

# 3DEQUALIZER 4

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## Export Distortion to After Effects Mesh Warp ...

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### 1 *What is Export Distortion to After Effects Mesh Warp ...*

*Export Distortion to After Effects Mesh Warp ...* is an export script for transferring *Lens Distortion* data to *After Effects*. It does not need any additional plugin. Exporting *Lens Distortion* to *After Effects* uses *After Effects* *Mesh Warp* filter. The exporter creates two *After Effects* Presets which convert *Lens Distortion* data to *Mesh Warp* Presets for removing and applying *Lens Distortion*. It also writes a **jsx** script file to build compositions within your *After Effects* project and applies *Mesh Warp* Presets automatically. *Lens Distortion to After Effects Presets...* exporter can be found at

*3DE4* → *File* → *Export* → *Export Distortion to After Effects Mesh Warp ...*

First, the textfield gets a path and filename for the **jsx** script file. *Mesh Warp Resolution* defines number of rows and columns for the resulting Presets. *Startframe* defines which frame gets first keyframe. Sometimes overscan is needed. For that case *Overscan* needs to be checked and a resolution which is greater than tracked footage resolution must be entered. Hitting *Ok* will write all files required for *After Effects*. Within *After Effects* you need to run the generated **jsx** script file.

### 2 *Background information*

The exporter samples a set of points and calculates how they are transformed due to *Lens Distortion*. These transformed points define *Mesh Warp* Preset for either removing or applying *Lens Distortion*.

#### 2.1 *Mesh Warp coordinates*

All data stored in Presets are given in unit coordinates. That means the Presets may be applied to any layer regardless of resolution.

#### 2.2 *Generated Files*

The exporter script generates three files, two preset files and one java script file. You should always use the script file to generate necessary compositions and apply both presets. Java script file needs both presets at execution. If they are not present the user is prompted to select them manually. Paths to both presets are absolute within java script. You need to change that when their folders change.



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