

Example

# Programmer.Fan Curves

<b>by:</b>	Alex del Bondio with the help of Greg Haynes
<b>published:</b>	January 2019
<b>description:</b>	Changes fan curves, grouping and parts
<b>remarks:</b>	

adb\_fancurves.xml

[fan](#), [curve](#), [group](#), [segment](#), [part](#)

This selection of macros lets you change the fan curve, parts and grouping options without having to enter the fan menu. These macros have [Active Binding](#) set so they will highlight when the corresponding attribute is set.

5/1/19 Fan Toggle macro added in the file

The code below is a snippet of the whole file which contains macros for all curves, grouping options and a handful of segments/parts.

## functions

- [Programmer.Editor.Fixtures.Fan.SelectCurve](#)
- [Active Binding](#)

## affected properties

- [Programmer.Editor.Fixtures.Fan.SelectedFanCurveId](#)
- [Programmer.Editor.Fixtures.Fan.GroupOptions](#)
- [Programmer.Editor.Fixtures.Fan.SegmentCount](#)

## Code

fancurves.xml

```
<?xml version="1.0" encoding="utf-8"?>
<avolites.macros>

  <!-- Fan curves: Line, Mirror, Wings, Arrow, Pull Middle, Pull Ends,
  Pull End-->
  <macro id="adb.Macros.fan.Line" name="adb fan Line">
    <active binding="{propertyLink
id='Programmer.Editor.Fixtures.Fan.SelectedFanCurveId'
```

```
converter='Math.EqualityConverter' converterParameter='Line'}/>
  <sequence>
    <step>Programmer.Editor.Fixtures.Fan.SelectCurve("Line")</step>
  </sequence>
</macro>

<!-- Fan Grouping -->
<macro id="adb.Macros.fan.FanWithinGroup" name="adb fan
FanWithinGroup">
  <active binding="{propertyLink
id='Programmer.Editor.Fixtures.Fan.GroupOptions'
converter='Math.EnumAsStringEqualityConverter'
converterParameter='FanWithinGroup'}"/>
  <sequence>
<step>ActionScript.SetProperty.Enum("Programmer.Editor.Fixtures.Fan.Gro
upOptions", "FanWithinGroup")</step>
  </sequence>
</macro>

<!-- Fan Parts -->
<macro id="adb.Macros.fan.3part" name="adb fan 3part">
  <active binding="{propertyLink
id='Programmer.Editor.Fixtures.Fan.SegmentCount'
converter='Math.EqualityConverter' converterParameter='3'}"/>
  <sequence>
<step>ActionScript.SetProperty("Programmer.Editor.Fixtures.Fan.SegmentC
ount",3)</step>
  </sequence>
</macro>

</avolites.macros>
```

## Explanation

This explains the functional steps within the sequence. For all the other XML details please refer to [Formats and syntax](#)

- `Programmer.Editor.Fixtures.Fan.SelectCurve("Line")` sets the `SelectedFanCurveId` to "Line"
- `Programmer.Editor.Fixtures.Fan.GroupOptions` is the property regarding the grouping options and needs to be set via `ActionScript.SetProperty.Enum`
- `Programmer.Editor.Fixtures.Fan.SegmentCount` the number of parts the fan is split into and again needs to be set via `ActionScript.SetProperty`
- `active binding` is used to highlight a macro when the corresponding property (`propertyLink id`) matches the `converterParameter`. A good starting point to understand active binding is either this wiki or this post in the Avo forum <http://forum.avolites.com/viewtopic.php?f=20&t=5962>

## How to use it

- [make this macro available](#)

From:

<https://avosupport.de/wiki/> - **AVOSUPPORT**

Permanent link:

<https://avosupport.de/wiki/macros/example/fancurves?rev=1547412461>

Last update: **2019/01/13 20:47**

