Example

# BPM Masters

| | |
|---|---|
| **by:** | Alex del Bondio |
| **published:** | October 2017 |
| **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.GetCurrentTimeStamp
- 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"?>
  <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.GetCurrentTimeStamp())</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)

From:
https://avosupport.de/wiki/ - **AVOSUPPORT**

Permanent link:
**https://avosupport.de/wiki/macros/example/bpmmasters?rev=1511887774**

Last update: **2017/11/28 16:49**