FAQ: Install JSindo

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General

I can not get JSindo start up with the following error:
```
Could not find or load main class JSindo
```

You don't have JSindo-xxx.jar in the right folder. Review the jar folder.

I get JSindo start up, but fonts and icons are too tiny.

Although we are aware of this problem that happens with a high DPI diplay, we don't know the solution at this moment. This seems to be a general issue of Java/Swing applications, which some people says it is fixed in JRE9. However, JRE9 is currently incompatible with JogAmp/Java3D.

I get JSindo start up, but cannot open minfo file with the following error:
```
Exception in thread "AWT-EventQueue-0" java.lang.NoClassDefFoundError:
com/jogamp/opengl/GL
…
```

You probably downloaded an older version of JogAmp. Read the install manual again and get the right version. Alternatively, the direct link (as of 2018.6.13) is,

http://jogamp.org/deployment/jogamp-current/archive/jogamp-all-platforms.7z

LINUX

How do I make the start up command shorter?

I recommend to create an alias. Edit your ~/.bashrc and add the following two lines,

```
> vi ~/.bashrc
jsindo_jar=${HOME}/JSindo/jar
alias jsindo='java —cp "$jsindo_jar/*" JSindo'
```

After source, you can invoke the program by typing "jsindo" in the command.

```
> . .basrc
> jsindo
```

Alternately, you may want to set CLASSPATH,

```
> export CLASSPATH=${HOME}/JSindo/jar/*
> java JSindo
```

Note, however, that the use of CLASSPATH is discouraged, because it can easily mess things up (the library version, for example).

I can not get JSindo start up with the following error:

```
Exception in thread "main" java.awt.HeadlessException
    at java.awt.GraphicsEnvironment.checkHeadless(GraphicsEnvironment.java:204)
    …
```

Some distrubutions have a headless version of Java by default. Try the following command to install a standard Java:

```
> yum install java-1.8.0-openjdk
```
(Fedora)

```
> apt-get install openjdk-8-jre
```
(Debian, Ubuntu)

I get JSindo start up, but cannot open minfo file with the following error:

```
Exception in thread "AWT-EventQueue-0" java.lang.NoClassDefFoundError:
javax/media/j3d/Bounds
    …
```

You probably don't have JogAmp/Java3D jarfiles in the jar folder. Review the jar folder.

I get JSindo start up, but cannot open minfo file with the following error:

```
Exception in thread "AWT-EventQueue-0" java.lang.InternalError: XXX0
profile[1]: GL3bc -> profileImpl GL4bc !!! not mapped
…
```

This error happened to me when I didn't have the right driver installed for my GPU card (Quadro K600). It was solved after installing a NVIDIA driver. The following website was useful for me to install a driver in my Fedora Core,

https://www.if-not-true-then-false.com/2015/fedora-nvidia-guide

Mac

Create a new folder (${HOME}/JSindo/jar in the example below), and copy all jar files in there,

```
> jsindo_jar=${HOME}/JSindo/jar
> mkdir -p $jarfiles

> cp /path/to/jogamp-all-platforms/jar/gluegen.jar     $jsindo_jar
> cp /path/to/jogamp-all-platforms/jar/gluegen-rt.jar $jsindo_jar
> cp /path/to/jogamp-all-platforms/jar/jogl-all.jar    $jsindo_jar
> cp /path/to/jogamp-all-platforms/jar/gluegen-rt-natives-macosx-universal.jar $jsindo_jar
> cp /path/to/jogamp-all-platforms/jar/jogl-all-natives-macosx-universal.jar    $jsindo_jar

> cp /path/to/jogamp-java3d/j3dutils.jar $jsindo_jar
> cp /path/to/jogamp-java3d/j3dcore.jar  $jsindo_jar
> cp /path/to/jogamp-java3d/vecmath.jar  $jsindo_jar

> cp /path/to/Jama-1.0.3.jar $jsindo_jar
> cp /path/to/JSindo-4.0.jar $jsindo_jar
```

Then, type the following command to invoke JSindo:

```
>java —cp "$jsindo_jar/*" JSindo
```

Is it possible to retain the installed Java, and use Java8 only for JSindo?

Probably, yes. You need to invoke java8 directly from a command line. (See FAQ #1)

I could run JSindo with Java8 executable by the following command:

```
> /Library/Java/JavaVirtualMachines/jdk1.8.0_172.jdk/Contents/Home/bin/java ¥
                                —cp /path/to/JSindo-4.0.jar JSindo
```

Note that the folder name may be different, and check carefuly the location of the Java8 executable.