

Example

BPM Masters

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description:	Macros for double, half, tap, reset each of the BPM masters.
remarks:	This is based on the fixed Titan IDs which we found exactly for these macros.

[, BPM, master, double, half, speed, tap, tempo,]

functions

- Masters.DoubleOrHalfSpeedMultiplier
- Masters.TapTempo
- Math.GetTimeStamp
- Masters.ResetSpeedMultiplier

The file

adb_bpmmaster.xml

has the macros already written for all 4 BPM masters. Here, we use BPM master 1 to explain it.

Code

bpmmasters.xml

```
<?xml version="1.0" encoding="utf-8"?>
<avolites.macros xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="Avolites.Menus.xsd">
    <macro id="Avolites.Macros.BPM1half" name="adb_BPM1 /2">
        <sequence>
            <step>Masters.DoubleOrHalfSpeedMultiplier(1607, false)</step>
        </sequence>
    </macro>

    <macro id="Avolites.Macros.BPM1tap" name="adb_BPM1 tap">
        <sequence>
            <step>Masters.TapTempo(1607, Math.GetTimeStamp())</step>
        </sequence>
    </macro>

    <macro id="Avolites.Macros.BPM1double" name="adb_BPM1 *2">
        <sequence>
            <step>Masters.DoubleOrHalfSpeedMultiplier(1607, true)</step>
        </sequence>
    </macro>

    <macro id="Avolites.Macros.BPM1*1" name="adb_BPM1 *1">
```

```
<sequence>
    <step>Masters.ResetSpeedMultiplier(1607)</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](#)

- `Masters.DoubleOrHalfSpeedMultiplier(1607, false)` halves the bpm speed of bpm master 1 which is identified by its fixed titan ID
- `Masters.DoubleOrHalfSpeedMultiplier(1607, true)` doubles the bpm speed of bpm master 1 which is identified by its fixed titan ID
- `Masters.TapTempo(1607, Math.GetCurrentTimeStamp())` taps the bpm speed of bpm master 1 which is identified by its fixed titan ID. The timestamp is a required parameter for this function to work, see [Masters.TapTempo](#)
- `Masters.ResetSpeedMultiplier(1607)` resets the bpm speed of bpm master 1 which is identified by its fixed titan ID

How to use it

1. [make this macro available](#)
2. apply when needed (you'll see the results when you have BPM masters assigned)

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<https://avosupport.de/wiki/macros/example/bpmmasters?rev=1512561298>

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