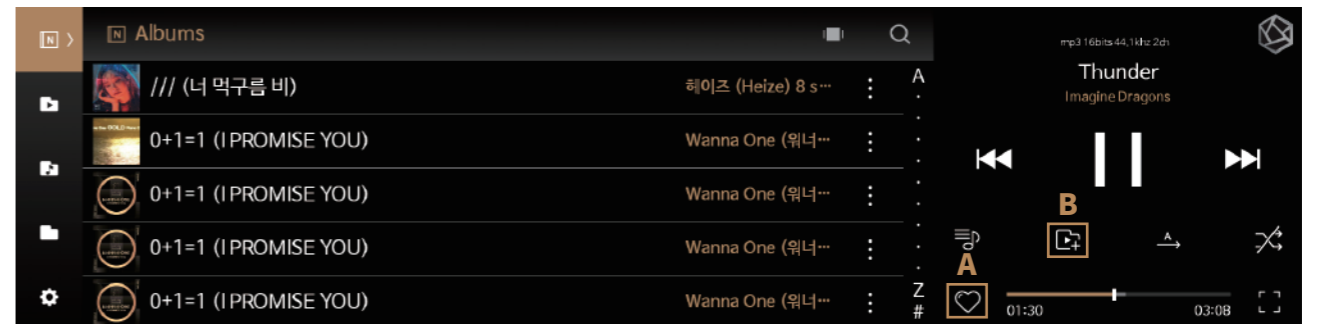


· Click Playlist icon (D) to move to Playlist screen.

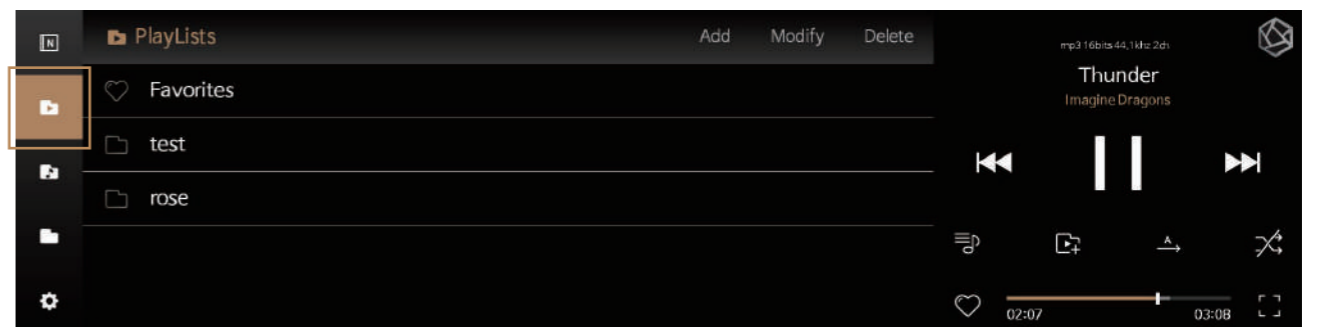


6-2. Favorites and Playlists

· Click the heart icon (A) on the player screen on the right to add it to Favorites, and when you click the playlist icon (B), a playlist popup window appears and you can add the selected sound source to the desired playlist. You can create playlists from the popup window.

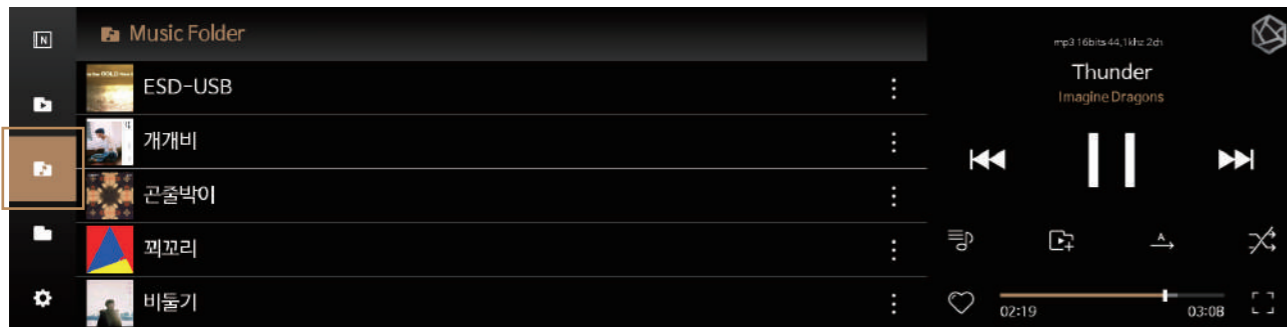


· Sound sources added to favorites or playlists can be played from the playlist menu.



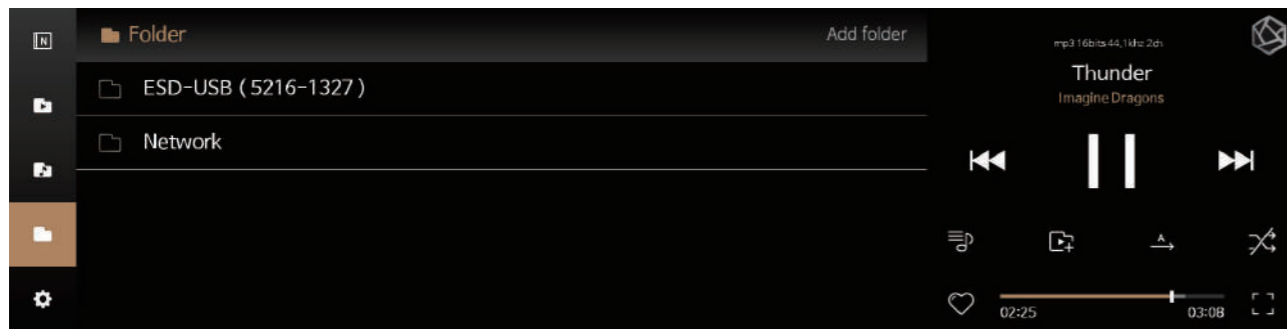
6-3. Music Folder

The music folder displays the folders containing music in the connected storage media (USB, Micro SD Card, SSD).

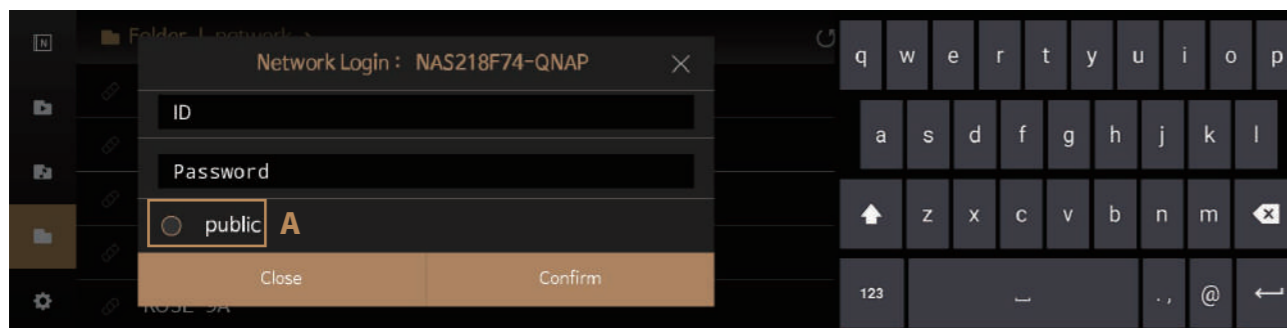


6-4. Folder

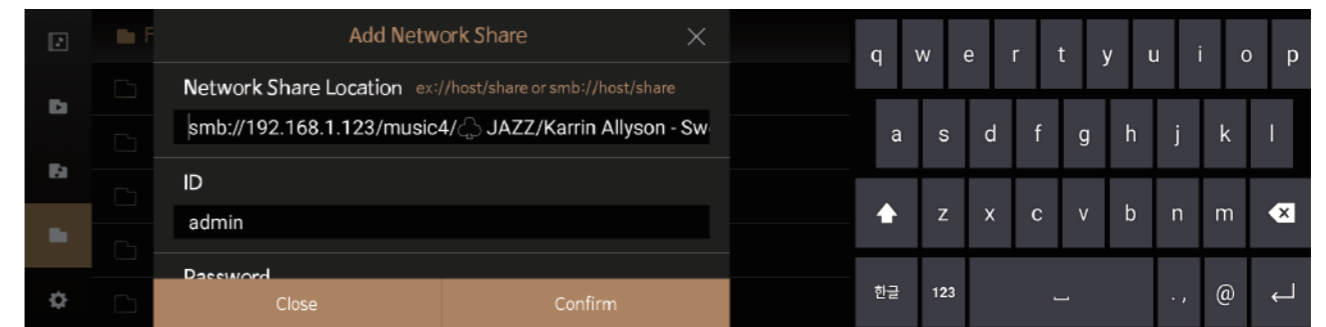
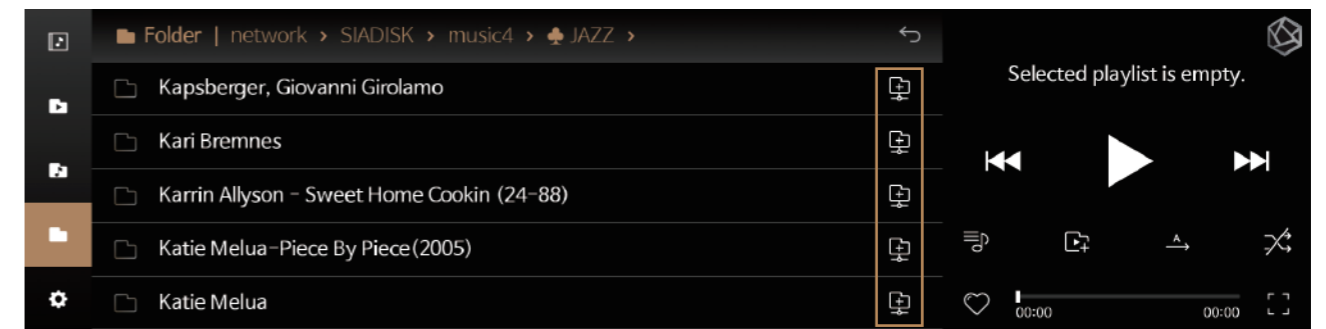
'Folder' imports folders on the connected storage media (USB, Micro SD Card, SSD) and folders on the network.
 If you click the folder menu on the bottom left of the music main screen, you can see the usb_storage (USB), external_sd (Micro SD Card), SSD, Network menu, and the list of network shares that you added.



After moving the folder, play the music file by clicking.
 If you click the Network folder on the screen, the list of PC, NAS, and network drives that have set up shared folders nearby will be displayed.
 If you enter the login information or do not have a password set, you can access the folder when you log in after checking (A).

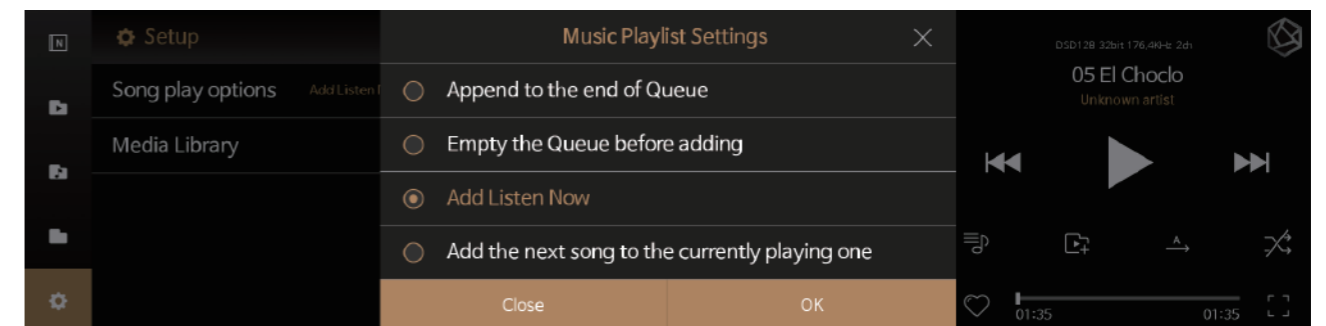
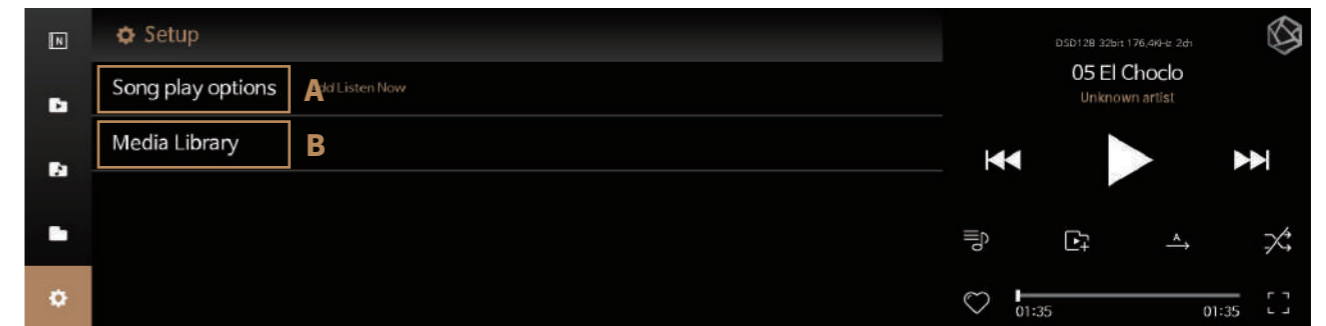


Access the folder where you want to add a network share, press the 'Add network share' button on the right side, and enter the path, ID and password.
 The added network share list is moved to the path set in the network share immediately after checking in the folder menu.

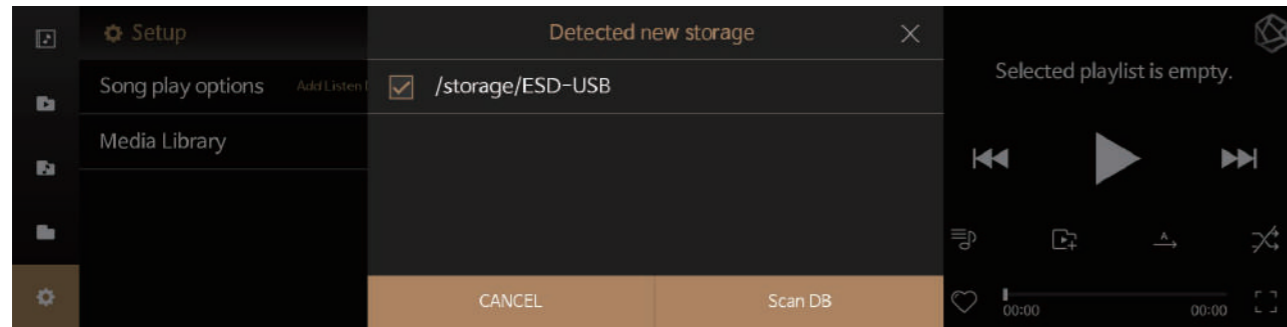


6-5. Music Setting

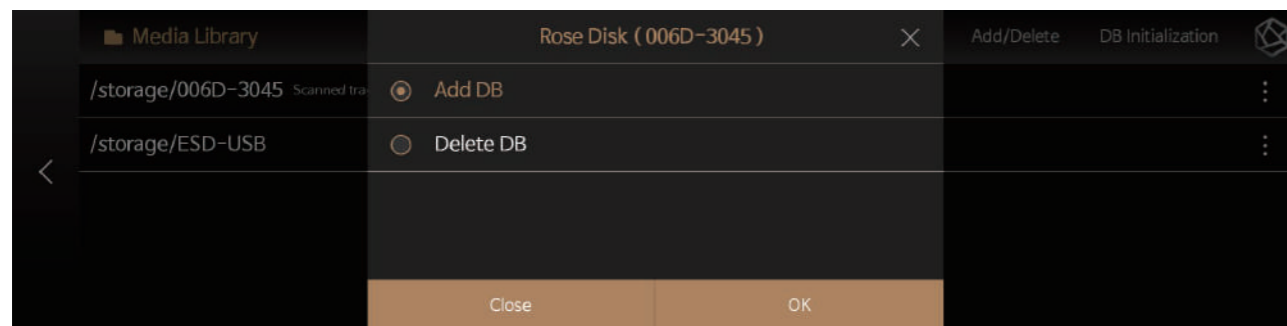
'Song playback option' (A) sets the option to be performed by default when clicking a sound source.
 'Append to the end of Queue' adds the clicked sound source to the end of the running playlist when the sound source is clicked.
 'Empty the Queue before adding' deletes the current playlist and adds the clicked sound source to the playlist.
 'Add Listen Now' adds the sound source after the currently playing sound source and plays the clicked sound source.
 'Add the song to the currently playing one' adds the clicked sound source immediately after the currently playing sound source.



- Media Library (B) is designed to eliminate the inconvenience of waiting for media scan after connecting the storage media (USB, SD Card, SSD) every time, or moving the subfolder every time to find the desired sound after logging in to the home network. You can save media by scanning (adding storage) sub-sources of the storage media or network share.
- If you do a media scan (add storage), you do not have to wait for media scans or load lists from your home network after reconnecting the same media.
- To move to Media Library Setup Menu, if you connect a media not scanned media (USB, SD Card, SSD), you can go to the setup menu via a popup.
- Or, click the Media Library menu (B) to go to the Media Library Settings menu.
- In the Media Library Settings menu, you can see the connected storage media and the list of network shares that you added in the Folder menu.
- When the media scan is in progress, the number of tracks imported is displayed to the right of the name in the list. If the media is not scanned, the number of tracks imported is not displayed.
- Click on the list and a pop-up will appear to choose whether to scan media (add storage) and delete storage. Depending on the settings you selected, proceed with media scanning or delete storage. However, if the storage medium is already scanned, no popup will appear.

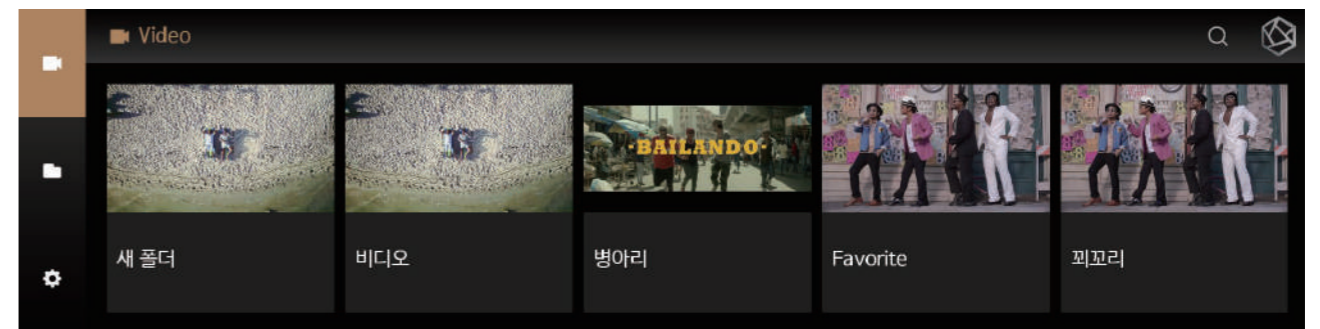
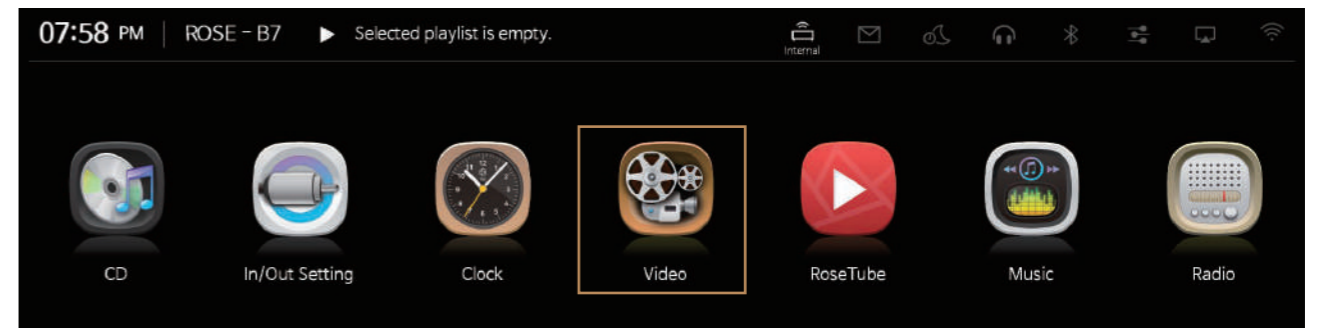


- Press the refresh button on the right side of media library setting menu to refresh the list. (A)
- Press the Add / Delete button to move to the folder menu and add or delete a list of network shares. (B)
- Pressing the reset button will restart ROSE and reset all data information that has been media scanned (C)



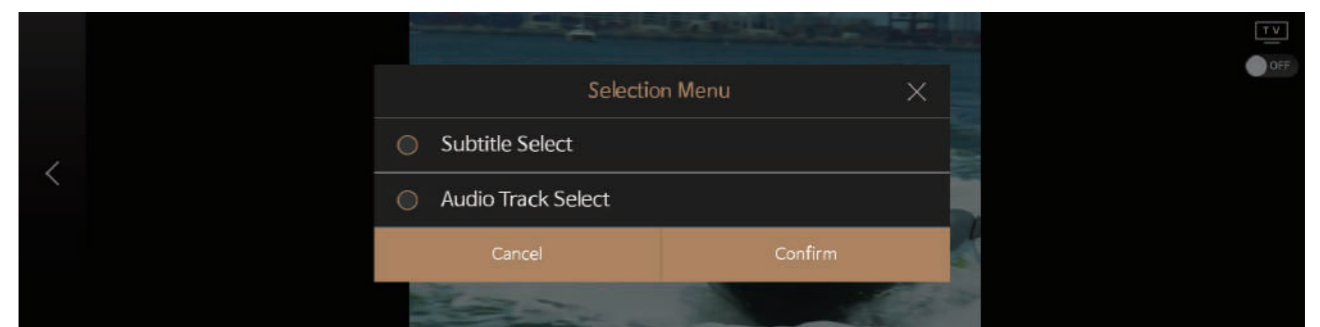
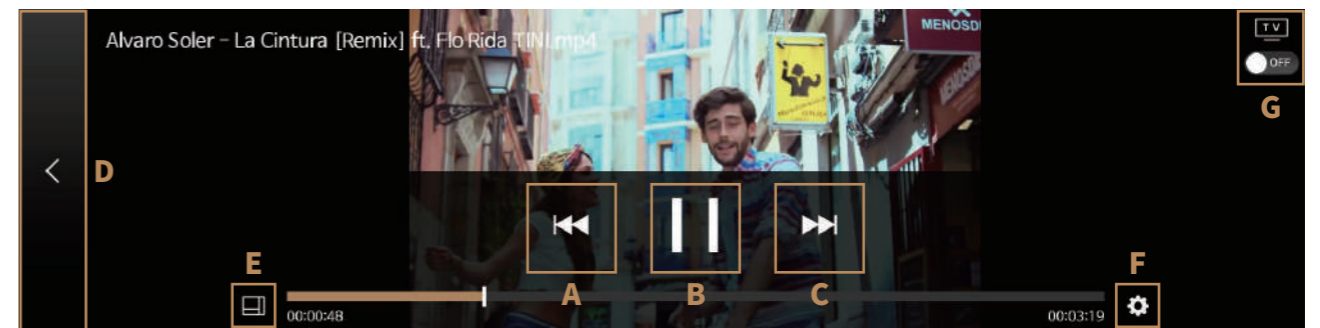
7. Video

- When you click the video menu in the home menu widget, you will be taken to the video main screen.
- You can play videos from storage media (USB, SD Card, SSD) and home networks.



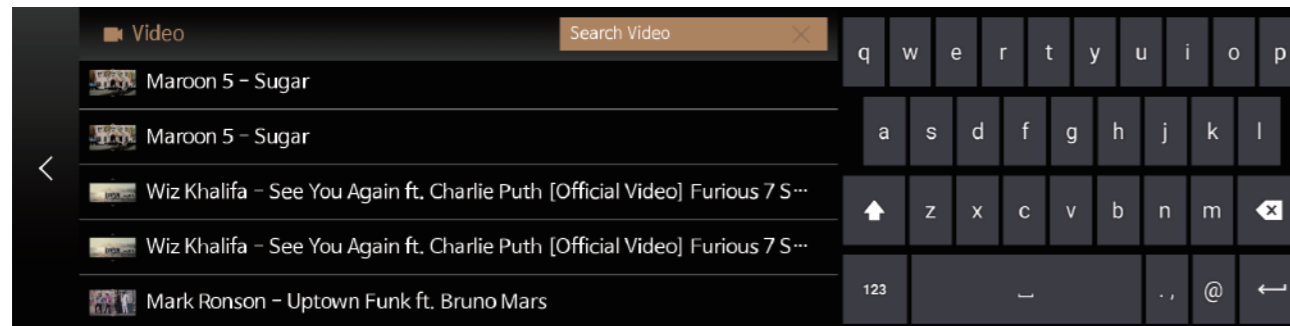
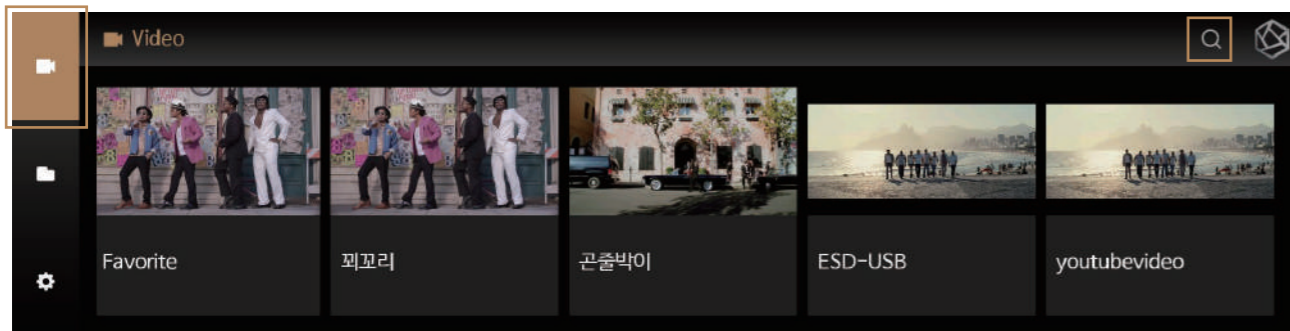
7-1. Video Player

- Select the video you want to watch on the main video screen to go to the video player screen.
- On the video player screen, (A) is the previous video, (B) is the play / stop, and (C) is the next video button. (D) is to go back, (E) is to set display size, (F) is to set image, and pop-up window to select subtitle or audio track appears. The (G) button is an HDMI icon. (The detailed functions of HDMI are described on page 40)



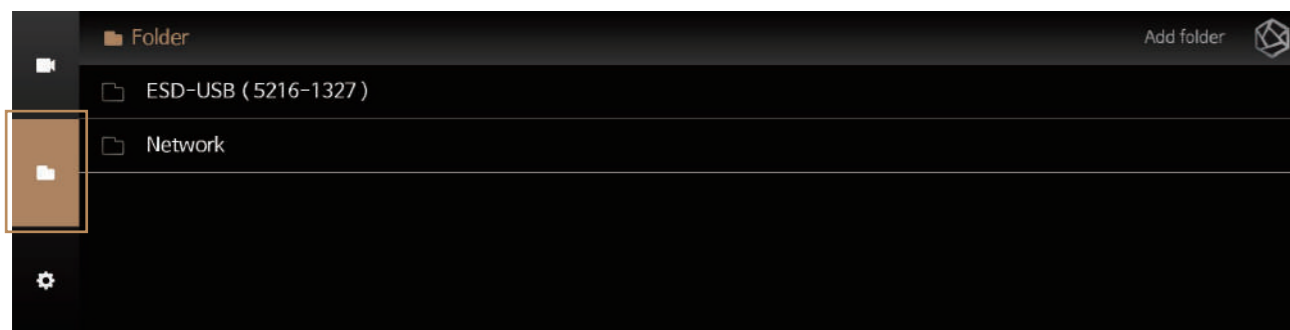
7-2. Video Search

- Click the search icon on the top right corner of the video main screen to move to the video search screen. You can search and play the video files you want from the storage media (USB, SD Card, SSD).

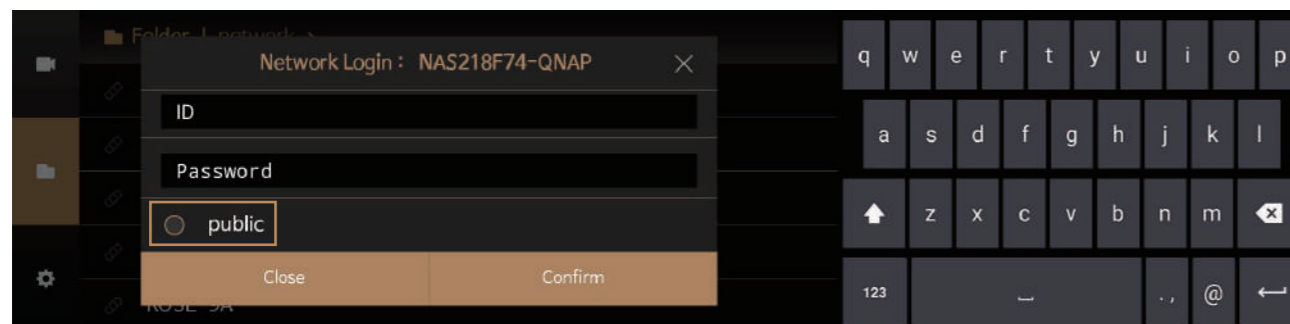


7-3. Folder

- Folder imports folders on the connected storage media (USB, Micro SD Card, SSD) and folders on the network.

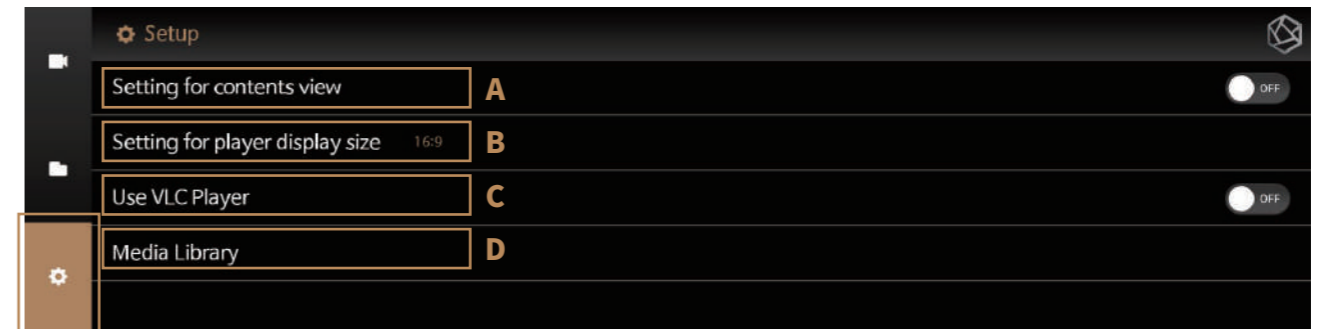


- After moving to the video file storage location of the connected storage medium, click to play the video.
- When you click the Network folder, PCs, NAS, and network drives that have set the shared folders around are searched and displayed as a list. Enter the login information, or if the password is not set, access the folder when logging in after checking the public.

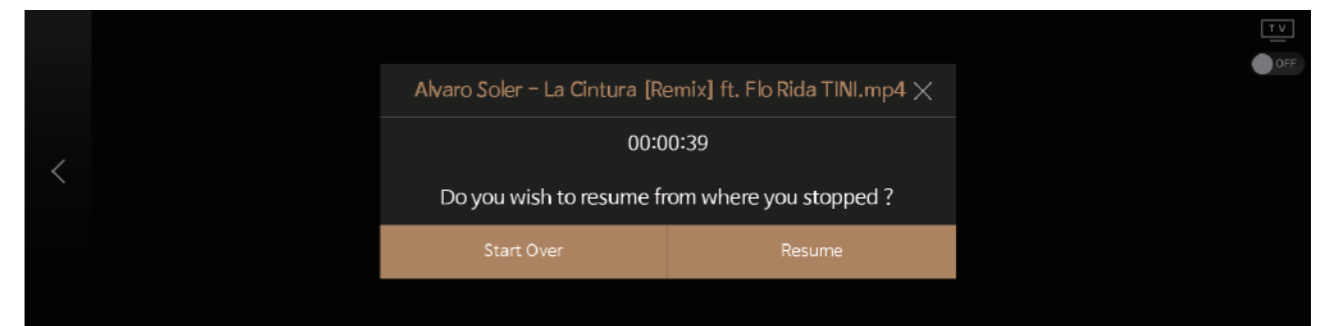


7-4. Video Setting

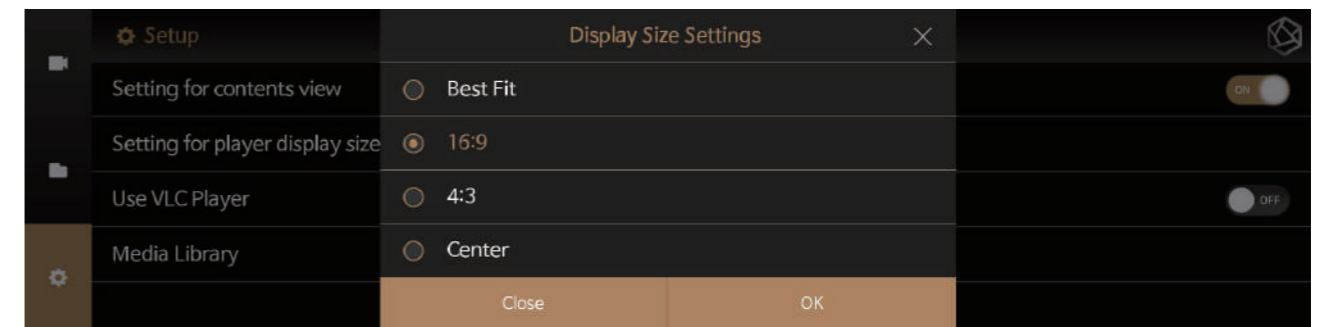
- If you enable the Auto Play setting for contents view(A), the next video automatically plays after the video finishes playing.



- If you replay the video you watched with the content resume setting enabled in the picture, the resume pop-up window appears as shown below.

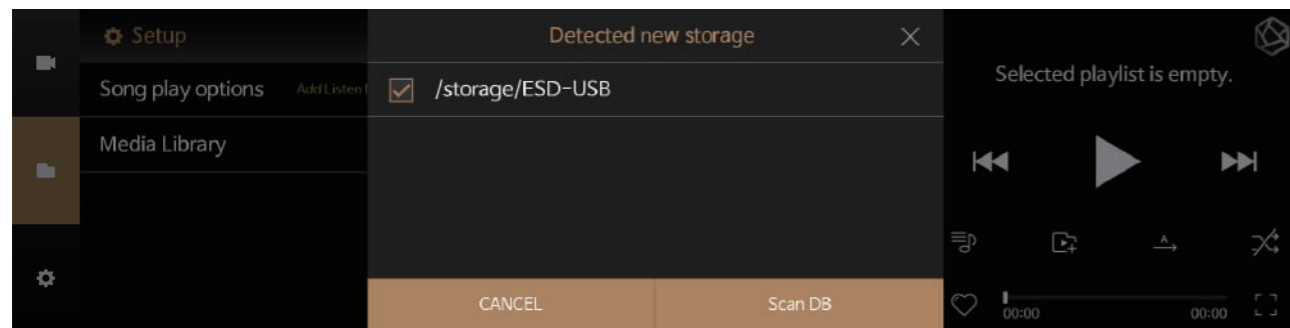


- If you click Setting for player display size(B), a popup window appears and you can set the display size.

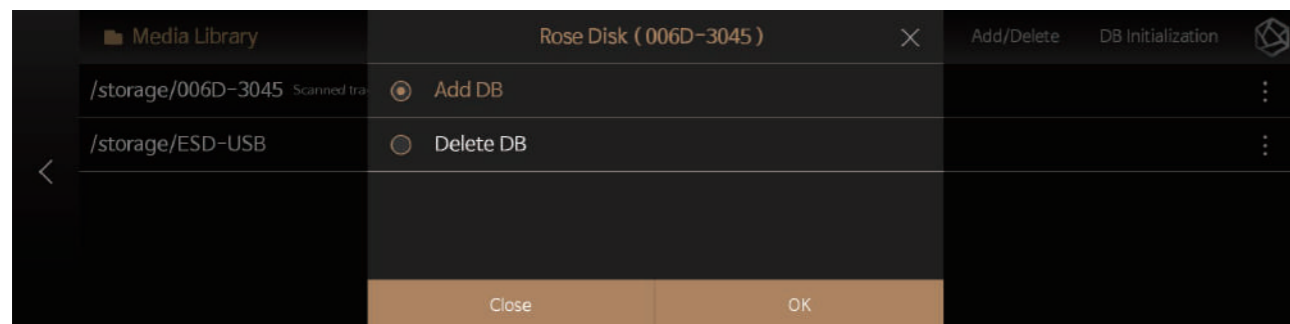
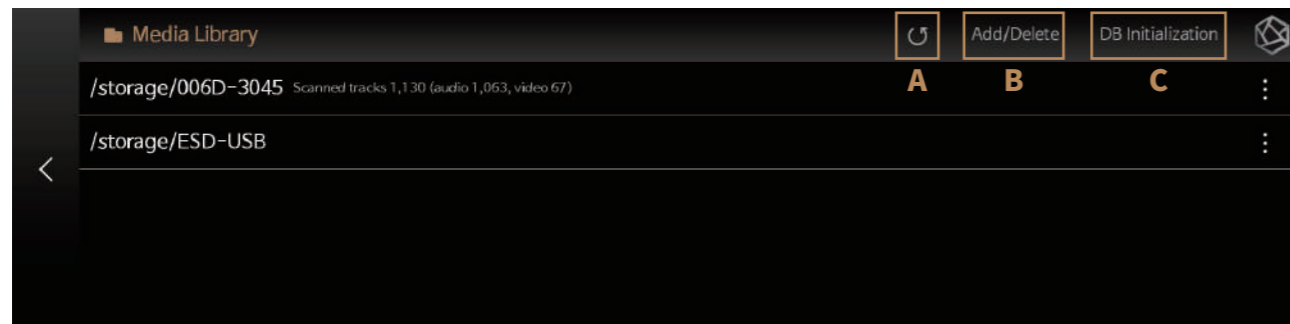


- If you use the VLC player (C), the video will be played with a VCL player. (Install VLCPlayer from Rose Store)

- Media Library (D) is designed to eliminate the inconvenience of waiting for media scan after connecting the storage media (USB, SD Card, SSD) every time, or moving the subfolder every time to find the desired sound after logging in to the home network. You can save media by scanning (adding storage) sub-sources of the storage media or network share.
- If you do a media scan (add storage), you do not have to wait for media scans or load lists from your home network after reconnecting the same media.
- To move to Media Library Setup Menu, if you connect a media not scanned media (USB, SD Card, SSD), you can go to the setup menu via a popup.
- Or, click the Media Library menu (D) to go to the Media Library Settings menu.
- In the Media Library Settings menu, you can see the connected storage media and the list of network shares that you added in the Folder menu.
- When the media scan is in progress, the number of tracks imported is displayed to the right of the name in the list. If the media is not scanned, the number of tracks imported is not displayed.
- Click on the list and a pop-up will appear to choose whether to scan media (add storage) and delete storage. Depending on the settings you selected, proceed with media scanning or delete storage. However, if the storage medium is already scanned, no popup will appear.

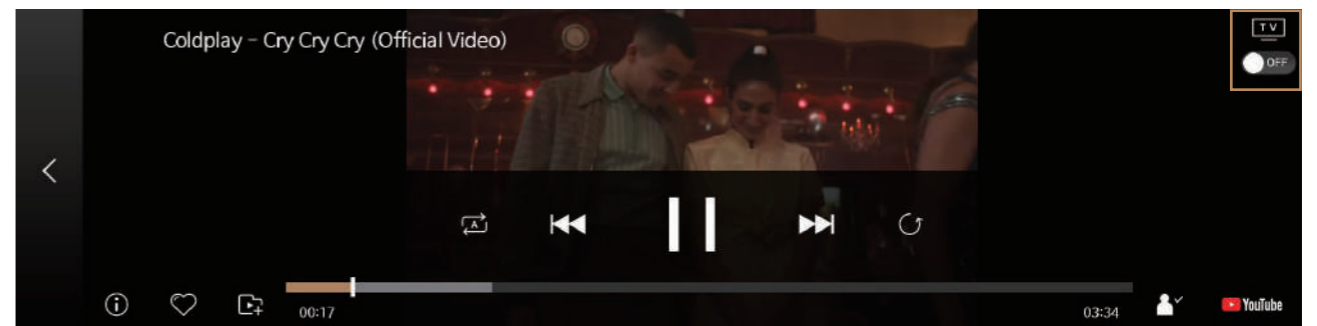


- Press the refresh button on the right side of media library setting menu to refresh the list. (A)
- Press the Add / Delete button to move to the folder menu and add or delete a list of network shares. (B)
- Pressing the reset button will restart ROSE and reset all data information that has been media scanned (C)



8. HDMI Connection Setting

- You can activate the HDMI connection by clicking on the TV ON / OFF button on the top right of the video player and the ROSE Tube player.

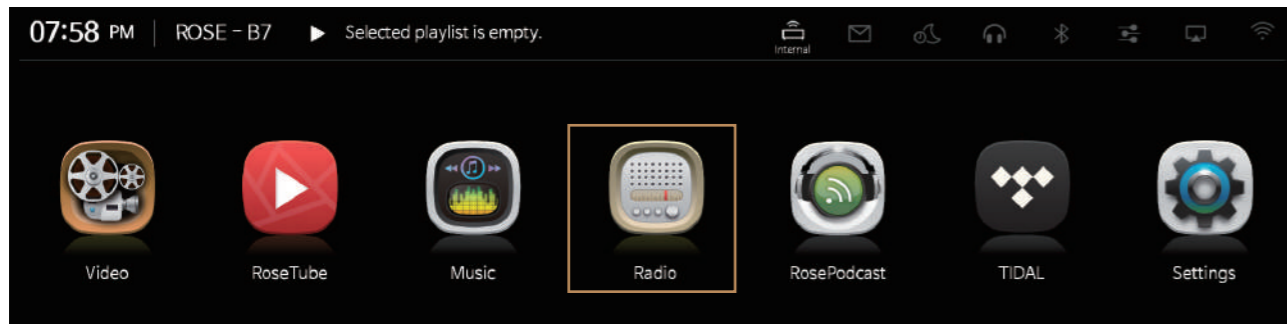


- If you click the TV ON / OFF button on the top right, the screen of the ROSE moves to the screen of the TV player, and the video is played on the TV or monitor connected with the HDMI cable.

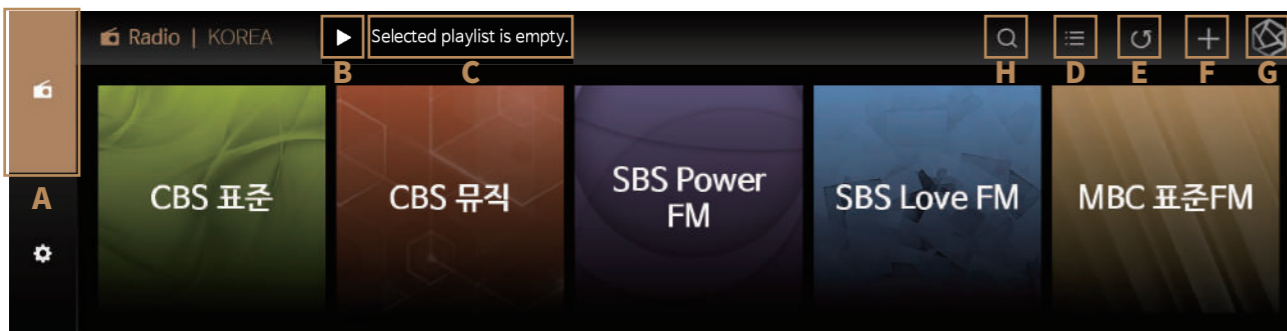


9. Radio

- On the Home Menu widget, click Radio Menu to go to the Radio main screen.
- You can enjoy the internet radio provided by ROSE. (Radio channels may be changed, added or deleted without prior notice depending on the manufacturer's circumstances.)

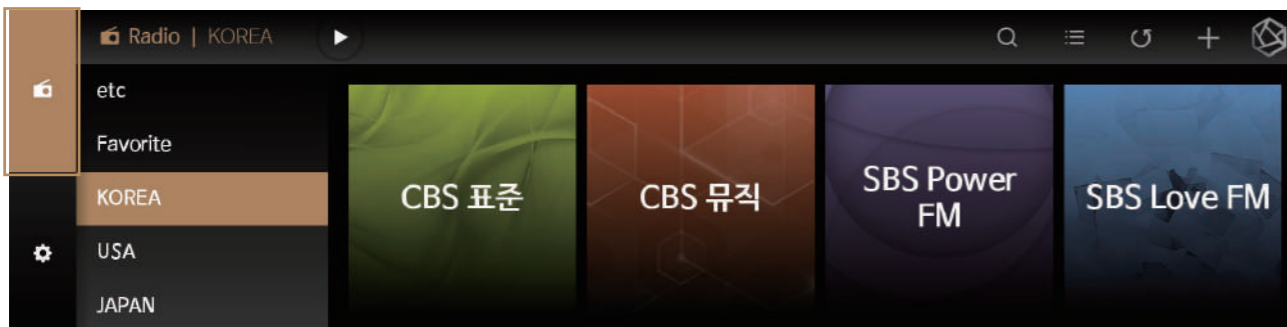


- Click the submenu button (A) on the screen to display the submenu window. (B) is the radio stop / play button that is currently playing. Click on the currently playing radio channel title (C) to move to the Radio Player screen. Click the List View button (D) to change the radio channel between list and image mode. Click the Refresh Radio Channel (E) button to update the radio channel. You can add a radio channel by clicking the Add Radio Channel (F) button. Clicking the home button (G) takes you to the ROSE main screen. When you click the Radio Search Button (H), you can search for the desired radio channel from the list of radios registered on the server.



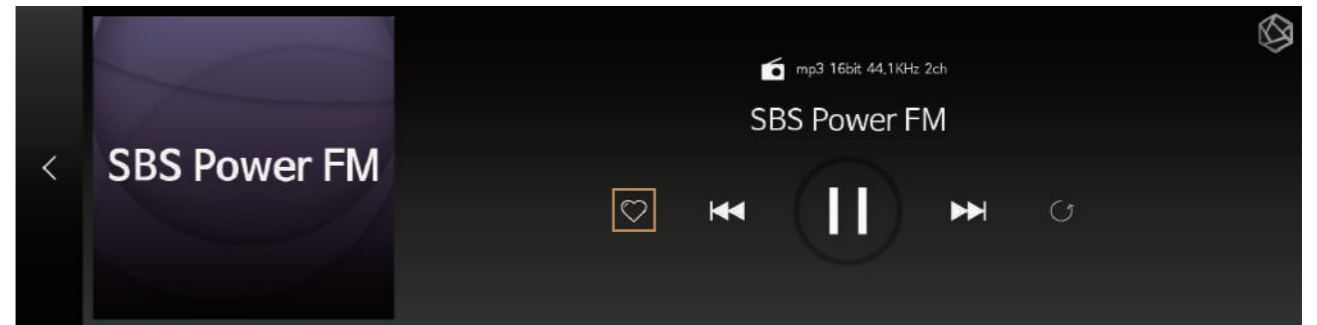
9-1. Submenu of Radio

- After moving to the radio main screen, click the radio home button (A) to view the radio channels set by country.
- Click the desired category on the sub menu list screen to move to the corresponding category radio channel list when clicking a category.

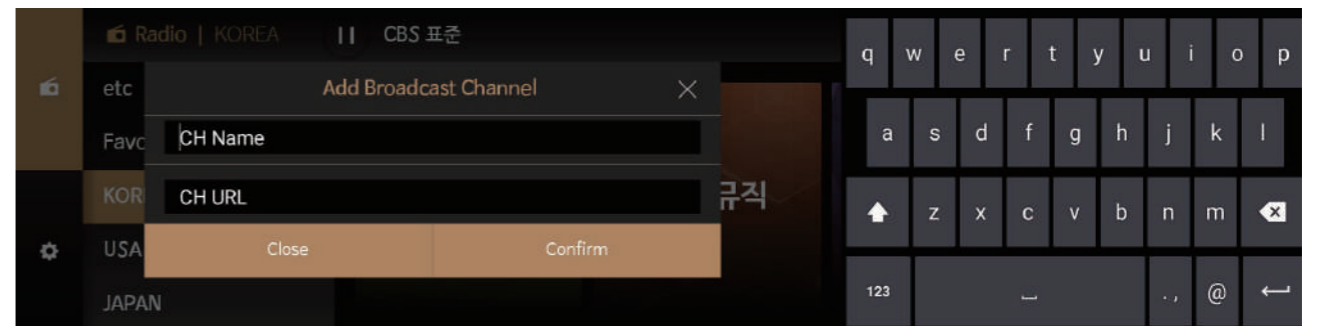


9-2. Add Radio Channel, Favorites

- If you click the radio channel title (C) that is playing on the radio main screen, in the radio full screen player that moves, click the heart icon to add the radio channel to the favorites menu.
- Favorite radio channel list can be checked by selecting Favorite category in sub menu window.

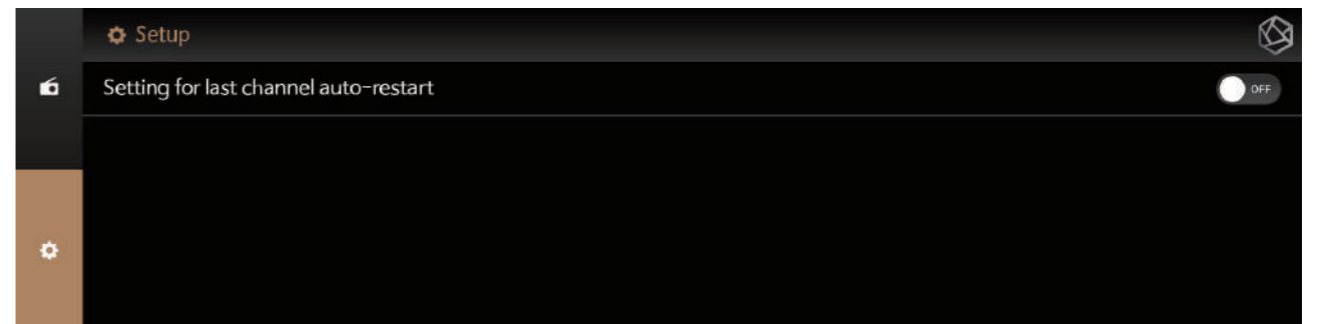


- Click the plus icon (F) at the top right of the radio main screen to display the popup window for adding a radio channel. Enter a channel name and channel to add a radio channel. (Not added unless it is a valid address in the form mms://, http://.)
- The added radio channel can be checked by selecting the etc category in the sub menu window.



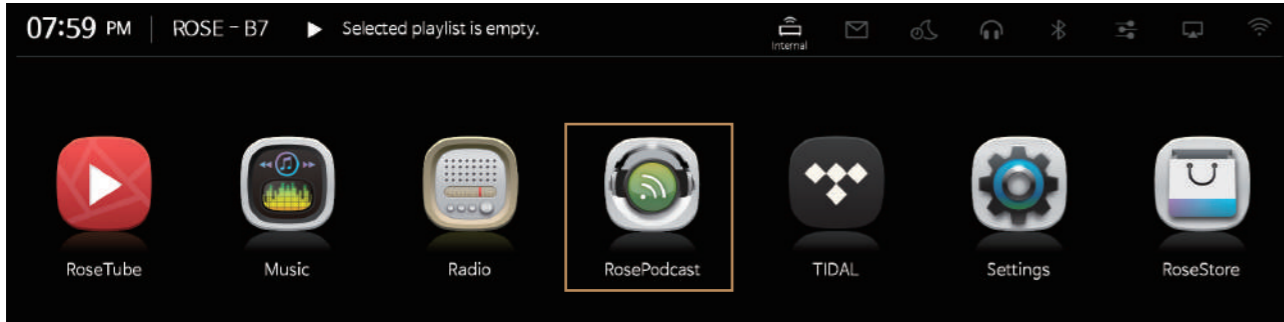
9-3. Radio Setting

- If you enable the 'Setting for last channel auto-restart' in the photo, the most recently listened radio is automatically played when you enter the radio menu.



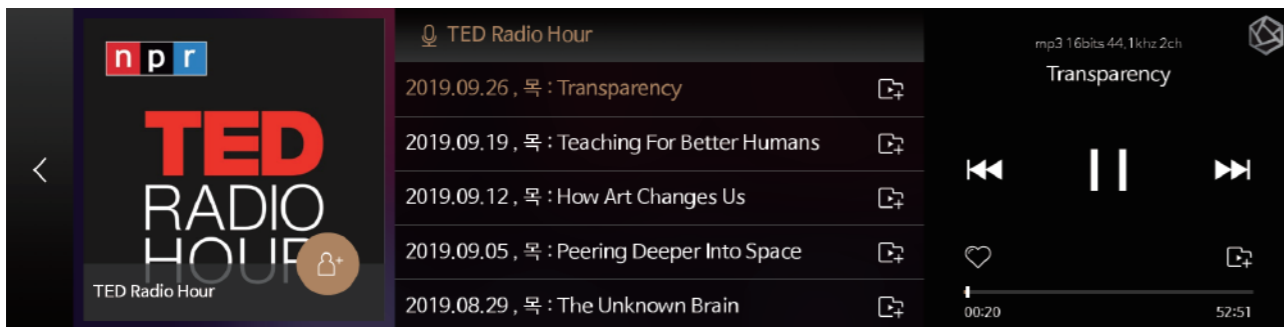
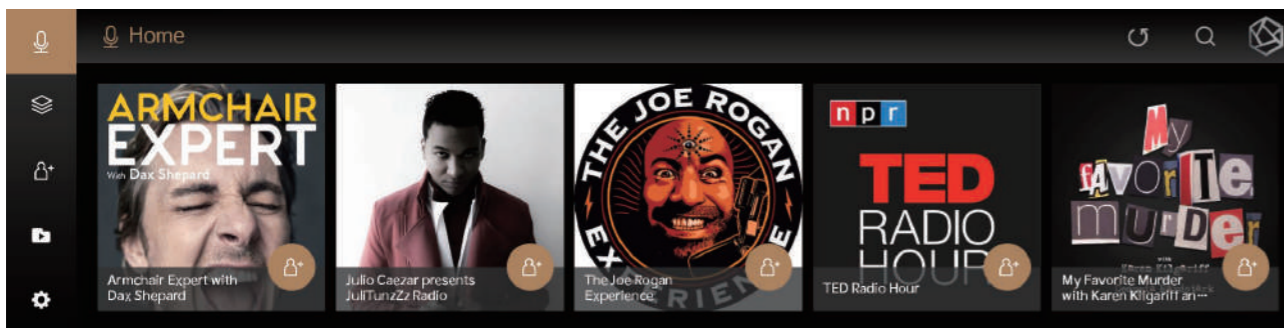
10. ROSE Podcast

· Click the Podcasts menu in the Menu widget on the home screen to go to Podcasts Home.



10-1. Home

· The Podcast menu shows a list of popular channels by category.
 · When clicked, it moves to the corresponding podcast channel, and you can play the channel you want.



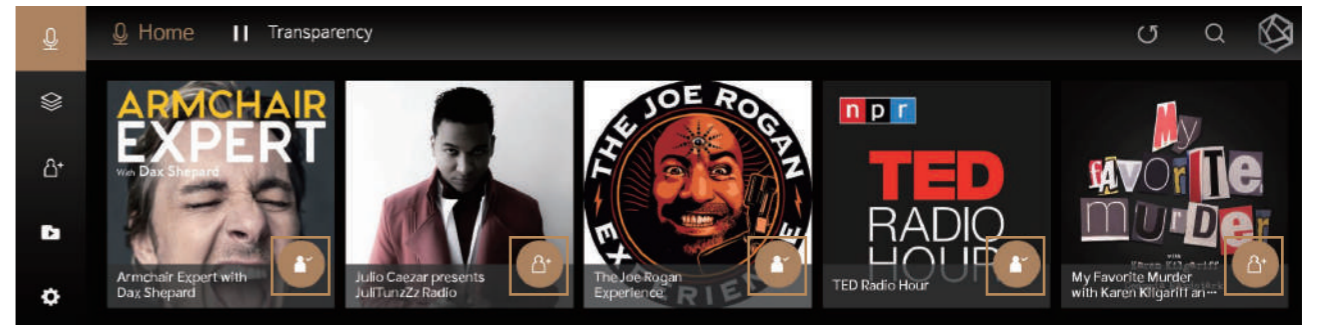
10-2. Category

· Click the category menu on the left side of the podcast to choose the category menu.
 · Select a category to see a list of podcast channels for that category.



10-3. Subscription

· Click the Subscribe icon on the bottom right of the podcast channel to subscribe.

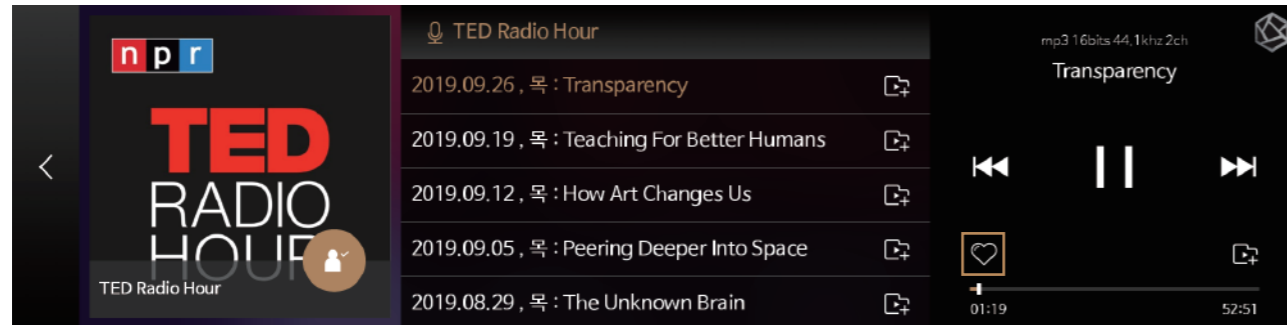


· You can check the list of subscribed channels by clicking the subscribe menu on the left.

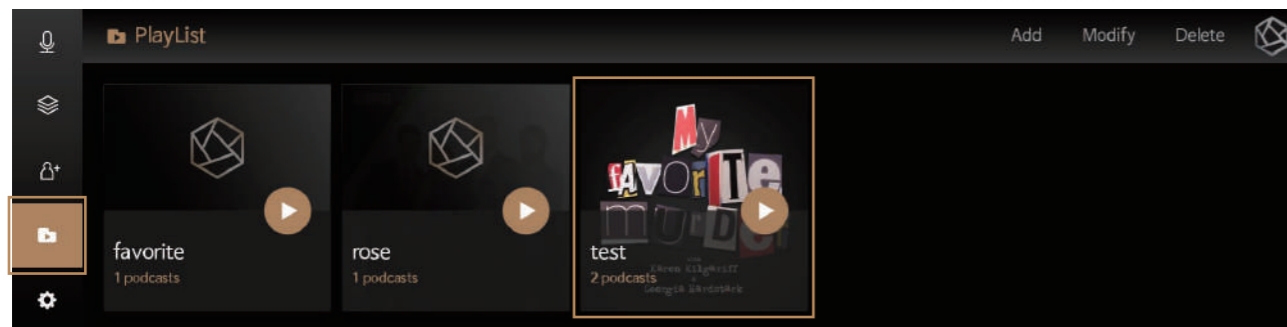


10-4. Favorites and Playlists

- Favorite radio content by date of the podcast channel being played, you can add it to your playlist.
- Click the heart icon on the bottom right of the podcast you are playing to add it to your favorites.



- Favorite content can be found in 'Favorite' after clicking the playlist menu on the left side of the podcast.



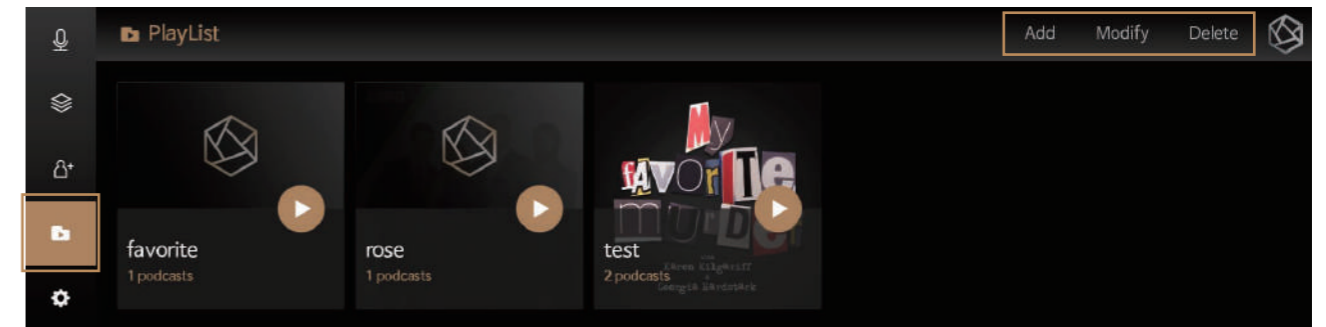
- If you click the podcast and enter the podcast channel list, you can add playlists and create playlists by clicking the playlist icon on the right of the radio list by date.



- Click on the right podcast channel title in the podcast channel list to go to the podcast player screen.

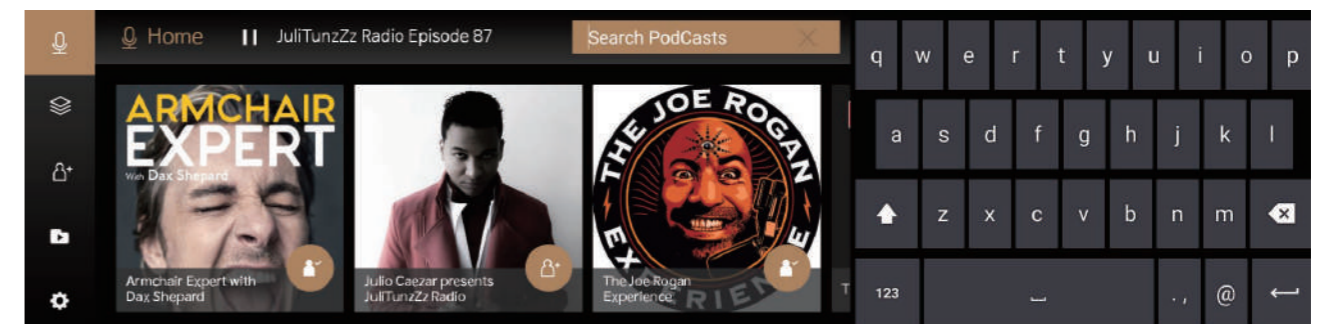
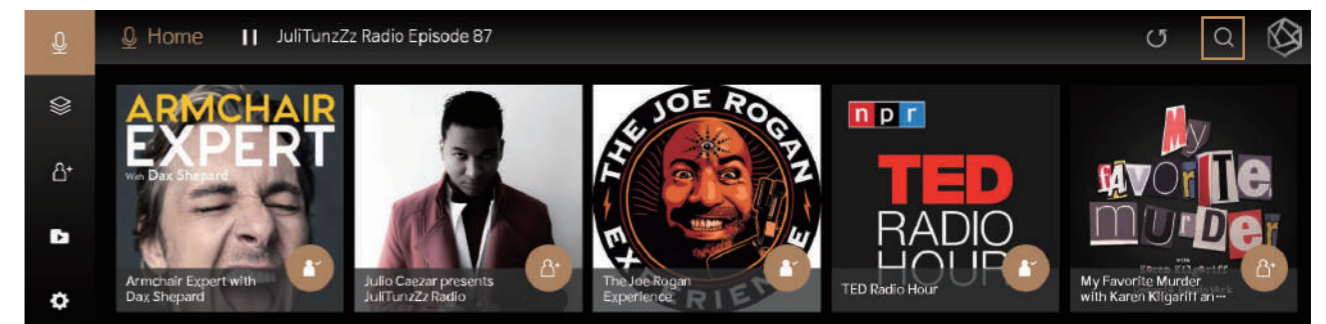


- Added radio content by date can be found in the playlist menu.
- You can add, edit and delete playlists from the playlist menu.



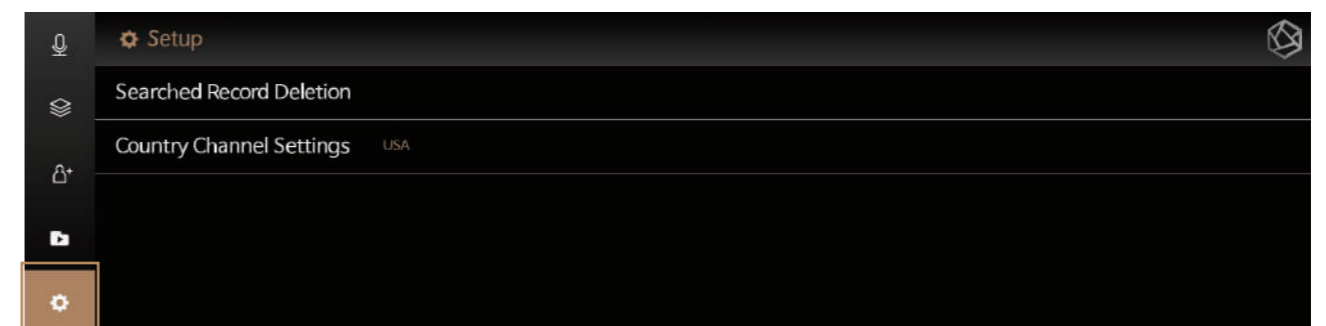
10-5. Search

- Press the Search button to search for the desired podcast channels.



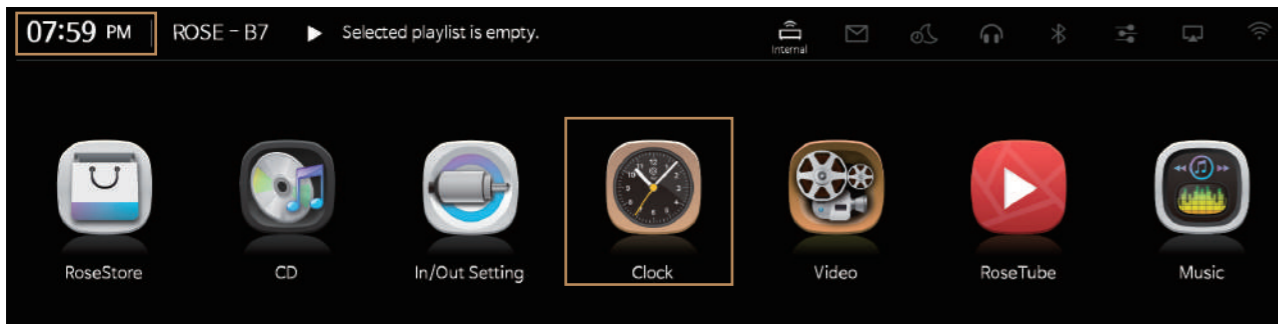
10-6. Setting

- You can delete the search history in the podcast settings, and you can set the country.
- At country setting, list of country is displayed.



11. Clock

· Click the time title at the top of the home screen or click the clock menu on the menu widget to go to the clock screen. When you touch the watch face, the watch type (Analog, Digilog, Digital, Flip) is changed.



· Analog type



· Digilog type



· Flip type



· Digital type

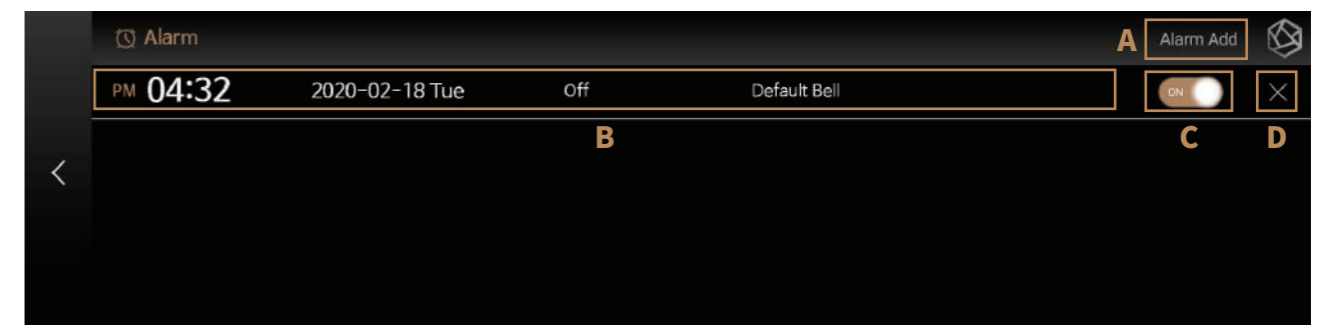


11-1. Alarm

· You can set the alarm sound as the default bell, storage media (USB, SD Card, SSD) sound source and internet radio, and make the alarm sound at the set day and time.

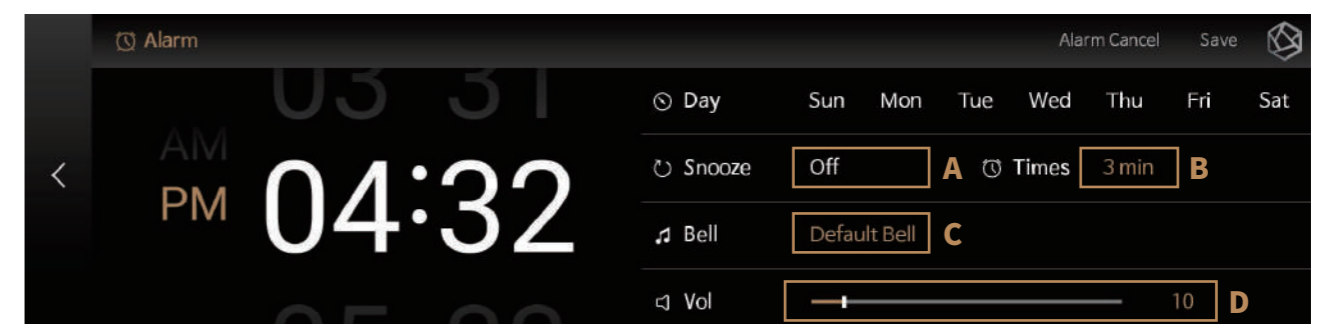
11-1-1. Alarm Setting 1

- When you click the alarm setting button on the clock screen, the screen moves to the alarm setting screen.
- Press the Add Alarm (A) button, or go to the alarm edit screen if there is no alarm set.
- When an alarm is set, an alarm is added.
- When alarm editing (B) is pressed, the screen goes to the set alarm editing screen.
- When an alarm is set, the previously set alarm is changed.
- Set the alarm ON / OFF button (C) to enable or disable the alarm.
- When you click the Delete Alarm (D) button, the set alarm is deleted.

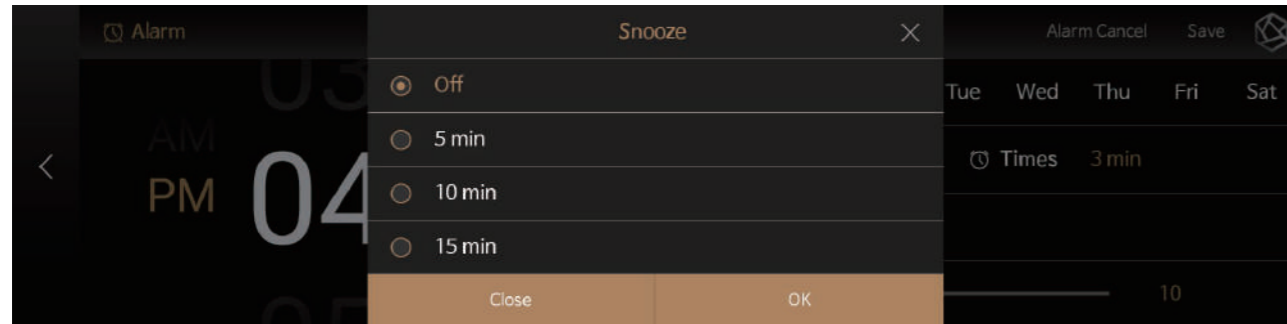


11-1-2. Alarm Setting 2

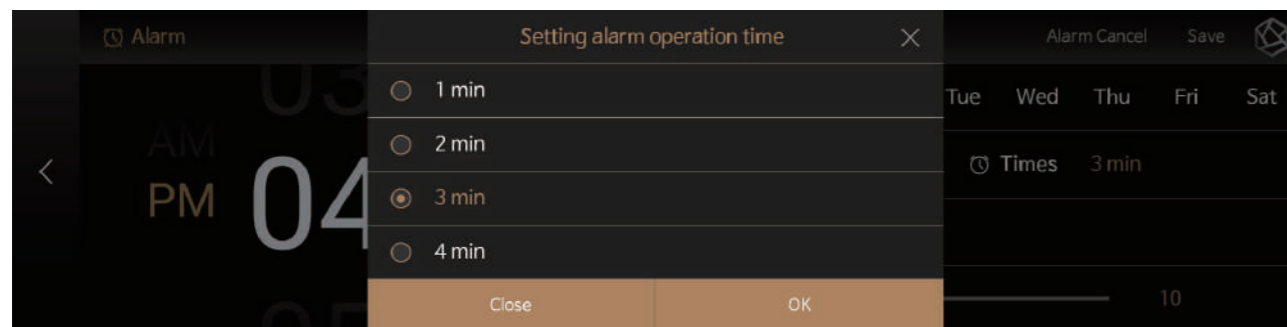
- You can set time, repeat, ring again, time, ring tone, and volume in Photo Alarm Setting.
- Volume can be set for each alarm and its size is set to the volume (D) at the alarm setting, not to the system volume.



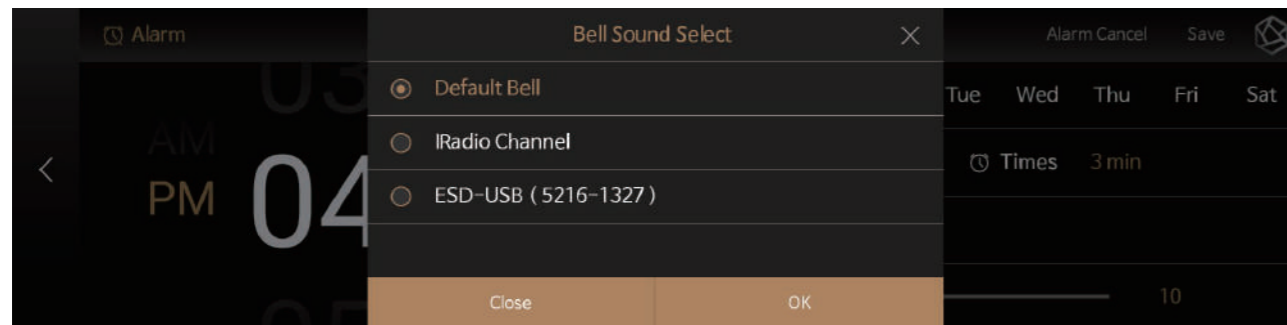
· If you click Snooze (A) on the picture, pop-up window will appear like the picture and you can set the time interval.



· When you click the time setting (B) in the picture, a pop-up window appears like the picture and you can set the alarm activation time.

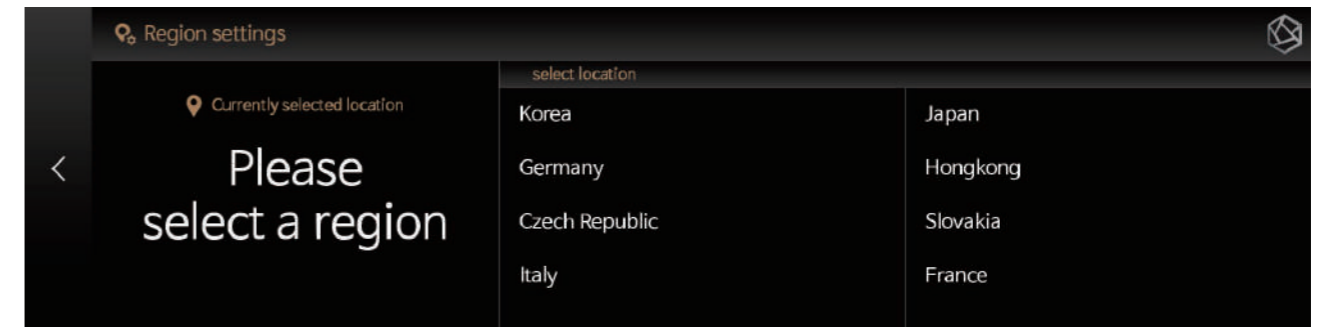


· If you click the ringtone (C) in the picture, a popup window appears like the picture, and you can set the ringtone by default bell, connected storage media (USB, Micro SD Card, SSD) and radio.



11-2. Location setting

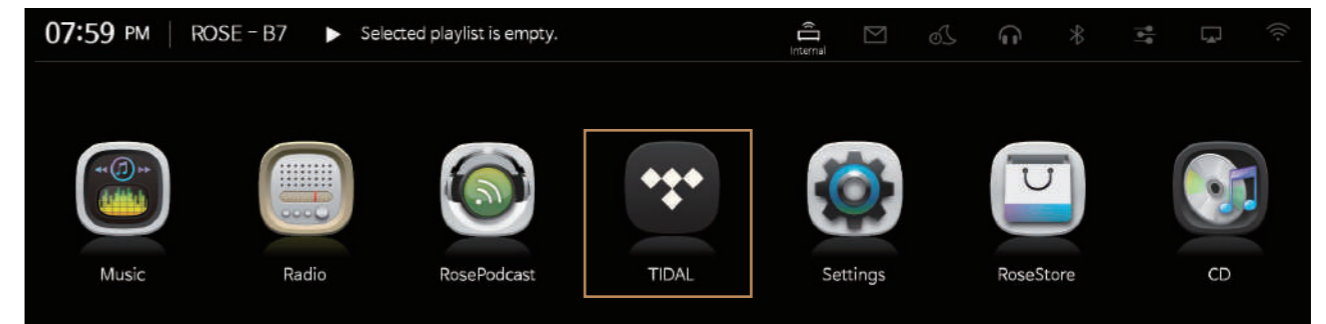
· If you do not set the region when running ROSE, the weather information is not imported. You can get weather information by setting the area by pressing the area setting button on the bottom left.



12. TIDAL

· Click on the TIDAL menu in the menu widget to go to the TIDAL menu.

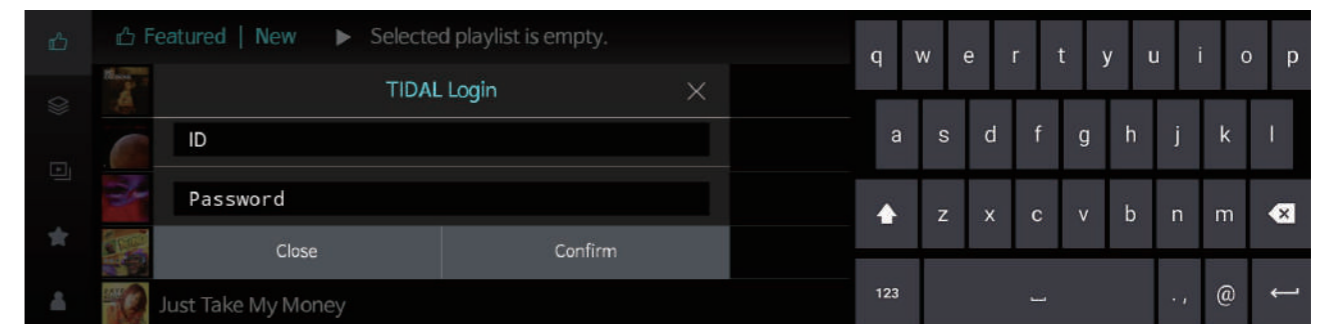
· In the TIDAL menu, the sound source list of TIDAL is sorted by various criteria such as popularity, genre, and new sound source.



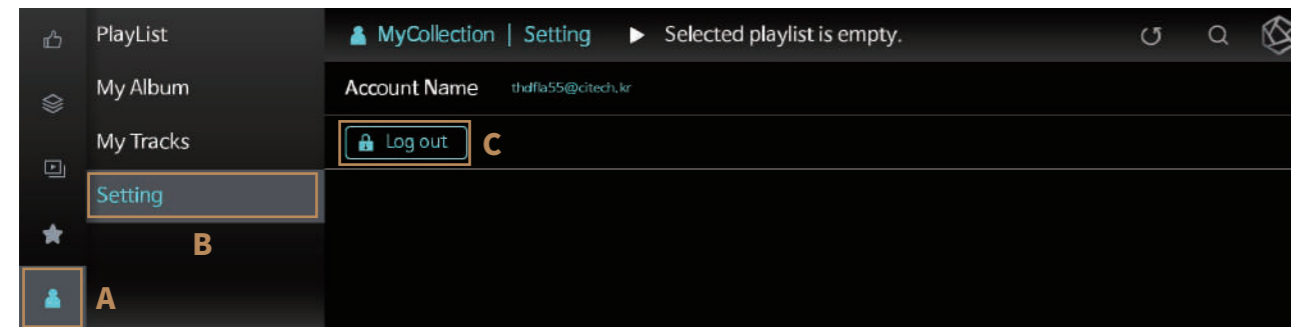
12-1. TIDAL Log in/out

· After entering the TIDAL menu for the first time, click the desired sound source, My PlayList, Album, Tracks to log in.

· If you log in, you can import and play back a list of playlists and album lists from your TIDAL user account.



- You can log out by going to My Collection (A) –Setting (B) in the bottom left corner and clicking the logout button (C).



12-2. Detailed function

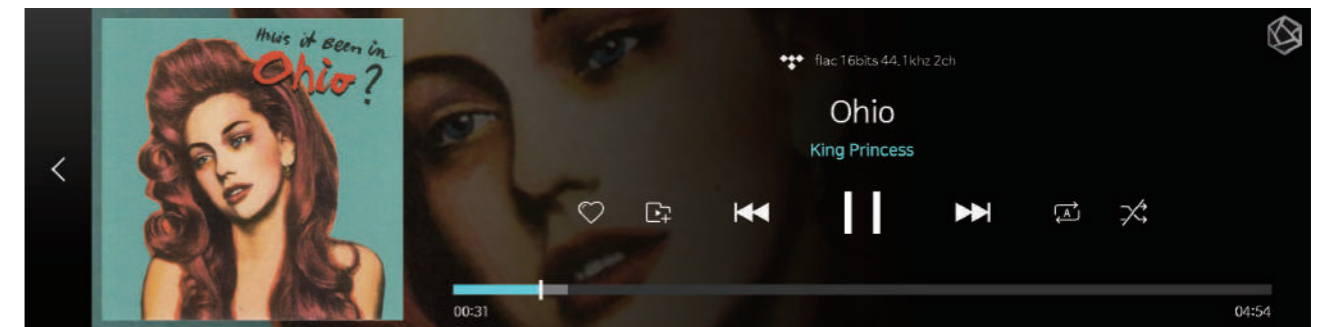
- If you log in successfully, you will be able to play the music files in the TIDAL menu.
- Select the desired TIDAL to play the selected song.
- The selected song is added to the end of the playlist. (A)
- You can set the playlist by pressing the playlist setting button for one sound source. (B)
- Click the upper area to move to the playlist screen. (C)
- The list can be updated by clicking the refresh button. (D)
- Search the desired TIDAL sound sources by pressing the search button. (E)



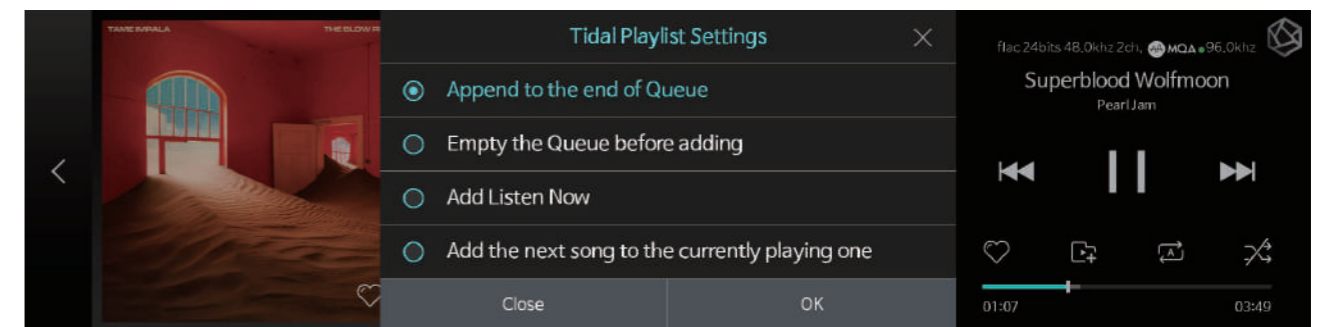
- Select the song you want to play and the selected song will be added to the end of the playlist. (A)
- You can add all songs from the album to the playlist by pressing Play All. (Existing playlists will be deleted.) (B)
- Playlists can be set for all albums and playlists. (C)
- You can set the playlist by pressing the playlist setting button for one sound source. (D)
- (E), (F), (G) buttons can be used to move to the previous, pause, and next sources in the playlist, and when you press the (H) button to add a bookmark. It can be added to the Favorite menu. If you press the (I) button, the My Playlist list of the logged in account will appear.
- Selected sound source can be added to the desired playlist.
- The (J) button is a single song, all playback setting button, and the (K) button is a shuffle setting button.



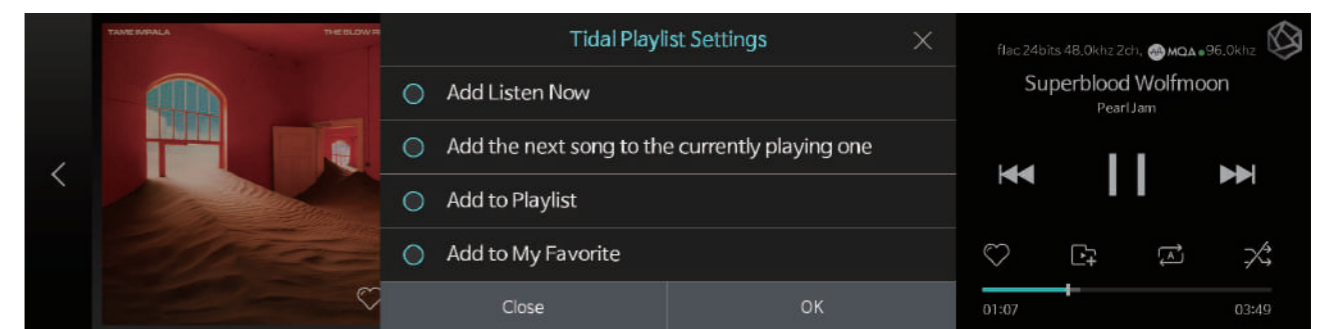
- Click on the right player area to go to the player screen.



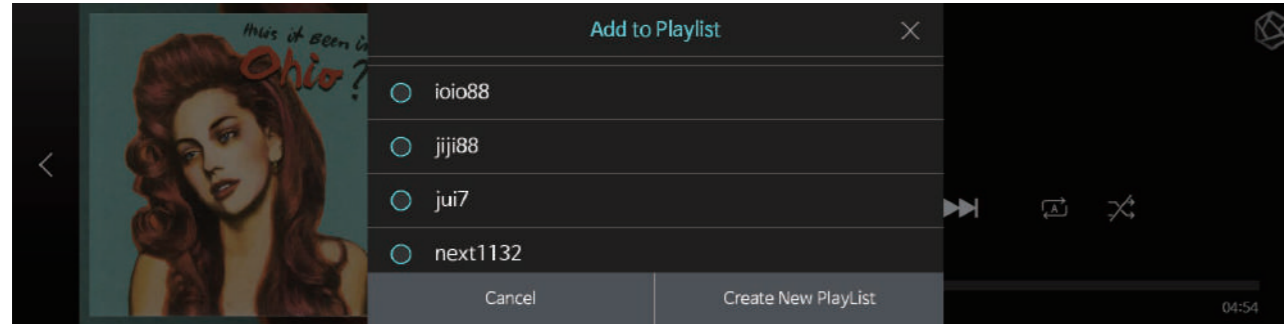
- The screen below is a pop-up that appears when the playlist setting button (⋮) is pressed.
- 'Append to the end of Queue' adds the entire album and playlist, or one song, to the end of the playlist Queue. (The existing music plays as it is and plays when it comes to its turn.)
- 'Empty the Queue before adding' empties all the songs in the current TIDAL playlist and adds the entire songs, albums, and playlists you want to add.
- 'Add Listen Now' stops playing music in the TIDAL playlist, then adds and plays the selected music, album, and playlist.
- 'Add the next song to the currently playing one' adds a list of selected songs, albums, and playlists right after the music you are currently playing. The existing songs will play as they are and will play when the next order arrives.



- When scrolling down in the Playlist Settings window, there are the Add Playlist and Add Favorite menus.

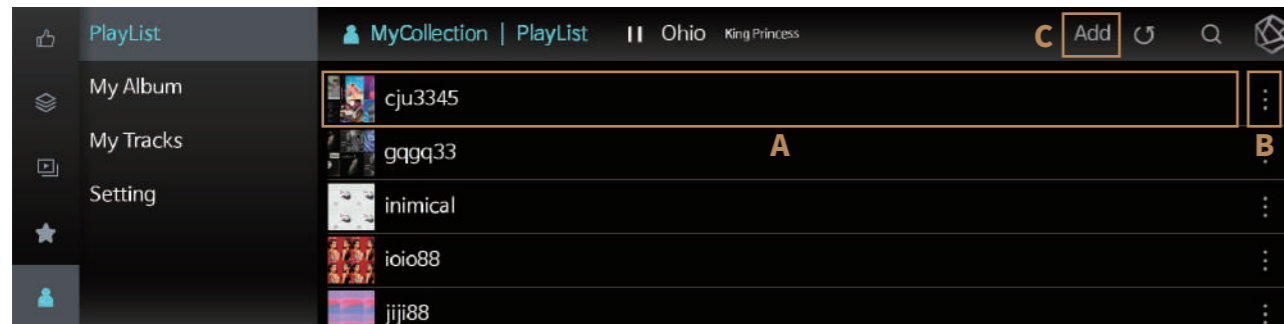


- In 'Add Playlist', the My Playlist list of the TIDAL account that is logged in is displayed as shown in the screen below, and when clicked, the list of sound sources, albums and playlists is added to the desired playlist.
- In 'Add Favorite', the selected music source and album and playlist source list will be added to the My Favorite (My Source), My Album (Album) My Playlist (playlist) menu of the logged in TIDAL account.



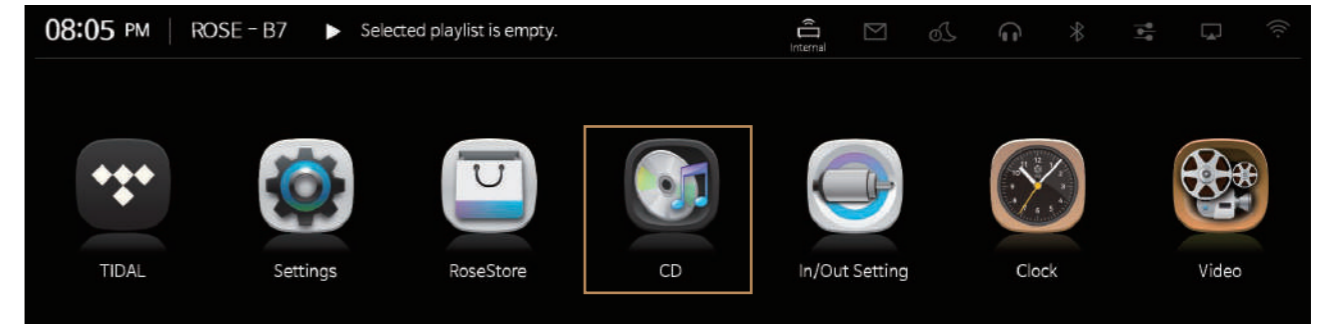
12-3. My Playlist, Album, Track

- If you click the MyCollection menu at the bottom left, you can see the PlayList, My Album, and My Track (Favorite) menu.
- In this menu, you can import My Playlist, Album, Tracks (Favorite) list added and edited on the TIDAL web page and App, and when clicking the Favorites button in RS201E TIDAL, MyTracks (sound source), My Album (album) , My Playlist is created and added.
- You can add, delete, and play sound sources.
- Click (A) area, My Album, Playlist moves to the list screen, and in the case of MyTracks (Favorite) menu, the selected sound source is added to the playlist and playlist.
- Click the (B) button to create a new playlist in MyPlaylist. The created playlist also applies to TIDAL web pages and other TIDAL apps.
- Click the (C) button to display the playlist setting window. This is a playlist setting function for the selected playlist, album, and track. It is the same as the existing playlist setting function, but deletes the selected playlist, album, track sound source when clicking the delete menu.

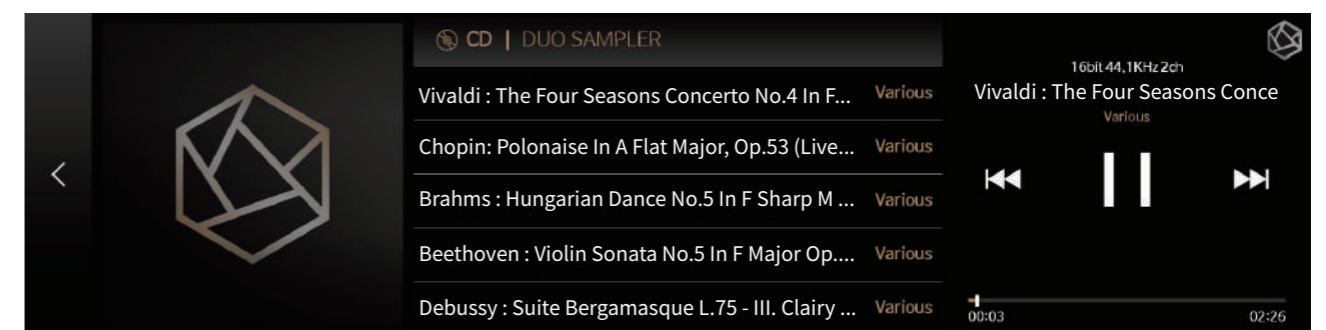
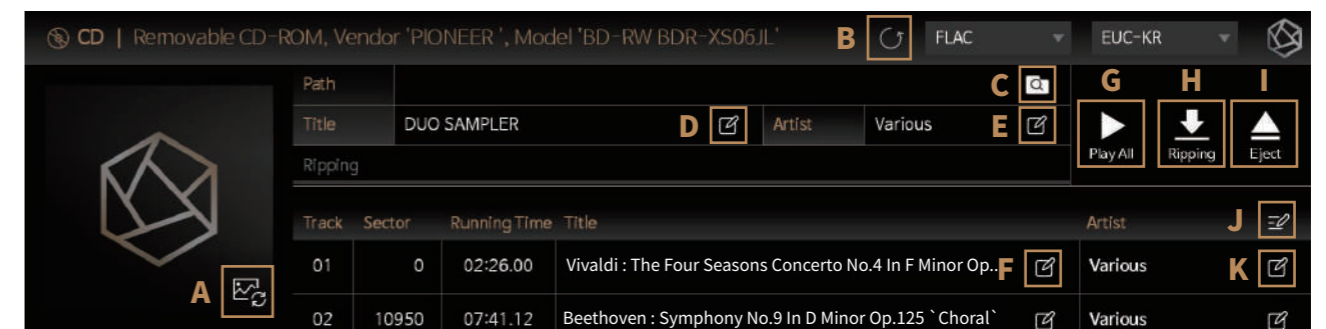


13. CD Ripping

- With the CD Rom drive and RS201E connected, click the CD icon on the main widget to go to the CD ripping screen.

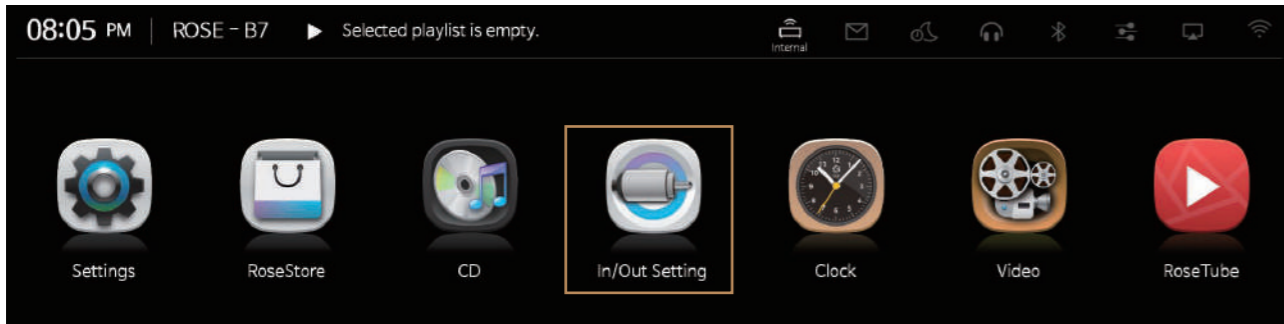


- Click the album image setting (A), search the image on the Internet and set the album image.
- Click Refresh (B) to refresh the CD if it is not loaded.
- Click Save Path (C) to select the path to save.
- You can change the title by clicking Change Title (D).
- You can change the artist name by clicking Change Artist Name (E).
- Click the track title name change (F) to change the title name of the selected track.
- Click 'Play All' (G) to play all sound sources on the CD and move to the player screen.
- Click Ripping (H) to save the sound sources in the set storage path (C).
- Click Eject (I) to eject the CD from the CD Rom drive.
- When you change the artist name by clicking Change all artist names (J), you can change the names of all artists on the track.
- Click the Artist Name Change (K) to change the artist name of a specific track.
- When you rip by clicking the extension setting (L), you can set the extension you want.
- If you click the Encoding Settings (M) and certain characters are not displayed normally, change them to euc-kr, utf-8 to see them normally.

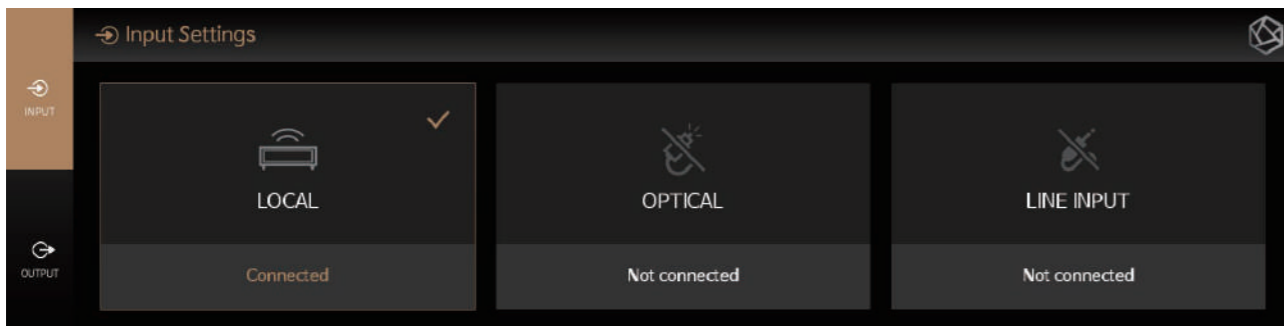


14. In/Out Settings

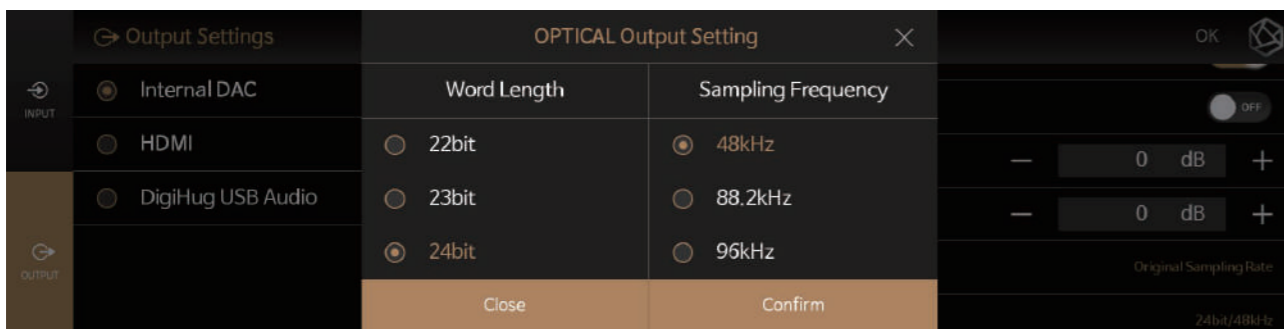
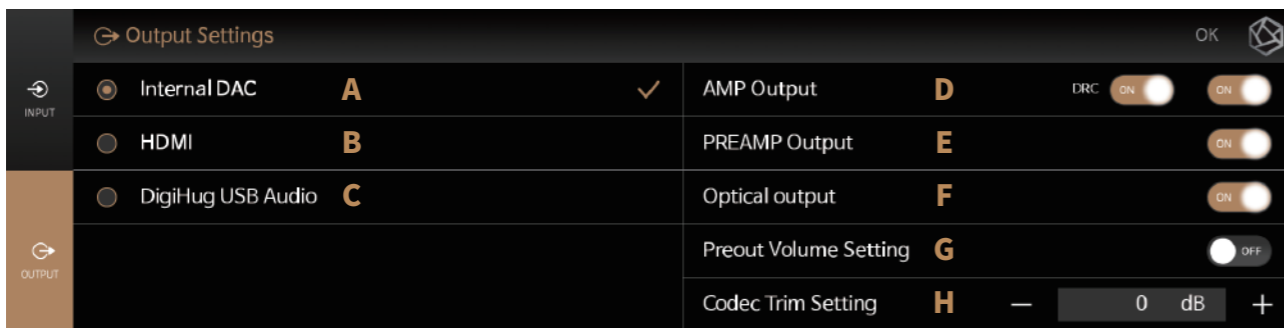
· Click the In/Out Settings icon on the main widget to go to the In/Out settings screen.



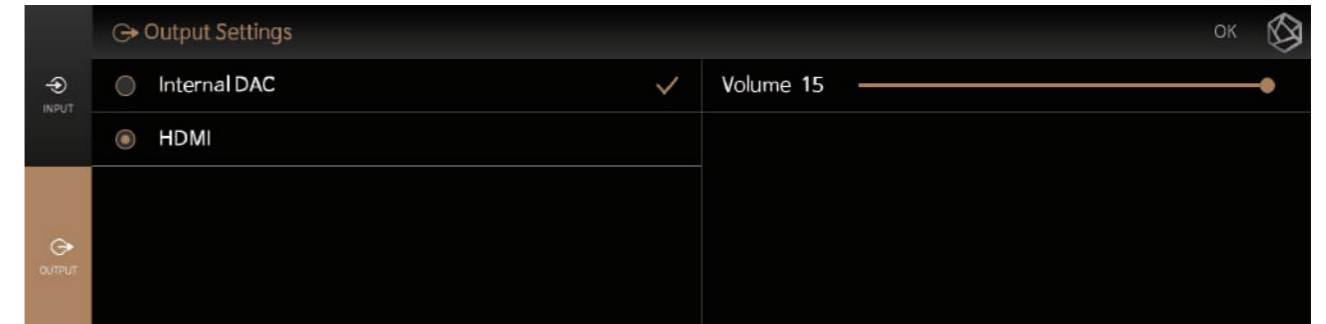
- In/Out mode can be set with each icon (LOCAL, OPTICAL, LINE INPUT).
- Press OUTPUT menu at the bottom left to go to the output setting menu.



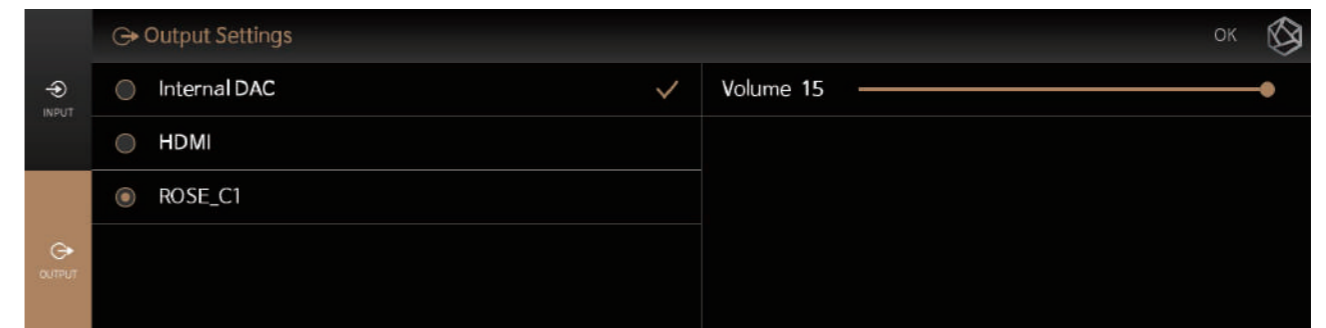
- Output setting is available in output setting menu.
- AMP output (D), PREAMP output (E), OPTICAL output (F), and preout type setting (H) can be set in the internal DAC (A) by pressing the ON / OFF button. OPTICAL output setup window appears and you can set Word Length and Sampling Frequency.



· If you click HDMI (B) on the screen, you can adjust the volume using the Seekbar on the right side after HDMI connection.



· The (C) on the screen is displayed when a USB DAC (sold separately) is connected, and when it is selected, it is output to the DAC and the volume can be adjusted in the DAC.




15. ROSE Connect App

- iOS on the App Store, Android on the Play Store or Google Play
- Search ROSE Connect () to download and install the app.
- RS201E and ROSE Connect must be connected to the same AP (wireless network) and ROSE Connect can remotely control RS201E (Music, Video, Radio, ROSE tube, ROSE podcast, TIDAL, volume/power control, etc.)

GET IT ON
Google Play

Android Download



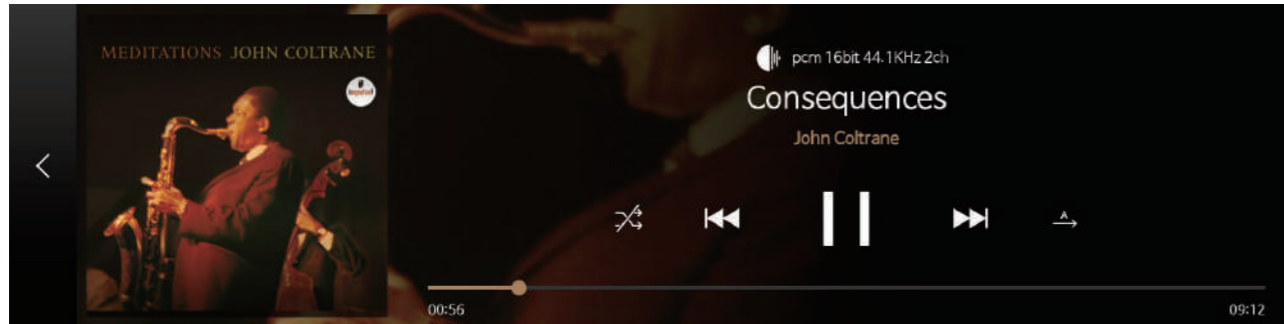
Download on the
App Store

iOS Download



16. Roon Ready

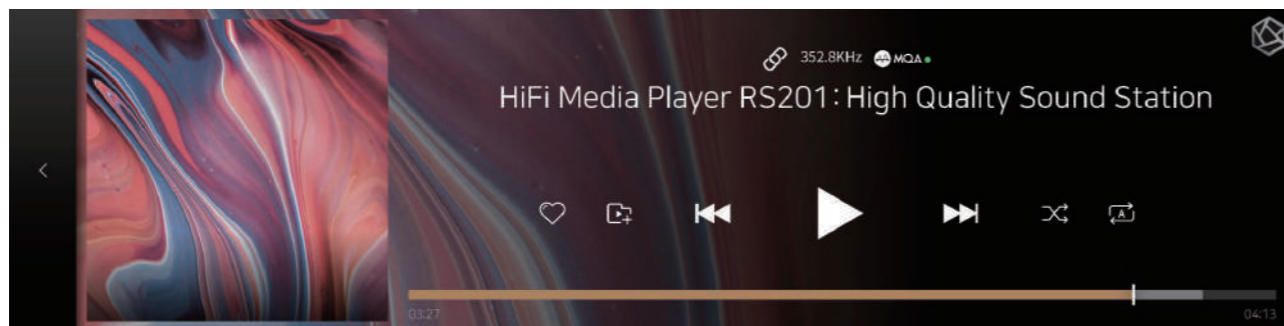
You can play sound sources in conjunction with RoonReady.



17. MQA (Master Quality Authenticated)



- MQA is an award-winning British technology that delivers the sound of the original master recording. The master MQA file is fully authenticated and is small enough to stream or download.
- RS201E includes MQA technology, which enables you to play back MQA audio files and streams, delivering the sound of the original master recording.
- The green or blue dot next to MQA logo indicates that the unit is decoding and playing an MQA stream or file, and denotes provenance to ensure that the sound is identical to that of the source material. It glows blue to indicate it is playing an MQA Studio file, which has either been approved in the studio by the artist/producer or has been verified by the copyright owner.
- Visit mqa.co.uk for more information.
- MQA and the Sound Wave Device are registered trade marks of MQA Limited. © 2016



VI - Specifications

1. Specifications

Part	Specifications	
OS	Android7.1(Nougat)	
CPU	Six-Core ARM® 64-bit processor, up to 2.0GHz	
Memory	DRAM	LPDDR3 4GB 1.8Ghz
	Flash	eMMC 8GB
Display	8.8" TFT LCD & Capacitive Touch Screen(MIPI-DSI) 1920×480px	
Audio	MQA, WAV, FLAC, WMA, MP3, APE, DFF, DSF PCM : 8KHz~384KHz(8/16/24/32bit per Sample)	
	Native DSD: DSD64(1bit 2.8MHz)/DSD128(1bit 5.6MHz)/DSD256(1bit 11.2MHz)	
Video	MMU embedded Real-time video decoder of MPEG-1, MPEG-2, MPEG-4 H.263, H.264, H.265, VC-1, VP9, VP8, MVC	
	H.264/AVC, Base/Main/High/High10 profile@level5.1; up to 4Kx2K@30fps H.265/HEVC, Main/Main10 profile@ level 5.1 High-tier; up to 4Kx2K@60fps	
WiFi	Combo Half Mini Card 802.11 b/g/n/a/ac (2.4GHz/5GHz)	
Bluetooth	V4.0 / V3.0 +HS	
I/O Port	HDMI 2.0 (1Port)	720p/1080i/1080p/2160p RGB/YUV420 format Max Output Resolution : 3840×2160
	Micro SD	SDMMC(1Port)
	Ethernet	10/100/1000 BASE-T(1Port)
	USB 2.0	Type A(1Port)
	SATA 3.0	SATA I/F CONNECTOR(1Port)
	USB 3.0	Type A(1Port)
	Pre Out	RCA L/R(1Port)
	Line In	RCA L/R(1Port)
	USB Type C	OTG(1Port)
	Digital In	Optical(1Port)
	Digital Out	Optical(1Port)
Adaptor	Speaker	L+/L-, R+/R-(MAX 100W)
	Input Voltage	AC100-240V 50/60Hz
	Out Voltage	DC 24V, 5.0A
Operating Temperature	0~40°C	
Storage Temperature	-20~70°C	
Accessory	Adapter(1ea), AC Power Code(1ea), Simple Manual(1ea), Bluetooth Remote Controller(1ea), AAA Battery(2ea), Cross Driver(1ea), SSD Fix Screw(4ea)	
Size	278×202×76mm	
Weight	2.3kg	

2. Audio Specifications

Section	Test Item	Specifications
Amp	Output Power	2ch(50W+50W), Balanced, 4 Ω
	Speaker Impedance	4Ω ~ 16Ω
	Signal to Noise Ratio	100dB, 1KHz, A-wt
	THD+N	0.006%
	Crosstalk	95dB,1KHz
	Frequency Response	16Hz ~ 80KHz/+1/-3dB
Pre-out	Output Level	Max 3Vrms , Unbalance
	Signal to Noise Ratio	108dB, 1KHz, A-wt
	Dynamic Range	102dB, 1KHz, CCIR-2k
	THD+N	0.005%
	Crosstalk	105dB, 1KHz
Ear Phone	Frequency Response	16Hz ~ 80KHz/+1/-3dB
	Output Power	500mW(1KHz, 32 Ω, 1% THD)
	Signal to Noise Ratio	98dB, 1KHz, A-wt
	THD+N	0.01%
	Frequency Response	20Hz ~ 30KHz/+1/-3dB

3. WiFi/Bluetooth RF Mode and Bandwidth

	Mode	Frequency
1	802.11b	2400~2483.5
2	802.11g	2400~2483.5
3	802.11n(2.4G)	2400~2483.5(20HT)
		2400~2483.5(40HT)
4	802.11a	5.2G(5150~5350)
		5.2G(5250~5350)
		5.5G(5470~5650)
		5.8G(5725~5825)
5	802.11n(5G) 20HT	5.2G(5150~5350)
		5.2G(5250~5350)
		5.5G(5470~5650)
		5.8G(5725~5825)
	802.11n(5G) 40HT	5.2G(5150~5350)
		5.2G(5250~5350)
		5.5G(5470~5650)
		5.8G(5725~5825)

6	802.11ac(5G) 20HT	5.2G(5150~5350)
		5.2G(5250~5350)
		5.5G(5470~5650)
		5.8G(5725~5825)
	802.11ac(5G) 40HT	5.2G(5150~5350)
		5.2G(5250~5350)
		5.5G(5470~5650)
		5.8G(5725~5825)
	802.11ac(5G) 80HT	5.2G(5150~5350)
		5.2G(5250~5350)
		5.5G(5470~5650)
		5.8G(5725~5825)
7	Bluetooth 4.0	BDR(2.4G)
		EDR(2.4G)
		LE(2.4G)
8	Output Power(WiFi)	802.11a:13dBm+/- 2dBm(54Mbos)
		802.11b:16dBm+/- 2dBm(11Mbos)
		802.11g:14dBm+/- 2dBm(54Mbos)
		802.11n@2.4GHz:13dBm+/- 2dBm(HT20MCS7)
		802.11n@2.4GHz:13dBm+/- 2dBm(HT40MCS7)
		802.11n@5GHz:12dBm+/- 2dBm(HT20MCS7)
		802.11n@5GHz:12dBm+/- 2dBm(HT40MCS7)
		802.11ac@5GHz:12dBm+/- 2dBm(HT80MCS7)
		802.11ac@5GHz:10dBm+/- 2dBm(HT80MCS9)
		Output Power(BT)
9	Receive Sensitivity(WiFi)	802.11a:less than -65dBm(54Mbos)
		802.11b:less than -76dBm(11Mbos)
		802.11g: less than -65dBm (54Mbos)
		802.11n@2.4GHz: less than -64dBm (HT20MCS7)
		802.11n@2.4GHz: less than -61dBm (HT40MCS7)
		802.11n@5GHz: less than -64dBm (HT20MCS7)
		802.11n@5GHz: less than -61dBm (HT40MCS7)
		802.11ac@5GHz: less than -61dBm (HT80MCS7)
	802.11ac@5GHz: less than -51dBm (HT80MCS9)	
Receive Sensitivity (BT)	BER<0.1%(Anritsu 8852Tx-70dBm)	

VII - etc

1. Things to check before contacting a service center

■ When the product freezes

If you are using the product and the touch is not working or the screen stops working, you will need to restart the product. Press and hold the power key for more than 5 seconds to force a reboot.

■ When the product is hot

The product requires current when using it, so if used for a long period of time, it may cause heat and heat, but it will not affect the life and performance of the product, so use it with confidence.

■ When hearing/Internet connection keeps disconnecting

At the moment of your Internet connection, try to reconnect by moving to a different location, as the sound of the audible signal may be lost when the radio is unstable or weak, or when the Internet is busy, and the wireless Internet may also be delayed or unreceived due to the nature of the wireless communication.

■ Same content but different volume sizes

Content-specific files are optimized for product characteristics, design specifications, and business needs. Therefore, even the same content may differ from the manufacturer and other models in volume and tone.

2. Warranty

Model Name	RS201E	Warranty Period	One year from the date of purchase
Manufacturer/ Manufacturer Country	CITECH CO.,LTD. / Korea	Recipients of Conformity Assessment	CITECH CO.,LTD.
Certificate Number	R-R-SYH-RS201	Identification code of authorized person	SYH

■ Product Homepage (www.hifirose.com)

You can download product manual.

New product information and upcoming events are available via newsletter.

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