

# Institute for Computer Music and Sound Technology (ICST) / Zurich University of the Arts

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‘tpf-tools-intermediate’ is a bundle of tools for low-latency, bidirectional, multichannel transmission of audio and video. Version 1.1.1 is compatible with macOS 10.14+ (only Intel).

## Important

Make sure that you have installed jack2 for osx!

Make sure that you have created an ‘aggregate - device’ in the ‘Audio MIDI Setup !

For further information about ‘tpf-tools-intermediate’, including manuals, see:

<https://networkperformance.space>.

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## Content of tpf-tools-intermediate:

### Applications:

- tpf-party (v1.1.1)
- tpf-client (v1.1.1)
- Ardour6.8
- uv-qt (Ultragrid 1.6)

### Scripts:

- tpf-audio-runner.command
- tpf-video-runner.command

### Folders:

#### tpf-settings:

- tpf-intermediate-2ch-2loc
- tpf-intermediate-4ch-4loc
- tpf-intermediate-default

#### ardour-templates:

- tpf-intermediate-2ch-2loc.ardour
- tpf-intermediate-4ch-4loc.ardour
- tpf-intermediate-default.ardour
- tpf-start.ardour

#### **tpf-video:**

- camera-0.command
- camera-1.command
- camera-2.command
- selftest-camera-0.command
- selftest-camera-1.command
- selftest-camera-2.command
- tpf-video-runner.command

#### **tpf-uninstallers:**

- uninstall-tpf-jack2.command
  - uninstall-tpf-tools-intermediate.command
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## **Start the tpf-tools-intermediate:**

- After installation, start your session:
  - **Audio:** double-click the file 'tpf-audio-runner.command'
  - Follow the instructions in the terminal window.
  - **Video:** double-click the file 'tpf-video-runner.command' from the 'tpf-video'-folder.
  - Follow the instructions in the terminal window.
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## About Applications

### Ardour 6.8

<https://ardour.org/>

### Ultragrid

<http://www.ultragrid.cz/>

### TPF-Client

<https://github.com/zhdh/tpf-client>

<https://networkperformance.space> (including manuals)

### LoudMax (VST/VST3/AU)

Loudness Maximizer plugin by Thomas Mundt.

<https://loudmax.blogspot.com> for updates.

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