

BPM-Studio HTTP Interface - Documentation

All player related commands have the following form:

```
play1 - play the left player
play2 - play the right player
```

All LIST_ commands have the following form:

```
LIST_Clear1 = clear the left playlist
LIST_Clear2 = clear the right playlist
LIST_Clear4 = clear the filelist
```

Commands which return all entries from a list will be terminated with

 to mark the end of the returned list.

o GETVERSION

action:
get the current version of BPM-Studio

argument:
none.

return:
Version of BPM-Studio, or 0 on error.

example:
`http://localhost:80/getversion`

o CLOSE

action:
close BPM-Studio

argument:
none.

return:
1 on success, 0 otherwise.

example:
`http://localhost:80/close`

o PLAY(n) , PAUSE(n) , STOP(n) , CUE(n) , CUP(n) , PREV(n) , NEXT(n)

These commands all have the same syntax, they have the same action as the buttons on the screen.

action:
like clicking on it.

argument:
none.

return:
1 on success, 0 otherwise.

example:
`http://localhost:80/command` (the command is one of the above)

o SEEKFORW(n)

seek stepwise trough the file

action:
like clicking on it.

argument:
none.

return:
1 on success, 0 otherwise.

example:
`http://localhost:80/seekforw1`

o SEEKBACK(n)

seek stepwise trough the file

action:
like clicking on it.

argument:
none.

return:
1 on success, 0 otherwise.
example:
`http://localhost:80/seekback1`

o **SEEKSTOP (n)**

stop seeking through the file
action:
like clicking on it.
argument:
none.
return:
1 on success, 0 otherwise.
example:
`http://localhost:80/seekstop1`

o **GETPLAYSTATE (n)**

action:
get the playing status of the player.
argument:
none.
return:
0 = not playing
1 = playing
2 = paused
3 = seekmode
example:
`http://localhost:80/getplaystate1`

o **GETPLAYTIME (n)**

action:
returns the length in milliseconds of the current song
argument:
none
return:
-1 if not playing.
example:
`http://localhost:80/getplaytime1`

o **GETCURTIME (n)**

action:
returns the position in milliseconds of the current song
argument:
none
return:
-1 if not playing.
example:
`http://localhost:80/getcurtime1`

o **JUMPTOTIME (n)**

action:
sets the position in milliseconds of the current song
argument:
position in milliseconds to jump to
return:
1 on success, 0 otherwise.
example:
`http://localhost:80/jumptime1=1000` (jump to 1 second.)

o **GETTIMEMODE (n)**

action:
get time mode (remaining or elapsed)
argument:
none
return:
0 = remaining
1 = elapsed

example:
http://localhost:80/gettime1

o **SETTIMEMODE(n)**

action:
toggle the time between remaining elapsed

argument:
0 = remaing
1 = elapsed

return:
1 on success, 0 otherwise.

example:
http://localhost:80/settime1=0 (set remaining.)

o **GETINFO(n)**

action:
gets info about the current playing song. The value it returns depends on the value of 'argument'

argument:

0	Samplerate (i.e. 44100)
1	Bitrate (i.e. 128)
2	Channels (i.e. 2)
3	BPM (i.e. 136)
4	Track Nr (i.e. 10)

return:
Gets info or 0 on error.

example:
http://localhost:80/getinfo1=0

o **FADEOUT(n)**

action:
Fades out current song.

argument:
fadeout time in milliseconds

return:
0 on error, 1 otherwise.

example:
http://localhost:80/fadeout1=2000 (fadeout with 2 seconds)

o **SETSHUFFLE(n)**

action:
Toggle shuffle on and off

argument:
0 = off
1 = on

return:
0 on error, 1 otherwise.

example:
http://localhost:80/setshuffle1=1

o **GETSHUFFLE(n)**

action:
Gets the status of shuffle

argument:
none

return:
1 if shuffle is on, 0 otherwise.

example:
http://localhost:80/getshuffle1

o **SETREPEAT(n)**

action:
Toggle repeat on and off

argument:
0 = off
1 = on

return:

0 on error, 1 otherwise.

example:
`http://localhost:80/setrepeat1=1`

o **GETREPEAT(n)**

action:
Gets the status of repeat
argument:
none
return:
1 if repeat is on, 0 otherwise.
example:
`http://localhost:80/getrepeat1`

o **SETSINGLE(n)**

action:
Toggle single on and off
argument:
0 = off
1 = on
return:
0 on error, 1 otherwise.
example:
`http://localhost:80/setsingle1=1`

o **GETSINGLE(n)**

action:
Gets the status of single
argument:
none
return:
1 if single is on, 0 otherwise.
example:
`http://localhost:80/getsingle1`

o **SETPITCH(n)**

action:
Toggle pitch on and off
argument:
0 = off
1 = on
return:
0 on error, 1 otherwise.
example:
`http://localhost:80/setpitch1=1`

o **GETPITCH(n)**

action:
Gets the status of pitch
argument:
none
return:
1 if pitch is on, 0 otherwise.
example:
`http://localhost:80/getpitch1`

o **SETPITCHMODE(n)**

action:
Toggle pitch and tempo
argument:
0 = pitch
1 = tempo
return:
0 on error, 1 otherwise.
example:
`http://localhost:80/setpitchmode1=1`

- **GETPITCHMODE(n)**
 - action:**
Gets the status of pitchmode
 - argument:**
none
 - return:**
0 if pitch is on, 1 if tempo is on.
 - example:**
`http://localhost:80/getpitchmode1`
- **SETBPMDISPLAY(n)**
 - action:**
enable bpm display
 - argument:**
0 = pitch display
1 = bpm display
 - return:**
0 on error, 1 otherwise.
 - example:**
`http://localhost:80/setbpmdisplay1=1`
- **GETBPMDISPLAY(n)**
 - action:**
get the status of the bpm display
 - argument:**
none
 - return:**
0 if pitch display, 1 if bpm display.
 - example:**
`http://localhost:80/getbpmdisplay1`
- **MATCH(n)**
 - action:**
Match BPM to other player
 - argument:**
none
 - return:**
0 on error, 1 otherwise.
 - example:**
`http://localhost:80/match1`
- **GETPITCHRANGE(n)**
 - action:**
get the current pitch range
 - argument:**
none
 - return:**
0 on error, pitch range otherwise.
 - example:**
`http://localhost:80/getpitchrange1`
- **GETTEMPORANGE(n)**
 - action:**
get the current tempo range
 - argument:**
none
 - return:**
0 on error, tempo range otherwise.
 - example:**
`http://localhost:80/gettemporangel1`
- **SETSPEED(n)**
 - action:**
set player pitch or tempo
 - argument:**
pitch or tempo in percent*10

return:
0 on error, 1 otherwise.
example:
`http://localhost:80/setspeed1=-40` (set pitch to -4.0%)

o **GETSPEED(n)**

action:
get player pitch or tempo
argument:
none
return:
player pitch or tempo in percent*10.
example:
`http://localhost:80/getspeed1`

o **SETAUTO(n)**

action:
set autoplay mode
argument:
0 = off
1 = on
return:
0 on error, 1 otherwise.
example:
`http://localhost:80/setauto`

o **GETAUTO**

action:
get autoplay mode
argument:
none
return:
0 = off
1 = on
example:
`http://localhost:80/getauto`

o **FADENOW**

action:
fade to next player
argument:
none
return:
0 on error, 1 otherwise.
example:
`http://localhost:80/fadenow`

o **SETWAITLIST**

action:
enable waitlist or single playlist
argument:
0 = single playlists
1 = waitlist
return:
0 on error, 1 otherwise.
example:
`http://localhost:80/setwaitlist=1`

o **GETWAITLIST**

action:
get waitlist state
argument:
none
return:
0 = single playlist
1 = waitlist
example:

`http://localhost:80/getwaitlist`

o **SETFADETIME**

action:
set the fade time in milliseconds
argument:
fadetime in milliseconds
return:
0 on error, 1 otherwise.
example:
`http://localhost:80/setfadetime=3000`

o **GETFADETIME**

action:
get the fadetime in milliseconds
argument:
none
return:
fadetime in milliseconds
example:
`http://localhost:80/getfadetime`

o **SETCROSSFADE**

action:
set the crossfade volume (-100..0..100)
argument:
crossfade (-100..0..100)
return:
0 on error, 1 otherwise.
example:
`http://localhost:80/setcrossfade=0`

o **GETCROSSFADE**

action:
get the crossfade volume
argument:
none
return:
crossfade volume (-100..0..100)
example:
`http://localhost:80/getcrossfade`

o **SETFADEPRESET**

action:
select the default fade presets
argument:
preset (0..6), 0 = default, 1..6 = fade buttons
return:
none
example:
`http://localhost:80/setfadepreset=0`

o **SMP_PLAY(n)**

action:
play a sampler channel (n)
argument:
none
return:
0 on error, 1 otherwise.
example:
`http://localhost:80/smp_play1`

o **SMP_PLAY(n)**

action:
play a sampler channel (n)
argument:
none

return:
0 on error, 1 otherwise.
example:
`http://localhost:80/smp_stop1`

o **SMP_LOAD(n)**

action:
load a file in sampler channel (n)
argument:
full path + filename
return:
0 on error, 1 otherwise.
example:
`http://localhost:80/smp_load1=c:\test.mp3`

o **SMP_FREE(n)**

action:
free a sampler channel (n)
argument:
none
return:
0 on error, 1 otherwise.
example:
`http://localhost:80/smp_free1`

o **SMP_GETLOOP(n)**

action:
get loop mode for a sampler channel (n)
argument:
none
return:
0 = off
1 = on
example:
`http://localhost:80/smp_getloop1`

o **SMP_SETLOOP(n)**

action:
set loop mode for a sampler channel (n)
argument:
0 = off
1 = on
return:
0 on error, 1 otherwise.
example:
`http://localhost:80/smp_setloop1=1`

o **SMP_LOAD_BANK**

action:
load a complete sampler bank
argument:
full path + filename
return:
0 on error, 1 otherwise.
example:
`http://localhost:80/smp_load_bank=c:\sampler.smp`

o **SMP_SAVE_BANK**

action:
save a sampler bank
argument:
full path + filename
return:
0 on error, 1 otherwise.
example:
`http://localhost:80/smp_save_bank=c:\sampler.smp`

- o **SMP_CLEAR**
 - action:**
clear all sampler channels
 - argument:**
none
 - return:**
0 on error, 1 otherwise.
 - example:**
`http://localhost:80/smp_clear`
- o **SETVOLUME_PLAYER(n)**
 - action:**
set the player volume
 - argument:**
volume (0..100)
 - return:**
0 on error, 1 otherwise.
 - example:**
`http://localhost:80/setvolume_player1=100`
- o **GETVOLUME_PLAYER(n)**
 - action:**
get the player volume
 - argument:**
none
 - return:**
volume (0..100)
 - example:**
`http://localhost:80/getvolume_player1`
- o **SETVOLUME_SAMPLER**
 - action:**
set the sampler volume
 - argument:**
volume (0..100)
 - return:**
0 on error, 1 otherwise.
 - example:**
`http://localhost:80/setvolume_sampler=100`
- o **GETVOLUME_SAMPLER**
 - action:**
get the sampler volume
 - argument:**
none
 - return:**
volume (0..100)
 - example:**
`http://localhost:80/getvolume_sampler`
- o **SETVOLUME_MONITOR**
 - action:**
set the monitor volume
 - argument:**
volume (0..100)
 - return:**
0 on error, 1 otherwise.
 - example:**
`http://localhost:80/setvolume_monitor=100`
- o **GETVOLUME_MONITOR**
 - action:**
get the monitor volume
 - argument:**
none
 - return:**
volume (0..100)

example:
http://localhost:80/getvolume_monitor

o **SETVOLUME_MASTER**

action:
set the master volume
argument:
volume (0..100)
return:
0 on error, 1 otherwise.
example:
http://localhost:80/setvolume_master=100

o **GETVOLUME_MASTER**

action:
get the master volume
argument:
none
return:
volume (0..100)
example:
http://localhost:80/getvolume_master

o **SETMUTE_PLAYER(n)**

action:
set the player mute
argument:
0 = off
1 = on
return:
0 on error, 1 otherwise.
example:
http://localhost:80/setmute_player1=1

o **GETMUTE_PLAYER(n)**

action:
get the player mute
argument:
none
return:
0 = off
1 = on
example:
http://localhost:80/getmute_player1

o **SETMUTE_SAMPLER**

action:
set the sampler mute
argument:
0 = off
1 = on
return:
0 on error, 1 otherwise.
example:
http://localhost:80/setmute_sampler=1

o **GETMUTE_SAMPLER**

action:
get the sampler mute
argument:
none
return:
0 = off
1 = on
example:
http://localhost:80/getmute_sampler

- **SETMUTE_MONITOR**
 - action:**
set the monitor mute
 - argument:**
0 = off
1 = on
 - return:**
0 on error, 1 otherwise.
 - example:**
`http://localhost:80/setmute_monitorr=1`
- **GETMUTE_MONITOR**
 - action:**
get the monitor mute
 - argument:**
none
 - return:**
0 = off
1 = on
 - example:**
`http://localhost:80/getmute_monitor`
- **SETMUTE_MASTER**
 - action:**
set the master mute
 - argument:**
0 = off
1 = on
 - return:**
0 on error, 1 otherwise.
 - example:**
`http://localhost:80/setmute_master=1`
- **GETMUTE_MASTER**
 - action:**
get the master mute
 - argument:**
none
 - return:**
0 = off
1 = on
 - example:**
`http://localhost:80/getmute_master`
- **PLAYER_LOADFILE(n)**
 - action:**
load a file in the player
 - argument:**
full path + filename
 - return:**
0 on error, 1 otherwise.
 - example:**
`http://localhost:80/player_loadfile1=c:\test.mp3`
- **PLAYER_LOADTRACK(n)**
 - action:**
load a track from the playlist to the player
 - argument:**
index of track (zero based)
 - return:**
0 on error, 1 otherwise.
 - example:**
`http://localhost:80/player_loadtrack1=5`
- **GETGROUPS**
 - action:**
returns all groups from the archive, the hirarchy is organized by tabs

argument:
none
return:
0 on error, 1 otherwise.
example:
`http://localhost:80/getgroups`

o **SELECTGROUP**

action:
select a specific group by it's name
argument:
name of group
return:
0 on error, 1 otherwise.
example:
`http://localhost:80/select_group=Best Of`

o **LIST_CLEAR(n)**

action:
clears the contents of the list
argument:
none.
return:
1 on success, 0 otherwise.
example:
`http://localhost:80/list_clear1`

o **LIST_GETCOUNT(n)**

action:
get the number of track in the list.
argument:
none.
return:
the number of tracks
example:
`http://localhost:80/list_getlength1`

o **LIST_ADDFILE(n)**

action:
add a file to the end of a list
argument:
full path + filename.
return:
1 on success, 0 otherwise.
example:
`http://localhost:80/list_addfile1=c:\test.mp3`

o **LIST_REMOVE(n)**

action:
remove a entry from list
argument:
index in list (zero based).
return:
1 on success, 0 otherwise.
example:
`http://localhost:80/list_remove1=5`

o **LIST_LOAD(n)**

action:
load a playlist file
argument:
full path + filename.
return:
1 on success, 0 otherwise.
example:
`http://localhost:80/list_load1=c:\test.pls`

- o LIST_SAVE(n)**
 - action:**
save a playlist file
 - argument:**
full path + filename.
 - return:**
1 on success, 0 otherwise.
 - example:**
`http://localhost:80/list_save1=c:\test.pls`
- o LIST_COPY(n)**
 - action:**
copy entries from one list to another list
 - argument:**
comma delimited:

1.destination list
1.index in source list
3.index in destination list
 - return:**
1 on success, 0 otherwise.
 - example:**
`http://localhost:80/list_copy1=2,0,3`
- o LIST_MOVE(n)**
 - action:**
move entries from one list to another list (or in the same list)
 - argument:**
comma delimited:

1.destination list
1.index in source list
3.index in destination list
 - return:**
1 on success, 0 otherwise.
 - example:**
`http://localhost:80/list_move1=2,0,3`
- o LIST_GETFILE(n)**
 - action:**
returns the file name of the list entry at index 'argument'.
note: if no argument is specified, returns a list of all the file names in the list separated by '
'.
 - argument:**
index in the list from which to retrieve title.
note : the list is zero indexed so track 1 is 0.
 - return:**
Filename of track or 0 on error.
 - example:**
`http://localhost:80/list_getfile1` (get file name at list index 1)
or
`http://localhost:80/list_getfile` (get a list of file names)
- o LIST_GETARTIST(n)**
 - action:**
returns the artist of the list entry at index 'argument'.
note: if no argument is specified, returns a list of all the artists in the list separated by '
'.
 - argument:**
index in the list from which to retrieve artist.
note : the list is zero indexed so track 1 is 0.
 - return:**
artist of track or 0 on error.
 - example:**
`http://localhost:80/list_getartist1` (get artist at list index 1)
or
`http://localhost:80/list_getartist` (get a list of artists)

o LIST_GETTITLE(n)**action:**

returns the title of the list entry at index 'argument'.
note: if no argument is specified, returns a list of all the titles in the list separated by '
'.

argument:

index in the list from which to retrieve title.
note : the list is zero indexed so track 1 is 0.

return:

title of track or 0 on error.

example:

`http://localhost:80/list_gettitle1` (get title at list index 1)
or
`http://localhost:80/list_gettitle` (get a list of titles)

o LIST_GETVERSION(n)**action:**

returns the version of the list entry at index 'argument'.
note: if no argument is specified, returns a list of all the versions in the list separated by '
'.

argument:

index in the list from which to retrieve version.
note : the list is zero indexed so track 1 is 0.

return:

version of track or 0 on error.

example:

`http://localhost:80/list_getversion1` (get version at list index 1)
or
`http://localhost:80/list_getversion` (get a list of versions)

o LIST_GETALBUM(n)**action:**

returns the album of the list entry at index 'argument'.
note: if no argument is specified, returns a list of all the albums in the list separated by '
'.

argument:

index in the list from which to retrieve album.
note : the list is zero indexed so track 1 is 0.

return:

title of track or 0 on error.

example:

`http://localhost:80/list_getalbum1` (get album at list index 1)
or
`http://localhost:80/list_getalbum` (get a list of albums)

o LIST_GETGENRE(n)**action:**

returns the genre of the list entry at index 'argument'.
note: if no argument is specified, returns a list of all the genres in the list separated by '
'.

argument:

index in the list from which to retrieve genres.
note : the list is zero indexed so track 1 is 0.

return:

genres of track or 0 on error.

example:

`http://localhost:80/list_getgenre1` (get genre at list index 1)
or
`http://localhost:80/list_getgenre` (get a list of genres)

o LIST_GETCOMMENT(n)**action:**

returns the comment of the list entry at index 'argument'.
note: if no argument is specified, returns a list of all the comments in the list separated by '
'.

argument:

index in the list from which to retrieve comment.
note : the list is zero indexed so track 1 is 0.

return:
comment of track or 0 on error.

example:
http://localhost:80/list_getcomment1 (get comment at list index 1)
or
http://localhost:80/list_getcomment (get a list of comments)

o **LIST_GETYEAR(n)**

action:
returns the year of the list entry at index 'argument'.
note: if no argument is specified, returns a list of all the years in the list separated by '
'.

argument:
index in the list from which to retrieve year.
note : the list is zero indexed so track 1 is 0.

return:
year of track or 0 on error.

example:
http://localhost:80/list_getyear1 (get year at list index 1)
or
http://localhost:80/list_getyear (get a list of years)

o **LIST_GETBPM(n)**

action:
returns the bpm of the list entry at index 'argument'.
note: if no argument is specified, returns a list of all the bpm's in the list separated by '
'.

argument:
index in the list from which to retrieve bpm.
note : the list is zero indexed so track 1 is 0.

return:
bpm of track or 0 on error.

example:
http://localhost:80/list_getbpm1 (get bpm at list index 1)
or
http://localhost:80/list_getbpm (get a list of bpm's)

o **LIST_GETTIME(n)**

action:
returns the time of the list entry at index 'argument'.
note: if no argument is specified, returns a list of all the times in the list separated by '
'.

argument:
index in the list from which to retrieve time.
note : the list is zero indexed so track 1 is 0.

return:
time of track or 0 on error.

example:
http://localhost:80/list_gettime1 (get time at list index 1)
or
http://localhost:80/list_gettime (get a list of time)