AIVCtrl

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Contenu

Description

AIVCtrl (audio image video control) is an application to link your **UPnP** media servers and media renderers.
The main functionality is to browse your media servers and to listen your audio files or to show your video files and photos on your renderer.

 A great number of devices are UPnP compatible.

Media servers we will quote:

- Most of NAS.
- StriimServer (Awox).
- Windows Media Player (Microsoft).
- Foobar 2000 (Peter Pawłowski).
- MediaTomb (Open source)
- Connected speakers.
- Internet boxes.
- …

Media renderers we will quote:

- Windows Media Player (Microsoft).
- Foobar 2000 (Peter Pawłowski).
- Many connected speakers.
- Many Android players (e.g. BubbleUPnP).
- Many televisions.
- Soundbar4.
- Internet boxes.
- Connected digital to analog converter.
- Connected audio amplifier.
- …

Its use is close to the phone audio players or an advanced remote control.
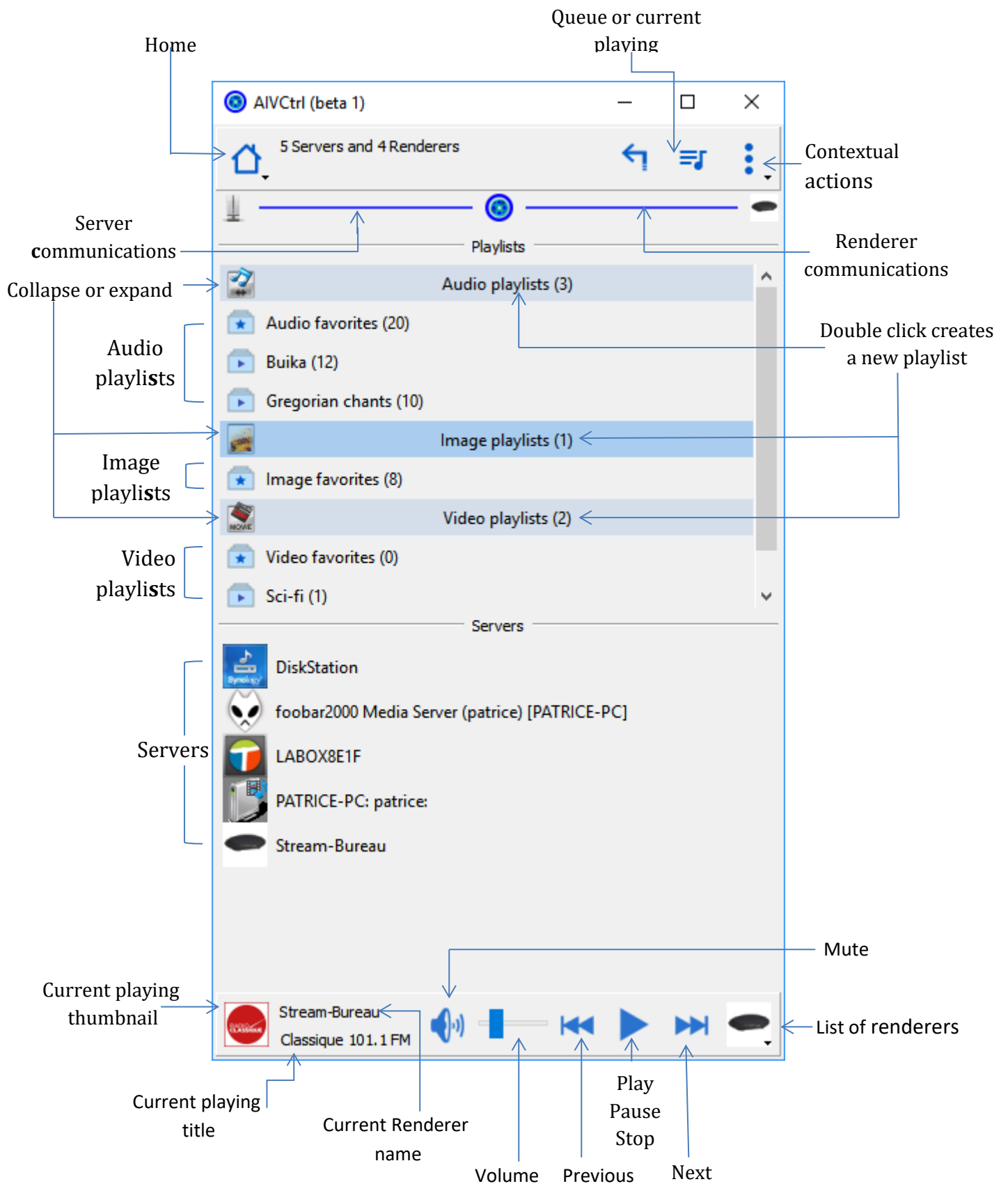
Try it, it is very simple to use.

Installation

- Windows 7 to 10 (32 or 64 bits): Download **install-AIVCtrl-100.exe** and double click on it to install.
  Tested with Windows 10. For Vista, AIVCtrl must be built with QT 5.6.

- Kubuntu and Ubuntu (64 bits): Download **aivctrl-1.0.0-beta-1.deb** click or double click on it to install.
  Tested with Kubuntu 17.10 and Ubuntu 16.04 LTS (for this, use preferably **/user/share/aivctrl/aivctrl.run.desktop** to launch AIVCtrl).

- All Linux (64 bits): Download **aivctrl-1.0.0-beta-1.zip** for a manual installation.
  Not tested. For this, use **preferably /user/share/aivctrl/aivctrl.run.desktop** to launch AIVCtrl.

- Documentation in English and French.

Home page

Home

Queue or current playing

Contextual actions

Server communications

Renderer communications

Collapse or expand

Audio playlists (3)

Double click creates a new playlist

Audio playlists

- Audio favorites (20)
- Buika (12)
- Gregorian chants (10)

Image playlists (1)

Image playlists

- Image favorites (8)

Video playlists (2)

Video playlists

- Video favorites (0)
- Sci-fi (1)

AIVCtrl (beta 1)

5 Servers and 4 Renderers

Playlists

Servers

- DiskStation
- foobar2000 Media Server (patrice) [PATRICE-PC]
- LABOX8E1F
- PATRICE-PC: patrice:
- Stream-Bureau

Servers

Current playing thumbnail

Stream-Bureau
Classique 101.1 FM

Current playing title

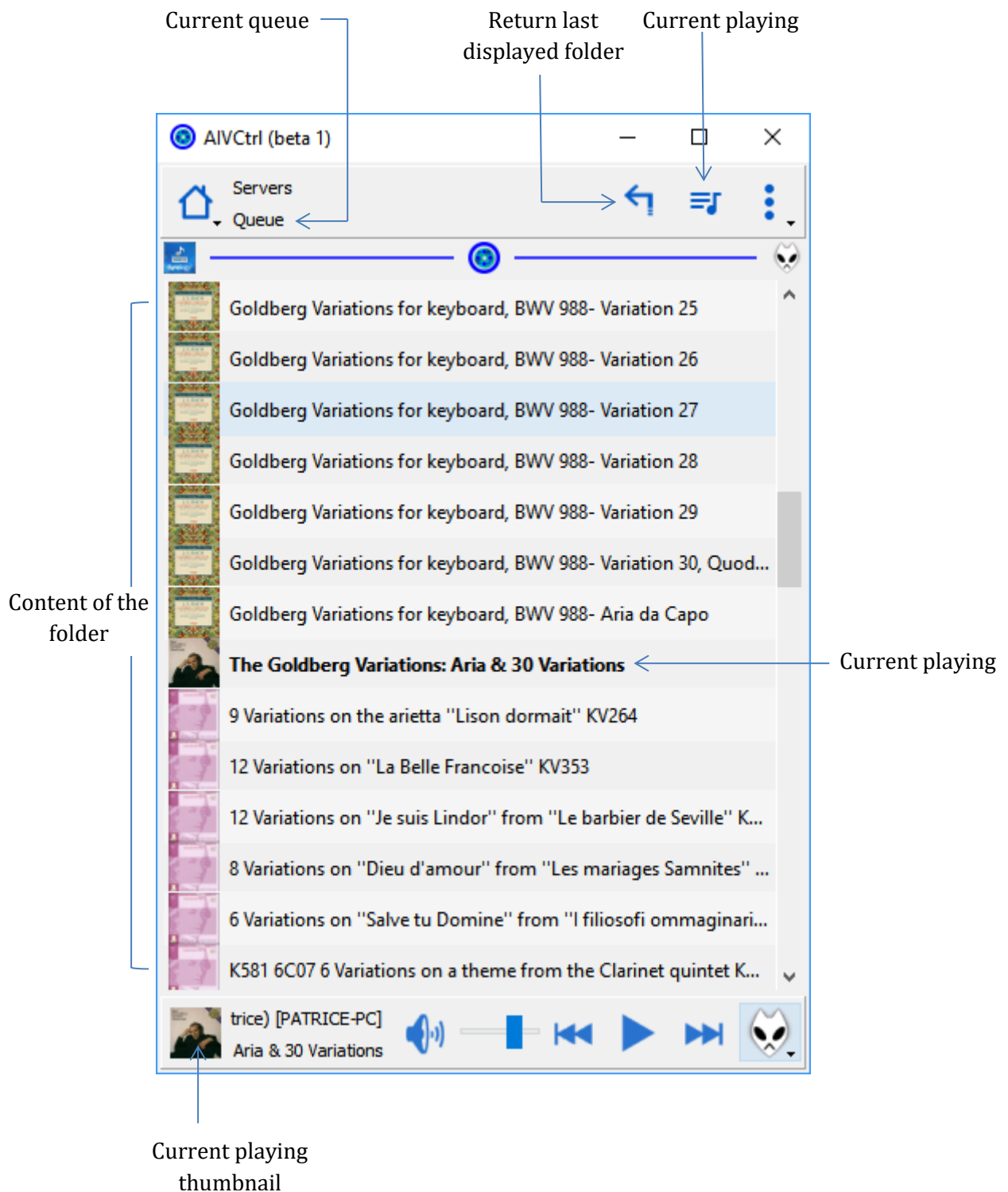Current Renderer name

Volume

Previous

Play Pause Stop

Next

Mute

List of renderers

Content folder page

Click or double click on one server, and double click on the different folder provide by the server.

Servers is selected or search

Folders with direct access (click on "Musique" goto this folder)

Previous folder (genre)

Music track of "Variation" folder

AIVCtrl (beta 1)

Servers

DiskStation > Musique > Par genre > Variation

Goldberg Variations for keyboard, BWV 988- Variation 25

Goldberg Variations for keyboard, BWV 988- Variation 26

Goldberg Variations for keyboard, BWV 988- Variation 27

Goldberg Variations for keyboard, BWV 988- Variation 28

Goldberg Variations for keyboard, BWV 988- Variation 29

Goldberg Variations for keyboard, BWV 988- Variation 30, Quod…

Goldberg Variations for keyboard, BWV 988- Aria da Capo

The Goldberg Variations: Aria & 30 Variations

9 Variations on the arietta "Lison dormait" KV264

12 Variations on "La Belle Francoise" KV353

12 Variations on "Je suis Lindor" from "Le barbier de Seville" K…

8 Variations on "Dieu d'amour" from "Les mariages Samnites" …

6 Variations on "Salve tu Domine" from "I filiosofi ommaginari…

K581 6C07 6 Variations on a theme from the Clarinet quintet K…
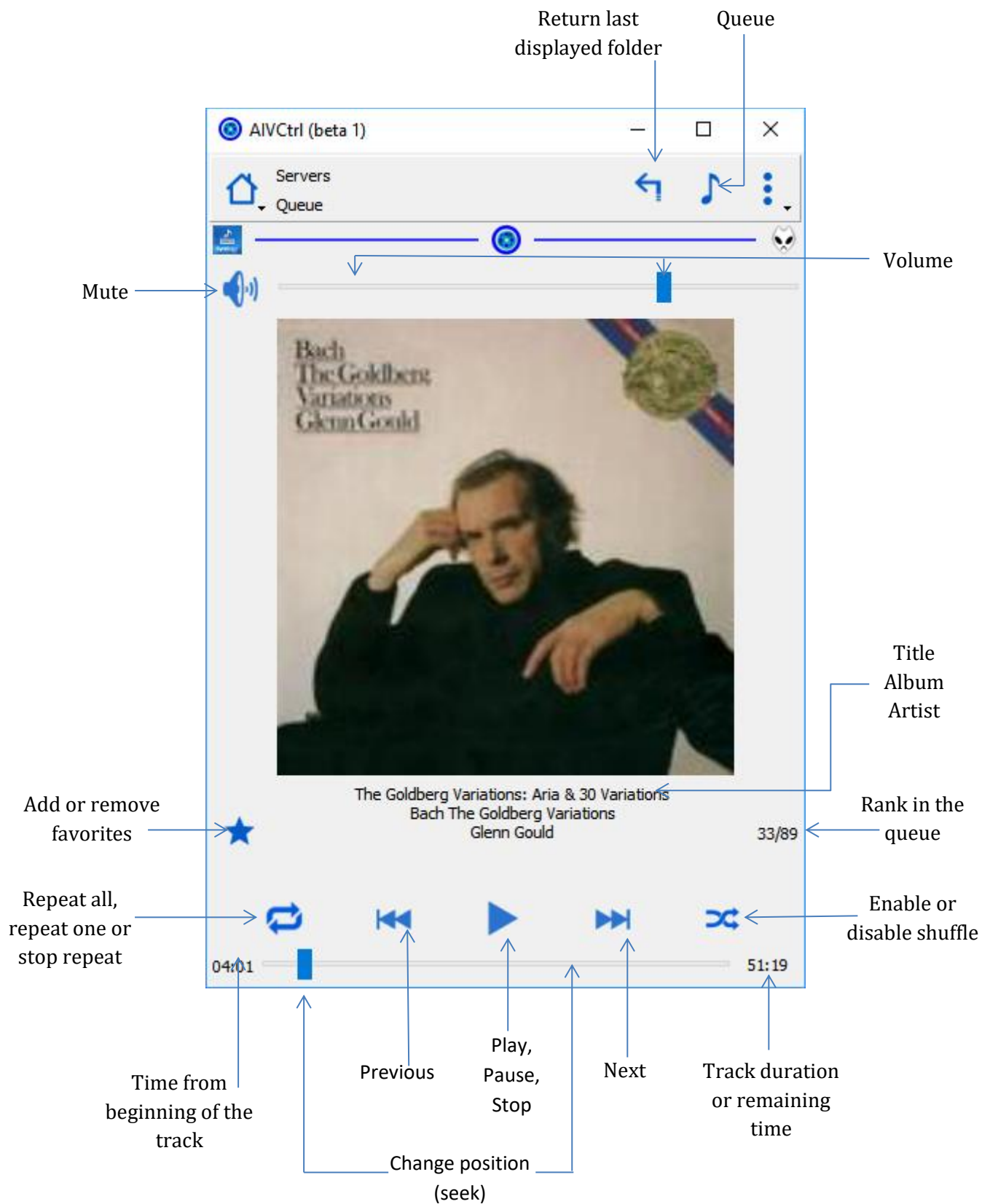
Stream-Bureau

Classique 101.1 FM

Queue page

Double click on one item, replace the current queue by the folder content and start the streaming with the selected item.
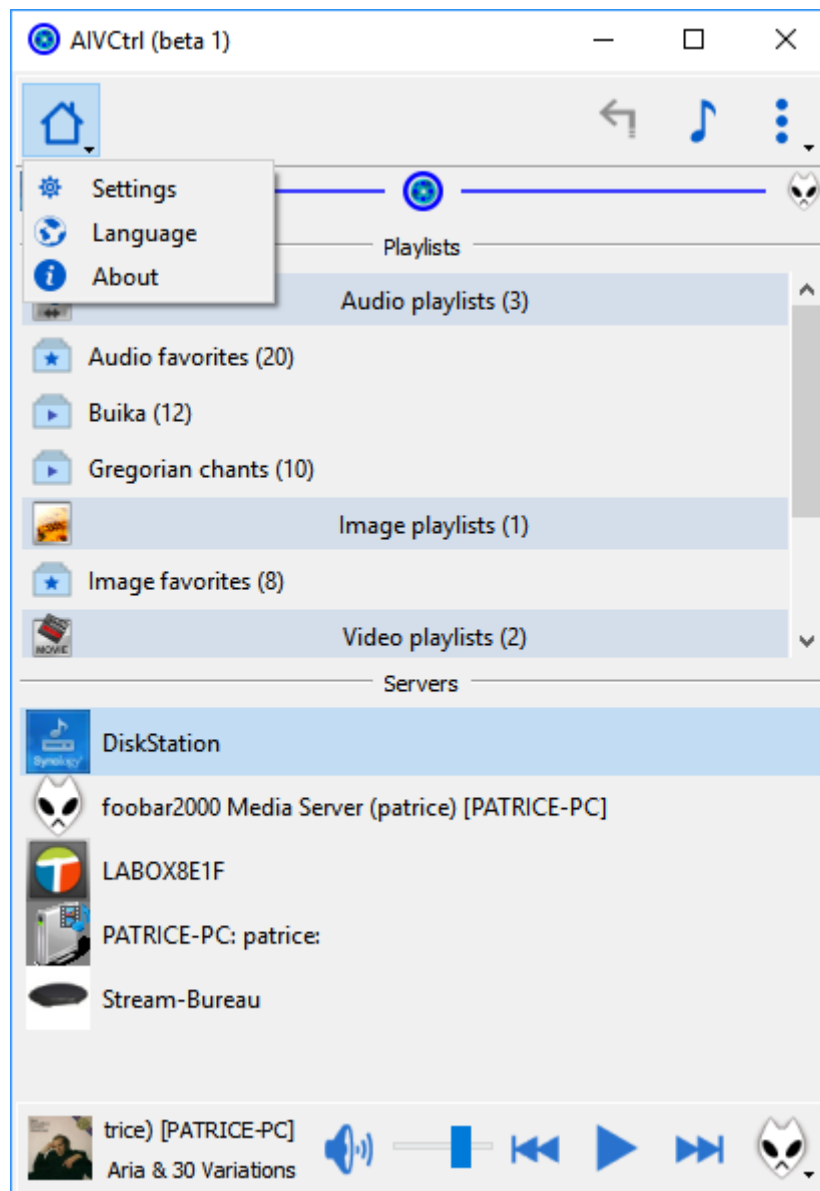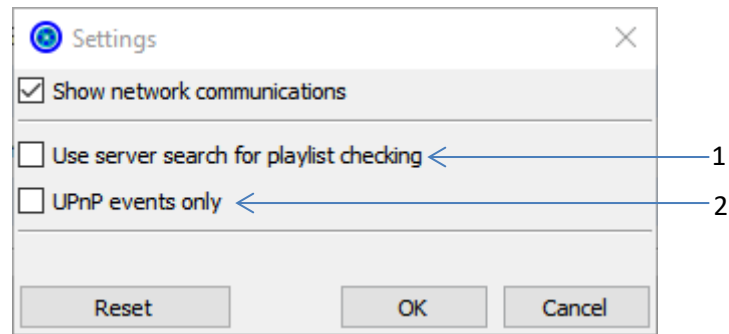
Current queue

Return last displayed folder

Current playing

Content of the folder

Current playing

Current playing thumbnail

Current playing page

Return last displayed folder

Queue

AIVCtrl (beta 1)

Servers
Queue

Volume

Mute

Title
Album
Artist

The Goldberg Variations: Aria & 30 Variations
Bach The Goldberg Variations
Glenn Gould

Rank in the queue

33/89

Add or remove favorites

Enable or disable shuffle

Repeat all, repeat one or stop repeat

04:01

51:19

Time from beginning of the track

Previous

Play, Pause, Stop

Next

Track duration or remaining time

Change position (seek)

Settings menu

Settings dailog

1. Use servers search capabilities for playlist checking.
   With a set of servers, Check playlist command may be very slow. On certain server, check this option to speed up the searching of titles.

2. UPnP events only
   AIVCtrl uses UPnP event principally when you change the renderer. This may accelerate the change of renderers.

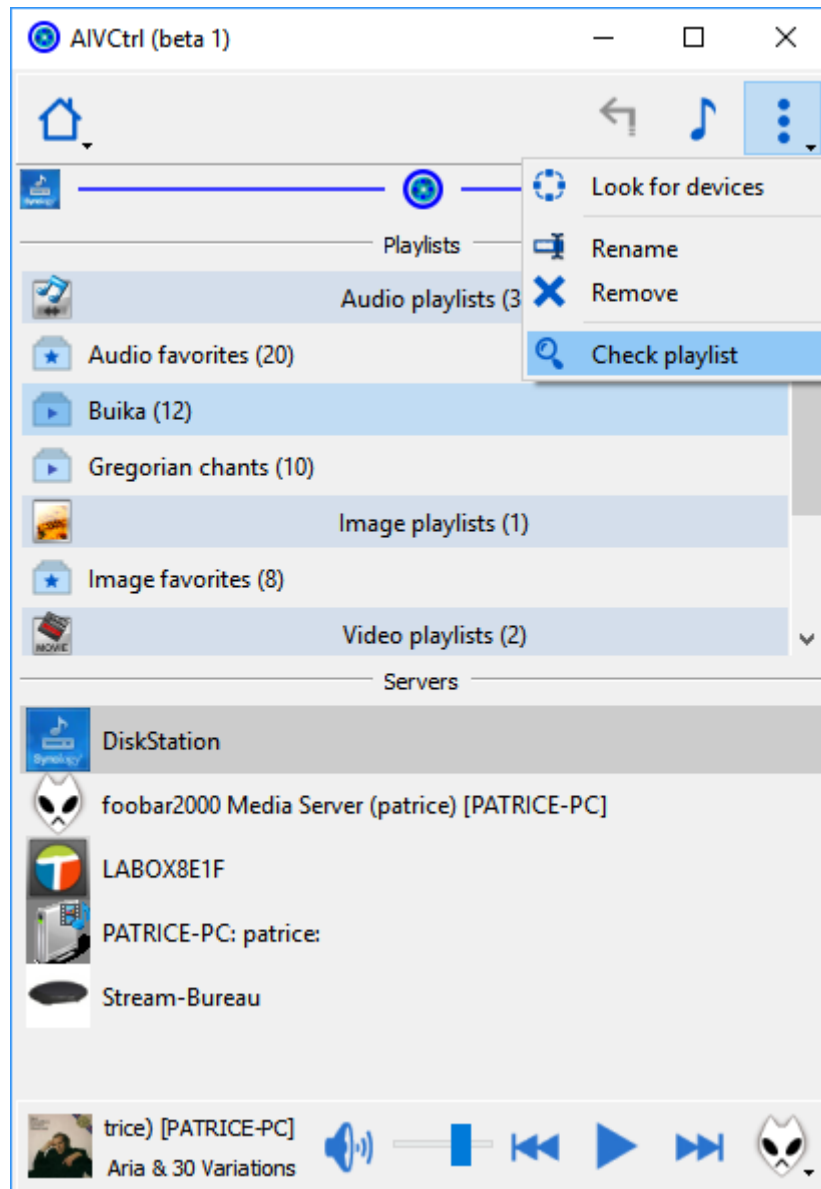3. **Reset** restores the default settings.

Language
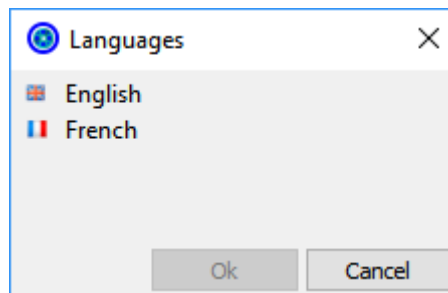
 The language is detected automatically at startup. It is possible to choose another language.

About

# Home page contextual menu

This menu depends of the current selection.

Look for devices: Search for devices that seem to be missing.

Rename: Rename the selected playlist.

Remove: Remove the selected playlist.

Check playlist: It is the problem of most UPnP media servers. The address is stored in each playlist item. Sadly, the server can change this address (e.g. rebuild the server database). This depends on the implementation of the server. This command tries to update the address from the title.

Folder, playlist, queue contextual menu
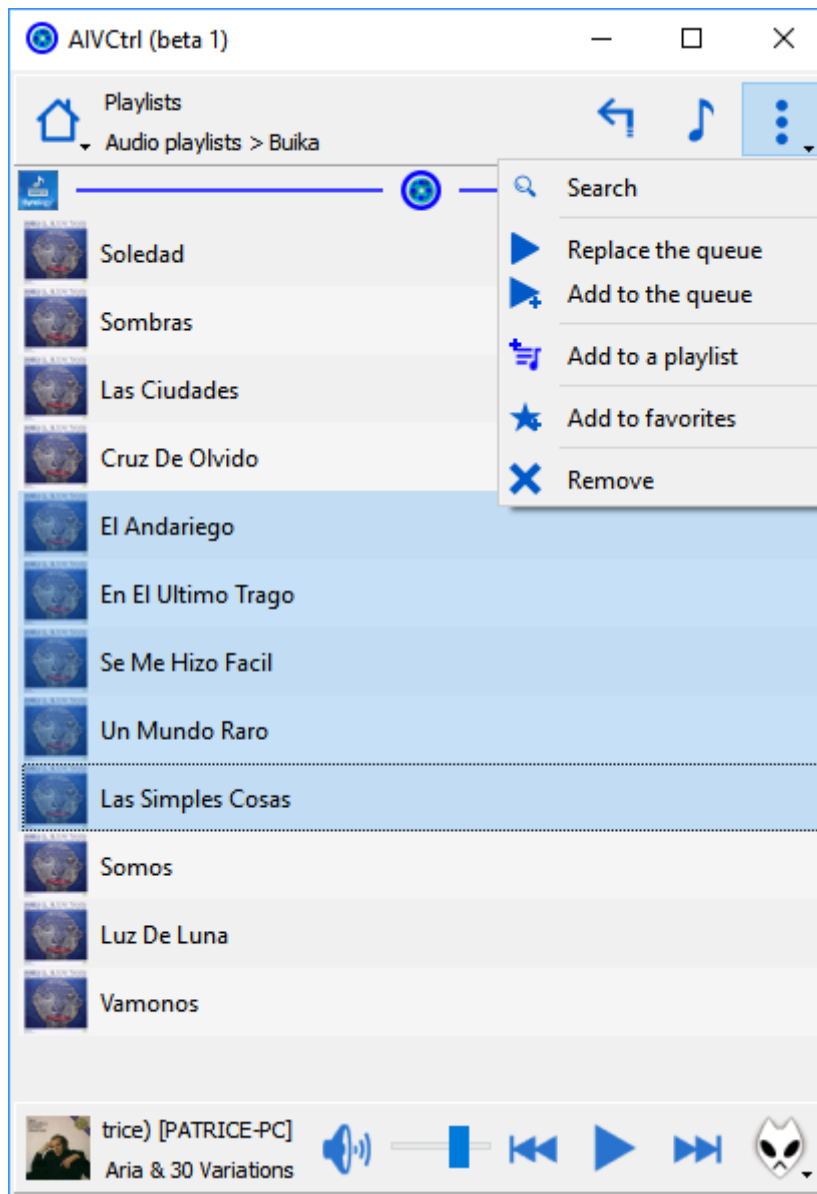
Search: Can be also activated by CTRL+F keys. Search a text in the current page. The provider field is cleared. You can enter now a part of title. Corresponding titles are moved on the top of the list. Stop the search with the same menu or CTRL+F keys.

Replace the queue: Replace all items of the queue by the selected items.
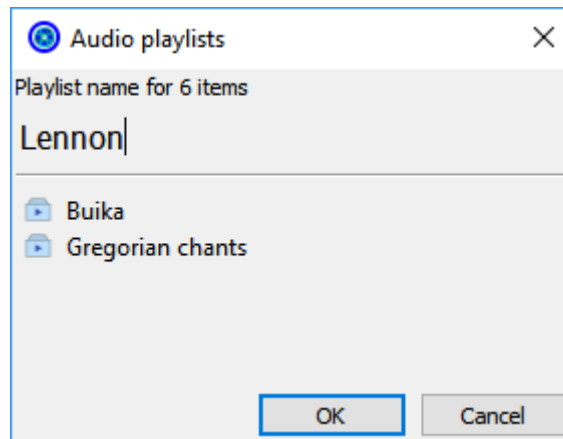
Add to the queue: Add the selected items at the queue.

Add to a playlist: Add the selected items at a playlist.

Add to favorites: Add the selected items at favorites.

Remove: Remove the selected items (available for playlist, queue and favorite)

Add to playlist

Enter a new name to create a new playlist or select an existing playlist.

Miscellaneous

- The playlists can be renamed directly in the home page by click on a selected playlist. For playlist, queue and favorite it is possible to change the order of the items by drag and drop.
- Multiple items selection is possible.
- Some shortcut are defined
  - **Suppr**: To remove items.
  - **Esc**: To remove the selection
  - **Return**: To start streaming
  - **Ctrl+F**: To enable or disable the search.
  - **Right arrow**: Stream the next item.
  - **Left arrow**: Stream the previous item.

This app is brand new. Probably it is affected by several malfunctions. Do not hesitate to report them to me and to share with me your comments on:

- https://github.com/ptstream/QtUPnP/issues
- https://github.com/ptstream/QtUPnP/pulls
- https://forum.qt.io/topic/83221/qtupnp-a-c-framework-based-on-qt5-to-build-easily-an-upnp-control-point-it-focuses-on-the-upnp-av-standards
- http://www.qtcentre.org/threads/68745-QtUPnP-a-C-framework-based-on-QT5-to-build-easily-an-UPnP-control-point

The sources are published at: https://github.com/ptstream/QtUPnP (GNU GENERAL PUBLIC LICENSE Version 3, 29 June 2007).