

MELCO

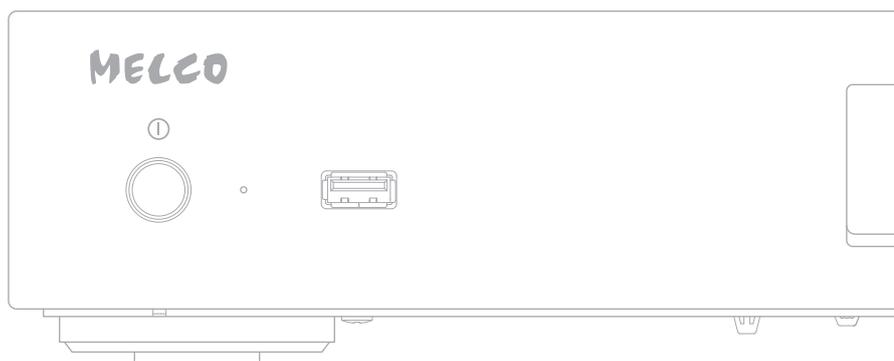
High-Res Digital Music Library

N1 Series

Software Manual

This manual uses sample screenshots captured on firmware version 3.80. Depending on the firmware version that is installed on your N1, functions described and screenshots contained in the manual may appear differently, so functions on your product may not work as described the manual. Always update the firmware to the latest version. The firmware version installed will show up during startup, or you can check it by opening the main menu and scrolling to option 5, "System Update".

For the procedure of updating the firmware to the latest version, refer to the "Updating the Firmware" section in chapter 3.



Please make sure to read this manual before using and follow the procedures. If you have any inquiries about the product, contact the number on the warranty statement or the packing box. Do not discard the warranty statement or the packing box.

35021285-05
May, 2018

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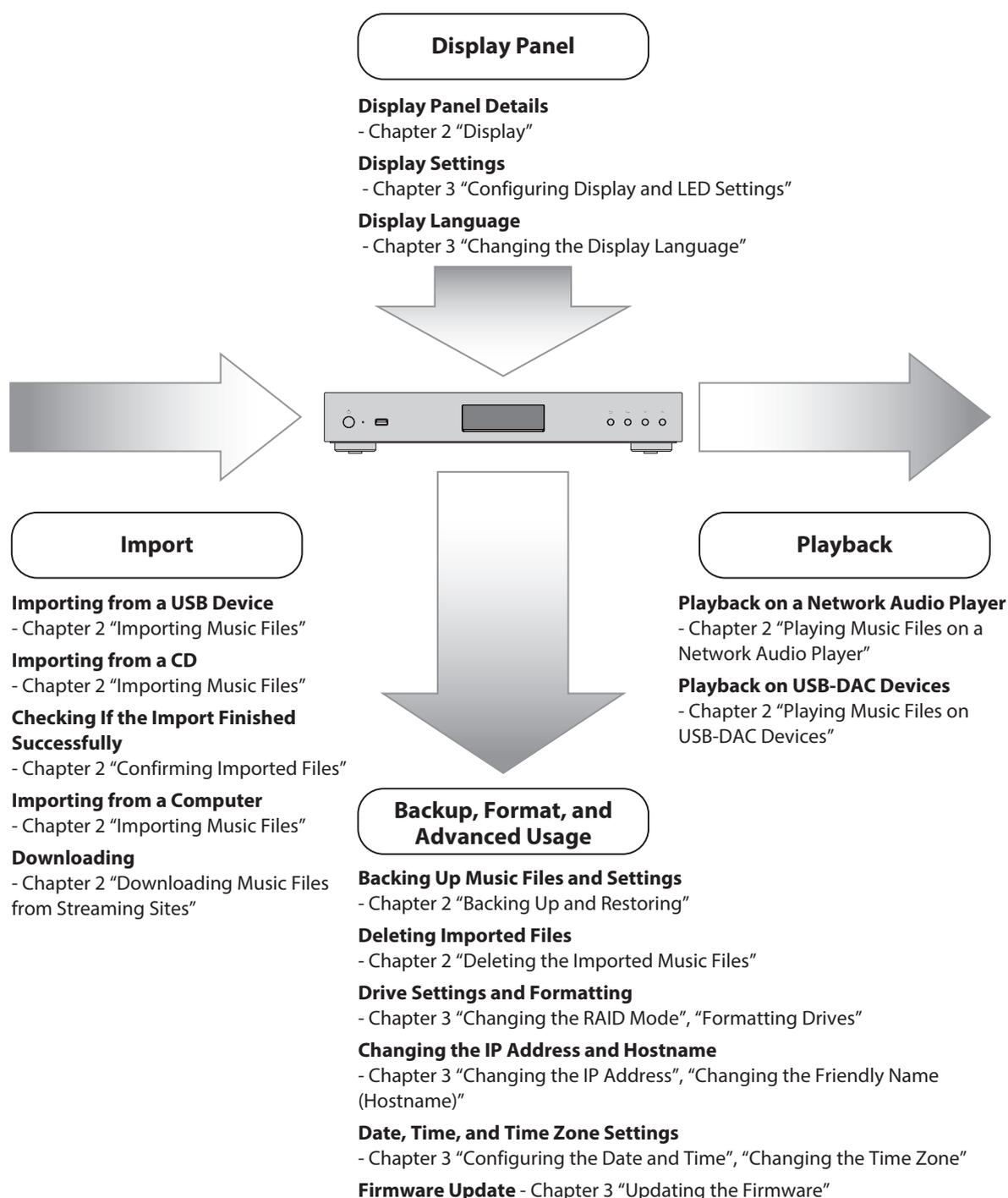
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Chapter 1 Getting Started

This manual is intended to be used with firmware version 3.80. Functions described and sample screenshots used by the manual may appear differently from the product if it is using an older version firmware. Always using the latest firmware is recommended.

Summary of Manual

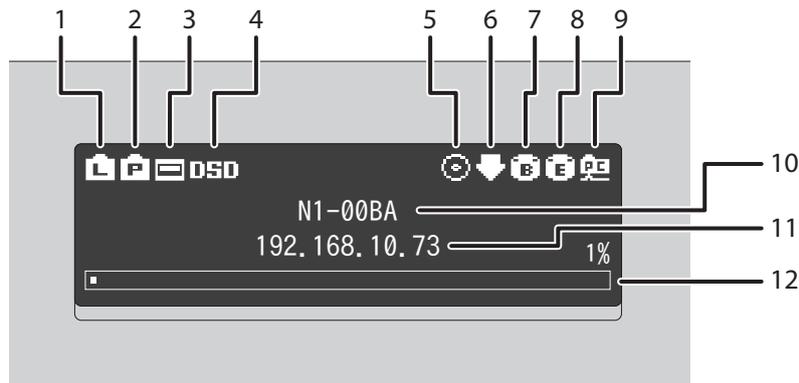


Chapter 2 Basic Usage

Display

Home Screen

Turn on the N1. After it boots, the home screen will be displayed.



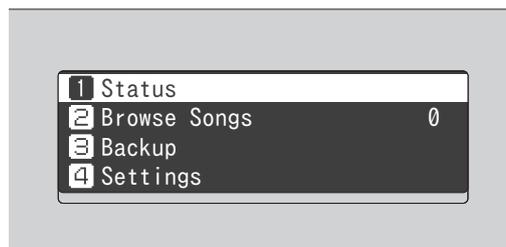
The home screen displays the following information:

Number	Item	Description
1	Status of Connected Router or Hub	: Displays when a router or switch is connected to the N1's LAN port. : Displays when a router or switch is not connected to the N1's LAN port or they are turned off.
2	Status of Connected Player	: Displays when a Network Audio Player that is connected to the N1's player port is on. : Displays when no Ethernet cable is connected to the player port or a connected Network Audio Player is off.
3	Status of Connected USB-DAC	: Displays if a USB-DAC is connected.
4	DSD Playback Mode	DSD : Displays when the playback mode is set to "Standard" and a connected USB-DAC supports Melco Markerless DSD playback. DSD : Displays when the playback mode is set to "Standard" and a connected USB-DAC does not support Markerless DSD playback. DoP : Displays when the playback mode is set to "DSD over PCM priority mode". PCM : Displays when the playback mode is set to "PCM only". Note : If none of the above icons are displayed, the playback mode is set to "Legacy".
5	Status of Connected Optical Drive	: Displays if an optical drive is connected. The icon will be extinguished if no optical drives are connected.
6	Status of Downloader	: Displays when an account was added and auto download is enabled. : Displays when an account was added but auto download is disabled. : Displays when an error occurs and downloading failed.

Number	Item	Description
7	USB Port for Backup USB Drive	: Displays when a USB device is connected to the backup port.
8	USB Port for Expansion USB Drive	: Displays when a USB device is connected to the expansion port. While the icon is blinking, the N1 is searching for music files. When the icon stops blinking, playback is ready. : Displays when a USB device is connected to the front USB port on the N1A model. : Displays when USB devices are connected to the front and expansion ports on the N1A model.
9	Status of File Sharing	: Displays when the setting is enabled by navigating to "Settings" > "SMB File Sharing".
10	Friendly Name (Hostname)	Displays the friendly name (hostname) of the N1. The friendly name is used when accessing the N1 from an app or computer.
11	IP Address	Displays the IP address. The IP address is used when accessing the N1 from a computer. If no IP address is displayed, the player port is set to "Direct Mode".
12	Usage Capacity of Internal Drive	Displays the used capacity of the internal hard drive in the N1, using a bar chart and a percentage (%).

Menu

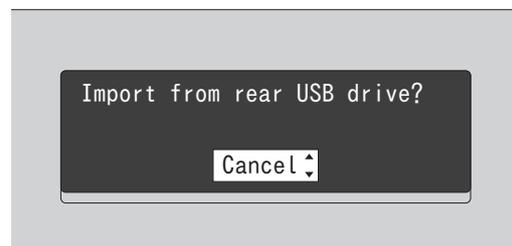
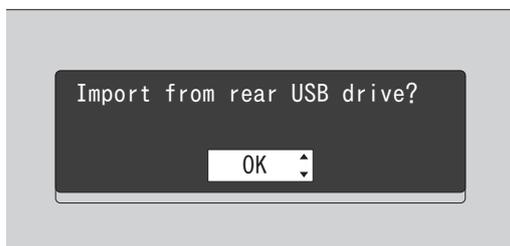
Press the Menu/Enter button (↵) while the home screen is displayed.



Move the cursor by pressing the Up button (▲) or the Down button (▼), then press the Menu/Enter button (↵) to make a selection.

Dialog

When confirming the operation, the dialog screen will be displayed.



Move the cursor by pressing the Up button (▲) or the Down button (▼), then press the Menu/Enter button (↵) to make a selection.

Streaming Screen

When the N1 starts streaming music files, the display panel will show the streaming music information.

Notes:

- If the music file is playing on a computer, the music information will not be displayed on the display panel.

- Depending on the streaming player, file format, or file tag information, music information may not always be displayed properly on the display panel.

Streaming to Network Audio Player

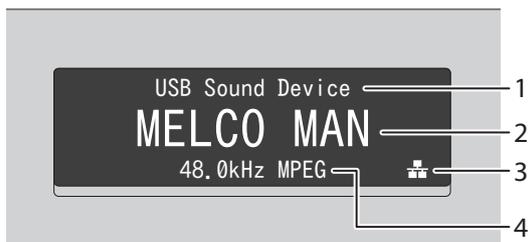


The display panel displays the following information:

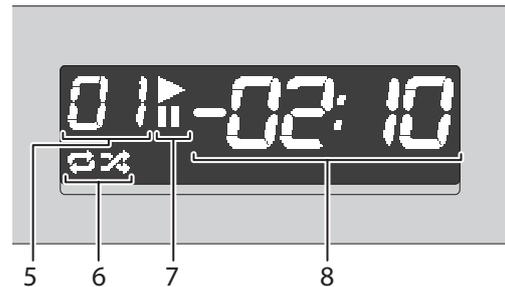
Number	Item	Description
1	Player Information	Displays the player information that playing a music file.
2	Title	Display the title of a music file.
3	Music File Information	Displays file format and sampling rate.

Streaming to USB-DAC

Selecting a Music File on the USB-DAC



Selecting a Music File or CD using Buttons on the N1



The display panel displays the following information:

Number	Item	Description
1	Player Information	Displays the player information that playing a music file.
2	Title	Display the title of a music file.
3	Music File Information	Displays file format and sampling rate.
4	Music File Source	 : Displays when streaming music files over the N1 or USB drives.  : Displays when streaming music files on the network.
5	Track Number	Displays the number of the track currently playing. Regardless of how many music files are available, only the last two digits of the track number will be displayed. For example, if track 121 is playing, this will show "21".
6	Repeat/Shuffle	 : Repeats playback of all music files while this is displayed.  : Shuffles playback of all music files while this is displayed.
7	Playback/Suspension	 : Appears while playing a music file.  : Appears while playback is suspended.
8	Remaining Time/Song Time Passed	Switches the display option by pressing the Down button () while playback is suspended.

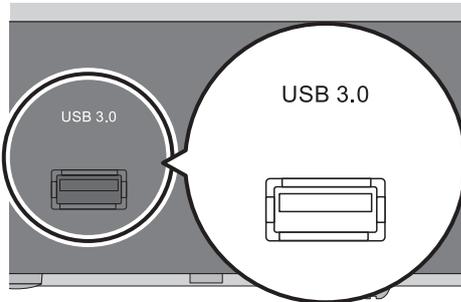
Importing Music Files

Music files can be imported from a USB device or a CD to the N1.

Importing from USB Devices

To import music files from a connected USB device, follow the procedure below.

- 1 Connect the USB device that contains music files to the USB 3.0 port.



Notes:

- Use only the compatible USB devices listed on melco-audio.com.
- Connect only NTFS-formatted, FAT32-formatted, HFS Plus-formatted, or exFAT-formatted USB devices.

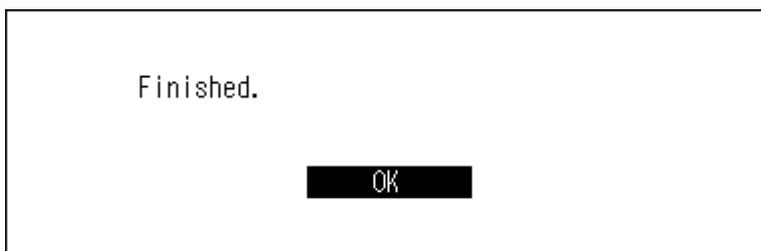
- 2 When the USB drive is connected to the rear USB 3.0 port, the following screen will be displayed. Press the Down button () and select "OK", then press the Menu/Enter button ().



When the USB drive is connected to the front USB port, the following screen will be displayed. Press the Down button () and select "Import", then press the Menu/Enter button ().



- 3 Wait until music importing is finished.
- 4 When finished, press the Menu/Enter button ().



- 5 Turn off the N1 first, then disconnect the USB device.

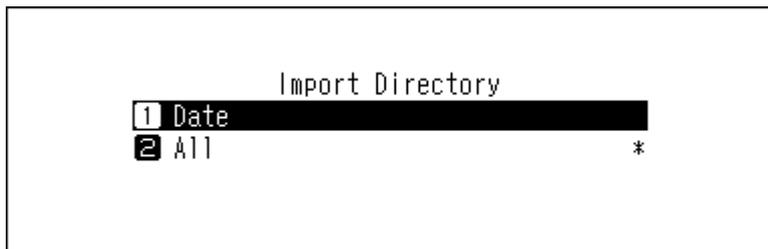
Note: If you want to disconnect the device while the N1 is on, change the functions to off from *Settings > Media Server > Twonky Service* and *Settings > SMB File Sharing* before disconnecting.

Notes:

- If a filename or folder name starts with a period (.), the file or folder cannot be imported.
- When the Back button (↶) is pressed while importing, the import process will be cancelled after the N1 finishes importing the current file. If the imported file size is large, the cancellation process may take a few minutes to finish.

Import Destination Details

Imported music files will be stored in the “import” folder. There are two options to store the imported data in the N1. To change these options, go to *Settings > Import Directory* and select “Date” or “All”.



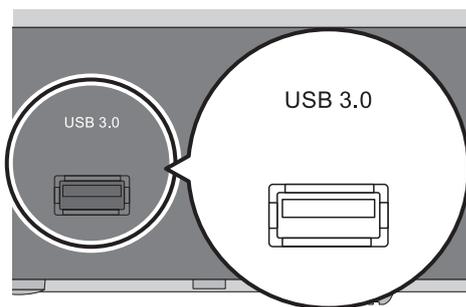
- **Date:** If you select this option, a folder that contains the import date in the folder name will be created within the “import” folder and all imported files will be stored in that folder. Even if the same data is included in the USB device, it will be copied to the N1.
- **All:** If you select this option, data will be imported into the “all” folder within the “import” folder. With this option, only files with changes will be imported to the N1. Files with no changes from the previous import will not be imported.

Importing from a Music CD

To import tracks from a music CD, follow the procedure below.

Note: Importing tracks from a music CD requires an optical drive (not included). Use only the compatible optical drives listed on melco-audio.com. Depending on the manufacture date, circumstances, and specifications of a connected optical drive, it may not work even if the optical drive is listed in our compatible devices.

- 1** Connect an optical drive to the USB 3.0 port.



- 2** Insert a music CD to import its tracks.

- 3** When the following screen is displayed, press the Down button (∇) and select "Import", then press the Menu/Enter button (\hookrightarrow).



- 4** When the CD is detected, the N1 will try to get the album information automatically. If the N1 is connected to the Internet, music tracks will be imported using the acquired album information.

When multiple titles are found, the following message will be displayed. Press the Menu/Enter button (\hookrightarrow) and select the appropriate album title on the displayed window. The album title with the "*" symbol will contain the cover art.



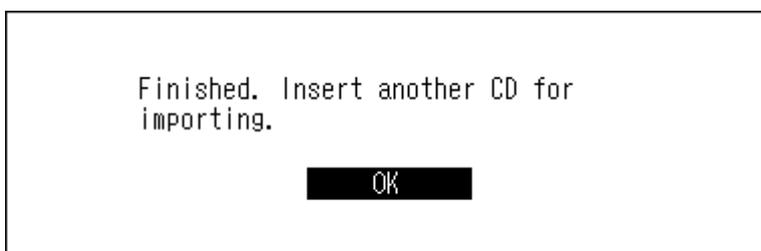
Once you have selected the album title, you can return to the previous window and select it again by pressing the Back button (\hookleftarrow).

Note: If the N1 is not connected to the Internet, or if the CD information is not available from the online music database, the album name and music title information will not be acquired. In such a case, the import date will be used as the album name and the track number as the filename.

- 5** When the "Import from CD?" message is displayed, press the Down button (∇) and select "OK", then press the Menu/Enter button (\hookrightarrow).



- 6** When finished, press the Menu/Enter button (\hookrightarrow).



To import tracks from another CD, repeat the process from step 2 above.

Import Destination Details

Imported tracks will be stored in the "import_CD" folder. If importing from a non-music CD, the imported data will be stored in the "import" folder, not the "import_CD" folder.

Imported tracks that contain cover art (folder.jpg) cannot be moved or copied unless the cover art file is removed. Tracks that don't contain cover art can be moved or copied.

File Format of Imported Music Files

When importing music files from a CD, they will be saved as non-compressed FLAC files by default. They can be changed to WAV files, and FLAC compression levels are changeable as well. Available compression levels are described in the "Menu List" section in chapter 4.

Confirming Imported Files

Imported files can be accessed from mobile devices or computers which are connected to the same router with the N1. Follow the procedure below.

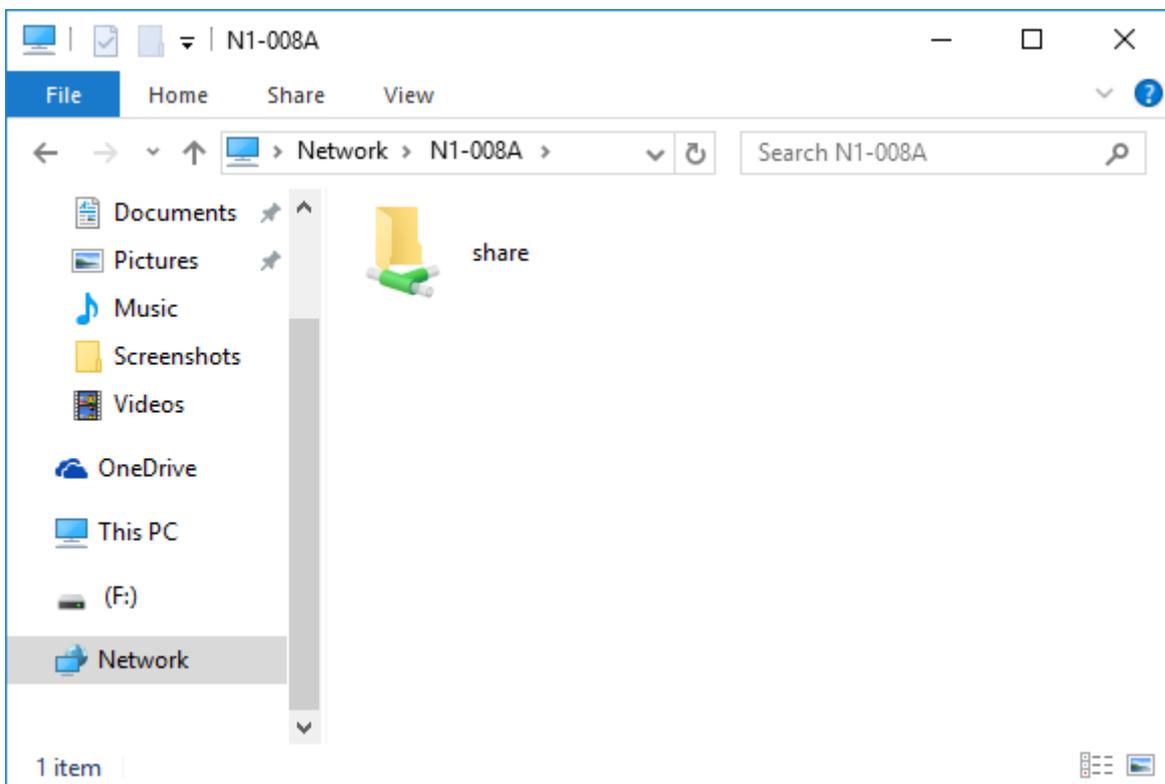
For Mobile Devices

To confirm imported music files from a mobile device, a UPnP/DLNA-compatible app is required. Install the app to a mobile device.

For Computers

To confirm imported music files from computers, follow the procedure below.

- 1 Enter "\\\" and the N1's IP address or friendly name (hostname) into the address bar of Windows Explorer, then press the Enter key. For macOS, click *Connect to Server* and enter "smb://" and the N1's IP address or friendly name.



- 2 The "share" folder will be displayed. Double-click the "share" folder and if the imported files are displayed, import was finished properly.

You can also import files from the computer to the displayed window mentioned in the step above.

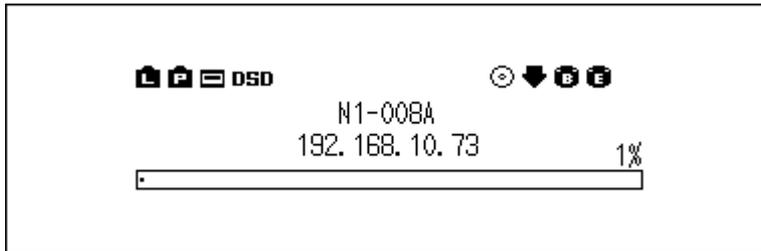
Notes:

- On a computer, you can also check the imported files by installing a UPnP/DLNA-compatible app.
- If the “share” folder is not displayed, wait for about 30 seconds and try again.

If Unable to Access from a Computer

If the file sharing status icon, number 9 in the “Home Screen” section, is not displayed on the home screen, enable the file sharing service. To enable the file sharing service, follow the procedure below.

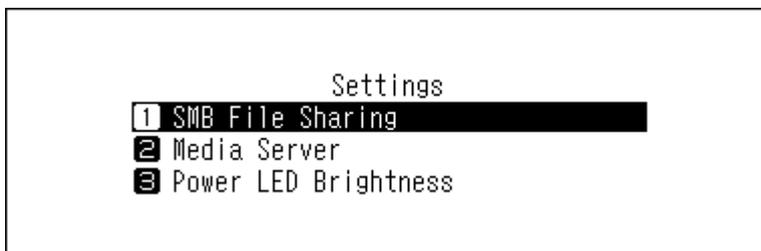
- 1** Press the Menu/Enter button (↵) to display the menu list at the home screen.



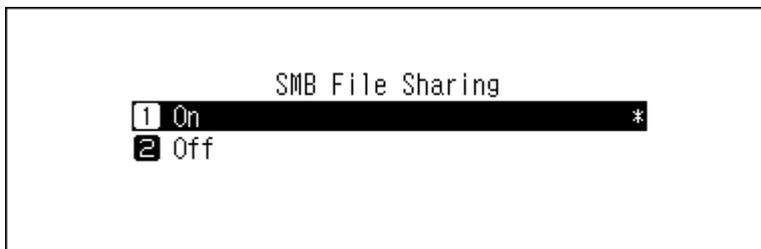
- 2** Press the Down button (▼) and select “Settings”, then press the Menu/Enter button (↵).



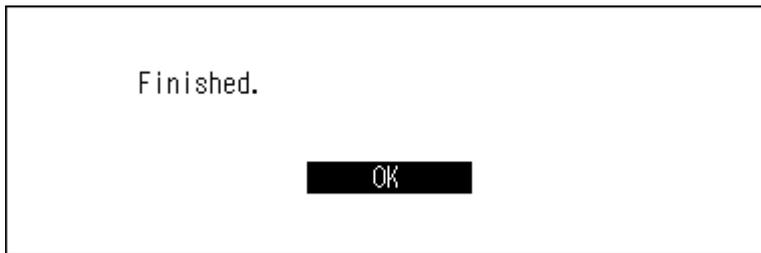
- 3** Press the Down button (▼) and select “SMB File Sharing”, then press the Menu/Enter button (↵).



- 4** Press the Down button (▼) and select “On”, then press the Menu/Enter button (↵).



5 When finished, press the Menu/Enter button (↵).



Downloading Music Files from Streaming Sites

Downloader can download music files from streaming sites automatically. Once you purchase the music files from a mobile device or computer, the N1 can download the files from the streaming site, even if you're not at home.

Supported streaming sites are listed below:

- HIGHRESAUDIO
- OTOTOY*
- e-onkyo music*
- mora*

* These streaming sites are only for Japanese consumers. "e-onkyo music" is not the same as "Onkyo Music", which is for overseas consumers.

Notes:

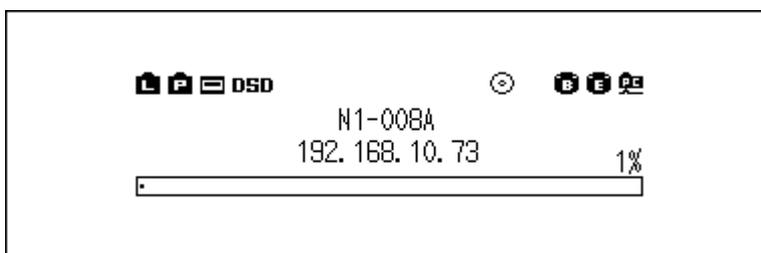
- Create an account on one of the streaming sites above before using downloader. Also, make sure the N1 is connected to the Internet. You can verify if the N1 is connected to the Internet from *Status > Network > LAN*.
- To use this function, the time settings should be acquired from the NTP server automatically.
- Do not move the folder under the "download" folder that contains the account name in its folder name to another folder. If the folder is moved, the N1 may download the same music files again.

Adding Accounts

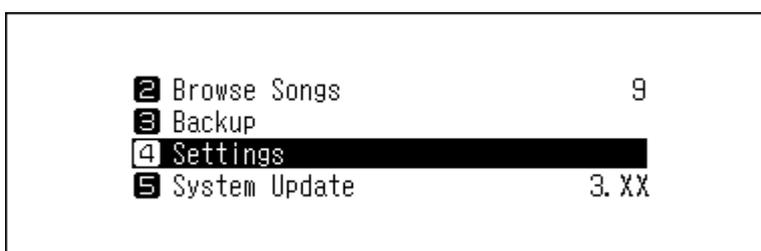
To add an account from a streaming site to the N1, follow the procedure below.

1 Create an account on the streaming site.

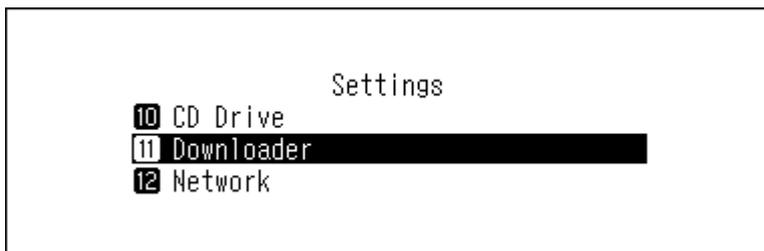
2 Press the Menu/Enter button (↵) to display the menu list at the home screen.



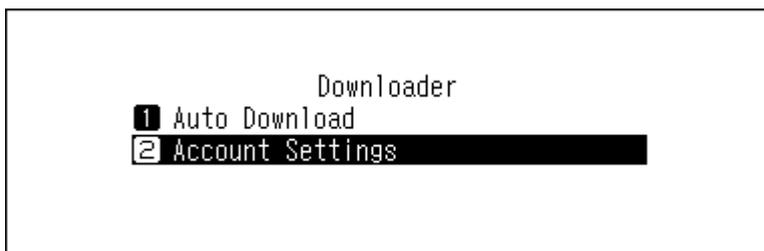
3 Press the Down button (▼) and select "Settings", then press the Menu/Enter button (↵).



4 Press the Down button (∇) and select "Downloader", then press the Menu/Enter button (\hookrightarrow).



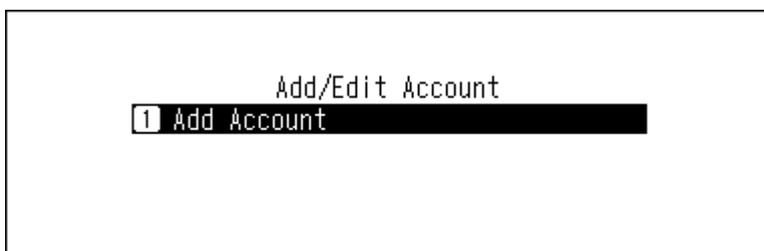
5 Press the Down button (∇) and select "Account Settings", then press the Menu/Enter button (\hookrightarrow).



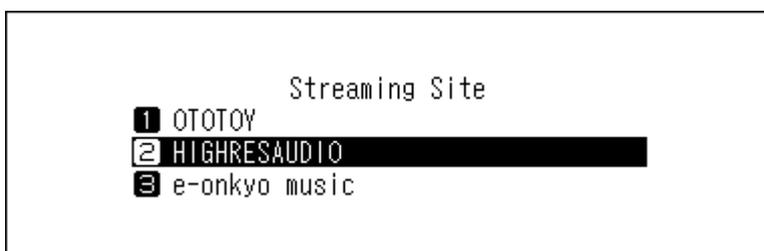
6 Press the Down button (∇) and select "Add/Edit Account", then press the Menu/Enter button (\hookrightarrow).



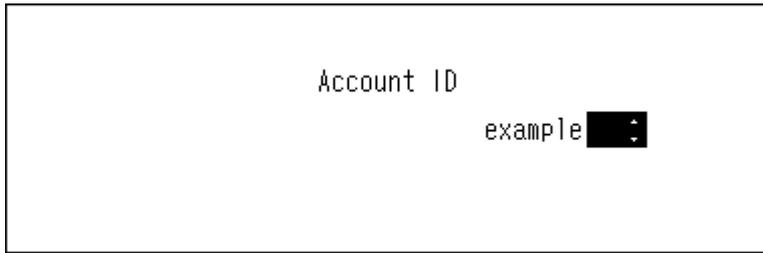
7 Press the Down button (∇) and select "Add Account", then press the Menu/Enter button (\hookrightarrow).



8 Select the streaming site to add an account using the Up/Down buttons (\wedge ∇) and press the Menu/Enter button (\hookrightarrow).



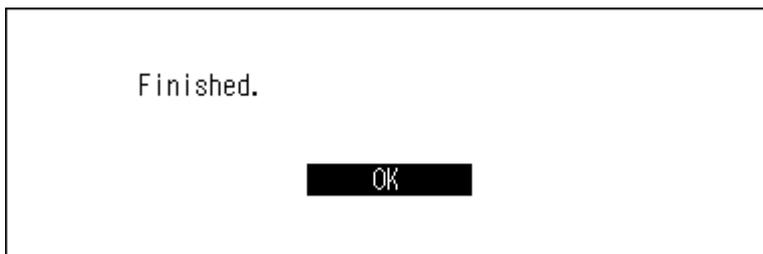
9 Enter the account ID using the Up/Down buttons (^ v), then press the Menu/Enter button (↵).



10 Enter the account password using the Up/Down buttons (^ v), then press the Menu/Enter button (↵).



11 When the credentials are authenticated, the following message will be displayed. Press the Menu/Enter button (↵).

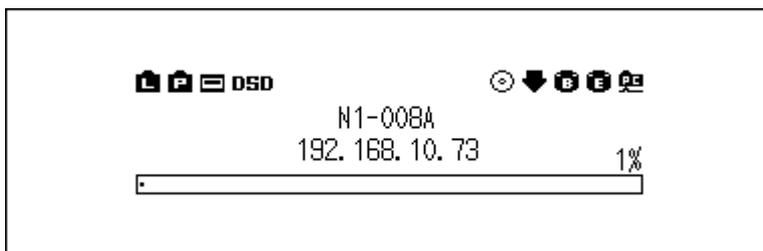


After an account has been added, auto download will be automatically enabled.

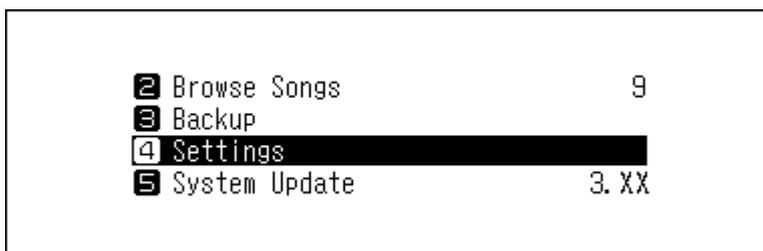
Enabling or Disabling Auto Download

To disable or enable auto download, follow the procedure below.

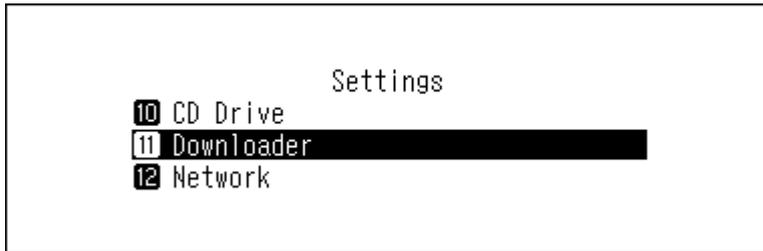
1 Press the Menu/Enter button (↵) to display the menu list at the home screen.



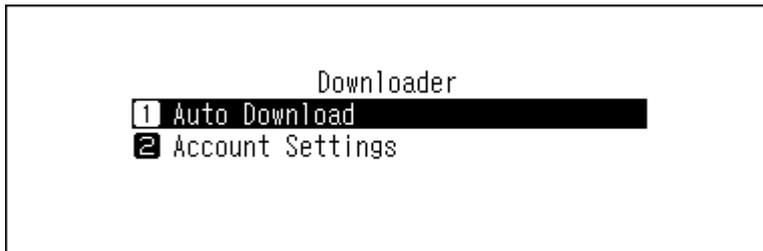
2 Press the Down button (v) and select "Settings", then press the Menu/Enter button (↵).



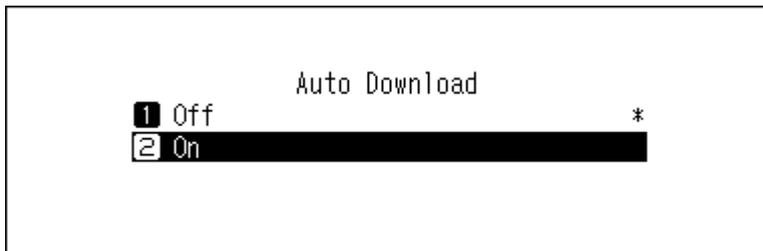
3 Press the Down button (∇) and select "Downloader", then press the Menu/Enter button (\hookrightarrow).



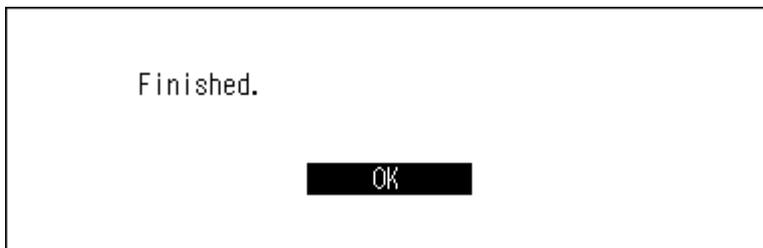
4 Press the Down button (∇) and select "Auto Download", then press the Menu/Enter button (\hookrightarrow).



5 Press the Down button (∇) and select either "Off" or "On", then press the Menu/Enter button (\hookrightarrow).



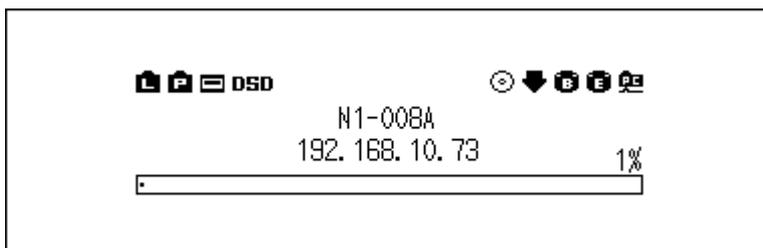
6 When finished, press the Menu/Enter button (\hookrightarrow).



Deleting Accounts

To delete an existing account on the N1, follow the procedure below.

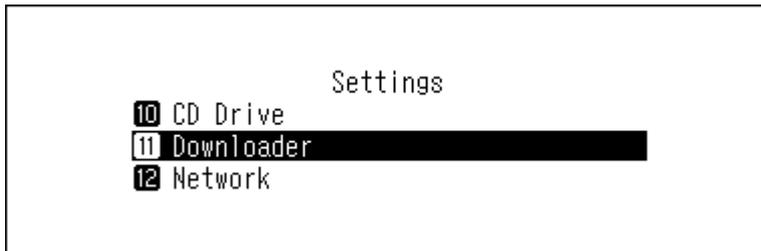
1 Press the Menu/Enter button (\hookrightarrow) to display the menu list at the home screen.



2 Press the Down button (∇) and select "Settings", then press the Menu/Enter button (\hookrightarrow).



3 Press the Down button (∇) and select "Downloader", then press the Menu/Enter button (\hookrightarrow).



4 Press the Down button (∇) and select "Account Settings", then press the Menu/Enter button (\hookrightarrow).



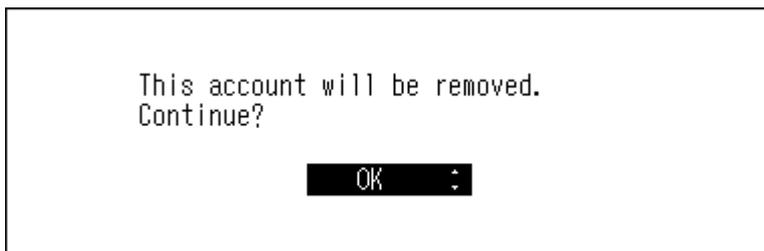
5 Press the Down button (∇) and select "Remove Account", then press the Menu/Enter button (\hookrightarrow).



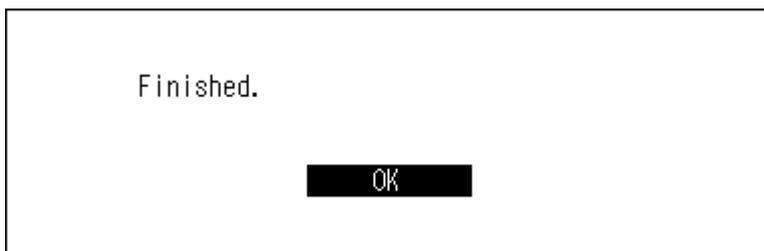
6 Select the account to be deleted using the Up/Down buttons ($\wedge \nabla$), then press the Menu/Enter button (\hookrightarrow).



7 Press the Down button (▼) and select "OK", then press the Menu/Enter button (↵).



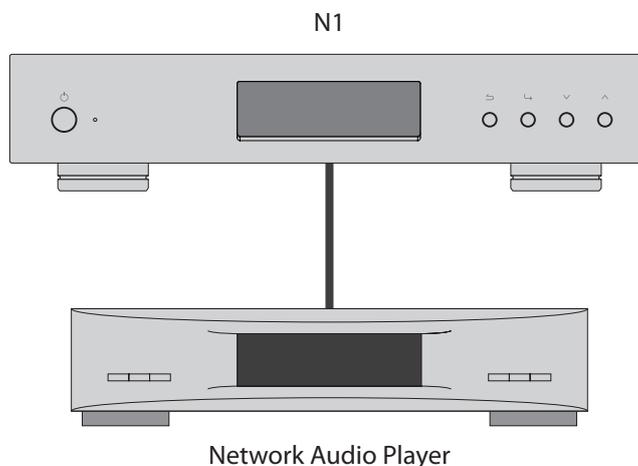
8 When finished, press the Menu/Enter button (↵).



Note: If you remove all accounts with auto download enabled, it will be disabled automatically.

Playing Music Files on a Network Audio Player

Imported music files can be played using the Network Audio Player. The procedure to play music files is different depending on the Network Audio Player, so refer to your Network Audio Player's manual for more detailed information on how to play music.



Streaming Imported Music Files

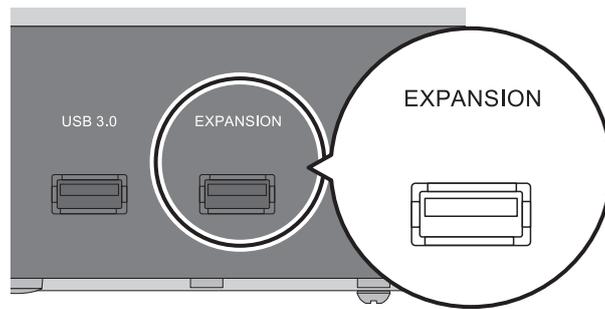
The N1 supports streaming of files with the extensions below.

Supported File Types for Streaming

Extensions	mp3, wma, wav, lpcm, pcm, ogg, m4a, mp4, 3gp, flac, m3u, mpa, aac, apl, ac3, aif, aiff, mp2, mp1, dsf, dff
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Streaming Music Files from USB Devices

Even if music files are not imported from the USB device that is connected to the expansion port of the N1, your Network Audio Player can play music files from the USB device.

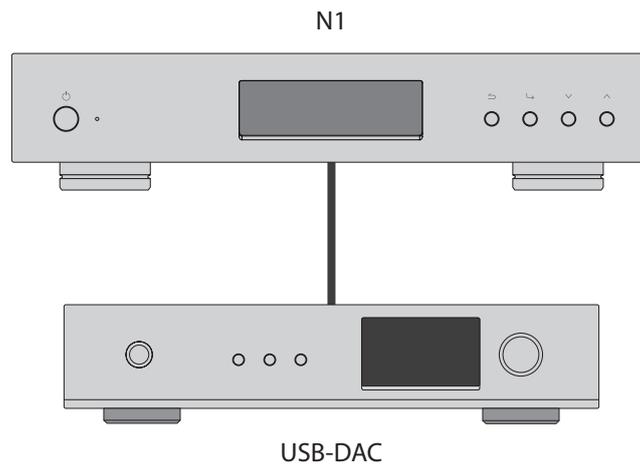


Notes:

- Use only the compatible USB devices listed on melco-audio.com.
- Turn off the N1 first, then disconnect the USB device.
If you want to disconnect the device while the N1 is on, change the functions to off from *Settings > Media Server > Twonky Service* and *Settings > SMB File Sharing* before disconnecting.

Playing Music Files on USB-DAC Devices

The N1 supports USB-DAC, short for “USB digital-to-analog converter”. If using buttons on the unit or a mobile device with a controller app installed, you can directly connect a USB-DAC to the N1 to stream music and enjoy high-quality sound without using a computer.



Configuring for USB-DAC

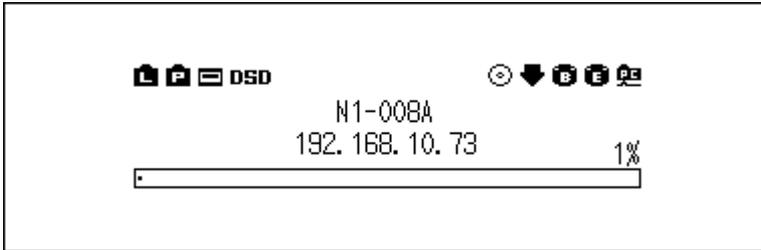
The N1 supports four different playback modes for DSD files (.dsf, .dff). You can select from the following modes:

- **Standard:** The default and recommended playback mode. If a connected USB-DAC supports Melco Markerless DSD, the DSD file will be played by the Markerless DSD playback; otherwise, the DSD file will be played by DSD over PCM.
When this mode is configured, the **DSD** or **DSD** icon will appear on the home screen.
- **DSD over PCM priority mode:** This mode applies DSD over PCM even if a connected USB-DAC supports Markerless DSD playback. Except for this behavior, this mode is the same as standard mode.
When this mode is configured, the **DoP** icon will appear on the home screen.
- **PCM only:** This mode will convert DSD files to PCM files. If connecting a USB-DAC that only supports playing PCM files, selecting this mode is recommended. Except for this behavior, this mode is the same as standard mode.
When this mode is configured, the **PCM** icon will appear on the home screen.
- **Legacy:** This mode will be applied on playback. This mode is provided for compatibility with firmware version 3.00 to 3.21 and it is different from standard mode. This mode always plays the DSD files by DSD over PCM.

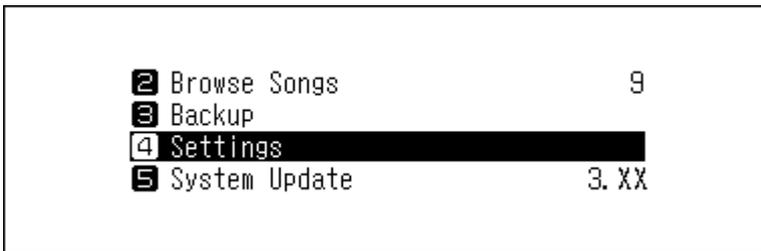
When this mode is configured, no icon will appear on the home screen.

To configure USB-DAC on your N1, follow the procedure below.

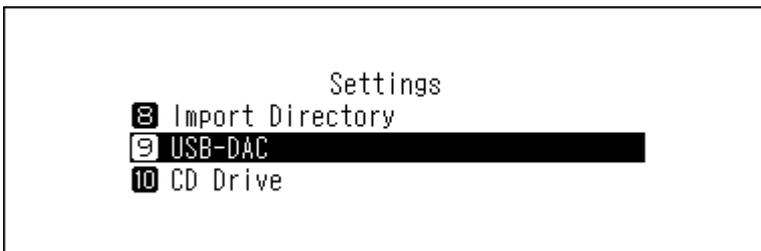
- 1 Press the Menu/Enter button (↵) to display the menu list at the home screen.



- 2 Press the Down button (▼) and select "Settings", then press the Menu/Enter button (↵).



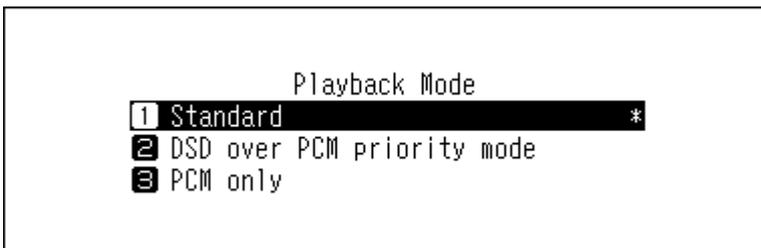
- 3 Press the Down button (▼) and select "USB-DAC", then press the Menu/Enter button (↵).



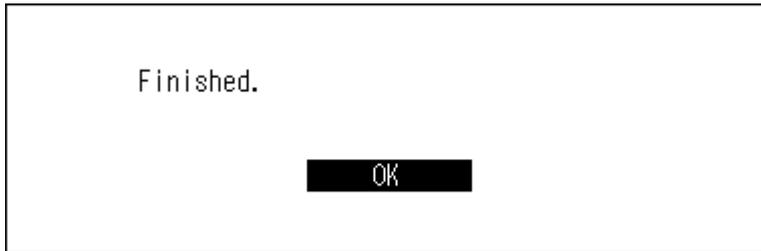
- 4 Press the Down button (▼) and select "Playback Mode", then press the Menu/Enter button (↵).



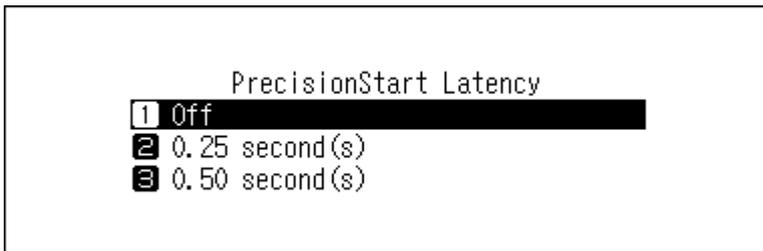
- 5 Select the playback mode using the Up/Down buttons (▲▼), then press the Menu/Enter button (↵).



6 When finished, press the Menu/Enter button (↵).



Note: Depending on your USB-DAC, the beginning of a music file may not count as initial playback if the sampling rate has changed between music files or if playing DSD files. In such a case, go to *Settings > USB-DAC > PrecisionStart Latency* and set a gap time. This gap time will be added to the first track of the playlist. The default gap time is 0.75 seconds.



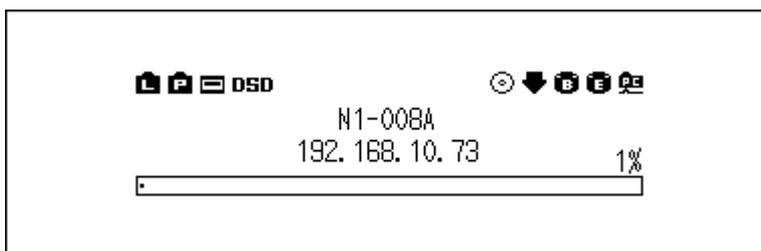
- If the beginning of a music file is not played correctly with the default value, make the gap time longer.
- If the default value works correctly, the switch to the next music file will become faster when you make the gap time shorter.

Playing Imported Music Files

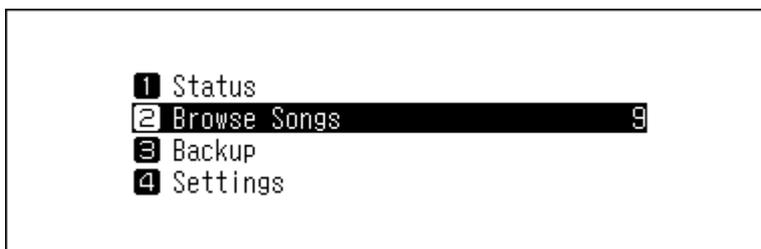
To stream music files in the N1 or USB drive to a USB-DAC, use buttons on the unit or a controller app on the mobile device. For more detailed information about how to use controller apps, refer to the apps' user guides.

To play music files using buttons on the N1, follow the procedure below.

1 Press the Menu/Enter button (↵) to display the menu list at the home screen.

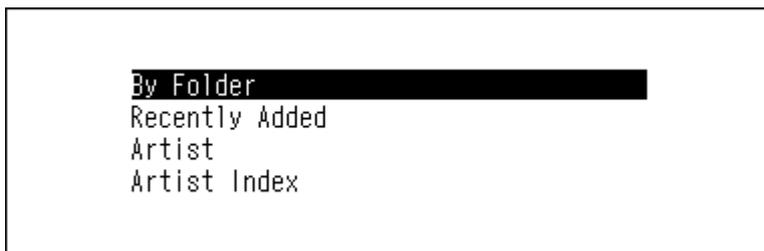


2 Press the Down button (▼) and select "Browse Songs", then press the Menu/Enter button (↵).

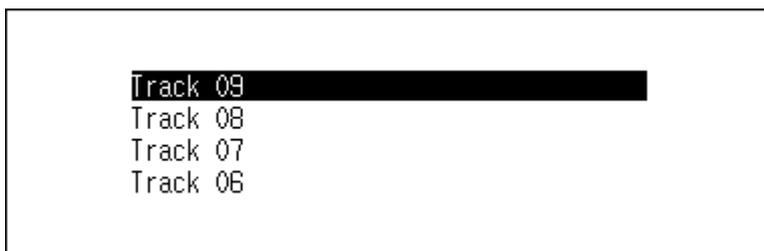


Note: The number shown to the right of "Browse Songs" means the number of available music files to play.

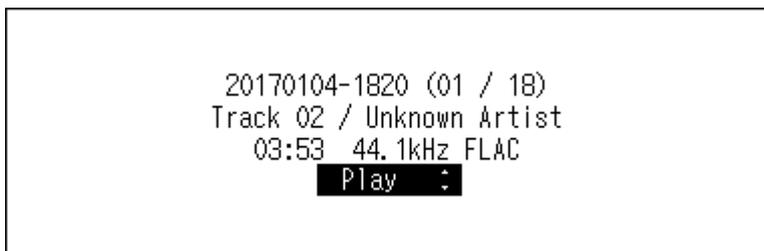
3 Select the category using the Up/Down buttons (^ v), then press the Menu/Enter button (↵).



4 Select the music file to play using the Up/Down buttons (^ v), then press the Menu/Enter button (↵).



5 Press the Down button (v) and select "Play", then press the Menu/Enter button (↵).



The N1's USB-DAC supports streaming for the following file types and sampling rates.

Supported File Types

File Types	Extensions
FLAC	.flac
ALAC (Apple Lossless) / AAC	.m4a
AIFF	.aiff, .aif
WAV	.wav
DSDIFF	.dff
DSF	.dsf

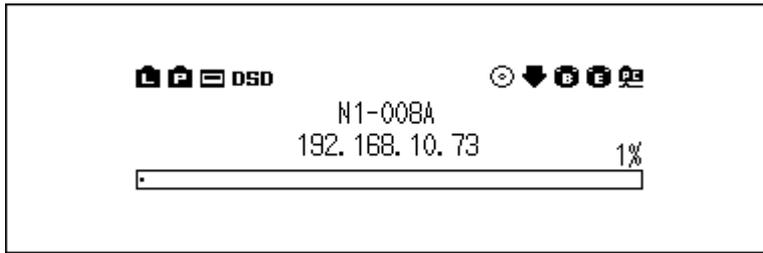
Supported Sampling Rates

- PCM: 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz, 176.4 kHz, 192 kHz, 352.8 kHz, 384 kHz, 705.6 kHz, 768 kHz
- DSD: 2.8 MHz, 5.6 MHz, 11.3 MHz, 22.6 MHz

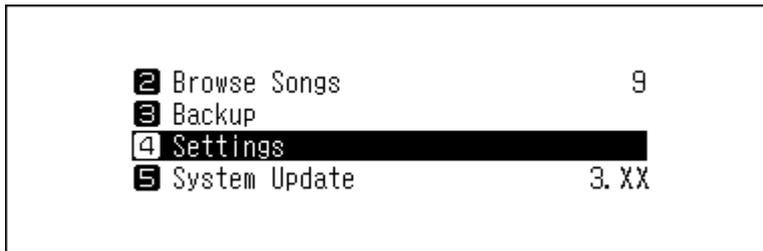
Selecting the Controller Mode

"HybridMode" is configured by default and it supports using many types of controller apps. However, it is recommended to change the controller settings to "Mode 0 Only" or "Mode 1 Only" that is compatible with your controller app. It will optimize communication between the N1 and the controller app. For more information about each mode and compatible apps, refer to the melco-audio.com site. To change the controller settings, follow the procedure below.

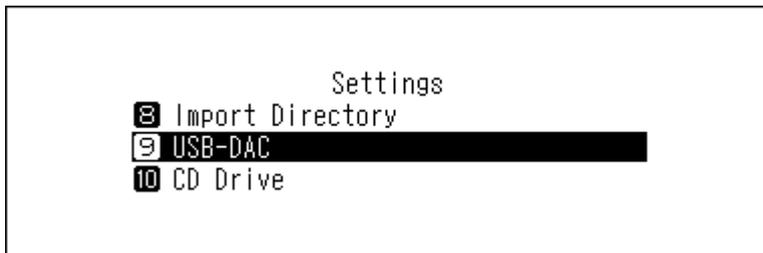
1 Press the Menu/Enter button (↵) to display the menu list at the home screen.



2 Press the Down button (↓) and select "Settings", then press the Menu/Enter button (↵).



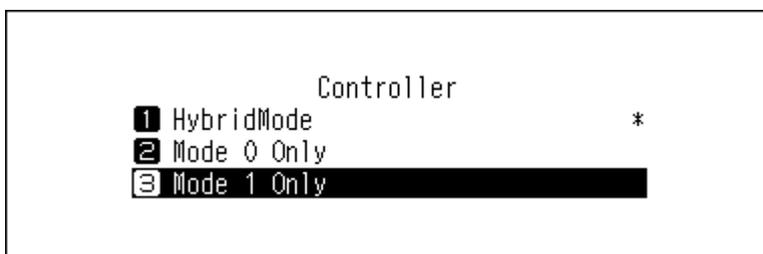
3 Press the Down button (↓) and select "USB-DAC", then press the Menu/Enter button (↵).



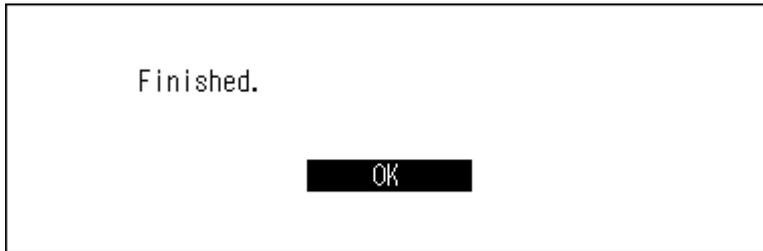
4 Press the Down button (↓) and select "Controller", then press the Menu/Enter button (↵).



5 Press the Down button (↓) and select "Mode 1 Only", then press the Menu/Enter button (↵).



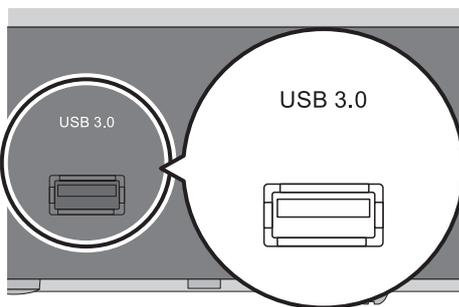
6 When finished, press the Menu/Enter button (↵).



Playing a CD Using an Optical Drive

CD Transport will allow you to play music tracks from the optical drive that is connected to the N1 using USB-DAC. To play music tracks using an optical drive, follow the procedure below.

1 Connect an optical drive to the USB 3.0 port.



2 Insert a music CD to play music tracks.

3 Press the Down button (▼) and select "Play", then press the Menu/Enter button (↵). The CD will start playing.



Notes:

- To play another music CD, stop the current CD and remove it from the drive, then repeat from step 5.
- Do not disconnect the optical drives or USB-DAC while playing music tracks.
- While playing music tracks using CD Transport, the music files on the N1 cannot be played by another Network Audio Player.

Operation While Playing a Music CD

You can work with the following operations using buttons on the N1.

- Playback will be stopped by pressing the Back button (⏪) while playing music.
- Playback will be suspended or resumed by pressing the Menu/Enter button (↵) while playing music.
- The next track will be played by pressing the Up button (⏩) while playing music.
- The previous track will be played by pressing the Down button (▼) while playing music.
- Playback will switch to repeat and shuffle by pressing the Up button (⏩) while playback is suspended. When the button is pressed once, playback will switch to repeat. When the button is pressed twice, playback will switch

to shuffle. When the button is pressed three times, playback will switch to both repeat and shuffle. When the button is pressed four times, playback will revert to normal.

- The display panel will switch to the song time passed or remaining time by pressing the Down button (✓) while playback is suspended.

Backing Up and Restoring

Backup Operations

With this operation, both music files and settings are backed up. Backed up music files can be restored if the files are deleted.

Backup operations will vary depending on the file system of the connected USB device. Differences between backup modes are below:

File System	Mode	Files Included
NTFS-Formatted Device	Differential backup	Only files with different sizes and times from on the previous backup will be saved. If file contents and location (path) remain the same since the previous backup job, these files will not be backed up. When the file location changes, that file will be backed up even if the contents have not changed.
HFS Plus-Formatted Device without Journaling		
FAT32-Formatted Device	Full backup	All files will be backed up.
exFAT-Formatted Device		

Notes:

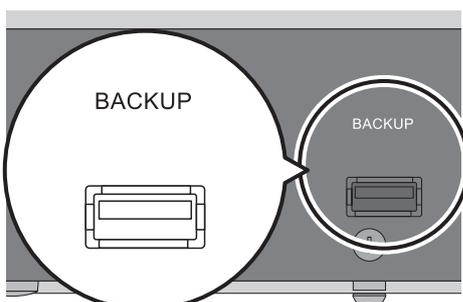
- Use only the compatible USB devices listed on melco-audio.com.
- The data will be kept even if the USB device already contains the backup data in it and a backup job runs.
- To use differential backup for NTFS or HFS Plus-formatted device, format the USB device by selecting "Format" in the window below. All data will be erased when formatting.



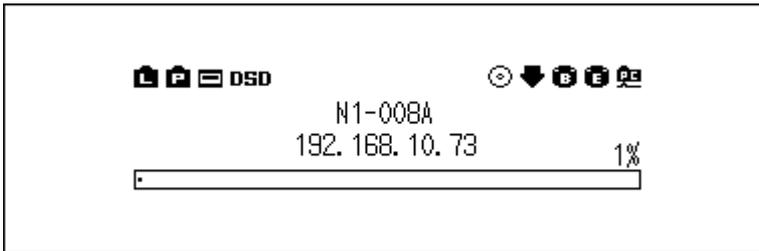
Backing Up

To back up imported music files, follow the procedure below.

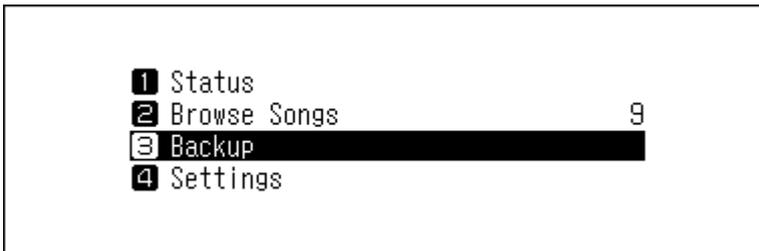
- 1** Connect the USB device (sold separately) to the backup port. If you connect the USB device that contains the N1's backup data, you can also use it for the differential backups.



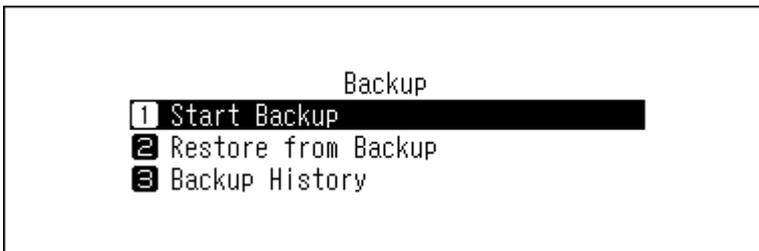
2 Press the Menu/Enter button (↵) to display the menu list at the home screen.



3 Press the Down button (▼) and select "Backup", then press the Menu/Enter button (↵).



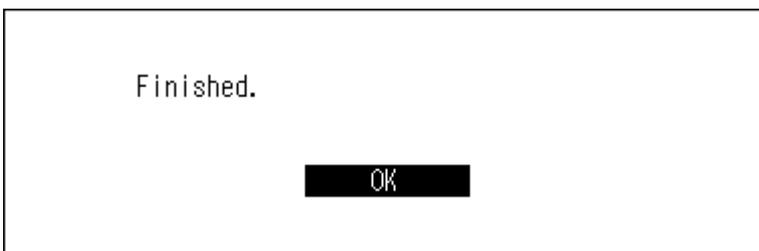
4 Select "Start Backup" and press the Menu/Enter button (↵).



5 When the following message is selected, the full backup will run if you select "OK". If you want to run the differential backup, press the Down button (▼) and select "Cancel" to stop the backup process, then press the Menu/Enter button (↵).



6 When finished, press the Menu/Enter button (↵).



7 Turn off the N1 first, then disconnect the USB device.

Note: If you want to disconnect the device while the N1 is on, change the functions to off from *Settings > Media Server > Twonky Service* and *Settings > SMB File Sharing* before disconnecting.

Note: Backed up data will be saved in the following folder:

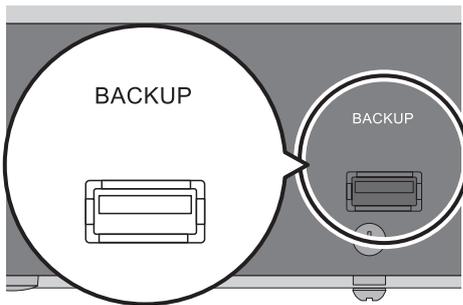
“.Anas.bak” - MAC address - backup date and time - “disk1”

Normally, a folder that contains a period in its name is treated as a hidden folder. Hidden folders cannot be displayed unless a specific setting on a computer is changed. To access the “.Anas.bak” folder from a computer, change its hidden folder settings beforehand.

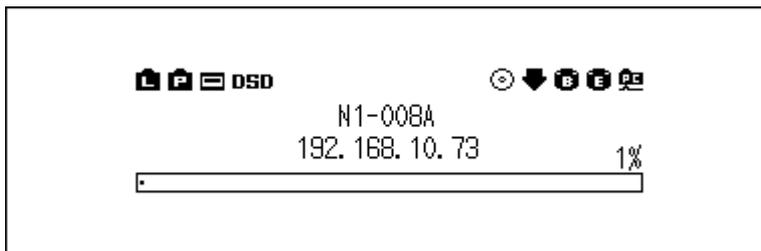
Restoring

To restore the backup data, follow the procedure below. **Restoring from backup will delete all current data on the drive. If needed, back up any data before continuing.**

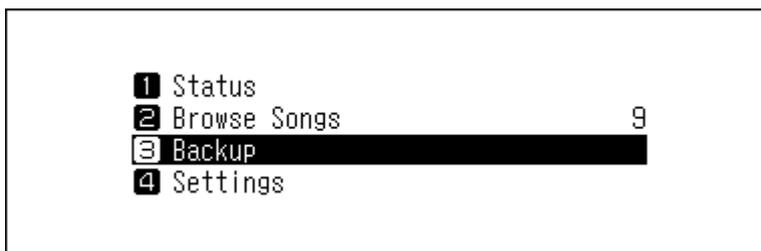
- 1 Connect the USB device that contains the backup data to the backup port.



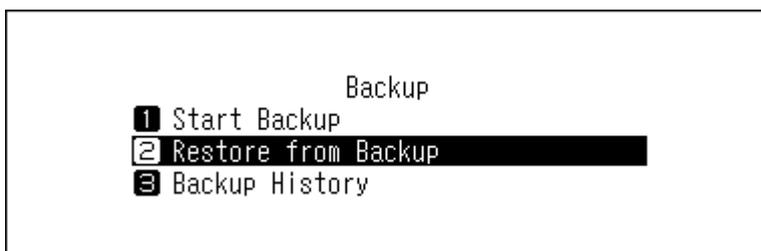
- 2 Press the Menu/Enter button (↵) to display the menu list at the home screen.



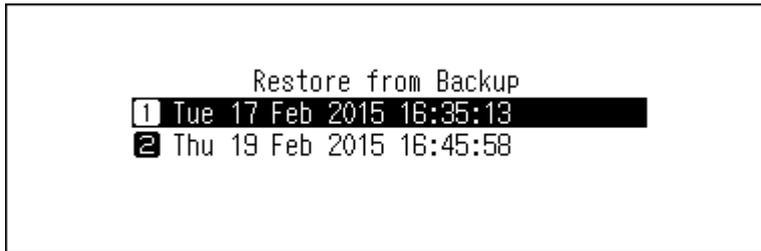
- 3 Press the Down button (▼) and select “Backup”, then press the Menu/Enter button (↵).



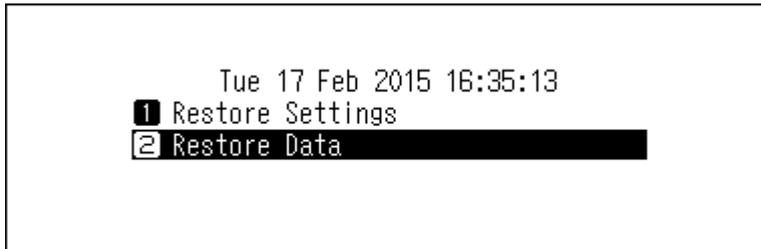
- 4 Press the Down button (▼) and select “Restore from Backup”, then press the Menu/Enter button (↵).



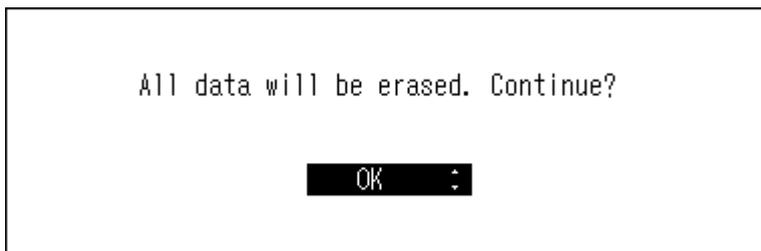
- 5 Press the Down button () and select the date of backup, then press the Menu/Enter button ().



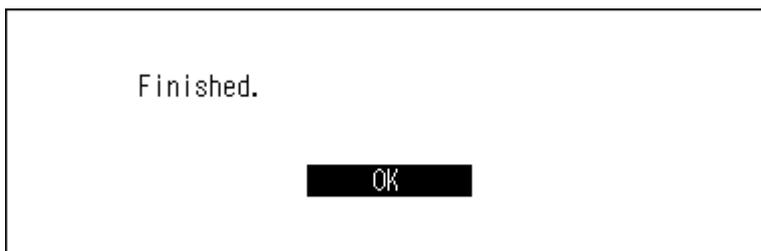
- 6 Press the Down button () and select "Restore Data", then press the Menu/Enter button (). If selecting "Restore Settings", settings other than the hostname can also be restored from the backup settings.



- 7 The message "All data will be lost. Continue?" will be displayed. Make sure that all files on the drive can be erased before proceeding. To continue formatting, press the Down button () and select "OK", then press the Menu/Enter button ().



- 8 When finished, press the Menu/Enter button (). The N1 will restart.



- 9 Turn off the N1 first, then disconnect the USB device.

Note: If you want to disconnect the device while the N1 is on, change the functions to off from *Settings > Media Server > Twonky Service* and *Settings > SMB File Sharing* before disconnecting.

Note: To display the backup history, navigate to *Backup > Backup History*.

Deleting the Imported Music Files

There are two ways to delete the imported music files. Follow either procedure below.

Formatting the Drive

Format the drive, referring the “Formatting Drives” section in chapter 3. Formatting will delete all data on the drive. If needed, back up any data before continuing.

Deleting Each File Manually

Open the N1 shared folder from the computer, referring to the “Confirming Imported Files” section above, and delete each file manually.

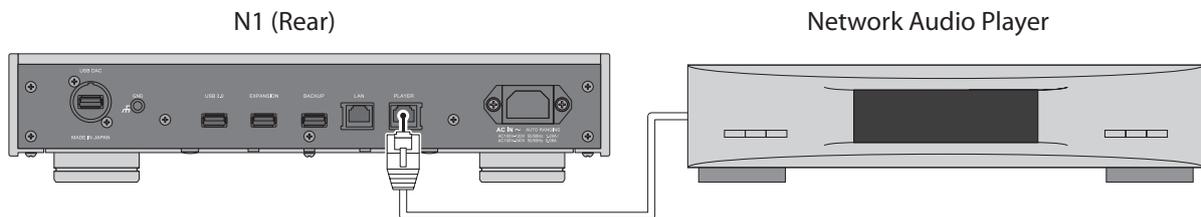
Chapter 3 Advanced Usage

Using Direct Mode

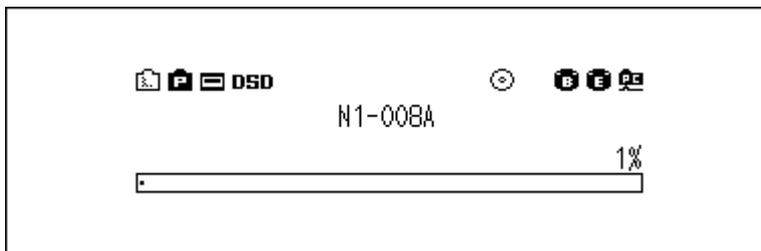
Set the N1 to direct mode if it is directly connected to the Network Audio Player with an Ethernet cable and no other devices are on the network. If using this mode, the N1 will not be connected to the router so it won't be able to control using the app. For playback, use the Network Audio Player's display panel and remote controller to select a music file. If a Network Audio Player is not available, it will not be able to select a music file.

To configure direct mode, follow the procedure below.

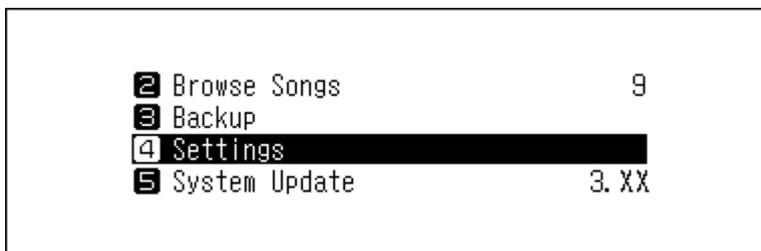
Note: Give the N1 plenty of space for airflow. Do not stack it with other devices that may give off heat.



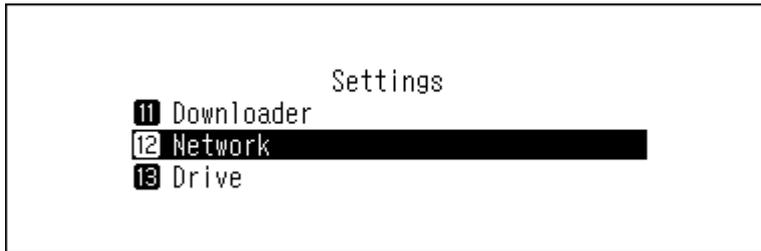
- 1 Connect the N1's player port and a Network Audio Player with the provided Ethernet cable. Do not connect the Ethernet cable to the Ethernet port for a router or hub.
- 2 Turn on the Network Audio Player.
- 3 Press the Menu/Enter button (↵) to display the menu list at the home screen.



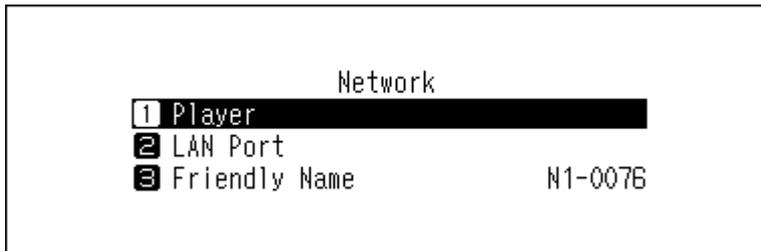
- 4 Press the Down button (∨) and select "Settings", then press the Menu/Enter button (↵).



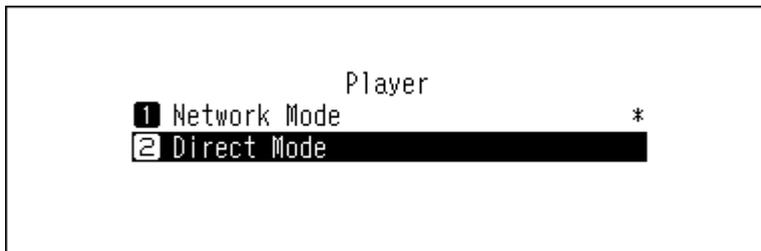
5 Press the Down button (▼) and select "Network", then press the Menu/Enter button (↵).



6 Select "Player" and press the Menu/Enter button (↵).



7 Press the Down button (▼) and select "Direct Mode", then press the Menu/Enter button (↵).



Note: To connect the N1 and the Network Audio Player to the network via the router or hub, use network mode instead. Select "Network Mode" at step 7 above to use network mode.

Changing the RAID Mode

The N1 is configured with a RAID array by default.

To change the RAID mode from the default, follow the procedure below. **Changing the RAID mode will delete all data on the drive. If needed, back up any data before continuing.**

Spanned

Combines 2 drives in the N1 into a single array. The usable drive space is the total space of all drives used. Data is written to the first drive, then the second drive once the first drive becomes full. If a single drive in the array fails, then all data on the array is lost.

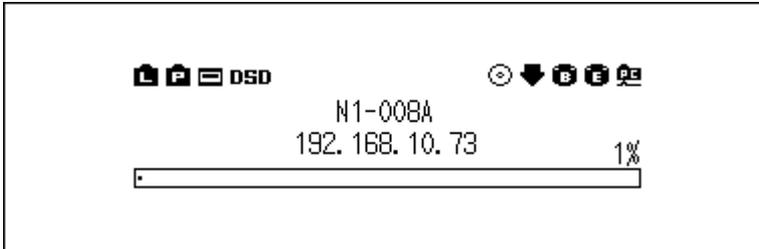
RAID 0

Combines 2 drives in the N1 into a single array. The usable drive space is the total space of all drives used. This simple RAID mode offers faster performance than a spanned array. If a single drive in the array fails, then all data on the array is lost. Amongst the three RAID modes, RAID 0 does not offer any redundancy. If secure data storage is critical, using RAID 0 is not recommended.

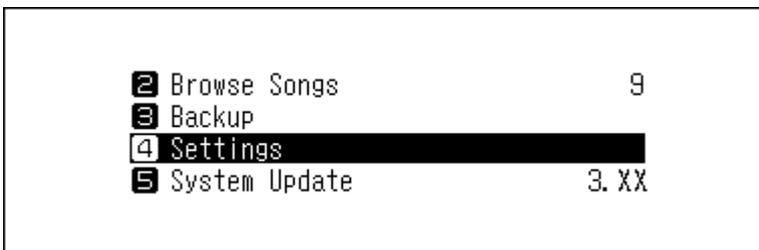
RAID 1

Combines 2 drives in the N1 into a mirrored array. The usable drive space on the array is the capacity of a single drive. Identical data is written to each drive. If a drive is damaged, data can be recovered by replacing the damaged drive. As long as one drive in the array remains undamaged, all data on the array can be recovered.

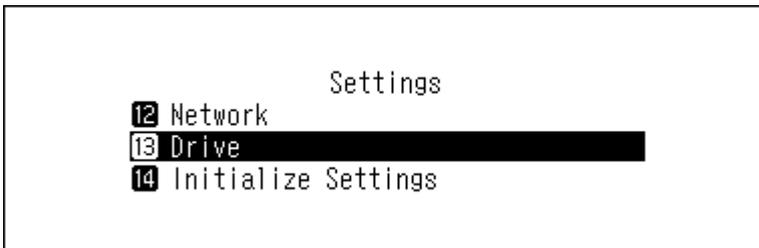
- 1 Press the Menu/Enter button (↵) to display the menu list at the home screen.



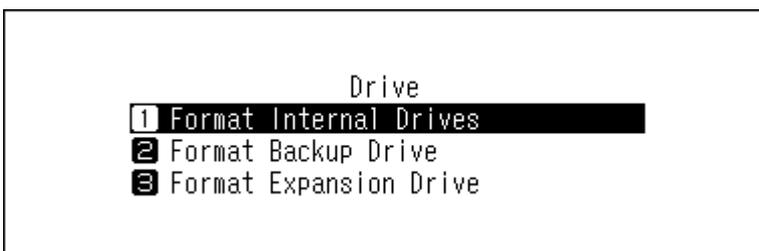
- 2 Press the Down button (▼) and select "Settings", then press the Menu/Enter button (↵).



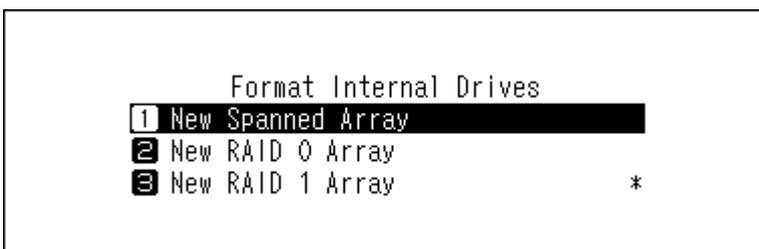
- 3 Press the Down button (▼) and select "Drive", then press the Menu/Enter button (↵).



- 4 Press the Down button (▼) and select "Format Internal Drives", then press the Menu/Enter button (↵).



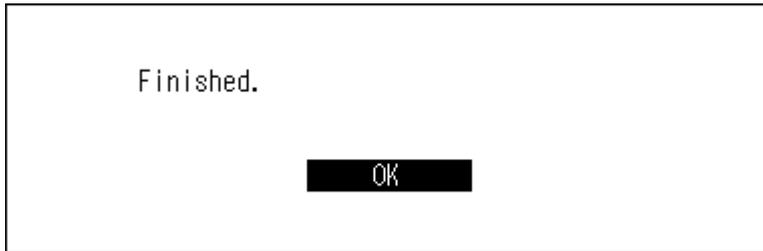
- 5 Press the Up/Down buttons (▲▼) and select the RAID mode to configure, then press the Menu/Enter button (↵).



- 6 The message “All data will be lost. Continue?” will be displayed. Make sure that all files on the drive can be erased before proceeding. To continue changing the RAID mode, press the Down button (▼) and select “OK”, then press the Menu/Enter button (↵).



- 7 When finished, press the Menu/Enter button (↵).

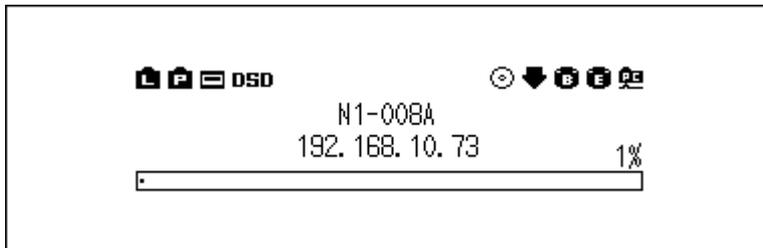


Formatting Drives

To format internal drives in the N1 or connected USB devices, follow the procedure below. **Formatting will delete all data on the drive. If needed, back up any data before continuing.**

Formatting Internal Drives

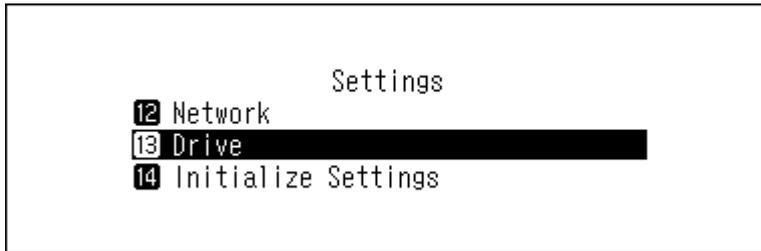
- 1 Press the Menu/Enter button (↵) to display the menu list at the home screen.



- 2 Press the Down button (▼) and select “Settings”, then press the Menu/Enter button (↵).



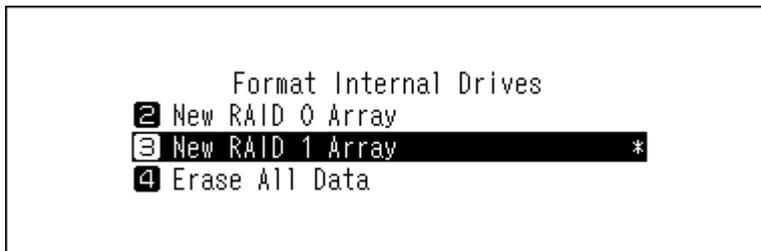
3 Press the Down button () and select “Drive”, then press the Menu/Enter button ().



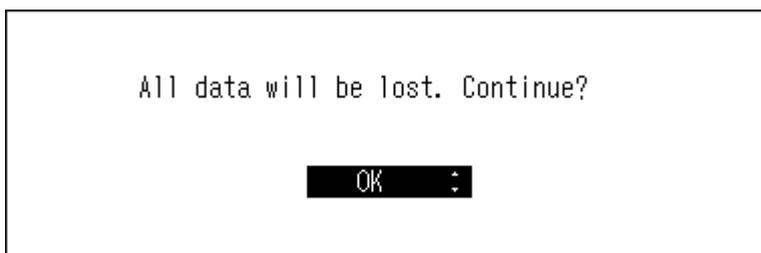
4 Press the Down button () and select “Format Internal Drives”, then press the Menu/Enter button ().



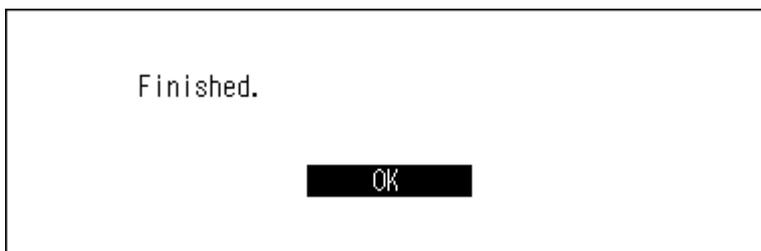
5 Select the current RAID mode and press the Menu/Enter button ().



6 The message “All data will be lost. Continue?” will be displayed. Make sure that all files on the drive can be erased before proceeding. To continue formatting, press the Down button () and select “OK”, then press the Menu/Enter button ().



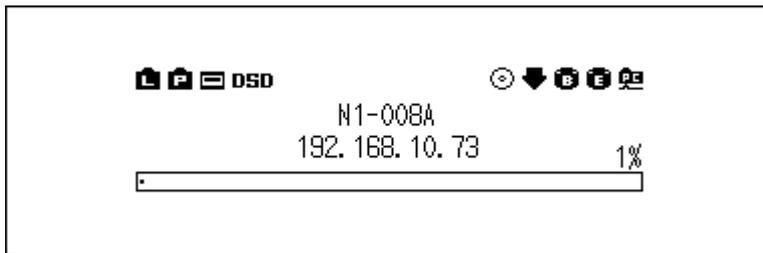
7 When finished, press the Menu/Enter button ().



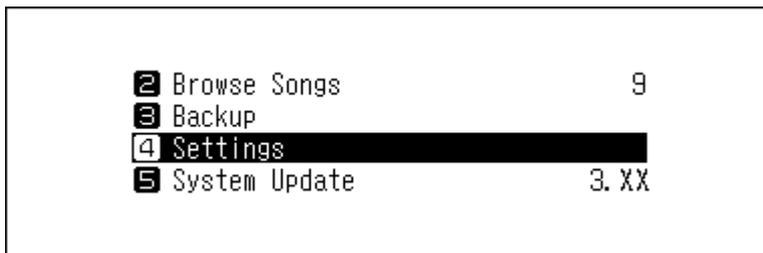
Formatting Connected USB Devices

Formats the USB device connected to the backup port or expansion port. This will format the USB device to NTFS. Be aware that a USB device formatted to NTFS will become read-only when connected to macOS.

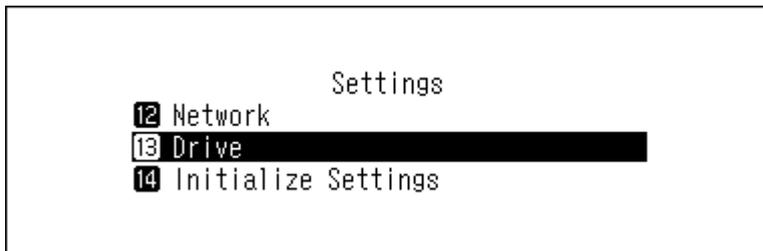
1 Press the Menu/Enter button (↵) to display the menu list at the home screen.



2 Press the Down button (▼) and select "Settings", then press the Menu/Enter button (↵).



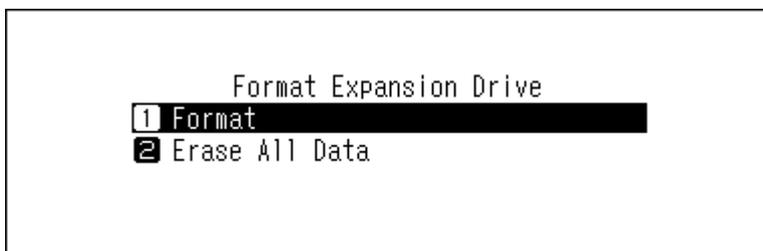
3 Press the Down button (▼) and select "Drive", then press the Menu/Enter button (↵).



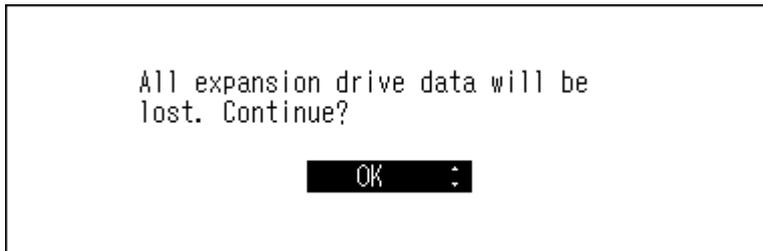
4 Press the Down button (▼) and select either the backup or expansion drive, then press the Menu/Enter button (↵).



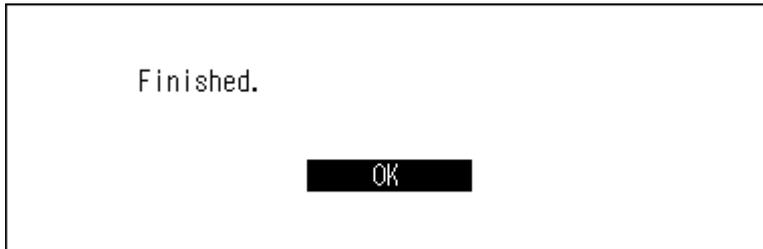
5 Press the Down button (▼) and select "Format", then press the Menu/Enter button (↵).



- 6 The message “All (backup/expansion drive) data will be lost. Continue?” will be displayed. Make sure that all files on the drive can be erased before proceeding. To continue formatting, press the Down button (▼) and select “OK”, then press the Menu/Enter button (↵).



- 7 When finished, press the Menu/Enter button (↵).



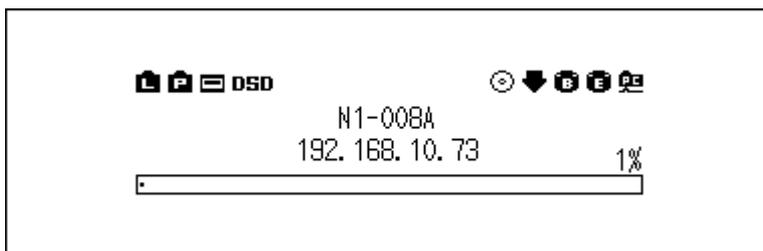
Erasing Data on the N1 Completely

Under some circumstances, data from formatted drives can be recovered. The drive erasure process mentioned in this section does a much more thorough job of erasing data by removing all data from a drive in a way that makes it nearly impossible to recover with current tools. All data on the drives is completely erased.

Note: This erasure process will take a few hours to complete. Make sure the N1 is powered on during the process. Other functions will become unavailable while the erasure process is running.

Typically, follow the procedure in the “Formatting Internal Drives” section above to delete all data on a drive. This procedure below is not recommended for common use.

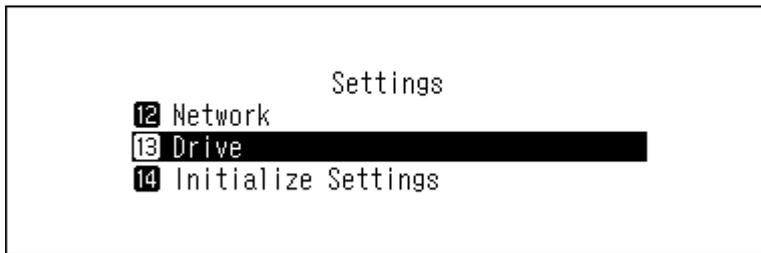
- 1 Press the Menu/Enter button (↵) to display the menu list at the home screen.



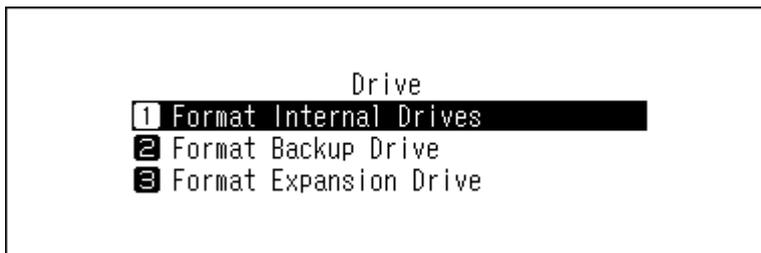
- 2 Press the Down button (▼) and select “Settings”, then press the Menu/Enter button (↵).



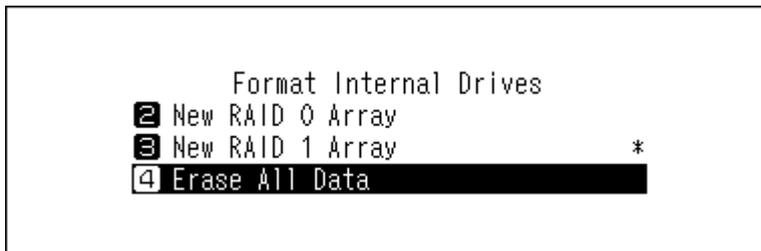
3 Press the Down button (∇) and select "Drive", then press the Menu/Enter button (\hookrightarrow).



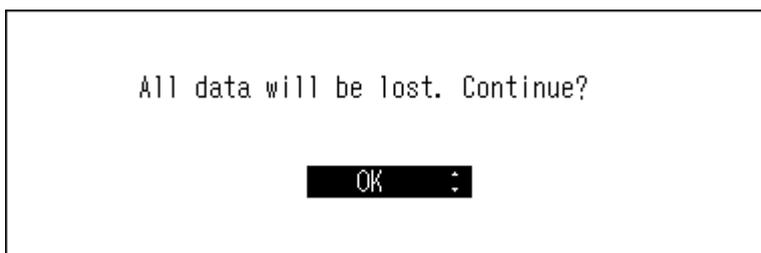
4 Press the Down button (∇) and select the drive for complete for the Menu/Enter button (\hookrightarrow).



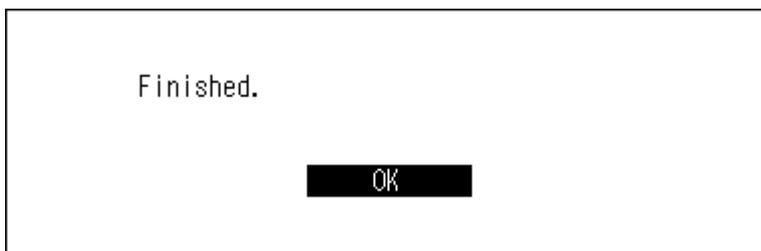
5 Press the Down button (∇) and select "Erase All Data", then press the Menu/Enter button (\hookrightarrow).



6 The message "All (backup/expansion drive) data will be lost. Continue?" will be displayed. Make sure that all files on the drive can be erased before proceeding. To continue formatting, press the Down button (∇) and select "OK", then press the Menu/Enter button (\hookrightarrow).



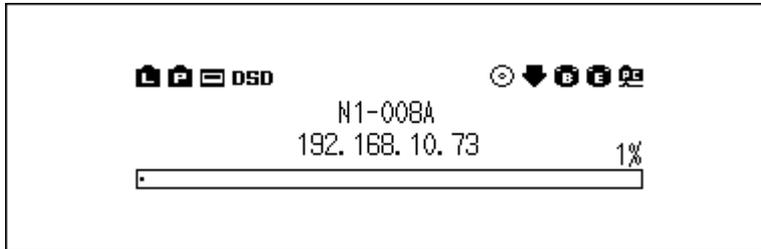
7 When finished, press the Menu/Enter button (\hookrightarrow).



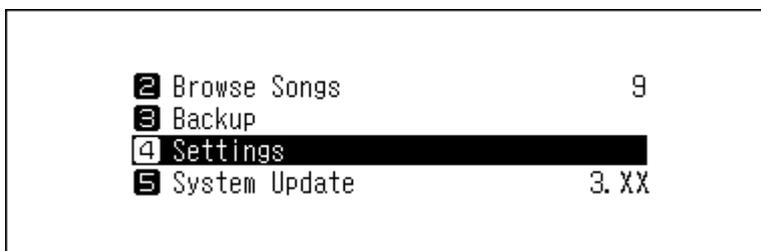
Changing the IP Address

To change the IP address of the N1, follow the procedure below. After the procedure is finished, the N1 will automatically restart and stop any importing or playback operations. We recommend finishing any file import or playback before changing the N1's IP address.

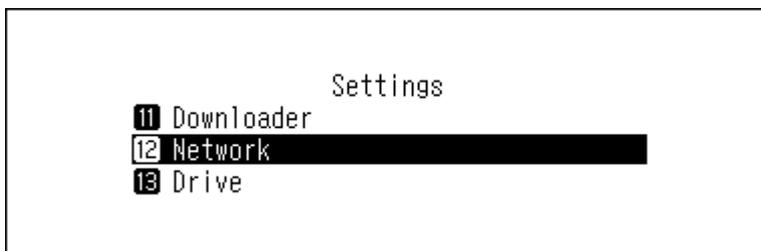
- 1 Press the Menu/Enter button (↵) to display the menu list at the home screen.



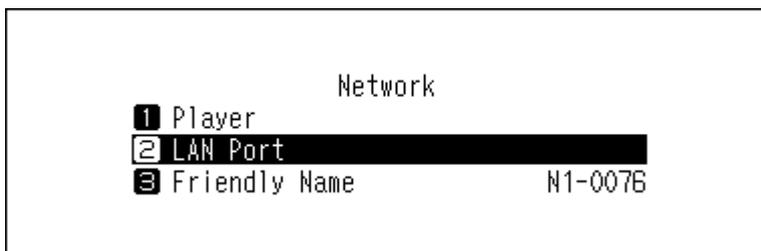
- 2 Press the Down button (▼) and select "Settings", then press the Menu/Enter button (↵).



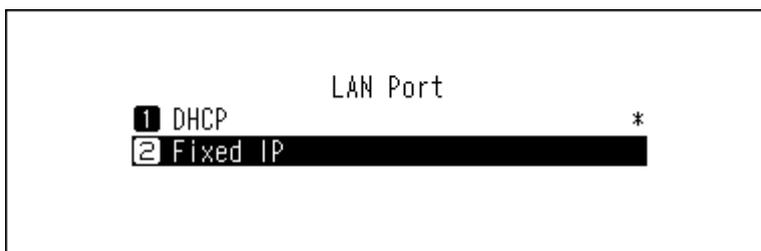
- 3 Press the Down button (▼) and select "Network", then press the Menu/Enter button (↵).



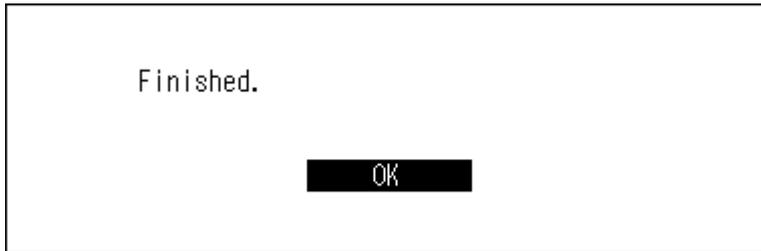
- 4 Press the Down button (▼) and select "LAN Port", then press the Menu/Enter button (↵).



- 5 Select whether to automatically acquire the IP address from the DHCP server or configure a fixed IP address using the Up/Down buttons (▲▼) and press the Menu/Enter ▲ button.



6 When finished, press the Menu/Enter button (↵).



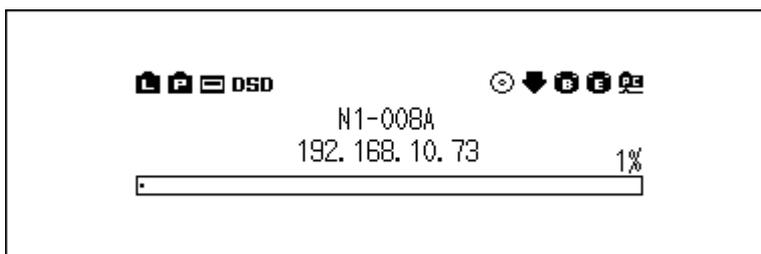
Notes:

- To obtain the IP address from the DHCP server automatically, the DHCP server on the router should also be enabled.
- If “Fixed IP” is selected, enter the desired IP address, subnet mask, default gateway, and DNS server in the displayed screen.

Changing the Friendly Name (Hostname)

To change the friendly name of the N1, follow the procedure below. After the procedure is finished, the N1 needs restarting and stop any importing or playback operations. We recommend finishing any file import or playback before changing the friendly name.

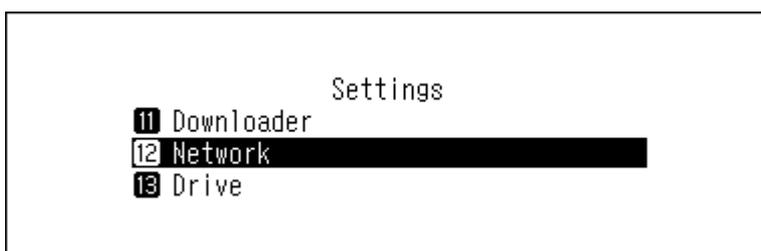
1 Press the Menu/Enter button (↵) to display the menu list at the home screen.



2 Press the Down button (▼) and select “Settings”, then press the Menu/Enter button (↵).



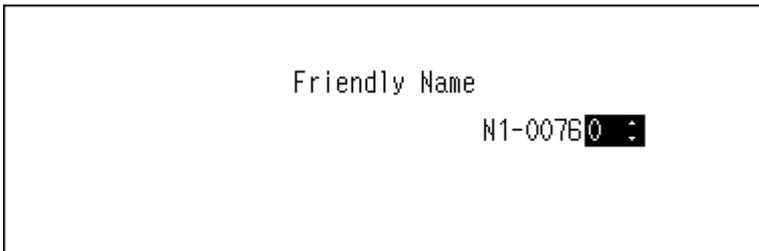
3 Press the Down button (▼) and select “Network”, then press the Menu/Enter button (↵).



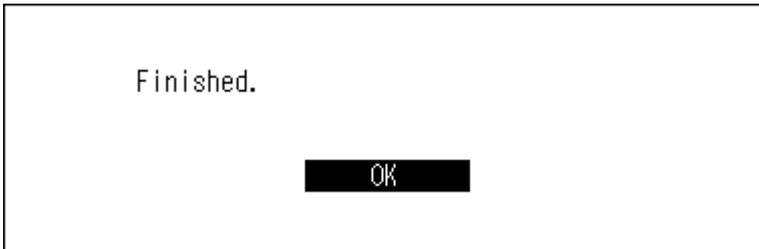
4 Press the Down button (▼) and select “Friendly Name”, then press the Menu/Enter button (↵).



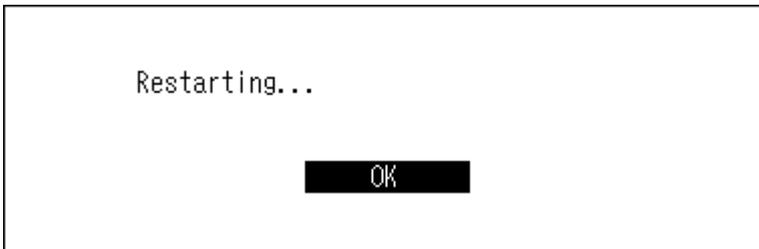
5 Enter the new friendly name using the Up/Down buttons (▲▼), then press the Menu/Enter button (↵).



6 When finished, press the Menu/Enter button (↵).



7 When “Restarting...” is displayed, press the Menu/Enter button (↵). The N1 will restart.



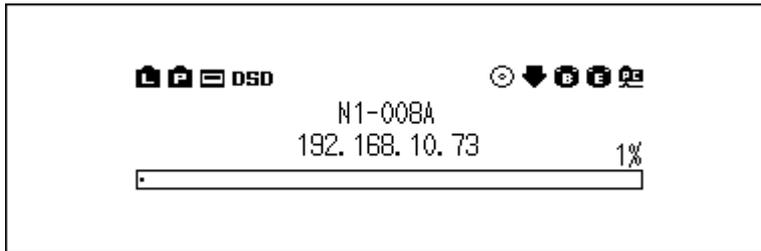
Notes:

- Friendly name may contain 0–9, A–Z, and hyphens (-).
- When you press the Back button (←), the entered characters are deleted from the right side. To change the friendly name, press the Back button (←) and delete all characters except for the first, then enter the new friendly name.
- When you press the Menu/Enter (↵), the entered character is saved and another character can be selected. Press the Menu/Enter button (↵) twice to stop configuring the friendly name.
- If you delete all the characters, the display will go back to the previous screen.

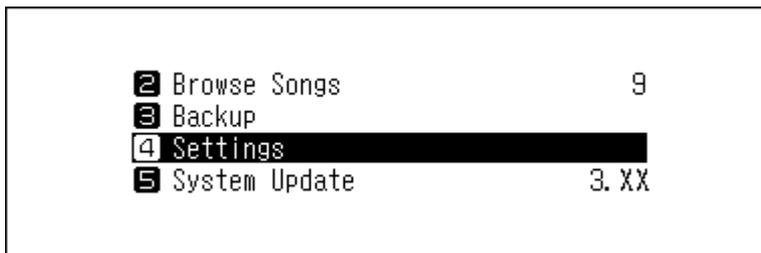
Configuring the Date and Time

To configure the time settings, follow the procedure below.

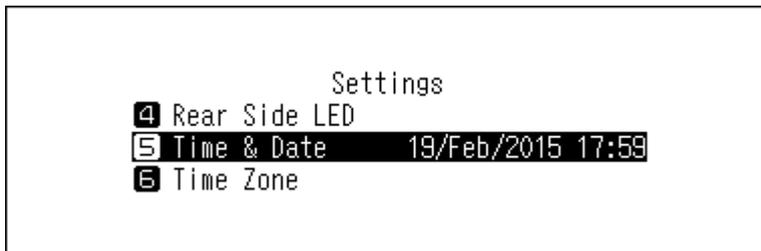
1 Press the Menu/Enter button (↵) to display the menu list at the home screen.



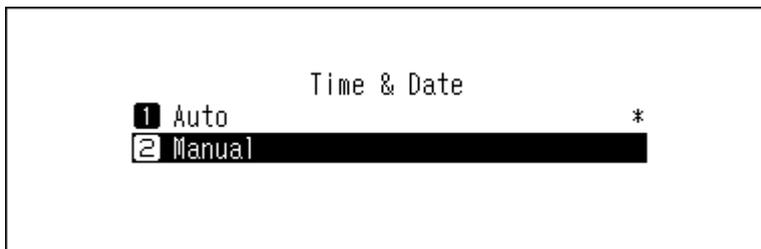
2 Press the Down button (▼) and select "Settings", then press the Menu/Enter button (↵).



3 Press the Down button (▼) and select "Time & Date", then press the Menu/Enter button (↵).

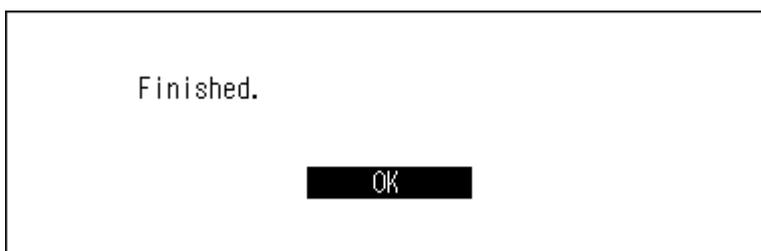


4 Select whether to configure the time settings so that they are either automatically acquired from the NTP server or manually using the Up/Down buttons (▲▼), then press the Menu/Enter ▲ button.



Note: To configure the time settings so that they are acquired from the NTP server, the N1 should be able to connect the Internet.

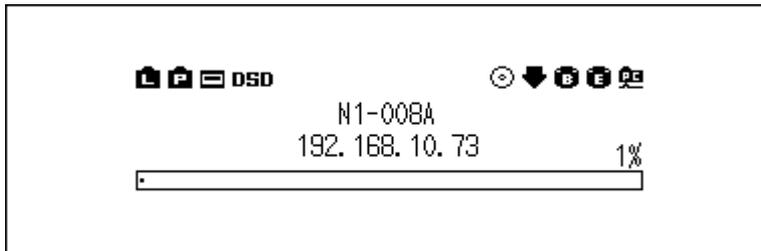
5 When finished, press the Menu/Enter button (↵).



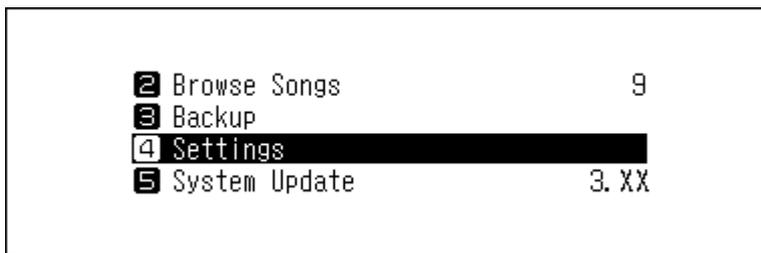
Note: To use features that require an Internet connection such as downloading files from the streaming sites, configure the time settings so that they are acquired from the NTP server.

Changing the Time Zone

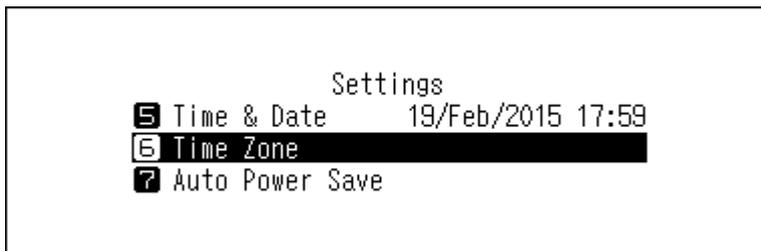
1 Press the Menu/Enter button (↵) to display the menu list at the home screen.



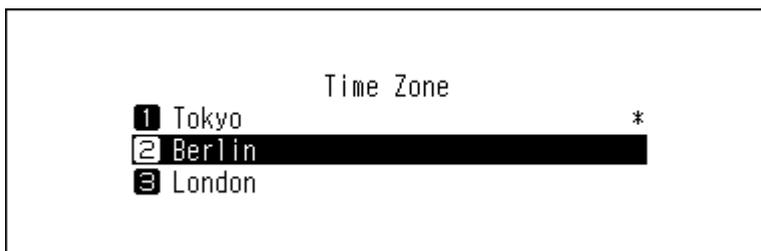
2 Press the Down button (▼) and select "Settings", then press the Menu/Enter button (↵).



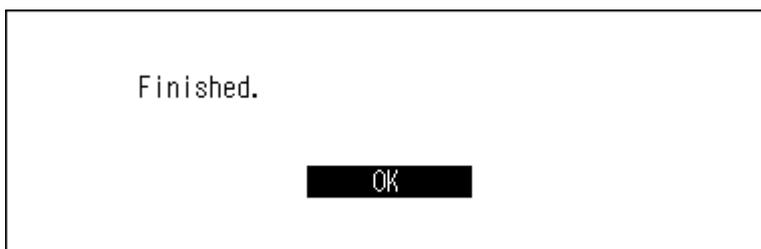
3 Press the Down button (▼) and select "Time Zone", then press the Menu/Enter button (↵).



4 Select the time zone to configure using the Up/Down buttons (▲▼), then press the Menu/Enter button (↵).



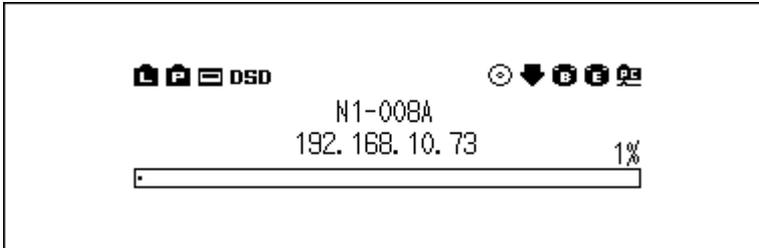
5 When finished, press the Menu/Enter button (↵).



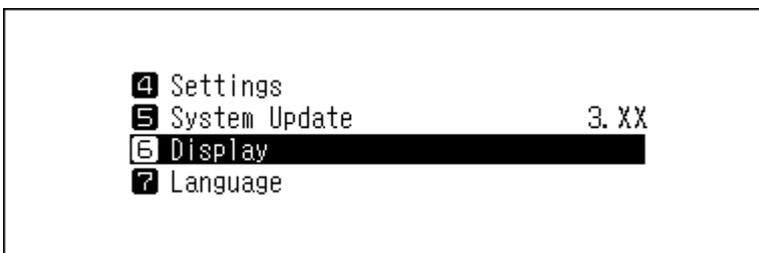
Configuring Display and LED Settings

Changing the Display Brightness

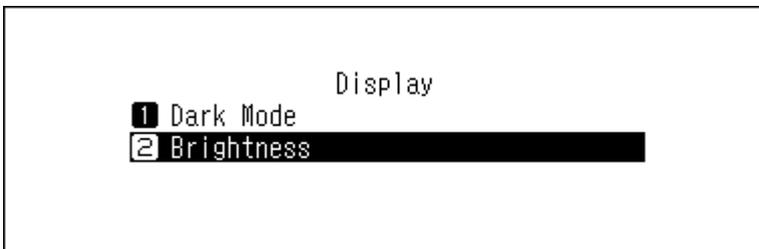
1 Press the Menu/Enter button (↵) to display the menu list at the home screen.



2 Press the Down button (▼) and select "Display", then press the Menu/Enter button (↵).



3 Press the Down button (▼) and select "Brightness", then press the Menu/Enter button (↵). If you select "Dark Mode" on the screen, the display panel turns off. You can also turn off the display panel by pressing and holding the Back button (←) for 2 seconds while at the home screen. While the display panel is off, press any button on the front to relight the display.

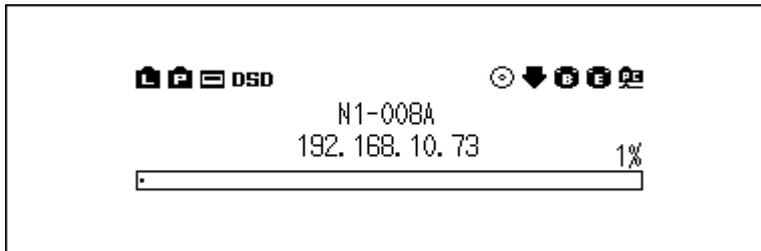


4 Change the brightness using the Up/Down buttons (▲▼), then press the Menu/Enter button (↵).

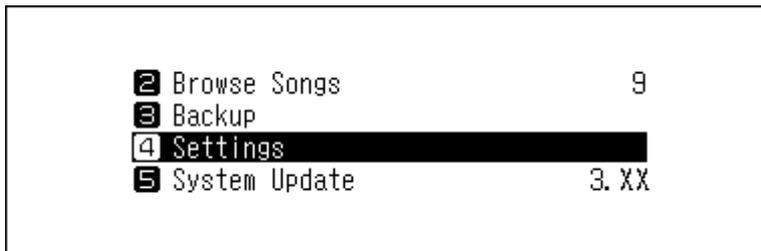


Changing the Power LED Brightness

- 1 Press the Menu/Enter button (↵) to display the menu list at the home screen.



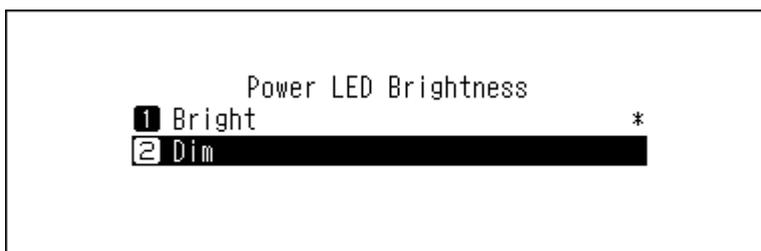
- 2 Press the Down button (▼) and select "Settings", then press the Menu/Enter button (↵).



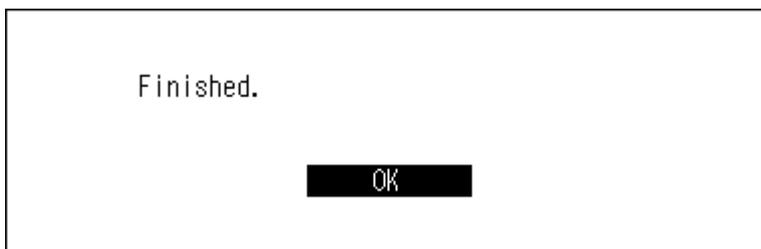
- 3 Press the Down button (▼) and select "Power LED Brightness", then press the Menu/Enter button (↵).



- 4 Select "Bright" or "Dim" using the Up/Down buttons (▲▼), then press the Menu/Enter button (↵).



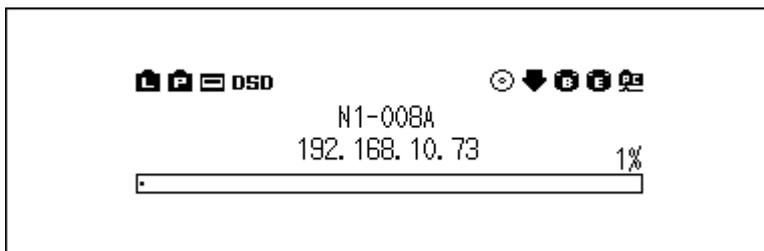
- 5 When finished, press the Menu/Enter button (↵).



Turning Off the Rear-Side LED

The rear-side LED is located at the back of the N1, the LAN and player ports. The LED shows the network activity, so you will not be able to check for network activity if the rear-side LED is turned off. Verify any network activity by checking that the N1 is connected to the network properly beforehand.

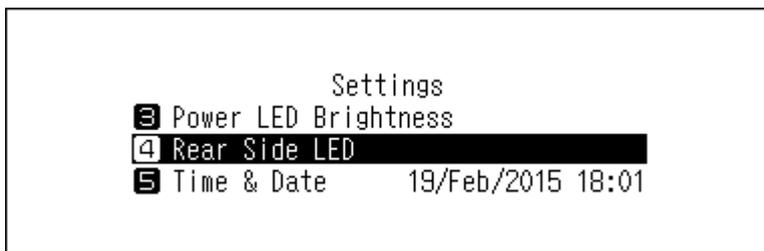
1 Press the Menu/Enter button (↵) to display the menu list at the home screen.



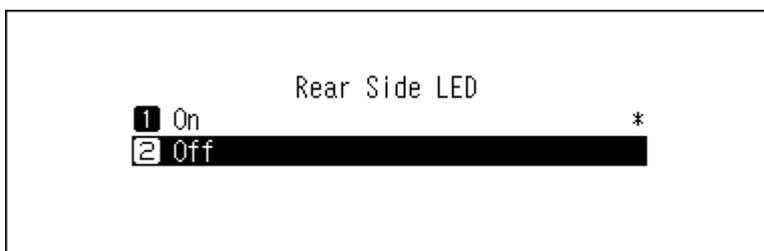
2 Press the Down button (▼) and select "Settings", then press the Menu/Enter button (↵).



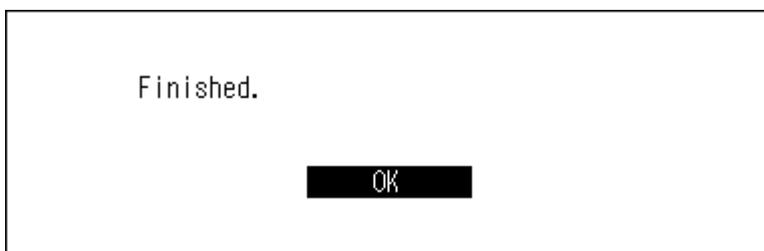
3 Press the Down button (▼) and select "Rear Side LED", then press the Menu/Enter button (↵).



4 Press the Down button (▼) and select "Off", then press the Menu/Enter button (↵).



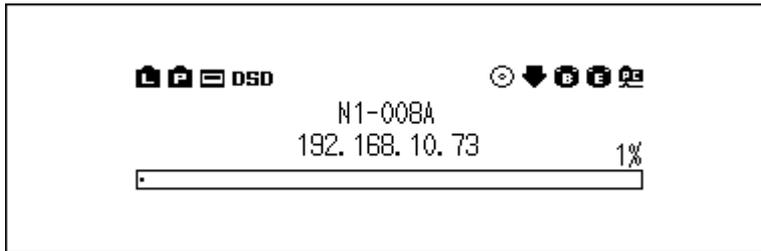
5 When finished, press the Menu/Enter button (↵).



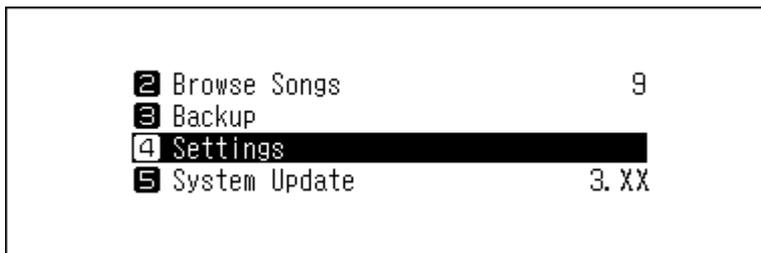
Configuring Automatic Power-Off

If auto power save is enabled, the N1 will automatically power off after music stops playing and a specific amount of time passes. Auto power save will not shut off the N1 while the Network Audio Player that is connected to the player port is on or while a USB-DAC or an optical drive is connected. To change the time settings for auto power save or to turn it off, follow the procedure below.

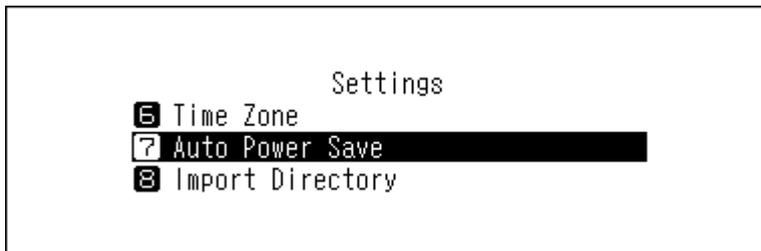
1 Press the Menu/Enter button (↵) to display the menu list at the home screen.



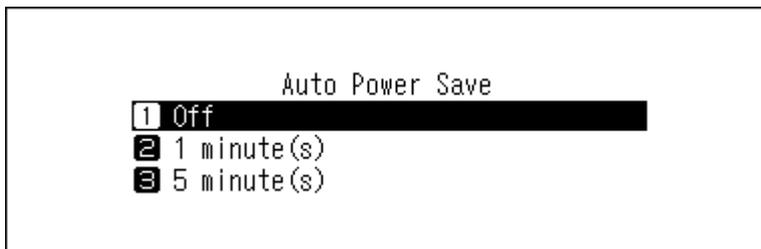
2 Press the Down button (▼) and select "Settings", then press the Menu/Enter button (↵).



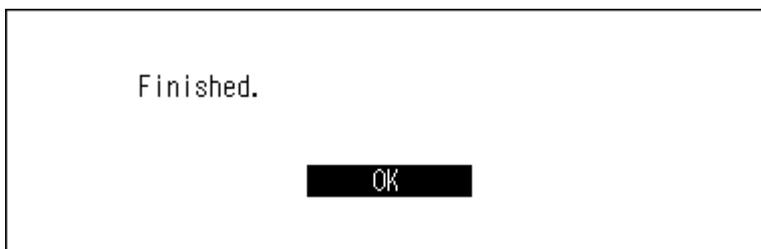
3 Press the Down button (▼) and select "Auto Power Save", then press the Menu/Enter button (↵).



4 Select the desired time setting using the Up/Down buttons (▲▼), then press the Menu/Enter button (↵).



5 When finished, press the Menu/Enter button (↵).

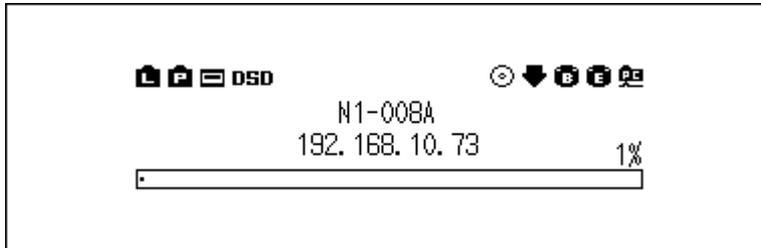


If the N1 is powered off by auto power save, the power button will not automatically revert to the **off** position. To turn the N1 on, press the power button to return it to the **off** position, and then press it again to power on the device.

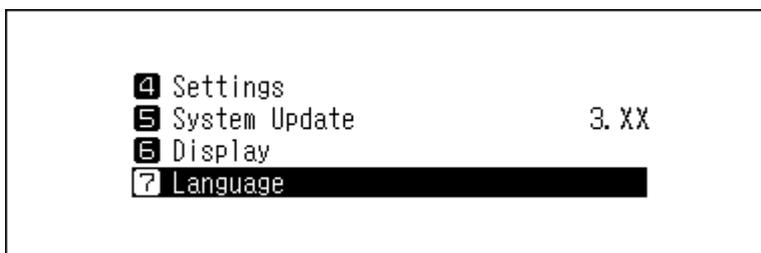
Changing the Display Language

To change the display language, follow the procedure below. After the procedure is finished, the N1 will stop any file playback. We recommend finishing any file playback before changing the display language.

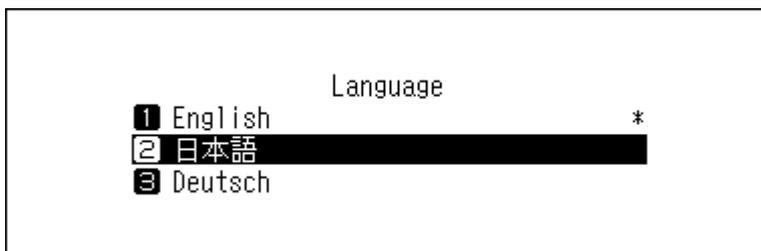
- 1 Press the Menu/Enter button (↵) to display the menu list at the home screen.



- 2 Press the Down button (▼) and select "Language", then press the Menu/Enter button (↵).



- 3 Select the language using the Up/Down buttons (▲▼), then press the Menu/Enter button (↵).



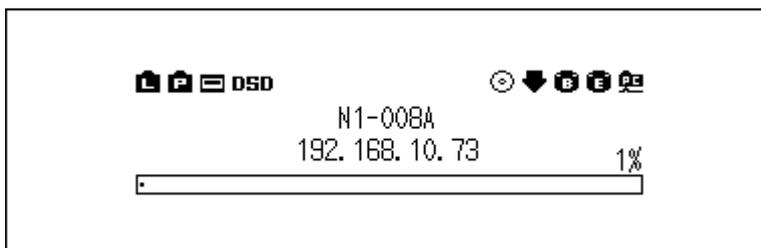
Updating the Firmware

To update the N1's firmware version to the latest one, follow the procedure below.

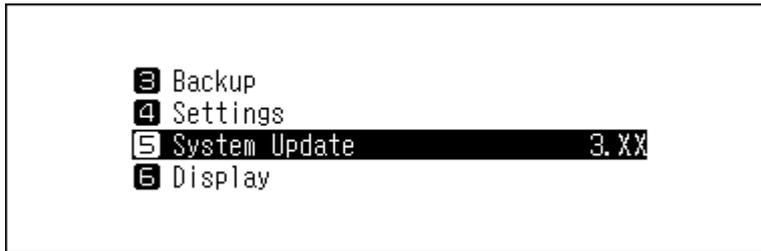
Updating via the Network

Note: To update the firmware via the network, the N1 should be connected to the Internet. If the N1 is in direct mode, use another Ethernet cable and connect it to the LAN port and the router.

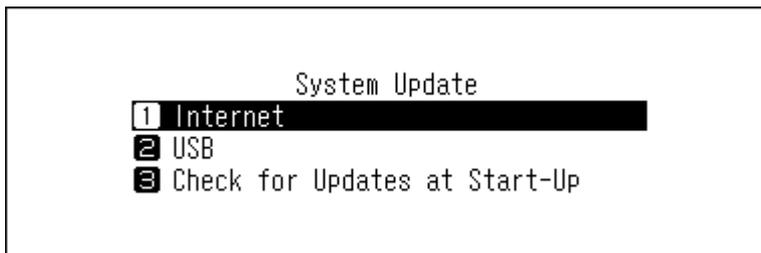
- 1 Press the Menu/Enter button (↵) to display the menu list at the home screen.



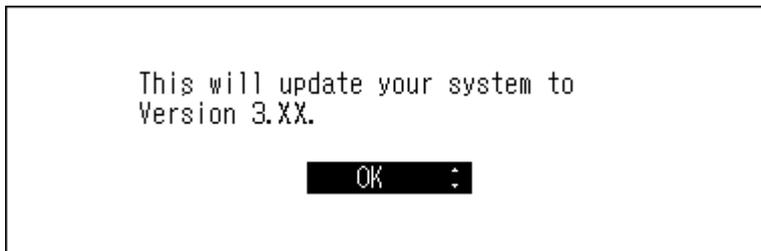
- 2 Press the Down button (√) and select "System Update", then press the Menu/Enter button (↵).



- 3 Press the Down button (√) and select "Internet", then press the Menu/Enter button (↵).



- 4 Press the Down button (√) and select "OK", then press the Menu/Enter button (↵).



- 5 The N1 will restart. Wait until the home screen is displayed.

- 6 Turn off the N1 first, then disconnect the USB device.

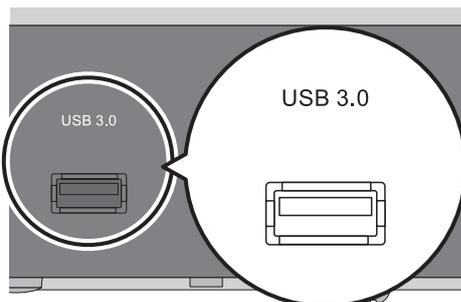
Note: If you want to disconnect the device while the N1 is on, change the functions to off from *Settings > Media Server > Twonky Service* and *Settings > SMB File Sharing* before disconnecting.

Updating from the USB Device

- 1 Download the latest firmware from melco-audio.com.

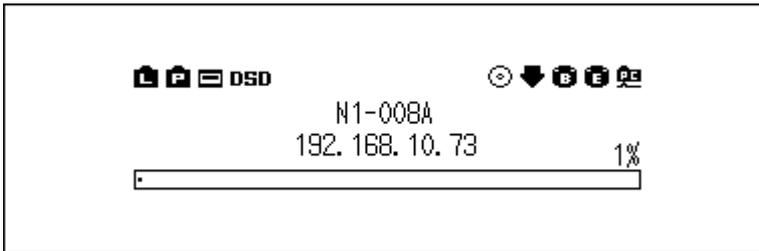
- 2 Extract the downloaded file and copy "audionas_ha_n1_updater.bin" file from the extracted folder to the USB device (root directory).

- 3 Connect the USB device to the USB 3.0 port.

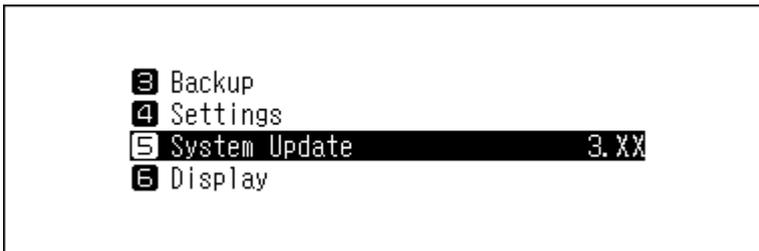


- 4 If the importing from USB port screen is displayed, press the Back button (⏪).

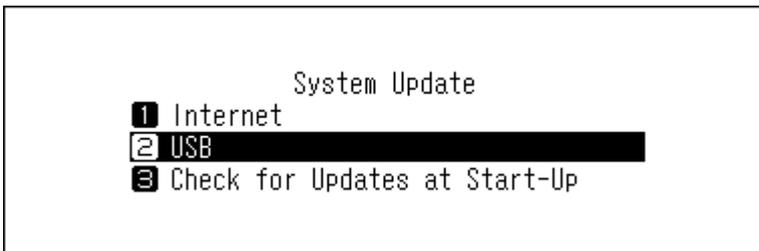
5 Press the Menu/Enter button (↵) to display the menu list at the home screen.



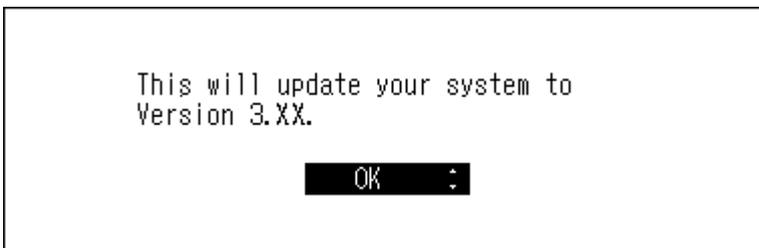
6 Press the Down button (▼) and select "System Update", then press the Menu/Enter button (↵).



7 Press the Down button (▼) and select "USB", then press the Menu/Enter button (↵).



8 Press the Down button (▼) and select "OK", then press the Menu/Enter button (↵).

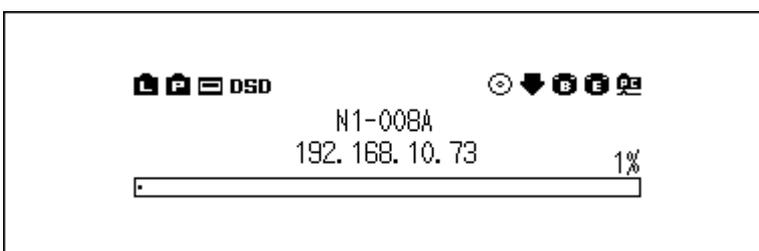


9 The N1 will restart. Wait until the home screen is displayed.

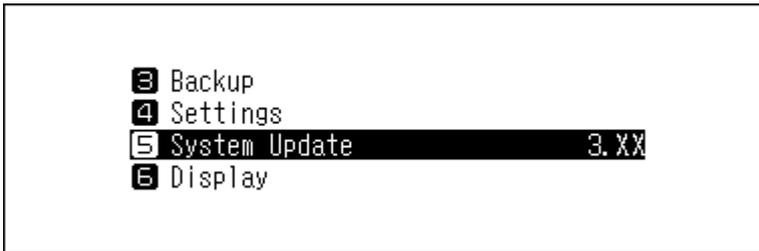
Checking for Updates Automatically

The N1 can check if newer firmware is released when turning on the N1. If new firmware is detected, you can continue to update the firmware. To enable checking for firmware releases automatically, follow the procedure below.

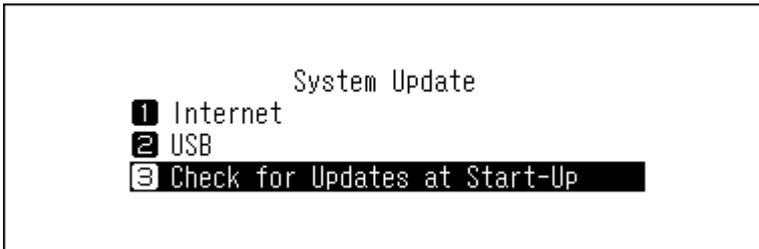
1 Press the Menu/Enter button (↵) to display the menu list at the home screen.



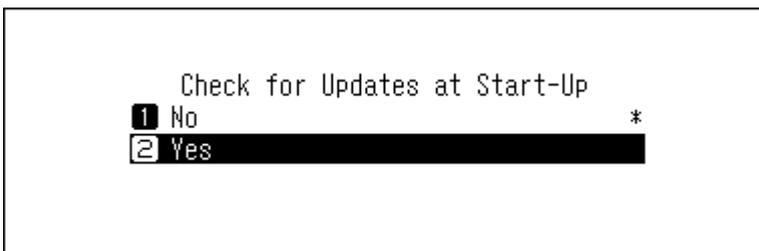
- 2** Press the Down button (∇) and select "System Update", then press the Menu/Enter button (\hookrightarrow).



- 3** Press the Down button (∇) and select "Check for Updates at Start-Up", then press the Menu/Enter button (\hookrightarrow).



- 4** Press the Down button (∇) and select "Yes", then press the Menu/Enter button (\hookrightarrow).



Enabling the firmware check is finished. The unit will check for new firmware releases on the next startup.

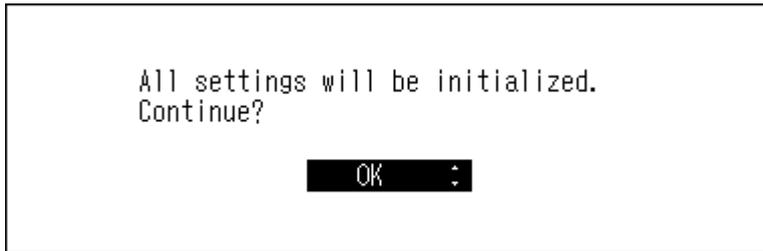
Restoring Factory Defaults

To initialize the N1 to its factory default settings, follow the procedure below. The operation above only initializes the settings. Data will not be affected.

- 1** Turn off the N1.
- 2** Turn on the N1 while pressing the Down button (∇). After the "MELCO" logo disappears, let go of the Down button (∇). The setting initialization screen will be displayed.
- If you go to *Settings > Initialize Settings* on the display panel, the same screen will be displayed.



3 Press the Down button () and select "OK", then press the Menu/Enter button ().



The device settings will revert to the factory defaults.

Chapter 4 Appendix

Menu List

From the front display panel, the following options are available.

Status

Internal Drives	Displays the total capacity, used capacity, and usage percentage of the internal drives.
External Drives	Displays the total capacity, used capacity, and usage percentage of the connected external drive.
Songs	Displays the number of imported music files.
Music Database	Displays the current status of the imported music file database after it is scanned.
Time & Date	Displays current time and date.
Network	LAN: Displays the network settings of the LAN port labelled "LAN", such as IP address, MAC address, link speed, and the Internet connection status. Player: Displays the network settings of the LAN port labelled "PLAYER", such as IP address, MAC address, and link speed.
System Software	Displays the version of the firmware installed on the N1.
Media Server	Displays the media server's version.
Downloader	Displays whether downloader is enabled. When downloader is configured, it will show either the account of a streaming site or the connection status between the streaming site and the N1 unit.

Browse Songs

Displays music lists that have been imported to the N1 or are currently on the expansion USB drive. After selecting a music file and then "Play", you can play the music file on a USB-DAC.

The number of available music files to play on a USB-DAC will be displayed on the menu list, to the right of "Browse Songs".

Backup

Start Backup	Backs up music files on the N1 to the USB device that is connected to the port labelled "BACKUP".
Restore from Backup	Restore Settings: Restores the settings from the USB device. Restore Data: Restores the backup music files in the USB device to the N1.
Backup History	Displays the backup history of any previous backups.
Format	Formats the USB device that is connected to the backup port.

Settings

SMB File Sharing

Sets to "On" when copying music from the computer.

Media Server

Update Music Database	Updates the music database of the imported music files. If the music files are not listed properly on the Network Audio Player, update the music database.
Indexview For Client	Customizes navigation trees. Default: This is the default settings by shipping. No Indexes: This is the best option when there are fewer music files on the N1. Artists index, album index, composer index, and title index will be hidden. Force Indexes: This is the best option when there are many music files on the N1 or playing music files on smartphones or the N1. Artists, album, and composer will be hidden.
Duplicate removal for Title	If enabled, and files that have the same title, artist, size, and format information are found, these files are considered to be the same file so only one file will appear on the file list. If disabled, even files that are considered exactly the same, both files will appear on the file list so you may see multiple files with the same song title.
Twonky Service	Enables or disables media server service. If disabled, music files on the N1 cannot be played back. When disconnecting the attached USB device while the N1 is on, disable media server service.

Power LED Brightness

Changes the brightness of the power LED at the front.

Rear Side LED

Configure whether to turn off the rear LAN and player port LEDs.

Time & Date

Configure the time settings of the N1.

Auto	Configures the time settings acquired from the NTP server via the Internet.
Manual	Configures the time settings manually.

Time Zone

Configure the time zone for date and time settings.

Auto Power Save

Configure whether to shut down the N1 automatically if the music stops playing and a specific amount of time passes. You can select from off, 1 minute, 5 minutes, 15 minutes, and 20 minutes.

Notes:

- The N1 will not be powered down while playing music.
- If the N1 is accessed from a Network Audio Player or computer, it will not be powered down even after the specified time passes.

Import Directory

Configure whether to create a folder that contains the import date in the folder name when importing.

Date	Creates a folder within the “import” folder to store the imported files from the connected USB device. The folder name will contain the import date. Imported files may contain duplicates in the N1 if the same files are on the USB device.
All	Imports all updated files to the “all” folder within the “import” folder on the N1. If a file has no updated information, that file will not be imported.

USB-DAC

Configure settings to convert DSD files using a USB-DAC.

Controller	Configures the mode to stream music using controller apps.
Playback Mode	Configures the playback mode if playing DSD files on the N1 using a USB-DAC. If playing DSD files without converting them, select “Standard”. This mode will select the playback mode between Markerless DSD playback or DoP (DSD over PCM) playback for the DSD files automatically. Use this mode normally. If you prefer the DoP playback, select “DSD over PCM priority mode”. If the connected USB-DAC only supports PCM, select “PCM only”. If you want to use the render engine that was installed on firmware version 3.21 or earlier, select “Legacy”.
PrecisionStart Latency	Configures a gap time that precedes a playlist track. This also solves an issue that occurs with specific USB-DAC devices.

CD Drive

Configure settings to import music files from a music CD using an optical drive.

Import File Format	Selects import file formats from either “FLAC” or “WAV”. If you select “FLAC”, configure the compression level used when importing music files as well. Available compression levels are below. Low Compression: Compression time is less than standard compression. The resulting file quality corresponds to FLAC 0. Standard Compression: Compression time is not as long and the size remains average. This is the same as common FLAC file format. The resulting file quality corresponds to FLAC 5. High Compression: Compression time is longer but the resulting file size is smaller. The resulting file quality corresponds to FLAC 8.
Maximum Read Count	Configures the number of times a CD will be read when inserted into the N1.
Advanced Drive Optimization	Configures the read sample offset correction values between “-2000” to “+2000”. This value will vary depending on what type of CD drive you use. It is configured to “±0” by default. This doesn’t need to be changed normally.

Downloader

Enable or disable auto download, and add or remove a streaming site account for downloading music files.

Auto Download	Enables or disables auto download.
Account Settings	Adds, edits, or deletes a streaming site account for auto download. Currently, the N1 supports accounts from HIGHRESAUDIO, OTOTOY, e-onkyo music, and mora. After adding the account, music files purchased at the streaming site will be downloaded to the N1 automatically.

Network

Player	Selects "Network Mode" if the N1's LAN port is connected to the router. If directly connecting the N1 and the Network Audio Player, select "Direct Mode".
LAN Port	Configures whether to automatically acquire the IP address from a DHCP server or enter it manually. If "Fixed IP" is selected, enter the IP address, subnet mask, default gateway, and DNS server.
Friendly Name	Changes the friendly name (hostname) of the N1.

Drive

Format Internal Drives	Formats the internal drives of the N1. When formatting, you can change the current RAID mode to a spanned, RAID 0, or RAID 1 array. If you select "Erase All Data", all data on the drives will be completely erased. Data removed this way will be nearly impossible to recover with the current tools.
Format Backup Drive	Formats the USB device connected to the backup port. If you select "Erase All Data", all data on the drives will be completely erased. Data removed this way will be nearly impossible to recover with the current tools.
Format Expansion Drive	Formats the USB device connected to the expansion port. If you select "Erase All Data", all data on the drives will be completely erased. Data removed this way will be nearly impossible to recover with the current tools.
Format Expansion 2 Drive	Formats the USB device connected to the front USB port on the N1A model. If you select "Erase All Data", all data on the drives will be completely erased. Data removed this way will be nearly impossible to recover with the current tools.

Initialize Settings

Restores the N1 settings to the factory default.

System Update

Internet	Updates the N1's firmware to the latest version via the Internet. Refer to the "Updating via the Network" section in chapter 3 for the procedure to update the firmware.
USB	Updates the N1's firmware to the latest version using a USB device that contains the firmware file. Refer to the "Updating from the USB Device" section in chapter 3 for the procedure to update the firmware.
Check for Updates at Start-Up	Enables or disables checking for a new firmware release when turning on the N1.

Display

Dark Mode	Turns off the display panel. If you press any buttons on the N1 while the display panel is off, the display panel turns on.
Brightness	Changes the brightness of the display panel.

Language

English	Changes the display language to English.
日本語	Changes the display language to Japanese.
Deutsch	Changes the display language to German.
Français	Changes the display language to French.
Italiano	Changes the display language to Italian.
Español	Changes the display language to Spanish.

Support

This menu is used for user assistance.

Create Archive	Analyzes the N1's operating environment and archives the data to a file with the ".sendme" file extension. The archived file will be saved into the shared folder on the N1. We may ask you to send it to us it when contacting us. We don't recommend creating archives while playback.
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Error Codes

If any of the following error codes are displayed on the N1's display panel, try the corrective actions.

Error	Respective Corrective Actions
010–012 No backup found.	Make sure the USB device that contains backup data is connected to the backup port.
020 Friendly name is too short.	The friendly name has not been configured. Enter the friendly name. The friendly name should be between 1–15 characters.
021 Friendly name is too long.	The entered friendly name must be 15 characters or shorter.
030 Not enough space on drive.	Delete extra files on the copy target device.
031 Some files not copied.	Files in the copy source device may be corrupted.
033 I/O error.	The connected USB device may be malfunctioning. If connecting a USB drive, connect it to a computer and run a drive check.
034 Could not erase data.	The drive to be formatted may be malfunctioning.
040, 041 Updater not found.	Make sure the N1 is connected to the Internet or the updater is saved on the connected USB device.
042–044 Update error.	The updater file may be corrupted. Try the update again, or download a new updater file from melco-audio.com .
091 No external drive available.	Make sure the USB device is connected to the N1.
094 No response from NTP server.	Put the N1 on a network that can access the Internet.
101 Could not mount drive.	The USB device may be malfunctioning or the drive format is not supported.
102 Could not dismount drive.	The USB device is possibly being accessed at this time.
103 Could not format drive.	The formatted device may be malfunctioning.

Error	Respective Corrective Actions
104 Could not form partition.	The device may be malfunctioning or is not supported.
110 Internal drive not found.	Try restarting the N1. If the message is still displayed, contact our technical support for assistance.
111 Usable internal drive not found.	
112 Internal drive not found.	
113 Internal drive 1 not found.	
114 Internal drive 2 not found.	
120 USB drive not found.	The connected USB device may be malfunctioning. Try another USB device.
121 USB drive not mounted.	
130 No expansion drive available.	Make sure the USB device that contains backup data is connected to the expansion port.
140 No backup drive found.	Make sure the USB device that contains backup data is connected to the backup port.
141 Backup drive not mounted.	
150 Could not create RAID.	If this message appears, contact our technical support for assistance.
151 Could not rebuild RAID.	
153 Could not rebuild system.	
154 Could not rebuild data.	
200 No accounts found.	Add an account.
203 Could not connect to the site.	Put the N1 on a network that can access the Internet.
204 Authentication error.	Make sure that the username and password are correct.
300 This CD's music data is currently unavailable.	The music database server may be under maintenance. Please wait for a while and try again later.