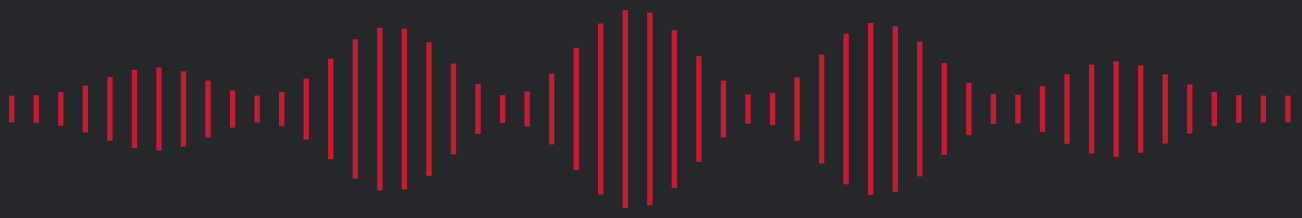
ROCKNA

Wavedream NET

User manual

Setup. Music. Storage. Support.



FIRMWARE 2.8.1

English edition | 15 October 2026

Browser interface and USB34 installation workflow

Your guide

Find the task you need. Click an entry to jump to its chapter.

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Read the backup and disk-erasure guidance before using a USB installer. Example addresses and paths must be adapted to your unit. Interface examples were captured from a running NET with firmware 2.7.8; the illustrated controls also apply to this 2.8.1 guide. Device-specific details are masked in grey. Values and layout may vary.

01 / USER GUIDE

Care, safety and service

Read this before connecting or moving the NET.

Unpack and keep the packaging

The original package includes the Wavedream NET, a power cable, an infrared remote control and user documentation. A warranty card may also be supplied. Accessories can vary by delivery; contact your dealer if an expected item is missing. Retain the packaging for safe transport.

Placement and cleaning

Use the NET indoors on a stable surface. Keep it away from excessive heat, humidity and liquids. Do not place liquid-filled objects on it. Leave ventilation unobstructed and allow space around the enclosure to dissipate heat.

Clean with a soft, dry cloth. Do not move the unit while it is operating or while a disc is playing.

Electrical safety

Connect only to a supply matching the voltage marked on the unit. Use the supplied power cable and a properly earthed outlet; do not defeat the protective earth connection.

> **Important**
> Do not open the enclosure or attempt internal repairs. Disconnect from mains before handling connections or moving the unit. Internal service must be performed by qualified personnel.

Shut the NET down normally before disconnecting power. Unplug it during a thunderstorm and when it will not be used for an extended period.

Service and warranty

Keep your purchase receipt and the warranty documentation supplied with the product. Contact your authorized dealer or Rockna for warranty eligibility and service arrangements. Back up music and application data before sending the unit for service; recovery of stored data is not a substitute for a backup.

For technical support, contact support@rockna-audio.com. For general enquiries, contact contact@rockna-audio.com. Product information is available at www.rockna-audio.com.

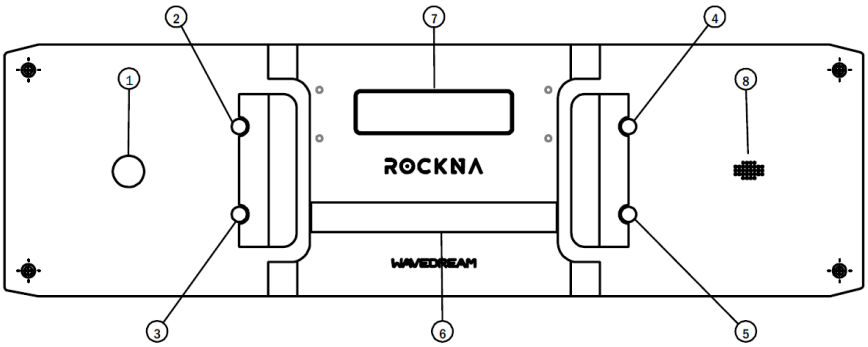
Hardware revisions

The following drawings describe the chassis and remote shown in the original NET manual. Follow the markings on your own unit if its connectors or controls differ. Disc instructions apply to units fitted with the disc transport.

02 / USER GUIDE

Front-panel controls

The physical controls remain useful alongside the browser interface.



1. Power: switches the unit on or requests shutdown.

2. Menu: opens the front-panel menu.

3. D/S: switches between Disc and Server mode.

4. Play / next: starts disc playback; during playback, advances to the next track.

5. Disc / stop: stops disc playback; when stopped, opens the tray.

6. Disc tray: accepts supported discs on transport-equipped units.

7. Display: shows the unit's front-panel status.

8. Infrared sensor: receives remote-control commands. Keep it unobstructed.

Choosing the source

Use Server mode for network and streaming playback. Use Disc mode for the built-in CD transport. The front-panel disc controls do not replace the playback controls in Roon, Qobuz or other network-player apps.

Shutting down

Press Power once and allow the NET to finish shutting down. A delay of several seconds before the display goes off is normal. Do not press Power repeatedly or disconnect mains while an installation, update or file copy is in progress.

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Rear panel and audio connections

The main digital outputs are I²S, AES/EBU, S/PDIF and BNC.



Connect the NET to your DAC

I²S / HD-Link: use a compatible I²S input on your DAC. The illustrated unit provides two HD-Link connectors. Check the DAC's compatibility and connection instructions before use.

AES/EBU: connect the digital XLR output to your DAC's AES/EBU input with a suitable digital cable.

S/PDIF: connect the RCA coaxial digital output to the DAC's corresponding input.

BNC: connect the BNC coaxial digital output to a compatible BNC digital input.

Select the matching input on the DAC. These are digital audio connections; amplification and listening-level adjustment are handled by the connected equipment.

Network, accessories and power

Connect Ethernet to your router or LAN switch for the browser interface, online services and network music. The USB ports can be used for external storage, an installation stick or an optional compatible external USB DAC.

The mains inlet is on the rear panel. Check its voltage marking before connecting power. The serial number is also marked on the unit.

Playback formats

The usable sample rate, bit depth and DSD mode depend on the selected digital connection, source and receiving DAC. A format accepted on one connection may not work on another. Start with ordinary PCM playback, then configure higher rates or DSD using the DAC's supported modes.

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Power-up and disc playback

The built-in disc transport operates separately from network playback.

Power-up and mode selection

On the hardware described in the original manual, connecting mains starts the unit in Disc mode. Select Server mode for music controlled from the network. Press D/S on the front panel, or select CD on the remote and then press L, to switch between Disc and Server mode.

The remote's CD device selection remains active until another device is selected. With mains left connected, use the power control for subsequent on/off operations and allow shutdown to finish.

Play an audio CD

1. Select Disc mode. Press Disc / stop while playback is stopped to open the tray.

2. Insert the disc, then press Disc again to close the tray.

3. Press Play / next to begin playback.

4. Press Play / next again during playback to advance to the next track.

5. Press Disc / stop once to stop. Press it again when stopped to eject the disc.

Use the remote for direct track selection, previous/next, play/pause, stop, repeat and eject.

Memory playback

The disc transport buffers audio in memory. Music can therefore continue briefly from buffered data if a disc is ejected during playback; this is part of the transport's design.

Supported media

Use standard audio CDs for normal disc playback. The original transport documentation also describes WAV files on UDF-formatted DVD media. Other file-disc formats depend on the fitted transport and its firmware; check compatibility before preparing a large disc collection.

Audio path

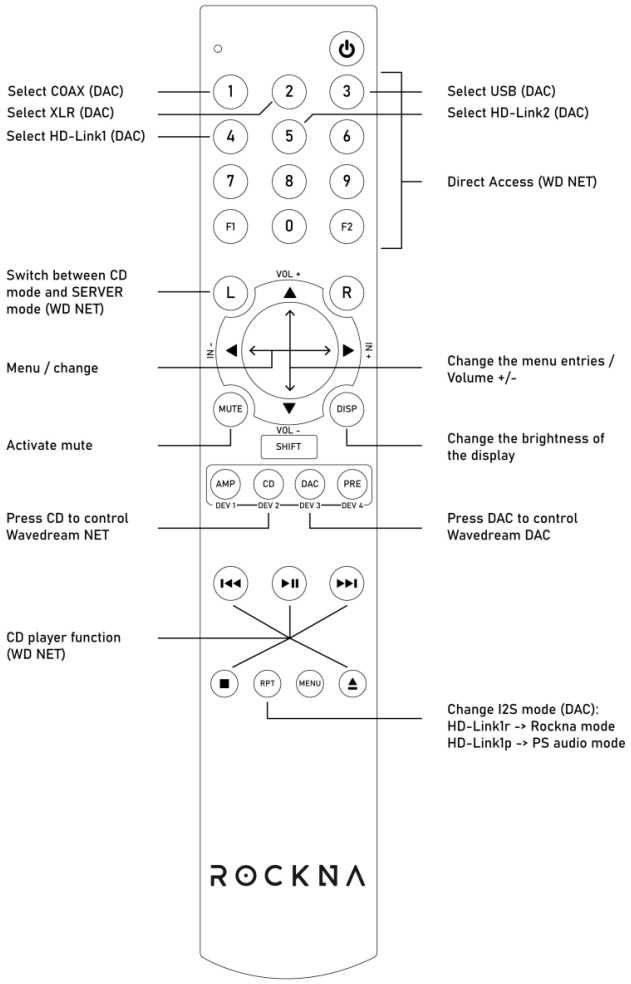
Disc playback uses the NET's main I^2S / HD-Link, AES/EBU, S/PDIF and BNC digital outputs. An external USB DAC selected for a network service is not a destination for the separate disc transport.

Important
Playing a disc does not import or rip it into the NET's music storage. The current browser interface has no CD-ripping workflow.

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Infrared remote control

Select CD on the handset to control the Wavedream NET.



Select CD, then use L to switch Disc / Server mode. Numeric and transport keys control disc playback; DISP changes display brightness. Point the handset at the front-panel IR sensor.

The diagram also shows DAC controls. Select DAC to use those functions; they do not configure the NET browser services. Control streaming playback in the appropriate player app.

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Start listening

Connect the NET, open its local interface, then choose your player.

Before you begin

You need the NET's normal power connection, Ethernet to your router or switch, a suitable audio connection and a phone, tablet or computer on the same LAN. Internet access is needed for installation authorization, online services and downloads. Streaming subscriptions are separate. Hardware connections vary by revision; follow the markings and hardware instructions supplied with your unit.

First connection

1. Connect Ethernet and your DAC using I^2S / HD-Link, AES/EBU, S/PDIF or BNC. Power on, select Server mode and set the amplifier volume low.

2. Allow the NET to boot. Open http://wdnet-SERIAL.local in your browser, replacing SERIAL with the device serial number.

3. If the name does not resolve, find the NET in your router's connected-device list and use its IP address, for example http://192.168.1.50. Your address will differ.

4. Open Device settings. Enable the required service, wait for it to start and choose an output where offered.

5. Open the corresponding player app, select this NET and start one track at a low level.

Important
The local web interface does not require a password. Use it on a trusted LAN. Do not expose it through router port forwarding.

Choose your route

For Roon, enable ROON Server and complete library and audio setup in the Roon app. For Qobuz Connect, enable the service and select the NET in Qobuz. For HIGHRESAUDIO, open Browse & play and sign in. For UPnP/OpenHome, enable the renderer and select it in a compatible controller.

If discovery fails

Check that the control device and NET can communicate on the same LAN. Guest Wi-Fi, client isolation and VPN routing can block discovery. Your phone may use Wi-Fi while the NET uses Ethernet, provided the router permits communication.

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Your control interface

Device settings, Local storage and Network storage separate the main tasks.

Device settings

The dashboard lists services and shows Running services, Audio outputs and Now playing. Use the category filters to find Servers, Renderers, Streaming or Special services. Wait for an enabling/disabling operation to finish before issuing another change.

Now playing provides HRA playback information and controls when HRA is playing. It is not a universal transport display for every external player; use Roon or Qobuz for their own playback control.

Storage sections

Local storage shows system and music drives. Network storage discovers servers, connects shared folders and manages saved connections. Selecting a folder for the NET library does not copy it or automatically configure every third-party player. Roon maintains its own watched-folder list.

Sidebar and controls

Device information includes the address, CPU model, CPU load, CPU temp and firmware version. A temperature sensor may be unavailable on some hardware. Brief CPU activity during scanning or updates is normal. Maintain the ventilation required by your passively cooled unit.

The settings/sliders icon opens a service drawer. Close returns to the dashboard. The theme button switches between light and dark appearances. Refresh reloads status. Most short notifications disappear after about six seconds; active operations or errors may remain visible until resolved.

Important
A hidden service is not necessarily a hardware fault. Some services appear only after the NET connects to Rockna and receives authorization.

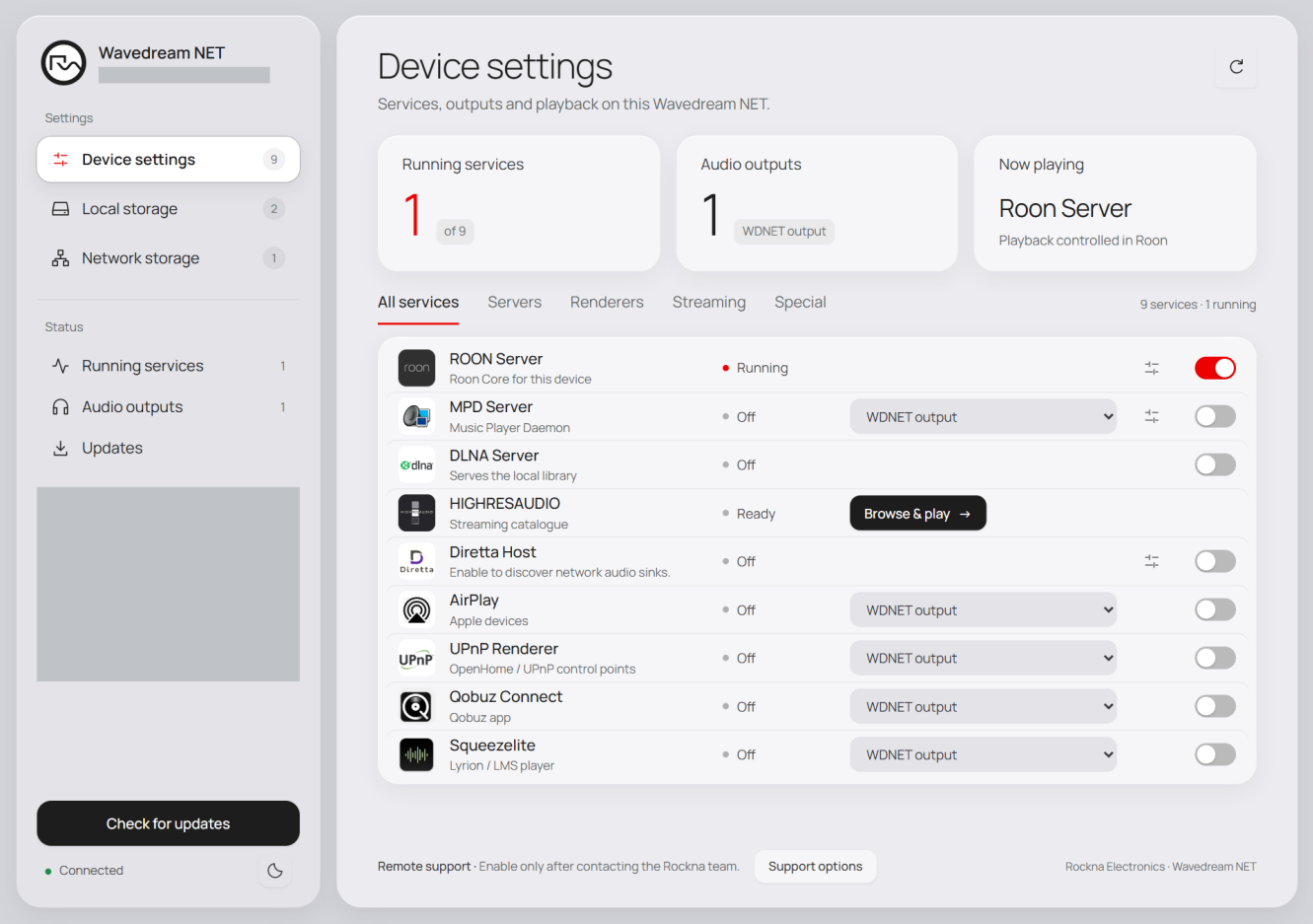
Mobile use

Use the same local interface on a phone or tablet. Layout and album columns adapt to screen width. This manual covers the browser interface, not a separate Rockna mobile application. Player-specific functions remain in your chosen player app.

INTERFACE EXAMPLE

The dashboard in light mode

Your everyday starting point.



Actual NET interface. Device-specific details masked where shown.

Service cards

Switch servers and streaming services on or off, then open their settings from the card. The card indicates the current state.

Device information

The left pane brings together the device information and update entry point. Choose an audio output for services that offer an output selector.

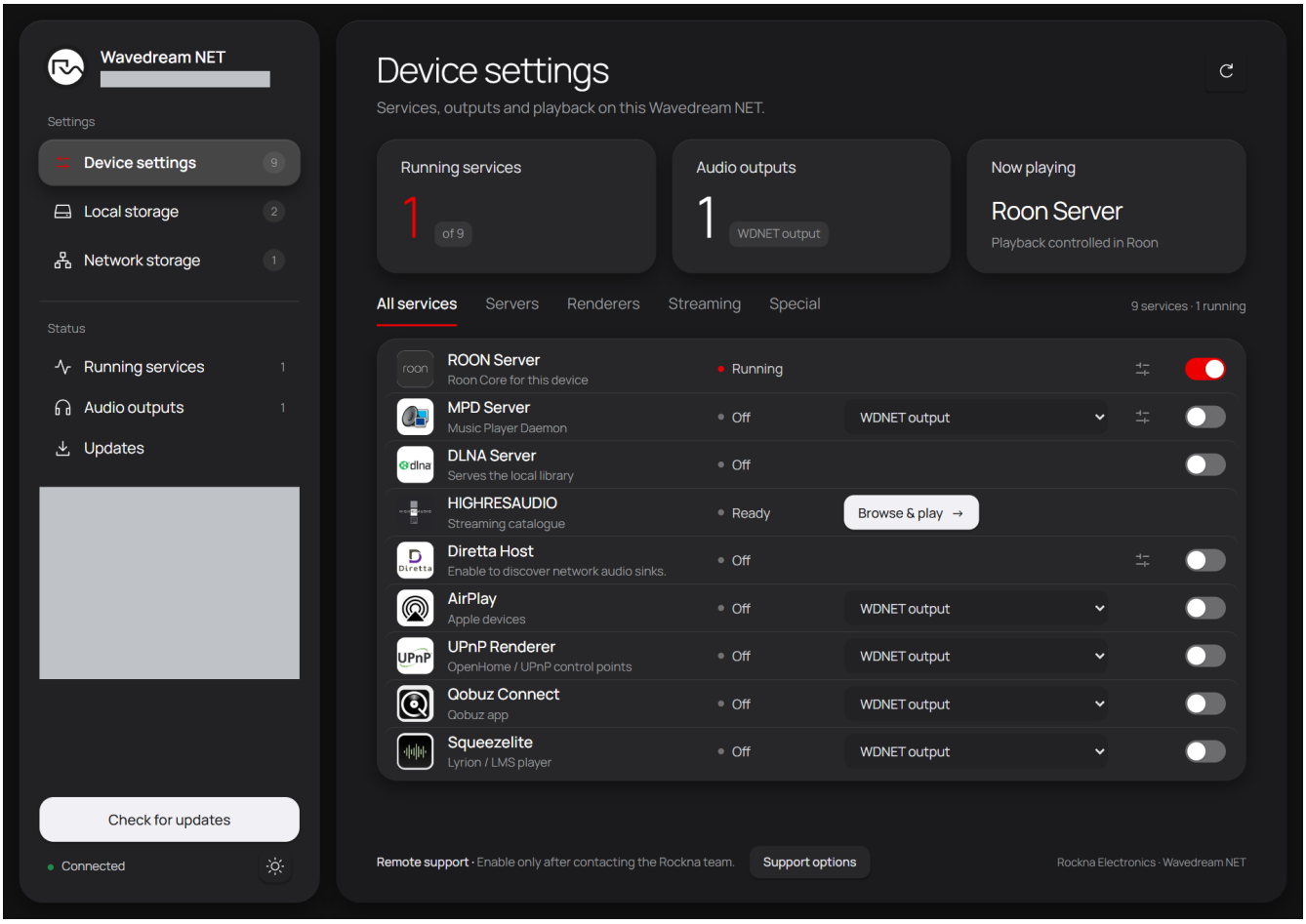
Theme

Choose light or dark to suit your room and viewing preference. The same controls are available in either theme.

INTERFACE EXAMPLE

The dashboard in dark mode

The same controls, with a darker background.



Actual NET interface. Device-specific details masked where shown.

Consistent navigation

Device settings, Local storage and Network storage remain in the left pane.

Now playing

The central area can show playback information and controls when a supported source is playing.

Remote support

Support is kept apart from everyday playback controls. Enable it only after contacting Rockna.

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Audio outputs and playback

Select both the playback service and the destination.

Default output

Choose WDNET output for the NET's main digital audio connections: I²S / HD-Link, AES/EBU, S/PDIF and BNC. Select the matching input on your DAC. The interface normally counts this as one playback destination, rather than counting each physical connector separately. An optional external DAC or a discovered network target can add another destination.

External USB DACs

Connect a compatible DAC and allow the output list to refresh. Choose it in the service's Output menu where offered. Supported rates, formats, hardware volume and DSD depend on both DAC and player. An advertised capability does not guarantee every combination.

Switching outputs

1. Stop playback in the current app.
2. Choose the destination in the service, or select the appropriate Roon audio zone.
3. Wait for any configuration change or service restart to finish.
4. Play one familiar track and check the destination and volume.

Important
With volume control disabled, audio can be at full digital level. Set the amplifier or DAC level before playback; not every renderer offers software volume.

Sharing an output

Some players need exclusive access. The NET can stop conflicting services for supported combinations, but avoid starting several players on one sink. HRA uses MPD's playback engine, so MPD changes can interrupt it. Stop other players before diagnosing an unavailable output.

Diretta destinations

Enable Diretta Host on compatible hardware and wait for targets to appear. Select the discovered target name in the service's Output menu. For Roon, use Settings > Audio and select the corresponding zone.

No sound

Check amplifier input and level, DAC connection, selected output and selected room in the player. Test an ordinary PCM track before investigating a particular DSD or high-rate format.

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Roon: setup and music folders

Roon has its own library and audio-zone settings.

Connect to the server

Enable ROON Server in Device settings. Open Roon on the same LAN and connect to the server associated with this NET. Complete Roon's account/subscription setup. In Roon's audio settings, enable and name your output, then select that zone for playback.

Add your music once

In Roon > Settings > Storage, add only the actual collections you need. Internal music normally uses /media/wdnet/drive1. A second music drive may have another number. Connected network music appears under /media/network/SHARE-NAME. Confirm the actual paths on your unit.

Important
Do not add /media as a watched folder. It can expose several paths to the same files, including compatibility mounts and network shares. Do not add both a parent folder and its subfolder.

Use one route per collection. If a NAS is mounted by the NET, do not also add the same collection through another network path. Do not watch an entire music drive and separately watch folders inside it.

Correct duplicate albums

Disable or remove the overlapping watched location in Roon, then add only the intended music paths. Removing a watched location is different from deleting music. Allow a rescan. Review library-cleanup options carefully and remove records only for storage locations you intentionally stopped watching. Distinct local and streaming editions may also appear separately.

Scanning and backups

Store music on music drives. Roon's database uses the system partition, so database growth consumes system space. Large libraries can take time to analyze, especially on older Atom hardware.

Use Roon's backup facility for its database and settings, preferably to a NAS or independent storage. Back up the music files separately; a Roon database backup is not a copy of the music collection.

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Roon: updates and maintenance

Roon updates and NET firmware updates are separate operations.

Normal Roon updates

Use the update offered in the Roon app. Keep power and internet available until it finishes. The server may restart and temporarily disappear. Firmware 2.8.1 includes the temporary-storage and archive-decompression corrections verified with the built-in Roon updater.

The update workspace now uses the system disk rather than a small fixed RAM area. Its space is shared with the operating system and Roon database, not reserved separately. Available capacity depends on your drive size and existing data.

Roon settings drawer

Open the settings icon beside ROON Server. Cache Reset, Database Reset, Reinstall and Log Download are maintenance tools, not everyday listening steps.

Reinstall

Reinstall downloads the current vendor package and replaces the application. Confirm the prompt and watch progress. Playback is interrupted during replacement. The procedure preserves the database and settings; it does not reset the database. Successful progress clears shortly afterward; failures remain visible.

Cache and database

Cache Reset makes Roon rebuild cached information and can temporarily increase activity. Use it when relevant to a diagnosed problem.

> **Important**
> Database Reset removes the working Roon library database and associated information. Back up first. Use it only when intending to rebuild or restore the library, preferably with support guidance. It is not the remedy for overlapping watched folders.

Logs and failures

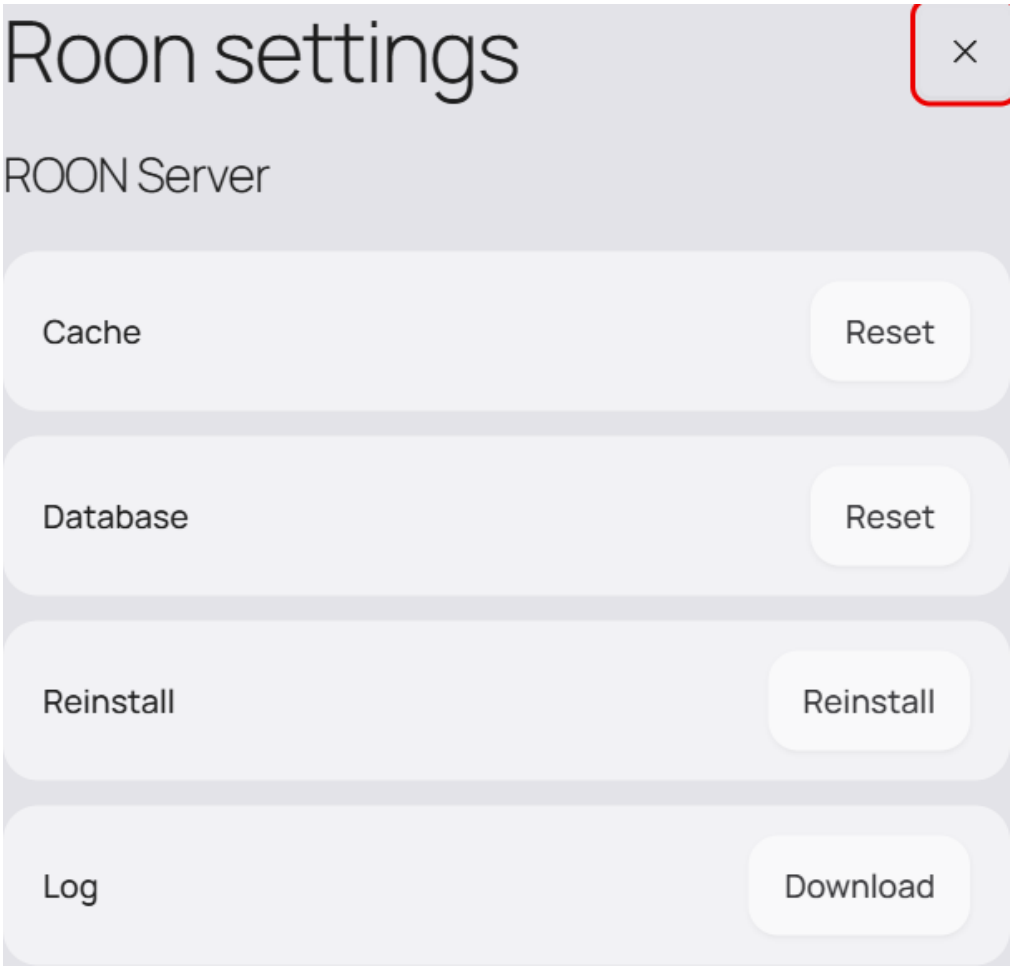
Log > Download retrieves the current log. Share it privately with the technician: it can contain file paths and account-related diagnostics.

If an update fails, record its exact message, time and whether it came from Roon or NET Updates. Check system space and connectivity. Avoid repeated resets; contact Rockna before destructive maintenance.

INTERFACE EXAMPLE

Roon maintenance controls

Open the settings icon on the Roon card.



Actual NET interface. Device-specific details masked where shown.

Choose the right action

A cache reset, a database reset and a reinstall are different operations. Read the confirmation before proceeding.

Preserve your library

Back up the Roon database before a database reset. Reinstall is intended to replace the application; it is not a music-library cleanup tool.

Wait for completion

Keep the settings drawer open to follow reinstall progress. Do not turn the NET off during installation.

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Local storage

System drive belongs to the appliance; music drives hold your collection.

Drive cards

Open Local storage to see mounted drives and their states. Cards show used, free and total space with GB labels. Filesystem reservations and capacity conventions can cause differences from a manufacturer's capacity figure. Boot and operating-system partitions are grouped as System drive.

The system partition also holds Roon data and temporary updates. Keep free space available. Space on another physical music disk does not solve low system space.

Select music

Use entire drive adds an available music drive to the NET's library selection. Browse files & folders opens its contents; navigate to a collection and use Use this folder. Neither action copies or erases files. These selections do not automatically configure Roon's watched folders.

Removing a library selection does not delete the underlying files. Choose the permanent delete control only when actual deletion is intended.

External USB storage

Connect a drive and allow recognition to finish. Refresh if necessary, use Mount if offered and browse the desired folders. Recognition depends on filesystem compatibility, power and disk health. Do not format an unreadable drive as a first troubleshooting step if its contents matter.

Disconnecting

Stop playback from the drive and finish any copy operation. Use Eject where available before unplugging. The NET detects physical disconnection and removes stale mount state, but this does not make disconnecting during a write safe.

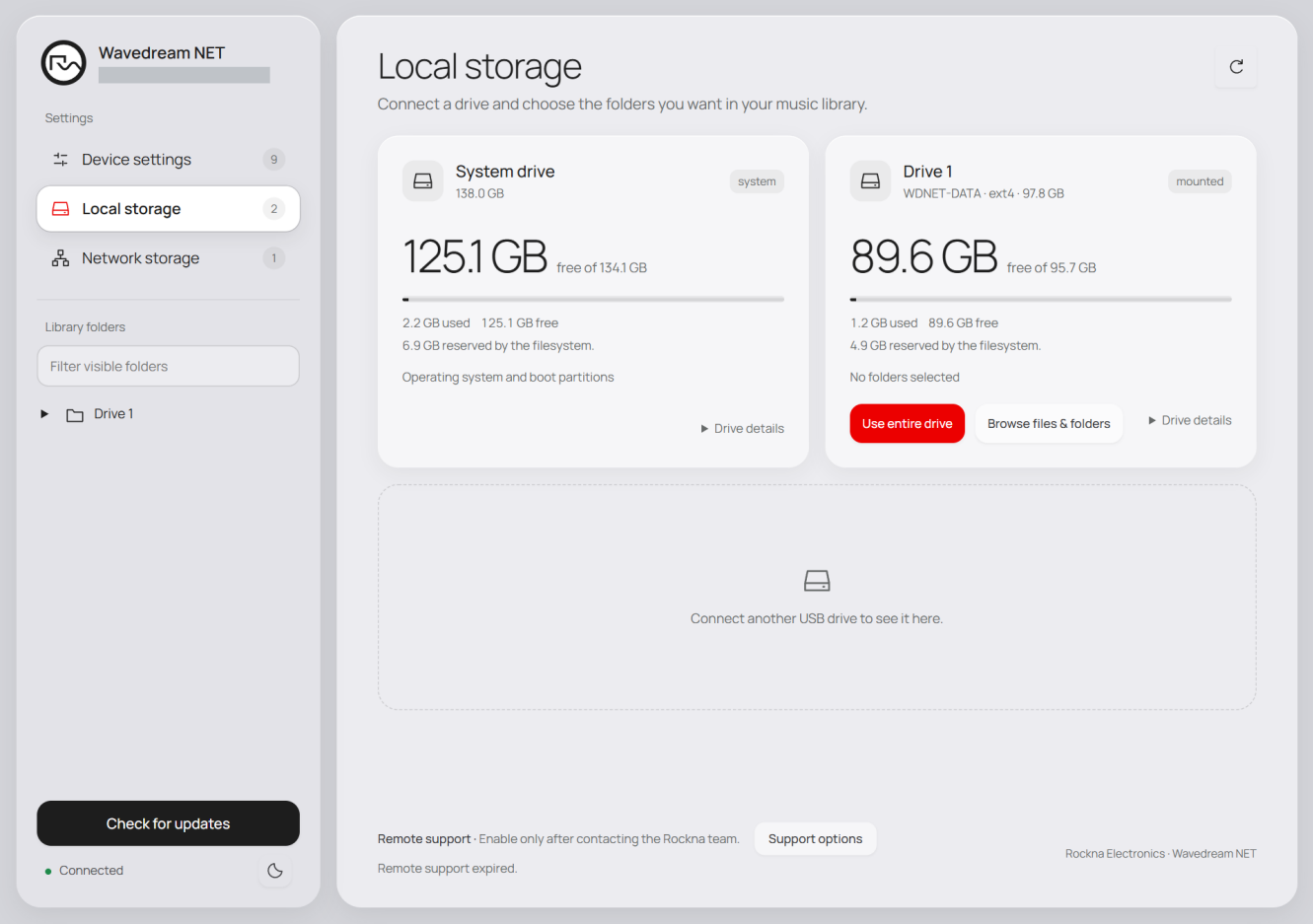
Important
If a disk disappears during copying, inspect any partial destination files before retrying. Maintain an independent backup of irreplaceable music.

Drive labels such as Drive 1 and Drive 2 identify user-facing music locations. Check the capacity and mounted location rather than assuming a number always means the same physical disk after hardware changes.

INTERFACE EXAMPLE

Understanding Local storage

A drive overview, followed by the music locations you select.



Actual NET interface. Device-specific details masked where shown.

System drive

This holds the NET software and application data. Use the music drive for your collection.

Choose your music

Use an entire drive, or browse files and folders to select specific locations. Capacity, used space and free space help you plan copies.

Manage files carefully

The file browser also provides copy and delete actions where supported. Deleting music is permanent; keep a separate backup.

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Copying and deleting music

Copy preserves the source. Delete permanently removes local files.

Copy to local storage

1. Connect and mount the source. Browse its folders in Network storage, or use Browse files & folders for an external USB drive.

2. Navigate to the folder to copy and choose Copy to local storage.

3. Choose a destination music drive and select Calculate size.

4. Read This will use ... and the available-space information. Confirm the source and destination, then choose Confirm copy or Abort.

5. Wait for completion. The dialog closes after success; View copy returns to an operation still in progress.

The NET copies into a new folder and retains the source and existing files. Capacity is checked with a safety reserve. Insufficient space causes the operation to be declined. Scanning a large folder can take time before a total appears.

Interrupted copies

After failure or cancellation, partial destination files may remain; they are not removed automatically. Inspect the named destination folder before repeating the copy. Keep the source connected until completion.

Delete a file or folder

Open Local storage > Browse files & folders. Locate an eligible item and use its trash/delete icon. Review the full path and confirm. Deleting a folder removes all files and subfolders inside it.

> **Important**
> There is no recycle bin or undo for this deletion. Back up first. Do not delete a folder merely to remove it from a library selection.

Different meanings

Use this folder changes library selection. Remove network connection keeps remote files. Copy creates another copy. Delete removes real local files. A player may update its library after the next scan.

The deletion feature applies to eligible local music storage. To manage files on a NAS, use the NAS's own file-management tools.

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Network storage

Discover a NAS or computer, then connect to its shared music folder.

Browse and connect

1. Open Network storage and choose Browse network or Scan network.

2. Select a discovered server to see shared folders.

3. If requested, enter that server's username and password.

4. Connect the share, browse its folders and select the music location to use.

Mounted connections appear first in Connected drives. Discovery alone does not mount a share. NAS credentials are separate from the rockna account used for the NET's own music shares.

Server not discovered

Discovery depends on server advertisements and LAN configuration. A mapped Windows drive letter does not advertise a share to the NET. Find the underlying server/share path and use Advanced connection. Sleeping computers, guest isolation, VLAN separation or firewall rules can prevent discovery.

Advanced connection

Enter a short Name, choose SMB or NFS, then specify Server and Share / export path. Use the actual shared path, not a Windows drive letter such as Z:. Enter SMB credentials when needed. NFS access depends on the server's export permissions; an SMB password is not a substitute. Select Read only if required, then Save.

Use a stable NAS name or reserved IP where practical. If access is denied, check both credentials and permissions on the server. A saved connection can exist even when mounting failed.

Saved connections

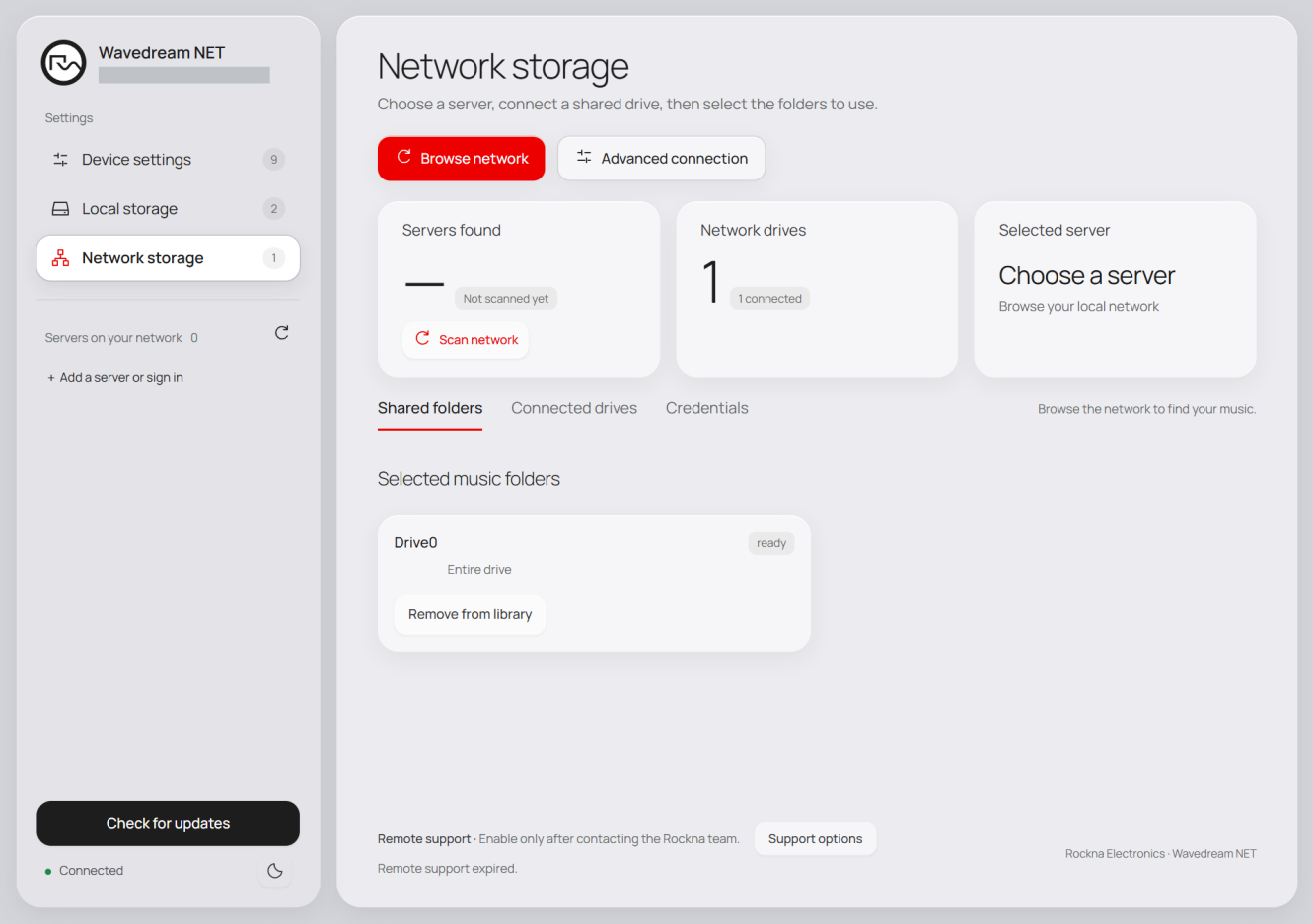
Mount reconnects a share. Sign in or edit credentials when authentication is required. Unmount disconnects temporarily. Remove forgets the saved connection but keeps its files on the remote server.

Important
Enter passwords only into the relevant interface, not support messages. Update the NET's saved credentials if the NAS account password changes.

INTERFACE EXAMPLE

Finding network music

Start with Browse network or Scan network.



Actual NET interface. Device-specific details masked where shown.

Discover a server

Select a discovered server and share, then choose the music folder. A password-protected share requires its own credentials.

Connect directly

Use Advanced connection if discovery does not find the server. Enter the server and share details supplied by its owner.

Check the connection

A saved share must also be mounted before its contents can be used. Keep the server or NAS powered on while playing its files.

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Copy music from a computer

Eligible internal music drives are available as authenticated network shares.

Windows

1. Put the PC and NET on the same trusted LAN.

2. In File Explorer's address bar, enter \\wdnet-SERIAL.local, substituting the actual serial, or use the IP, for example \\192.168.1.50.

3. When prompted, enter username rockna and password rockna.

4. Open the required share, normally Drive1 or Drive2, and copy music into it. Wait for copying to finish before disconnecting.

> **Important**
> These credentials are for the NET's music shares, not the browser, Roon, HRA or a NAS. Anyone on the LAN who knows them may access the shares. Keep the appliance on a trusted network.

macOS

In Finder, choose Go > Connect to Server. Enter smb://wdnet-SERIAL.local or smb:// followed by the NET IP. Connect as a registered user with the same credentials and choose the music share. Dialog wording varies by macOS version.

Connection problems

Use authenticated SMB access. Do not enable obsolete SMB1 or insecure guest access as a workaround. Disconnect stale saved connections if the computer keeps using an old login. On managed PCs, ask the administrator to check network policy.

If writing is denied, confirm that the destination is a music share, the disk is mounted and writable, and sufficient space remains. The system disk is not a music share. A NAS mounted by the NET has separate permissions.

After copying

Let the player scan. Roon scans only its watched locations; it does not discover files outside them just because they are on the NET. MPD behavior depends on its library settings. Avoid copying the same collection into multiple watched locations unless separate copies are intentional.

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MPD settings

MPD provides local playback and the engine used by some NET features.

Start and configure

Enable MPD Server for a compatible MPD client. Open its settings icon to choose Audio output and playback options. Browse and control music through the client. Saving changes while MPD runs restarts playback; stop the track first if interruption matters.

Volume control

Disabled leaves volume adjustment to your amplifier or DAC. Software volume adjusts the digital signal in MPD. DAC hardware volume works only if the selected device exposes a compatible mixer. Verify listening level before normal use.

ReplayGain

Off disables ReplayGain adjustment. Match track loudness applies track-based adjustment. Preserve album loudness keeps the intended relationship between album tracks. Automatic follows shuffle behavior. It depends on usable information in the files, not just enabling the setting.

DSD over PCM

DoP wraps DSD in PCM frames for compatible DACs. Disabled uses native DSD where supported. The DAC and output path must support the choice. If DSD fails, confirm ordinary PCM playback and check the DAC's capabilities before changing unrelated settings.

Library monitoring

Automatically update music library controls MPD's automatic file monitoring. If disabled, a client may need to request a database refresh after files change. Large initial scans can temporarily raise CPU activity.

Important
HRA and the UPnP renderer can use MPD as part of their playback path. Restarting MPD or changing its output can interrupt them. Avoid simultaneous commands from several apps.

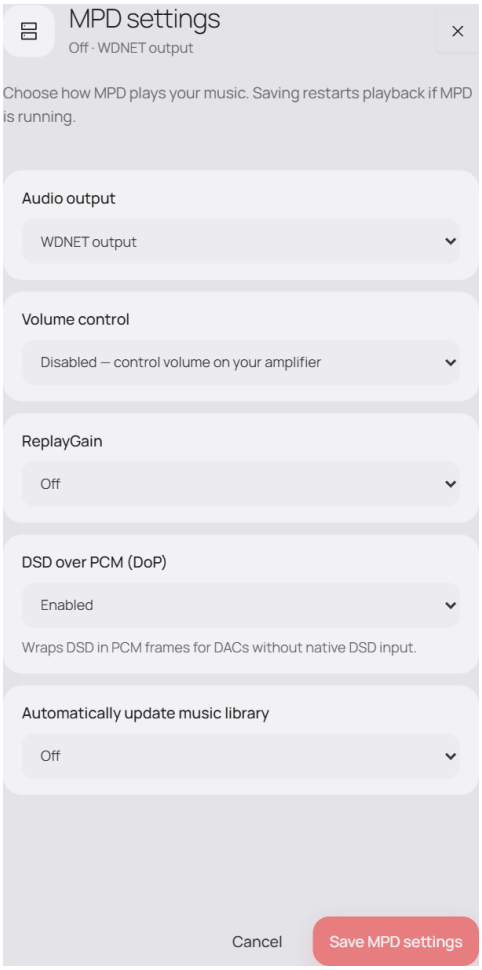
Starting point

Use WDNET output, ReplayGain Off and the volume mode suitable for your amplifier. Leave advanced choices unchanged until normal PCM playback works. Change one setting at a time and test the same track so its effect is clear.

INTERFACE EXAMPLE

MPD configuration

Open the settings icon on the MPD card.



Actual NET interface. Device-specific details masked where shown.

Audio configuration

Review the output and playback settings before saving changes. Keep defaults unless you need a particular behavior.

Library maintenance

Refresh the music database after changing the available music locations. The settings drawer groups playback and library actions together.

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UPnP, DLNA, AirPlay and Squeezelite

Servers supply music; renderers and endpoints play music selected by another app.

UPnP / OpenHome

Enable UPnP Renderer and select the NET in a compatible controller on the same LAN. The implementation supports OpenHome controllers, including Lumin. If an unexpected player name appears, verify it is the NET rather than another room before starting playback.

Use the controller for browsing and playback. Closing the NET browser does not necessarily stop an independently controlled session. Stop playback in the controller before changing services. If discovery fails, check the service state and LAN isolation.

DLNA Server

Enable DLNA Server to make the NET's selected music available to compatible network players. It is a music source, not the audio output. A player or renderer must select and play that music. Allow indexing time after adding or changing files.

AirPlay

Enable AirPlay and choose the NET as the destination from a compatible sending device or application. Format and volume behavior depend on the sender and service. Guest isolation can prevent discovery even when both devices have internet access.

Squeezelite

Enable Squeezelite to use the NET with Lyrion Music Server or a compatible server. The Lyrion logo represents this endpoint. Select it as a player in that ecosystem. Squeezelite is not itself the Lyrion server; a server must already be available elsewhere unless separately configured.

Keep roles clear

A DLNA server can be visible without the NET playing audio. A renderer can run without a local library being indexed. Begin with one playback route when diagnosing a problem.

This firmware does not imply that Spotify Connect, Tune Server, MinimServer or a full Lyrion server are installed merely because those products can exist elsewhere on your network.

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Qobuz Connect

Browse in the Qobuz app and send playback to the NET.

Start playback

1. Connect the NET to the internet and allow services to become available after boot.

2. Enable Qobuz Connect in Device settings.

3. Choose WDNET output or another available sink in its Output menu.

4. In the Qobuz app, sign in with the required streaming access and select the NET from the Connect/output list.

5. Start a track and verify that the intended audio destination receives it.

Control from Qobuz

Use Qobuz for catalogue browsing, search, queue, playback and account settings. The NET enables the service and selects its destination; it does not replace the Qobuz catalogue interface. Availability and catalogue rights depend on your account and service region.

Use a Diretta target

Enable Diretta Host first and wait for discovery. Stop playback, choose the discovered target in Qobuz Connect's output selector, and wait for the change to finish. Select the NET again in Qobuz if needed, then test one track.

Service missing

Allow time for online authorization after startup. Check internet connectivity and refresh. If HRA and Diretta are absent too, see Online and offline availability before changing credentials or reinstalling software.

Playback error

Check the chosen destination and stop other players using the same sink. Try an ordinary PCM track. A target that is powered off or still starting cannot receive audio. Record the exact app error if it repeats.

Important
Wait for a service/output operation to complete before sending another command. An enabled service does not by itself prove that the selected output is reachable.

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HIGHRESAUDIO: browse and play

The browser controls playback; the NET retrieves and plays the audio.

Sign in

Open Browse & play beside HIGHRESAUDIO. Under HRA account, enter your email and password and select Sign in. Use an active streaming subscription; album purchases alone do not establish streaming entitlement. The password is not saved. Signing in on another HRA player may end this session.

Browse albums

Use New releases, Genres, My albums and Editorial playlists on the catalogue page. Select a cover to open its album page. Home returns to the catalogue and Back returns to the previous view. Wait for Loading to finish instead of clicking repeatedly.

Album columns adapt to screen width. A partly filled last row reflects available results, not necessarily an error. Use the page controls where offered.

Search

Select the search icon next to the introduction to reveal the field. Enter at least three characters for an album, artist or composer and search. Close it with the close control. The album's track filter narrows the visible list without changing the album itself.

Play and queue

Play album starts an album. The play icon beside a track starts from that track; normal album playback continues with subsequent tracks. Add-to-queue appends a choice. Inspect Queue to see what will follow. Add to My albums saves a favourite in your HRA collection; it does not download it to local storage.

Playback display

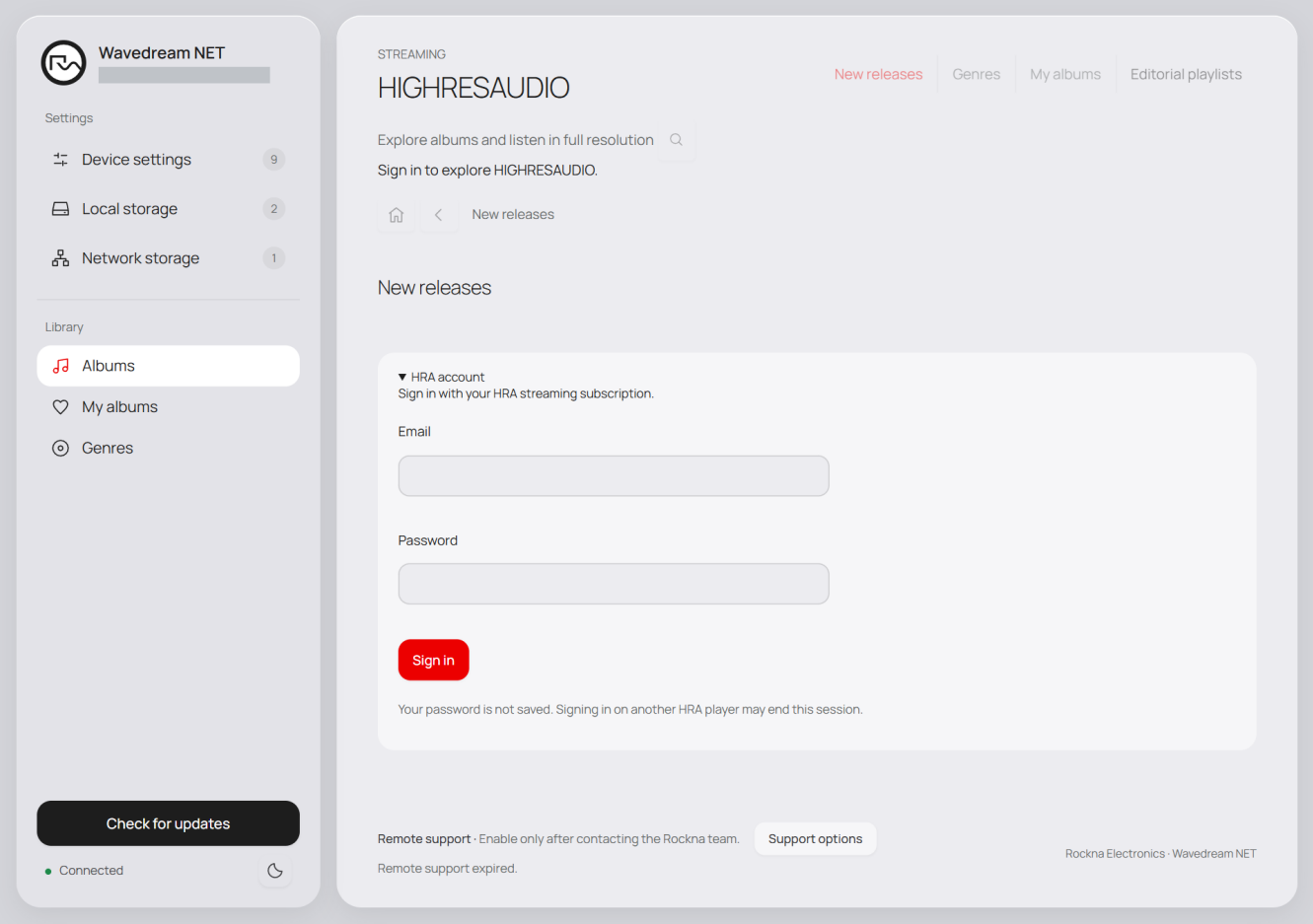
Elapsed and remaining time appear when duration information is available. Duration unavailable alone does not mean playback failed. Use previous, pause/resume, next and stop. Device settings retains HRA controls and elapsed time in Now playing; its music icon returns to HRA.

For unavailable-for-streaming errors, check subscription status and try another album before contacting support. Rights can vary by release. Use Sign out of HRA when changing accounts or handing the unit to someone else.

INTERFACE EXAMPLE

Signing in to HIGHRESAUDIO

Use Browse & play to open the music interface.



Actual NET interface. Device-specific details masked where shown.

Your streaming account

Enter the email and password for an eligible HIGHRESAUDIO streaming subscription. A download-store account alone may not provide streaming access.

After sign-in

Browse albums and categories, open an album to see its tracks, then play or add music to the queue. The NET performs playback; the browser is your controller.

Account privacy

This example shows the signed-out screen. No customer account or listening history is shown.

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Diretta Host

A compatible network target can become the NET's audio destination.

Requirements

The NET and target must communicate on the network. Diretta Host requires a supported CPU and online authorization. Some older Atom units lack required instructions; the NET reports CPU incompatibility and does not start the host. Reinstalling cannot add CPU instructions.

Discover and select

Enable Diretta Host in the Special area and allow discovery to finish. Targets appear by their own names and increase the audio-output count. Select a target in the relevant service's Output menu. In Roon, enable and select it under Settings > Audio.

Discovery and selection are different. If audio still comes from the normal output, stop playback and check the actual service or Roon zone. With Qobuz Connect, wait for the output change to finish before restarting a track.

Settings

Open the Diretta settings icon. Available options depend on the installed host version; advanced controls may also be offered. Keep defaults unless you have a specific requirement or Rockna guidance. Record previous values, change one item and verify playback before further changes.

DDS is not DSD

DDS is a Diretta direct-stream mode requiring compatible support at both host and target. DSD is an audio format. Playing PCM or DSD does not prove DDS is active. Target capability and firmware affect negotiation; check its own mode indication.

Troubleshooting

For missing targets, check target power, Ethernet and LAN isolation. For silence from a discovered target, check routing and competing sessions. Try ordinary PCM before high-rate or DSD material. Include target model and firmware in a support report, especially after replacing a target.

> **Important**
> Avoid random latency/buffer changes to solve an authorization or discovery problem. These are different stages of operation.

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Keeping the NET updated

One Update now action applies the compatible sequence offered to your unit.

Check and install

1. Open Updates in the sidebar or Check for updates below device information.

2. Select Check for updates and wait for the result.

3. Read the offered version and notes. The interface distinguishes regular and OS updates when relevant.

4. Stop playback, finish file copies and select Update now.

5. Keep power and network available. Follow any Restart to finish prompt, reopen the interface and check the version.

Multiple intermediate releases

An older unit may need several compatible releases to reach the current version. The update flow handles the offered sequence instead of making you select each intermediate release. An OS step may require a restart and subsequent verification. Follow status messages throughout.

Update types

Regular updates change application functionality and may update integrated services. OS updates change underlying system components and can require a reboot. Both appear under Updates. Updates on an installed unit do not use the USB manual installation-approval flow.

Stable and test

Normal units receive stable releases. Rockna can enroll selected serials for testing, so two units can legitimately see different offers. No update available is not automatically an error. Do not use another serial to bypass eligibility.

Failure

Record the error, version and stage. Refresh to retrieve current status before starting another action. Do not cut power while installation is active. If the failure repeats, contact support. NET firmware updates are separate from the Roon app's own updates.

> **Important**
> The USB installer is not the routine update method. Its current workflow is a fresh installation and can erase the selected disk. Use the installed NET's Updates page for normal updates.

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Online and offline availability

Local functions remain usable when online services cannot be authorized.

Base functions

Base services include Roon Server, MPD, DLNA, AirPlay, UPnP/OpenHome and Squeezelite. Their own source, account or server requirements still apply: a cloud source cannot stream without internet, and Roon has its own account requirements. A NET service being available does not remove those conditions.

HRA, Qobuz Connect and Diretta

These services need Rockna authorization. They may appear shortly after base services during boot as online authorization completes. If it cannot be obtained, they are not shown as available. This does not call for a database reset or fresh installation.

Outage after authorization

The current default policy checks about every three hours, with a maximum validity window of 48 hours from authorization. Already-running eligible services may continue within the remaining window during a temporary server outage. Starting a service requires authorization and may fail while the server is unreachable. Streaming still needs its own internet path.

Rockna can manage the policy. Do not interpret it as a guaranteed 48 hours after any outage. Explicit refusal differs from temporary unreachability and can stop access sooner.

Reboot while offline

After a reboot, HRA, Qobuz Connect and Diretta need fresh online authorization. If Rockna is unreachable, they remain unavailable even if authorized before shutdown. Base functions remain available subject to their own requirements.

What to do

Check internet connectivity and network filtering, allow time after startup and refresh. Contact Rockna with the serial and message if refusal or absence persists. Hardware replacement may need a registration update.

Important
Moving or cloning the system disk to another machine is not a recovery method. Installation authorization is associated with the registered unit and its hardware.

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USB installation: preparation

Use USB for a new system or an approved fresh reinstall.

Create the USB

Obtain the correct production image from Rockna or your dealer. Use a USB stick whose contents may be erased and a suitable image-writing tool. Verify any supplied checksum first. Write the ISO as a bootable image; copying the ISO file onto the stick is insufficient. If prompted about partition modes, follow the image-specific instructions for your unit.

Windows may not show a normal writable volume after flashing. Do not accept a Windows format prompt for the newly written installer.

Back up first

Back up music, Roon's database and needed configuration. Fresh installation erases the selected physical disk, including music in another partition on that disk. Rockna approval does not preserve data or replace a backup.

Disconnect unrelated external drives where practical. If there is a second internal music disk, identify it by model, serial and capacity. Do not rely only on disk order.

Boot and connect

Insert the USB and boot the NET from it. The image has an automatic boot timeout for headless use. If the unit's firmware does not select USB automatically, obtain the model-specific boot procedure from Rockna; a browser cannot alter boot order before the installer starts.

Open http://wdnet-install.local from the same LAN. If it does not resolve, use the installer IP in your router's device list. Prefer one active installer on the LAN to avoid confusing identical discovery names.

> **Important**
> Have the correct serial ready. Never substitute another unit's serial. Production installation requires internet access to Rockna.

Expect a fresh installation

The current installer offers Request fresh install. For a routine upgrade of a working unit, use its Updates page instead. Review any erasure warning before submitting or confirming a plan.

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USB installation: approval and install

Server approval and your final disk-erasure confirmation are separate steps.

Request

1. Enter Device serial number; the disk section opens as you type.

2. Choose the Fresh installation disk using model, serial and capacity.

3. Choose Request fresh install and review the plan.

4. Follow the approval status. Avoid duplicate requests while one is pending.

Approval results

A registered serial eligible for automatic first installation can be approved automatically when policy checks pass. A previously installed serial normally requires staff approval for reinstall. An unknown serial can be rejected: use Correct serial number if mistyped, or contact Rockna if correct.

When manual approval is requested, enter your email in the field offered. The interface indicates it can take up to 24 hours. An open page updates when a decision arrives. If you shut down while waiting, boot from USB and enter the same serial to continue; the current plan and authorization still require validation.

Confirm writing

Approval alone does not write the disk. At Ready to install, review all drive and data-change details, tick I confirm installation, then start. Change a wrong plan before confirming. System allocation depends on disk size; older small drives do not have a 128 GB system partition.

> **Important**
> Fresh installation can erase music on the selected disk. Other drives are preserved only as described by the plan. Stop if the plan is not what you intend.

Finish

Watch the progress stages and keep power connected. Do not unplug the USB or disks during writing. On completion, follow the instruction to remove USB and reboot. Use the installed-device address displayed, normally based on its serial, or find the new IP in your router.

Check firmware, music drives, outputs and playback after reboot. Online services may appear after authorization. Retain backups until the new installation has been checked.

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Remote support

Enable access only after speaking with the Rockna team.

Prepare your report

Provide the serial, firmware version, exact error and approximate time. For audio, include the player and selected DAC or Diretta target. For storage, identify the drive/share. Explain recent changes and whether the fault repeats.

Enable a session

1. Go to the separated Remote support footer in the NET interface.

2. Select Support options and choose 30 minutes, 1 hour or 2 hours.

3. Read and tick the consent that you contacted Rockna and permit access and repair.

4. Select Enable remote support and tell the technician it is enabled.

What it permits

A technician can inspect logs, access files and make repairs during the authorized session. This is more than screen sharing. Discuss operations that could affect your library with the technician. The owner does not need SSH keys or access to the staff console; those are technician-side tasks.

End access

Use End support whenever desired. The session also ends at its time limit or after a NET restart. Closing your browser alone does not end it. A replacement session has new connection details, so tell the technician if you restarted or enabled another session.

Connection problems

An enabled session does not itself prove the technician's tunnel is connected. Report exact authorization, relay or certificate errors. Requests rejected before creation may not appear in the staff session list.

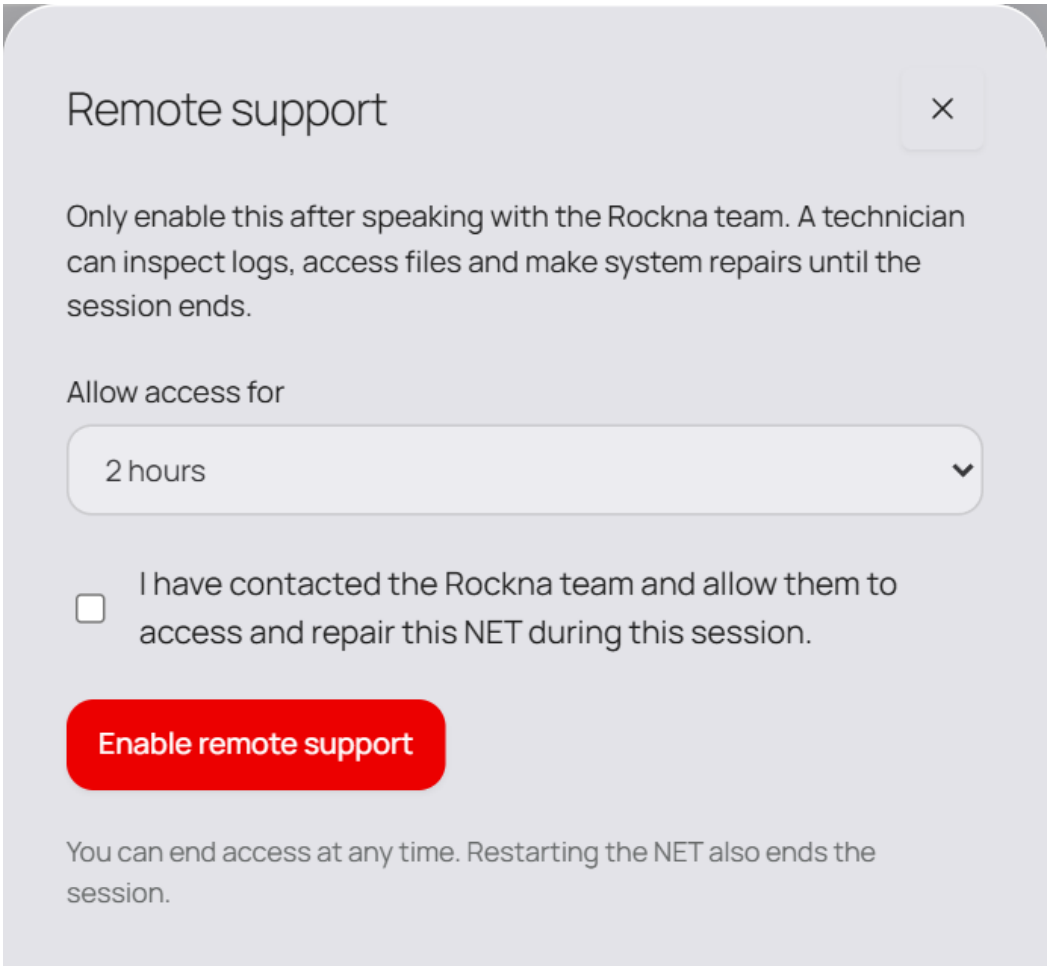
No incoming router forwarding is normally needed at your premises. The NET creates an outgoing connection. On restricted networks, ask the administrator about outgoing HTTPS and the configured support relay, normally TCP 2223 to Rockna's support host.

> **Important**
> Do not expose the NET's own SSH service to the internet, and do not send account passwords or private keys in a support message.

INTERFACE EXAMPLE

Starting a support session

Open Support options only after speaking to Rockna.



Actual NET interface. Device-specific details masked where shown.

Choose a time limit

Select a session duration and acknowledge the support notice before enabling access.

Keep the unit connected

Leave the NET powered on and online while the engineer works. The engineer uses the Rockna support console to prepare the connection.

End the session

Stop support when the work is complete, or allow the selected session time to expire.

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Troubleshooting and reference

Preserve your data and change one thing at a time.

Interface unavailable

Try the current IP instead of the .local name. Confirm both devices can communicate on the LAN. Allow time after a reboot or update, and check whether the router assigned a different IP.

Duplicate albums

Check Roon's watched folders for /media, overlapping parents/subfolders or two paths to the same NAS. Local and streaming editions can also appear separately. Do not reset the database or delete music until the type of duplication is clear.

Drive or share missing

Check local drive power, connection and recognition; refresh Local storage. For NAS access, try Advanced connection with the real server/share path and valid credentials. Windows drive letters are not network addresses. Investigate recognition changes before formatting.

Copy or update failure

Check space on the actual destination. After a copy failure, inspect partial files. After an update error, record its stage and text and contact support before repeating destructive maintenance. Do not interrupt active installation.

No sound or wrong room

Check service state, output selection, player zone and amplifier input. Stop competing players and test known PCM. For Diretta, verify both discovery and selection. For streaming, check subscription entitlement as well as service availability.

Useful distinctions

Firmware version is NET software, not the Roon build. A server supplies music; a renderer plays it. Library selection does not copy files. Unmount and Remove connection do not erase remote files. Delete permanently removes local files. Fresh install can erase a disk.

Edition and support

This manual describes firmware 2.8.1 and the USB34 production workflow. Hardware, subscriptions and later firmware can change available options. Consult the hardware instructions for physical connectors, power handling and ventilation.

Keep your serial, firmware version, error text, reproduction steps and recent changes ready for support. Share logs privately. Product information: https://www.rockna-audio.com