

# Generated Documentation



## Class PHPSonos

*[line 100]*

### PHPSonos Class

PHPSonos Class originally released as: Sonos PHP Script - Copyright: Michael Maroszek  
- Version: 1.0, 09.07.2009

Wiki: [PHPSonos IPS-WIKI](#)

Die PHPSonos Klasse wurde von Paresy zuerst im Thread Einzelne Sonos Player ansteuern veröffentlicht und später in einer aktualisierten Fassung im Thread PHP Sonos (Klasse zum Ansteuern einzelner Player) als Klasse zur Verfügung gestellt.

Verschiedene IPS Benutzer haben die Klasse inzwischen erweitert oder im zuletzt genannten Thread Hinweise zum Handling ausgetauscht.

Paresy released his first version of PHPsonos in this forum thread Einzelne Sonos Player ansteuern. He later build a class and rereleased his routines in this thread: PHP Sonos (Klasse zum Ansteuern einzelner Player).

There is a growing community of sonos enthusiasts supporting and developing PHPSONOS - we share knowledge and developements in this thread PHP Sonos (Klasse zum Ansteuern einzelner Player)

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## Changelog:

\*

- andre added setter functions
- 110108 - br added comments based on UPNP information from devicespy; also added the function XMLsendPacket to get non filtered answers
- 110120 - br added Set and GetLEDState
- 110202 - br added GetZoneAttributes
- 110202 - br added GetZoneInfo
- 110203 - br added gestposinfo TrackURI (contains x-rincon of the zone master if we are slave)
- 110206 - br added AddMember(Rincon...) and RemoveMember(Rincon...)
- 110207 - br added RamptoVolume
- 110208 - br added calculation of Content-Length to some functions
- 110318 - br fiddled with Playmode (maybe fixed a bug)
- 110318 - br added Get and Set CrossfadeMode
- 110318 - br added SaveQueue
- 110328 - ta lun added GetPlaylist(\$value)
- 110328 - ta lun added GetImportedPlaylists()
- 110328 - ta lun added GetSonosPlaylists()
- 110328 - ta lun added GetCurrentPlaylist()
- 110328 - br corrected titel to title and other things...
- 110328 - br added optional parameter id to SaveQueue
- 110406 - br edited Seek to accept UPNP Unit parameter as option (sec. arg is Target then)
- 110406 - br edited GetPositionInfo to also reflect UPNP return value names
- 110406 - br fixed non valid soap request in seek()
- 110406 - br added return of CurrentURI and CurrentUriMetaData to Get (Current File or QUEUE)
- 110407 - br consolidated SetRadio, SetQueue and SetAVTransportURI
- 110529 - br GetMediaInfo now returns Radio station in the array, key is title
- 110529 - ta lun added browse functions
- 110529 - iamking added GetAlarmTime()
- 110529 - ta lun fixed misc bugs and GetAlarmTime() now returns an array
- 110530 - br edited Browse() to reflect upnp possibilities
- 110601 - br renamed GetAlarmtime to ListAlarms to reflect upnp Names
- 110601 - iamking improved ListAlarms - added ProgramURI, ProgramMetaData, PlayMode, Volume, IncludeLinkedZones
- 110614 - br added parameters to Browse / <http://www.ip-symcon.de/forum/f53/php-sonos-klasse-ansteuern-einzelner-player-7676/index10.html#post120977>
- 110627 - talun edited GetSonosPlaylists: urlencode file
- 110711 - br fixed Problems in SetAVTransportUri
- 110821 - br/talun edited Browse to return duration
- 110821 - br added GetAudioInputAttributes
- 110828 - br added Radiotime Radio Cover for GetPositionInfo (patching in Radiotime Cover URI)
- 110901 - br shifted Radiotime Functions from getpositioninfo to new Function RadiotimeGetNowPlaying (returns array)
- 110905 - br fixed Bug in getpositioninfo for getting the actual Track in a playlist (quickfix)
- 110907 - br deleted, added and edited comment lines

- 110908 - br added phpdoc tags for documentation
- 110909 - br found send off commented out in RemoveMember and reenabled the sending now (TEST?!)

#### Links:

<http://travelmarx.blogspot.com/2010/06/exploring-sonos-via-upnp.html>  
<http://travelmarx.blogspot.com/2011/01/extracting-sonos-playlist-simple-sonos.html>  
<http://opentools.homeip.net/dev-tools-for-upnp>  
<http://www.ip-symcon.de/forum/f53/php-sonos-klasse-ansteuern-einzeln-player-7676/>  
<http://your.sonos.i.p:1400/status>  
<http://your.sonos.i.p:1400/support/review>  
[http://play.er.i.p:1400/xml/zone\\_player.xml](http://play.er.i.p:1400/xml/zone_player.xml)

- **Package** PHPSonos
- **Author** Michael Maroszek < [office@ip-symcon.de](mailto:office@ip-symcon.de) > and many others
- **Version** see date of edit
- **Copyright** original 1.0 version Michael Maroszek; later additions if not otherwise stated are released to public domain

Constructor *void* function PHPSonos::\_\_construct(\$address) [*line 102*]

#### **Function Parameters:**

- **\$address**

- **Access** public

Array function PHPSonos::AddMember(\$MemberID) [*line 531*]

#### **Function Parameters:**

- *string* **\$MemberID** LocalUUID/ Rincon of Player to add

**Adds a Member to a existing ZoneGroup (a single player is also considered a existing**

group)

- **Device:** urn:schemas-upnp-org:device:ZonePlayer:1
- **WSDL:** http://play.er.i.p:1400/xml/zone\_player.xml
- **Service:** urn:upnp-org:serviceId:GroupManagement
- **Returns:** array with CurrentTransportsettings and GroupUUIDJoined as keys

- **Link** [Wiki](#)
- **Access** public

String function PHPSonos::AddToQueue(\$file) [*line 1586*]

**Function Parameters:**

- *string* **\$file** Uri or Filename

### Adds URI to Queue (not the Playlist!!)

- **NOTE:** Works on queue
- **Device:** urn:schemas-upnp-org:device:MediaRenderer:1
- **WSDL:** fill in
- **Service:** urn:schemas-upnp-org:service:AVTransport:1
- **Returns:** Sendpacket returns

- **Access** public

Array function PHPSonos::Browse(\$value, [\$meta = "BrowseDirectChildren"], [\$filter = ""], [\$sindex = "0"], [\$rcount = "1000"], [\$sc = ""]) [*line 1927*]

**Function Parameters:**

- *string* **\$value** ObjectID

- *string* **\$meta** BrowseFlag
- *string* **\$filter** Filter
- *string* **\$sindex** SearchIndex
- *string* **\$rcount** ResultCount
- *string* **\$sc** SortCriteria

### Universal function to browse ContentDirectory

- **NOTE:** please use upnp and sonos documentation to get an idea of the return
- **Device:** urn:schemas-upnp-org:device:MediaServer:1
- **WSDL:** fill in
- **Service:** urn:upnp-org:serviceId:ContentDirectory
- **Returns:** Array with Metadata; please use upnp and sonos documentation to get an idea of the return

- **Access** public

*String* function PHPSonos::ClearQueue() [*line 1557*]

### Clears devices Queue

- **NOTE:** This function clears the actual playing queue but not the actually selected playlist
- **Device:** urn:schemas-upnp-org:device:MediaRenderer:1
- **WSDL:** fill in
- **Service:** urn:schemas-upnp-org:service:AVTransport:1
- **Returns:** Sendpacket returns

- **Access** public

*Array* function PHPSonos::GetAudioInputAttributes() [*line 244*]

#### **Get information of devices inputs**

- **Device:** urn:schemas-upnp-org:device:ZonePlayer:1
- **WSDL:** http://play.er.i.p:1400/xml/zone\_player.xml
- **Service:** urn:upnp-org:serviceId:AudioIn

- **Link** [Forum-Post](#)
- **Access** public

*Boolean* function PHPSonos::GetCrossfadeMode() [*line 739*]

#### **Get info on actual crossfademode**

- **Device:** urn:schemas-upnp-org:device:MediaRenderer:1
- **WSDL:** fill in
- **Service:** urn:schemas-upnp-org:service:AVTransport:1
- **Returns:** Boolean

- **Access** public

*String* function PHPSonos::GetCurrentPlaylist() [*line 1678*]

#### **Returns an array with the songs of the actual sonos queue**

- **NOTE:** Wrapper for Browse
- **Device:** urn:schemas-upnp-org:device:MediaServer:1
- **WSDL:** fill in
- **Service:** urn:upnp-org:serviceId:ContentDirectory
- **Returns:** (String) Playlist ID



- **Access** public

*Array* function PHPSonos::GetImportedPlaylists() [*line 1797*]

### **Returns an array with all imported PL**

- **NOTE:** Wrapper for Browse
- **Device:** urn:schemas-upnp-org:device:MediaServer:1
- **WSDL:** fill in
- **Service:** urn:upnp-org:serviceId:ContentDirectory
- **Returns:** Array with all imported PL (Share, Mediaplayer, itunes....)

- **Access** public

*Boolean* function PHPSonos::GetLEDState() [*line 496*]

### **Gets the state of the white LED**

- **Device:** urn:schemas-upnp-org:device:ZonePlayer:1
- **WSDL:** http://play.er.i.p:1400/xml/zone\_player.xml
- **Service:** urn:upnp-org:serviceId:DeviceProperties

- **Link** [Wiki](#)
- **Access** public

*Array* function PHPSonos::GetMediaInfo() [*line 1241*]

### **Gets Media Info**

- **Device:** urn:schemas-upnp-org:device:MediaRenderer:1
- **WSDL:** fill in
- **Service:** urn:schemas-upnp-org:service:AVTransport:1
- **Returns:**

```

1      Array      (
2          [CurrentURI] =>
http://192.168.0.2:10243/WMPNSSv4/1458092455/0_ezg1ODYxQzMwLTExNzgtNDc0Ri05MkQ0LTQxNzE1MDQ0MjMyMX0uMC40.mp3
3          [CurrentURIMetaData] => <          DIDL-Lite xmlns:dc="http://purl.org/dc/elements/1.1/"
xmlns:upnp="urn:schemas-upnp-org:metadata-1-0/upnp/"          xmlns="urn:schemas-upnp-
org:metadata-1-0/DIDL-Lite/"          > <          item id="{85861C30-1278-474F-92D4-
417150442321}.0.4"          restricted="0"          parentID="4"          >
<          dc:title> Car Crazy Cutie</          dc:title>          <          dc:creator> Beach
Boys</          dc:creator>          <          res size="2753092"          duration="0:02:50.000"
bitrate="16000"          protocolInfo="http-
get:*:audio/mpeg:DLNA.ORG_OP=01;DLNA.ORG_FLAGS=01500000000000000000000000000000"
sampleFrequency="44100"          bitsPerSample="16"          nrAudioChannels="2"
microsoft:codec="{00000055-0000-0010-8000-00AA00389B71}"          xmlns:microsoft="urn:schemas-
microsoft-com:WMPNSS-1-
0/"          > http://192.168.0.2:10243/WMPNSSv4/1458092455/0_ezg1ODYxQzMwLTExNzgtNDc0Ri05MkQ0LTQxNzE1MDQ0MjMyMX0uMC40.mp3</res>          <res duration="0:02:50.000"
bitrate="16000" protocolInfo="http-
get:*:audio/mpeg:DLNA.ORG_PN=MP3;DLNA.ORG_OP=10;DLNA.ORG_CI=1;DLNA.ORG_FLAGS=01500000000000000000000000000000" sampleFrequency="44100" nrAudioChannels="1" microso
4          [title] => Car Crazy Cutie          )

```

- **NOTE:** SOAP returns CurrentURIMetaData this has to be parsed

- **Access public**

*string* function PHPSonos::GetMute() [*line 1083*]  
**Gets mute/ unmute status for a player**

- **Device:** urn:schemas-upnp-org:device:MediaRenderer:1
- **WSDL:** fill in
- **Service:** urn:schemas-upnp-org:service:AVTransport:1
- **Returns:** String; sendpacket Return

- **Access public**

*Array* function PHPSonos::GetPlaylist(\$value) [*line 1854*]

### Function Parameters:

- *string* **\$value** Id of the playlist

### Returns an array with all songs of a specific Playlist

- **NOTE:** Wrapper for Browse
- **Device:** urn:schemas-upnp-org:device:MediaServer:1
- **WSDL:** fill in
- **Service:** urn:upnp-org:serviceId:ContentDirectory
- **Returns:** Array with MetaData on the songs

- **Access** public

Array function PHPSonos::GetPositionInfo() [line 1324]

### Gets position info

- **NOTE:** this is one of the most interesting and complex functions with most interesting informations! You may get radio and zonegroup info out of parsing this information!
- **Device:** urn:schemas-upnp-org:device:MediaRenderer:1
- **WSDL:** fill in
- **Service:** urn:schemas-upnp-org:service:AVTransport:1
- **Returns:** Example:

```
1      Array
2      (
3          [position] =>      0:00:59
4          [RelTime] =>      0:00:59
5          [duration] =>     0:01:51
6          [TrackDuration] => 0:01:51
7          [URI] =>
8      http://zzz.yyy.0.x:10243/WMPNSSv4/1458092455/0_ezRENTU5NjFDLUE3MDctNDIwRC04NTc4LUFODDgxQTVFMzMxQX0uMC40.mp3
9          [TrackURI] =>
10     http://192.168.0.x:10243/WMPNSSv4/1458092455/0_ezRENTU5NjFDLUE3MDctNDIwRC04NTc4LUFODDgxQTVFMzMxQX0uMC40.mp3
11     [artist] =>      Beach Bxxx...
12     [title] =>      Cher... What?
13     [album] =>      Little Deuce...
14     [albumArtURI] =>
15     http://zzz.168.y.xxx:1400/getaa?u=http://zzz.168.y.xxx:10243/WMPNSSv4/1458092455/0_ezRENTU5NjFDLUE3MDctNDIwRC04NTc4LUFODDgxQTVFMzMxQX0uMC40.mp3&v=279
16     [albumArtist] =>      Beach xxx...
17     [albumTrackNumber] =>      5
18     [streamContent] =>
19     [trackURI] =>
```

```
17         [Track] => 1
18     )
```

- **Access** public

Array function PHPSonos::GetSonosPlaylists() [line 1744]

### Returns an array with all sonos playlists

- **NOTE:** Wrapper for Browse
- **Device:** urn:schemas-upnp-org:device:MediaServer:1
- **WSDL:** fill in
- **Service:** urn:upnp-org:serviceId:ContentDirectory
- **Returns:** Array with all Sonos PI

- **Access** public

Array function PHPSonos::GetTransportInfo() [line 1198]

### Gets transport settings for a renderer

- **Device:** urn:schemas-upnp-org:device:MediaRenderer:1
- **WSDL:** fill in
- **Service:** urn:schemas-upnp-org:service:AVTransport:1
- **Returns:** Array with "repeat" and "shuffle" as keys and true/false as value
- **NOTE:** SOAP return sometimes is PLAYING; I don't know what this means, maybe only Radio (see the code below).

- **Access** public

Array function PHPSonos::GetTransportSettings() [line 1137]

#### **Gets transport settings for a renderer**

- **Device:** urn:schemas-upnp-org:device:MediaRenderer:1
- **WSDL:** fill in
- **Service:** urn:schemas-upnp-org:service:AVTransport:1
- **Returns:** Array with "repeat" and "shuffle" as keys and true/false as value
- **NOTE:** SOAP return sometimes is PLAYING; I don't know what this means, maybe only Radio (see the code below).

- **Access** public

String function PHPSonos::GetVolume() [line 1027]

#### **Gets current volume information from player**

- **Device:** urn:schemas-upnp-org:device:MediaRenderer:1
- **WSDL:** fill in
- **Service:** urn:schemas-upnp-org:service:AVTransport:1
- **Returns:** String; sendpacket Return

- **Access** public

Array function PHPSonos::GetZoneAttributes() [line 311]

#### **Reads Zone Attributes**

- **Link** [Wiki](#)
- **Access** public

Array function PHPSonos::GetZoneInfo() [*line 377*]

### **Reads Zone Information**

- **Device:** urn:schemas-upnp-org:device:ZonePlayer:1
- **WSDL:** http://play.er.i.p:1400/xml/zone\_player.xml
- **Service:** urn:upnp-org:serviceId:DeviceProperties
- **Returns:** Example:

```

1      Array
2      (
3          [SerialNumber] =>      00-zz-58-32-yy-xx:5
4          [SoftwareVersion] =>    15.4-442xx
5          [DisplaySoftwareVersion] =>    3.5.x
6          [HardwareVersion] =>    1.16.3.z-y
7          [IPAddress] =>        yy.y.168.z.xxx
8          [MACAddress] =>        00:zz:58:32:yy:xx
9          [CopyrightInfo] =>      © 2004-2007 Sonos, Inc. All Rights Reserved.
10         [ExtraInfo] =>        OTP: 1.1.x(1-yy-3-0.x)
11     )

```

- **Link** [Wiki](#)
- **Access** public

Array function PHPSonos::ListAlarms() [*line 131*]

### **Returns a list of alarms from sonos device**

- **Device:** urn:schemas-upnp-org:device:ZonePlayer:1
- **WSDL:** http://play.er.i.p:1400/xml/zone\_player.xml
- **Service:** urn:upnp-org:serviceId:AlarmClock

- **Link** [Forum-Post](#)
- **Access** public

Void function PHPSonos::Next() [line 881]

### **NEXT**

- **NOTE:** Please look at the Soap Method GetCurrentTransportActions (which returns valid actions)
- **Device:** urn:schemas-upnp-org:device:MediaRenderer:1
- **WSDL:** fill in
- **Service:** urn:schemas-upnp-org:service:AVTransport:1
- **Returns:** Void; should be sendpacket contents

- **Access** public

Void function PHPSonos::Pause() [line 829]

### **PAUSE pauses playback**

- **NOTE:** It is NOT always possible to send a PAUSE command (so you may get an error)!!  
Please look at the Soap Method GetCurrentTransportActions (which returns valid actions)
- **Device:** urn:schemas-upnp-org:device:MediaRenderer:1
- **WSDL:** fill in
- **Service:** urn:schemas-upnp-org:service:AVTransport:1
- **Returns:** Void; should be sendpacket contents

- **Access** public

Void function PHPSonos::Play() [line 855]

### **PLAY plays or continues playback**

- **NOTE:** It is sometimes necessary to send a play after messing with zonegroups and/or starting a new play on a new uri  
Please look at the Soap Method GetCurrentTransportActions (which returns valid

actions)

- **Device:** urn:schemas-upnp-org:device:MediaRenderer:1
- **WSDL:** fill in
- **Service:** urn:schemas-upnp-org:service:AVTransport:1
- **Returns:** Void; should be sendpacket contents

- **Access** public

Void function PHPSonos::Previous() [*line 907*]

#### PREVIOUS

- **NOTE:** Please look at the Soap Method GetCurrentTransportActions (which returns valid actions)
- **Device:** urn:schemas-upnp-org:device:MediaRenderer:1
- **WSDL:** fill in
- **Service:** urn:schemas-upnp-org:service:AVTransport:1
- **Returns:** Void; should be sendpacket contents

- **Access** public

Array function PHPSonos::RadiotimeGetNowPlaying() [*line 2052*]

- NOTE: it's maybe better to use SOAP to get this information

- **Device:** -
- **WSDL:** -
- **Service:** -
- **Returns:** Array with Version info and logos

- **Access** public



Void function PHPSonos::RampToVolume(\$ramp\_type, \$volume) [line 645]

**Function Parameters:**

- *string* **\$ramp\_type** Ramp\_type  
Ramps Volume to \$volume using the Method mentioned in \$ramp\_type as string:  
"SLEEP\_TIMER\_RAMP\_TYPE" - mutes and ups Volume per default within 17 seconds to desiredVolume  
"ALARM\_RAMP\_TYPE" -Switches audio off and slowly goes to volume  
"AUTOPLAY\_RAMP\_TYPE" - very fast and smooth; Implemented from Sonos for the autoplay feature.
- *string* **\$volume** DesiredVolume

**Ramps Volume to \$volume using \$ramp\_type ; different algorithms are possible**

- **Device:** urn:schemas-upnp-org:device:MediaRenderer:1
- **WSDL:** fill in
- **Service:** urn:upnp-org:serviceId:RenderingControl
- **Returns:** Function Should return Rampseconds but this is NOT implemented!

- **Link** [Wiki](#)
- **Access** public

*string* function PHPSonos::RemoveFromQueue(\$track) [line 1615]

**Function Parameters:**

- *string* **\$track** Tracknumber/id to remove from current sonos queue (!)

**Removes track from queue (not the Playlist!!)**

- **NOTE:** Works on queue
- **Device:** urn:schemas-upnp-org:device:MediaRenderer:1
- **WSDL:** fill in

- **Service:** urn:schemas-upnp-org:service:AVTransport:1
- **Returns:** Sendpacket returns

- **Access** public

String function PHPSonos::RemoveMember(\$MemberID) [line 586]

**Function Parameters:**

- *string* **\$MemberID** LocalUUID/ Rincon of Player to remove

**Removes a Member from an existing ZoneGroup (a single player is also considered an existing group and the action will result in muting the player)**

- **Device:** urn:schemas-upnp-org:device:ZonePlayer:1
- **WSDL:** http://play.er.i.p:1400/xml/zone\_player.xml
- **Service:** urn:upnp-org:servicId:GroupManagement
- **Returns:** for now the sendPacketAnswer

- **Link** [Wiki](#)
- **Access** public

String function PHPSonos::Rewind() [line 974]

**REWIND**

- **Device:** urn:schemas-upnp-org:device:MediaRenderer:1
- **WSDL:** fill in
- **Service:** urn:schemas-upnp-org:service:AVTransport:1
- **Returns:** String; should be sendpacket Return
- **SOAP** this Functions calls seek REL\_TIME with target set to 00:00:00  
There is a also a function called previous.

- **Access** public

*string* function PHPSonos::SaveQueue(\$title, [\$id = ""]) [*line 708*]

**Function Parameters:**

- *string* **\$title** Title of Playlist
- *string* **\$id** Playlists ID (optional)

### Save current queue off to sonos

- **NOTE:** If you don't set the id to the playlist's id you want to edit, you'll get duplicate playlists with the same name \$title!!
- **Device:** urn:schemas-upnp-org:device:MediaRenderer:1
- **WSDL:** fill in
- **Service:** urn:schemas-upnp-org:service:AVTransport:1
- **Returns:** Sendpacket contents

- **Link** [Wiki](#)
- **Access** public

*String* function PHPSonos::Seek(\$arg1, [\$arg2 = "NONE"]) [*line 936*]

**Function Parameters:**

- *string* **\$arg1** Unit ("TRACK\_NR" || "REL\_TIME" || "SECTION")
- *string* **\$arg2** Target (if this Arg is not set Arg1 is considered to be "REL\_TIME" and the real arg1 value is set as arg2 value)

## SEEK

- **NOTE:** Please look at the Soap Method GetCurrentTransportActions (which returns valid actions)
- **Device:** urn:schemas-upnp-org:device:MediaRenderer:1
- **WSDL:** fill in
- **Service:** urn:schemas-upnp-org:service:AVTransport:1
- **Returns:** String; should be sendpacket contents as array

- **Access** public

*String* function PHPSonos::SetAVTransportURI(\$tspuri, [\$MetaData = ""]) [*line 1508*]

### **Function Parameters:**

- *string* **\$tspuri** Transport URI
- *string* **\$MetaData** (optional for MetaData)

## Sets Av Transport URI

- **NOTE:** Main SOAP method to set play URI - this is SetAVTTTransportURI
- **Device:** urn:schemas-upnp-org:device:MediaRenderer:1
- **WSDL:** fill in
- **Service:** urn:schemas-upnp-org:service:AVTransport:1
- **Returns:** sendpacket return

- **Access** public

*Void* function PHPSonos::SetCrossfadeMode(\$mode) [*line 771*]

### **Function Parameters:**

- *string* **\$mode** Enable/ Disable = 1/0 (string) = true /false (boolean)

### Set crossfade to true or false

- **Device:** urn:schemas-upnp-org:device:MediaRenderer:1
- **WSDL:** fill in
- **Service:** urn:schemas-upnp-org:service:AVTransport:1
- **Returns:** Void; should return sendpacket return

- **Link** [Wiki](#)
- **Access** public

*Boolean* function PHPSonos::SetLEDState(\$state) [*line 463*]

#### **Function Parameters:**

- *string* **\$state** true||false value or On / Off

### Sets the state of the white LED

- **Device:** urn:schemas-upnp-org:device:ZonePlayer:1
- **WSDL:** http://play.er.i.p:1400/xml/zone\_player.xml
- **Service:** urn:upnp-org:serviceId:DeviceProperties

- **Link** [Wiki](#)
- **Access** public

*String* function PHPSonos::SetMute(\$mute) [*line 1054*]

#### **Function Parameters:**

- *string* **\$mute** Mute unmute as (boolean)true/false or (string)1/0

### Sets mute/ unmute for a player

- **Device:** urn:schemas-upnp-org:device:MediaRenderer:1
- **WSDL:** fill in
- **Service:** urn:schemas-upnp-org:service:AVTransport:1
- **Returns:** String; sendpacket Return

- **Access** public

*String* function PHPSonos::SetPlayMode(\$mode) [*line 1111*]

#### **Function Parameters:**

- *string* **\$mode** "NORMAL" || "REPEAT\_ALL" || "SHUFFLE\_NOREPEAT" || "SHUFFLE"

### Sets Playmode for a renderer (could affect more than one zone!)

- **Device:** urn:schemas-upnp-org:device:MediaRenderer:1
- **WSDL:** fill in
- **Service:** urn:schemas-upnp-org:service:AVTransport:1
- **Returns:** String; sendpacket Return

- **Access** public

*Void* function PHPSonos::SetQueue(\$queue, [\$MetaData = ""]) [*line 1539*]

#### **Function Parameters:**

- *string* **\$queue** transport URI or Queue
- *string* **\$MetaData** (optional for MetaData)

## Sets Queue

- **NOTE:** This is only a Wrapper for setting a queue via SetAVTransportURI
- **Device:** urn:schemas-upnp-org:device:MediaRenderer:1
- **WSDL:** fill in
- **Service:** urn:schemas-upnp-org:service:AVTransport:1
- **Returns:** Void

- **Access** public

*array* function PHPSonos::SetRadio(\$radio, [\$Name = "IP-Symcon Radio"]) [*line 1485*]

### **Function Parameters:**

- **\$radio**
- **\$Name**

## Play Radio station

- **NOTE:** This is only a SetAVTTransportURI Wrapper
- **Device:** urn:schemas-upnp-org:device:MediaRenderer:1
- **WSDL:** fill in
- **Service:** urn:schemas-upnp-org:service:AVTransport:1
- **Returns:** Array with \$radio and \$ MetaData as key

- **Access** public

*string* function PHPSonos::SetTrack(\$track) [*line 1644*]

**Function Parameters:**

- *string* **\$track** Number/ID of the track to play in queue

### **Jumps directly to the track**

- **NOTE:** I think I never used this method (br) ... ever used direkt seek call. So note this is only a wrapper!
- **Device:** urn:schemas-upnp-org:device:MediaRenderer:1
- **WSDL:** fill in
- **Service:** urn:schemas-upnp-org:service:AVTransport:1
- **Returns:** Sendpacket returns

- **Access** public

*String* function PHPSonos::SetVolume(\$volume) [*line 1002*]

**Function Parameters:**

- *string* **\$volume** Volume in percent

### **Sets volume for a player**

- **Device:** urn:schemas-upnp-org:device:MediaRenderer:1
- **WSDL:** fill in
- **Service:** urn:schemas-upnp-org:service:AVTransport:1
- **Returns:** String; sendpacket Return



- **Access** public

Void function PHPSonos::Stop() *[line 802]*

### **STOP Stops playback**

- **NOTE:** It is sometimes necessary to send a stop after removing a zone from a group
- **Device:** urn:schemas-upnp-org:device:MediaRenderer:1
- **WSDL:** fill in
- **Service:** urn:schemas-upnp-org:service:AVTransport:1
- **Returns:** Void; should be sendpacket contents

- **Access** public

Void function PHPSonos::SubscribeMRAVTransport(\$callback) *[line 679]*

### **Function Parameters:**

- *string* **\$callback** CallbackURL Well gat a HTTP Callback at this URI (SOAP)

### **TEST Function for MediaRenderAVT Callback and IPS Register Vars**

- **Device:** urn:schemas-upnp-org:device:MediaRenderer:1
- **WSDL:** fill in
- **Service:** urn:schemas-upnp-org:service:AVTransport:1 none
- **Returns:** Sendpacket contents

Void function PHPSonos::UpdateAlarm(\$id, \$startzeit, \$duration, \$welchetage, \$an, \$roomid, \$programm, \$programmmeta, \$playmode, \$volume, \$linkedzone, \$programmmeta) *[line 198]*

### **Function Parameters:**

- *string* **\$id** Id of the Alarm
- *string* **\$startzeit** StartLocalTime

- *string* **\$duration** Duration
- *string* **\$welchetag** Recurrence
- *string* **\$an** Enabled? (true/false)
- *string* **\$roomid** Room UUID
- *string* **\$programm** ProgramUri
- *string* **\$programmmeta** ProgramMetadata
- *string* **\$playmode** PlayMode
- *string* **\$volume** Volume
- *string* **\$linkedzone** IncludeLinkedZones
- **\$programmmeta**

### Updates an existing alarm

- **Device:** urn:schemas-upnp-org:device:ZonePlayer:1
- **WSDL:** http://play.er.i.p:1400/xml/zone\_player.xml
- **Service:** urn:upnp-org:serviceId:AlarmClock

- **Link** [Forum-post](#)
- **Access** public

# PHPSonos.inc.php

## PHPSonos.inc.php

PHPSonos Class originally released as: Sonos PHP Script - Copyright: Michael Maroszek  
- Version: 1.0, 09.07.2009

Wiki: [PHPSonos IPS-WIKI](#)

- **Package** PHPSonos-inc-php
- **Author** Michael Maroszek < [office@ip-symcon.de](mailto:office@ip-symcon.de) > and many others
- **Version** see date of edit
- **Copyright** original 1.0 version Michael Maroszek; later additions if not otherwise stated are released to public domain

## Appendix A - Class Trees

Package PHPSonos-inc-php

Package PHPSonos

### PHPSonos

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