

## UPLPlayer application

The application must be installed on a Windows PC connected to the UPL96ETL.

- Download the file **UPLPlayer-win.zip** from the download link referenced on Github ([github.com/paulstephane/UPLPlayer](https://github.com/paulstephane/UPLPlayer))
- Extract the folder **UPLPlayer** to your PC. This may take a few minutes.
- Run the application **UPLPlayer.exe** from within the folder (the exe file will not run if copied to another location than the UPLPlayer folder).

The application creates a web server on your local network. You will need to authorize access to port 5000 in your firewall software. With the build in Windows firewall, a pop up will automatically be shown when you first run the app.

The following information should then be displayed in the application's window:

- **Web server IP address and port.** Take note of the IP address, as it will be needed to connect to the application's web page and to scan USB drives
- **Database:** The database stores the folders and albums contained in each USB drive. It is located in the Windows user "Documents" folder.
- **UPL port:** computer's port to which the UPL96ETL is connected. The driver must be installed prior to running the UPLPlayer.exe application - refer to the installation instruction provided on ECDesign's web site.
- **Serial port status:** indicates that the application has successfully established a connection to the UPL96ETL

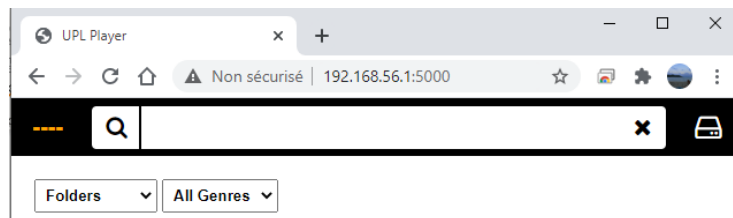
A screenshot of a Windows command prompt window. The title bar shows the file path: C:\Users\Stephane\Documents\WebDev\UPLPlayer\upl-win.exe. The window content displays the following text:

```
Web server: 192.168.56.1:5000
Database: C:\Users\Stephane\Documents\UPLPlayer.db
UPL connected to port: COM5
serial port open
```

If the application is run without the UPL96ETL connected on one of the computer's USB port, the port and status will not be displayed. Once the UPL96ETL is connected, the port and status will only be displayed after the application is used from its web page.

## UPLPlayer Web Page

From any computer or mobile device (phone, tablet), open a browser and type in the address of the UPLPlayer web server (see above):



The **connection status** of the UPL96ETL is displayed at the top-left of the web page.

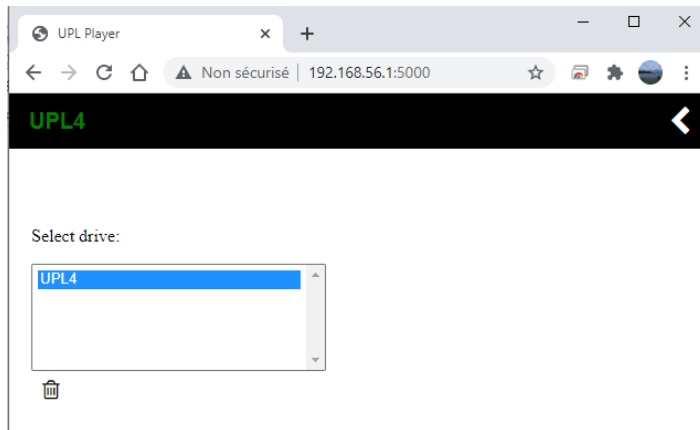
If no USB drive is connected to the UPL96ETL, the label will contain “----”. Otherwise it will display the USB drive's label (ex: UPL0)

The label's color indicates the connection status to the UPL96ETL. be red, yellow, or green. Click on the label to update the status:

- **Red** = the UPL96ETL is not connected to the computer on which the UPLPlayer.exe is running
- **Orange** = the UPL96ETL is connected but a USB Drive is not plugged in to its front port
- **Green** = the UPL96ETL is connected and a USB Drive has been detected

The status should be automatically updated when connecting the UPL96ETL or a USB drive. If not, **click on the status label to update the connection status**. If no connection can be established, try unplugging and plugging back the USB cable connected your PC to the UPL96ETL and refreshing the web page.

The **list of USB drives** can be accessed by clicking on the “drive” icon at the top-right.



If no drives have been scanned, the list will be empty. Otherwise select the drive to play and click on the arrow icon at the top-right of the web page to return to the previous page.

The trashcan icon can be used to delete a USB drive from the database.

The selected drive is memorized in the browser's local storage and will automatically be displayed next time the web page is opened on the same device (PC, phone, tablet...)

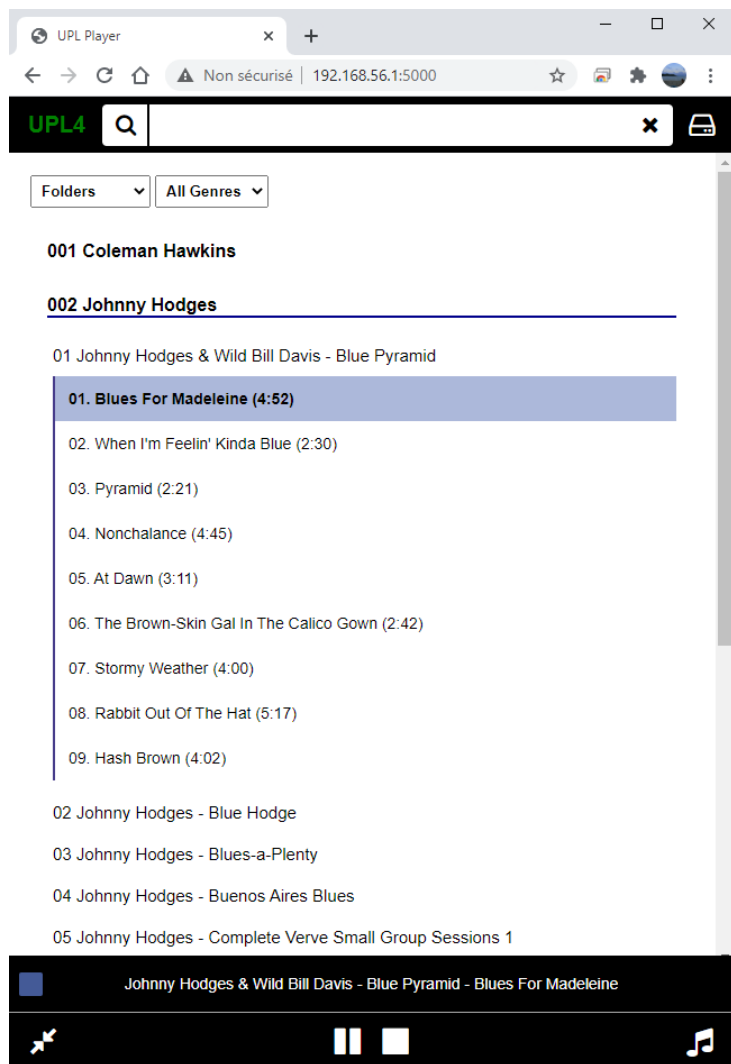
Once a drive has been selected, its content (folders) will be displayed on the web page:

- Folders are listed in bold, with their 3-digit prefix (001, 022...)
- Albums are listed with their 2-digit prefix (01, 02...)
- Tracks are listed with their 2-digit prefix (01, 02...) and duration

Click on a folder and album to display its content. Click on a track to start playback. Clicking again on a selected track will pause playback. The play and stop icons at the bottom center of the page can also be used to control playback. Playback will automatically continue to the next tracks.

A clickable progress bar indicates the currently playing track.

The icon at the bottom left is used to collapse all folders. The icon at the bottom right will scroll the page to the currently playing track.



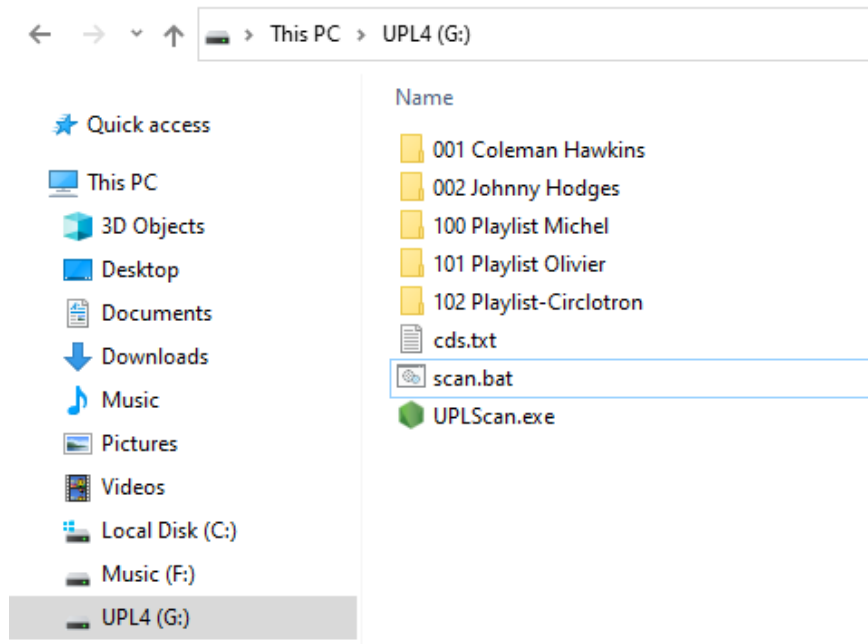
The “**Folders**” drop-down menu at the top of the web page can be used to display all cue-sheets by alphabetical order.

The “**Genres**” drop-down menu can be used to filter albums by Genre – this will only filter albums with cue-sheets.

The search bar can be used to search album titles.

## UPLScan application

Download the file **UPLScan.exe** from Google Drive and copy it to the **root folder of each USB drive** to be played with the UPL96ETL:

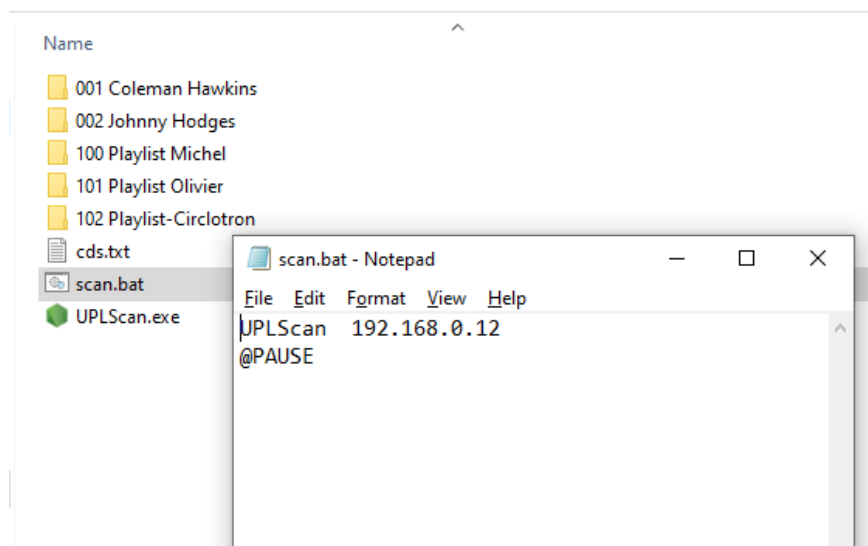


Note: **USB drives must be labeled. The first 4 digit of the drive's label is used to identify each drive within the application's database.**

Create a new file at the same location (root of the USB drive) and name it "**scan.bat**"

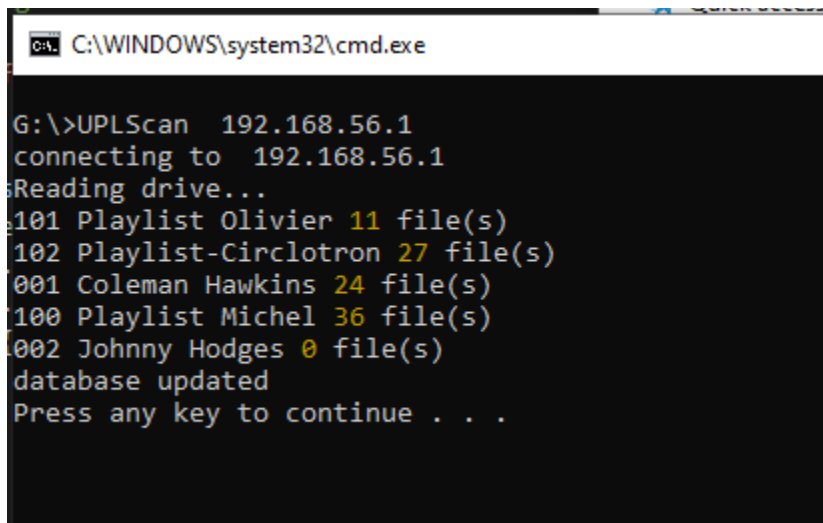
Right-click on the file "scan.bat" and select the menu option "Edit" to enter the content of the file:

- Add one line with the command **UPLScan** followed by the IP address of the UPLPlayer.exe application (see above)
- Add a second line with the command **@PAUSE**



Save the content and double-click on the file scan.bat to run it. The UPLScan.exe program will be launched and display the scan progress:

- Connection to the UPLPlayer server
- List folders contained in the drive (001 to 999) and the number of wav and cue files
- Database update



```
C:\WINDOWS\system32\cmd.exe

G:\>UPLScan 192.168.56.1
connecting to 192.168.56.1
Reading drive...
101 Playlist Olivier 11 file(s)
102 Playlist-Circlotron 27 file(s)
001 Coleman Hawkins 24 file(s)
100 Playlist Michel 36 file(s)
002 Johnny Hodges 0 file(s)
database updated
Press any key to continue . . .
```

The program will scan the content of each folder numbered 001 to 999:

- Wave files not associated to a cue sheet (multi-track albums) should be numbered from 01 to 99. The files will not be automatically numbered during the scan to preserve each album's track order
- Wave files associated to a cue sheet (single-track albums) will automatically be numbered from 01 to 99 in alphabetical order. The corresponding cue sheet will also be numbered from 01 to 99 with an additional prefix ("\_\_\_"). These files should therefore initially be copied to the drive's folders without any numbering.

The following error messages may be displayed if the files are scanned contain errors:

- WAV file has an invalid format. In this case, it is suggested that the wav file be "converted" (to wav) using another software (ex: dbPowerAmp, Foobar...).
- Error if the duration of a track is greater than 9999 seconds (roughly 2 hours and 45 min)

The program will also create a file "cds.txt" at the root of the drive. This file is needed for the UPL96ETL's operation and should not be edited or removed.