

Installation

There are 2 ways to get Euphony:

- Buy Euphony Drive SSD with pre-installed Euphony system
- Download and install Euphony System image to your USB and boot from it.

Euphony Drive

When you buy Euphony Drive SSD with pre-installed Euphony Audio Transport you only need to physically install SSD into your machine. If you are up to it you can do this yourself or you can contact your local pc shop/service to do it for you.

Then just boot your machine and check 'Usage' section of this article to learn how to access it.

Image download

We also provide Euphony System image which needs to be downloaded and written to a USB drive. To facilitate this we made a process simple by providing you with little program which will do both this things for you. Follow the procedure.

1. Get [Euphony Downloader for Windows](#), unzip the downloaded file and double click on **EuphonyDownloader.exe** icon.
2. Insert an empty USB device (min. 4GB) and select corresponding drive in Euphony Downloader.
3. Click GO! and wait until Euphony image is downloaded and written to your USB device.
4. Insert the USB device into your target PC/Music server and power it on. If your machine is not set-up (in BIOS) to boot from USB first then you need to connect monitor and keyboard to your device and interrupt boot process (usually with F2 key for PC based devices) then choose the USB device with Euphony on it from boot menu.
5. After the boot process is finished, Euphony system is available at the address: <http://euphony.local>. Open your browser on another PC and enter this address.
6. Register Euphony by entering a valid voucher code (received by buying Euphony Licence on this site) or enter "TRIAL" instead of a voucher code to try Euphony for 30 days.

We recommend that you use **Install** function immediately to install Euphony on your internal drive and boot from it. You will not be able to do updates of Euphony system that is made by this Image download procedure.

Registration

Unregistered version has limited functionality: playback service is restarted periodically and some settings are not available. Euphony can be registered if you have a valid voucher code (received together with SSD you bought) or obtained via our site by buying Euphony licence.

You can try Euphony for free for 30 days if you use voucher code: 'TRIAL'.

Usage

Access

Couple of important notices:

1. If your system boots by default from drive you have Euphony on, then **you don't ever need to connect keyboard or monitor** to your Euphony device.
2. Your Euphony device must be connected to your local network via ethernet cable.
3. Registered Euphony must have access to internet to function properly.

Main control/playback interface to Euphony is the **Euphony Web Application**. It can be accessed by visiting web address: <http://euphony> (or <http://euphony.local> for MAC) on your main PC device/laptop or your tablet/smartphone. Euphony web app is optimized well for mobile use.

**It is possible your Android device won't find euphony device by it's name. To remedy this go to <http://euphony-audio.com/launch-euphony/> and tap on a big launch button in the middle. (Your Euphony device must have had access to internet during boot-up for this to work.)

Music Services

Euphony Audio Transport is designed to present a complete solution: it can function as a Music library and a Music Player and it will give absolute best sound in this configuration. Besides that it also offers several other popular options:

MPD

MPD (Music Player Daemon) is default Music Service which provide both: music library role and music player role.

For playback control, beside our web application, you can use your favorite MPD client: i.e. MPDroid for Android, MPoD/MPaD for iOS or Cantata as desktop solution.

We also offer customized MPDroid version: **Euphony Remote**, adapted to work closely with Euphony system: (DOWNLOAD).

Roon Server

If bought pre-installed on SSD drive, Euphony offers Roon Server (also called: Roon Core component in Roon architecture) option. To control music library and music playback you will use your preferred Roon Client.

If you choose to leave default music library folder (/data/Music) in Roon then you can manage your songs the same way as for MPD option.

Squeezelite

Euphony can also function as a squeezelite end-point for SqueezeBox/LMS.

Squeezelite does not have any user interface of its own and must be controlled via Logitech Media Server's web interface or another Logitech Media Server client.

One of notable clients is **Roon** which also can connect to squeezelite endpoint and is tested to work well with Euphony system.

Networkaudio

Euphony system becomes networkaudio endpoint. Use HQPlayer to manage your music library and connect to this endpoint.

Network Audio Adapter or **NAA** is a way to expose remote audio devices to **HQPlayer** over asynchronous network link. It is just an audio "renderer" with support for number of different audio endpoint devices. Playback by NAA is completely clocked by the audio endpoint device and NAA performs only buffering, no decoding or processing at all.

Music library

If you chose MPD or Roon Server then you need control over your music library.

Euphony system includes couple of songs for quick testing. To add more songs to music library you can:

- Attach external USB storage
- Add network shares (NFS or SMB) via Euphony Web Application

To manage your songs and files on disk use Euphony **File Manager**. Access it on web address:

<http://euphony:8080> (or <http://euphony.local:8080> on MAC). Link is also available in Euphony Web App menu: Tools.

Attached USBs and network shares will appear in File Manager as additional drives. Use File Manager's Copy function to copy desired songs/directories to '**Euphony Drive**'. **Euphony Drive** is location that Music Service will scan and add content to Music library.

Euphony Drive can also be shared for access from Windows. To enable that head over to Menu->Tools->Settings, Music Library section, and enable **SAMBA server** option.

Euphony Web App

Euphony Web Application allows you to:

1. Choose Music Service in use
2. Adjust settings (system wide or related to particular service)
3. Browse music library and control playback (if MPD is music service in use)

Static parts of all application pages are header and footer.

Header contains logo and product name, status indication icon and Tools Menu.

Footer contains cover photo of currently playing (or paused) song's album and playback controls. Playback controls can be expanded (by clicking on vertical dots icon) to show song seek and volume (if available) controls and additional playback flags.

Application has three main pages: *Home*, *Library* and *Settings*

Home

The screenshot displays the Euphony web interface. At the top left, there is a logo for 'euphony' and a 'trial (1 days)' indicator. A 'Tools' menu is visible in the top right. The main header features the text 'EUPHONY - Time perfect streaming to your DAC' and the URL 'http://euphony-audio.com'. Below this is a blue button labeled 'Select audio system'. The main content area lists four audio system options: 'MPD' (marked as 'Active'), 'Roon Server', 'SqueezeLite (Roon or LMS)', and 'Networkaudio (HQPlayer)'. Each option includes a brief description. At the bottom of this section is an orange 'Change' button. Below the options are two more blue buttons: 'System info' and 'Music Service info'. The bottom of the interface shows a music player with album art, track information '88 & 101 | Symphony Hob. 1: 88 "The Letter V" in G Major', and playback controls.

Functions:

1. Select audio system
2. Display System information
3. Display connected Sound Card information

Music Library/Playback/Queue

The screenshot displays the Euphony music application interface. At the top, the Euphony logo and a 'trial (1 days)' badge are visible on the left, and a 'Tools' menu is on the right. Below the header is a navigation bar with 'Albums' selected and a search bar. The main area is a grid of album covers, each with a three-dot menu icon in the top right corner. The covers include:

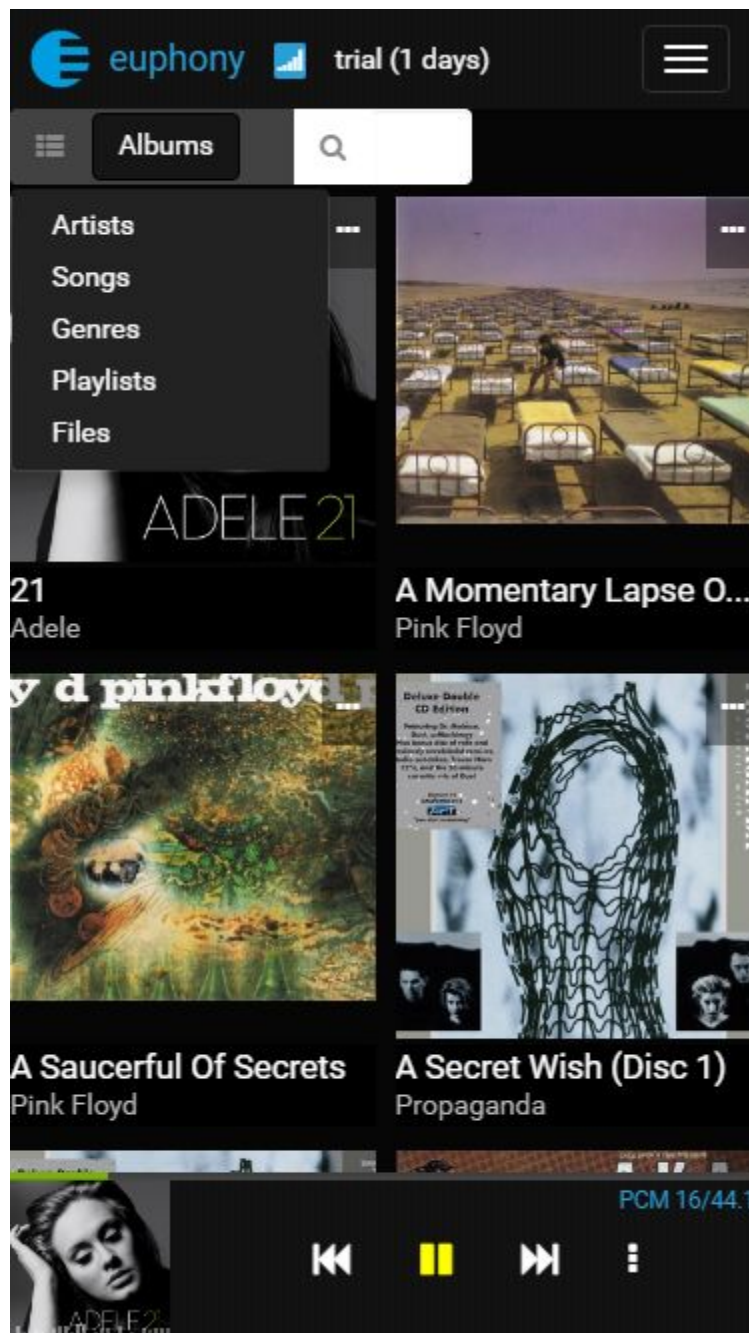
- Adele's '21'
- Pink Floyd's 'A Momentary Lapse of Reason'
- Pink Floyd's 'A Saucerful of Secrets'
- Propaganda's 'A Secret Wish (Disc 1)'
- Propaganda's 'A Secret Wish (Disc 2)'
- Jay Dee's 'A.K.A. J. YANCEY'
- ACCUPHASE Special Sou...
- Accuphase Sampler Disc
- Akalé Wubé
- Amy Winehouse
- Pink Floyd's 'Animals'
- Jaspar Libuda Trio's 'Aquarius'
- AC/DC

At the bottom, a playback bar shows the current track: 'Symphonies No. 88 & 101 | Symphony Hob. 1: 88 "The Letter V" ii'. Playback controls include a play button, a stop button, and a menu icon.

This page is available if MPD is selected and is accessible if you click on Icon-name part in header.

It actually contains three screens that you can switch between by clicking on the album cover photo in footer:

Library



Depending on your choice this page will display your music library in various views: Albums, Artists, Songs, Genres, Playlists, Files.

Playing Now

The screenshot shows a music player interface with a dark theme. At the top left, the 'euphony' logo and 'trial (1 days)' are visible. At the top right, there is a 'Tools' menu. The main display area features the song title 'Rumor Has It' and a large album cover for Adele's '21'. Below the cover, there are two sections: one for the artist 'Adele' and one for the album '21', each with a small profile picture and a brief biography. A metadata table is located below the album information, and at the bottom, there is a playback progress bar and control buttons (play/pause, stop, next, previous).

Rumor Has It

Adele
Adele Laurie Blue Adkins, (born 5 May 1988), is a Grammy Award-Winning English singer-songwriter from Enfield, North London. Her debut album, 19, was released in January 2008 and entered the UK album chart at #1. The album has since received four-times Platinum certification in the UK and has sold 5,500,000 copies worldwide. The album included the hugely popular song Chasing Pavements. 19 earned Adele two Grammy Awards in February 2009 for Best New Artist and Best Female Pop Vocal Performance. [Read more on Last.fm](#)

21
21 is the second studio album by English singer-songwriter Adele. Released: 19 January 2011
Genre: soul, pop and r&b US Billboard 200: #1 Singles: Rolling in the Deep, Someone Like You, Set Fire to the Rain, Rumour Has It and Turning Tables. [Read more on Last.fm](#).

Date	2011
Genre	Pop
Track	2
Audio (rate:bits:ch)	44100:16:2
Instant bitrate	994kbps

PCM 16/44.1

Displays the song that is currently playing (or paused). It also offers album and artist information with cover photo and some details about playback.

Queue



Displays songs in queue. You can add or remove songs, create or load playlists.

Tools/Settings

Place to change system settings with subsections related to various system aspects:

- Music Service
- Music Library
- Euphony system
- Install
- System Update

- Feature update

Depending on several things some sections may be hidden.

Music Service section is displayed only if MPD is selected.

Music Library section is displayed only if MPD or Roon Server are selected.

Install is available only if system was booted from the drive that has been made by downloading image file from our site. It will be not available on a system made by this install function or on a system that you receive on preinstalled SSD drive that you bought.

Update section will only be displayed for registered users.

Settings

Playback options

DSD

You must choose appropriate option depending on the way your DAC supports native DSD play.

You can choose between:

- Native
- DOP (DSD Over PCM)
- Convert to PCM

Mixer

For Native and DOP DSD playback this will be forced to: 'None' but if you choose DSD option: 'Convert to PCM' then you can choose between:

- Hardware
- Software
- None

Every DAC has it's own quirks so choose what works best for yours.

Max Rate

Some DACS do not report correctly available rates to ALSA system. Use this to select maximum rate that you know your DAC supports.

Maximize ALSA volume

If your playback volume is too low enable this setting. Be careful to always adjust your DAC's knob to avoid speaker damage.

Start Playback Service in paused mode

If not checked then Playback will resume after startup or after Playback Service is restarted (Playback Service needs to be restarted when you change any options in this section)

Gapless mp3 playback

Only needs to be unchecked if you encounter problems while playing mp3 music files.

Auto update MPD database

If checked, system will actively monitor Music folder and all new songs will be immediately added to Music Library. If unchecked you can always manually request database update via command: 'Update music library' in Tools menu.

Buffer before play = 100%

We recommend checking this option for best performance and audio quality. Disable only if you encounter problems with playback.

Music Library

In this section there are 3 subsections:

- Linked Network Shares
- Block devices and partitions

(If you are ever in doubt what certain button does, just hover your mouse over it to view explanation in tooltip.)

Linked Network Shares

Here you can add network shares to the music library and you can see listing of shares you added before. Existing shares can be added directly to Music library (attached to /Music folder) removed back from it (attached to / folder) or deleted altogether (Naturally, only link is deleted, content on network share remains untouched.)

Block devices and partitions

Here are listed your block devices (disks, usb/ssd drives and their partitions). You can see whether they are attached to /data/Music (in Music library) or /data (not in Music library). Of course, you can attach them at either location or detach (eject) them. (Only partitions can be attached, disks are listed for informational purpose.)

Euphony system

If you prefer so, you can change the name of Euphony system as it appears on network. You need to do that if you have multiple Euphony installations running at the same network. If you change it to ie.: 'euphony-bedroom' then you must access Euphony Web App via: <http://euphony-bedroom>.

After changing this option, Euphony system will be restarted. Access it at the changed web address after approximately 30 seconds.

Install

Install option is not available for unregistered installations.

Install option is not available on systems made by this function or on pre-installed SSD drives.

If your first Euphony installation came to you as USB image and you have a dedicated machine for use as Euphony system then you will probably want to have it boot from your machine's hard disk.

You may also want to show Euphony to a friend and put it on his usb. You can perform that installation here. (Note that installation from Euphony Web Application is faster and simpler than writing original Euphony image file)

Install section will not be shown if there are no possible target devices attached (you cannot install it on disk from which you booted the system up).

Important: after starting installation don't leave the Install screen until installation is finished.

WARNING: Install procedure erases all data on selected disk (all partitions). This means that if you do this on a disk that already has Euphony installation, all your data there will be lost (including Music Library).

To update your existing Euphony installation it is better to use Update option.

System Update

Update options are not available for unregistered installations.

Use this to update your existing Euphony installation without losing your configuration and already built Music Library.

Update procedure:

1. Backs up important configuration and state files
2. Overwrite your disk partition with new Euphony image
3. Restore backed up files

Update procedure does not touch your data partition which contains your Music Library.

Feature Update

Update options are not available for unregistered installations.

Some updates will come in a form of **feature update**. This form of update is reserved for simple changes of web application interface or functionality. It will not replace your system

image but only update some files and maybe restart web application server to pick up changes.

Feature update will not appear if you have a pending system update. This means that If you fall way behind it is possible that you will have to do 2 updates. First you will do a System update and after completing that you may also have a pending Feature update with more recent date.