

# 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-einzeln-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 Raditiome 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 514*]

#### **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

*void function PHPSonos::AddToQueue(\$file) [line 1379]*

### **Function Parameters:**

- **\$file**

- **Access** public

*void function PHPSonos::Browse(\$value, [\$meta = "BrowseDirectChildren"], [\$filter = ""], [\$sindex = "0"], [\$rcount = "1000"], [\$sc = ""]) [line 1637]*

### **Function Parameters:**

- **\$value**
- **\$meta**
- **\$filter**
- **\$sindex**
- **\$rcount**
- **\$sc**

- **Access** public

*void* function PHPSonos::ClearQueue() [*line 1363*]

- **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

*sBoolean* function PHPSonos::GetCrossfadeMode(\$title, \$id) [*line 730*]

### **Function Parameters:**

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

### **Get info on crossfademode**

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

- **Access** public

*void* function PHPSonos::GetCurrentPlaylist() [*line 1435*]

```
***** // urn:schemas-upnp-org:device:MediaServer:1 *****  
*****
```

- **Access** public

*void* function PHPSonos::GetImportedPlaylists() [*line 1534*]

- **Access** public

*Boolean* function PHPSonos::GetLEDState() [*line 479*]

**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

*void* function PHPSonos::GetMediaInfo() [*line 1126*]



- **Access** public

*void* function PHPSonos::GetMute() [*line 1019*]

- **Access** public

*void* function PHPSonos::GetPlaylist(\$value) [*line 1581*]

**Function Parameters:**

- **\$value**

- **Access** public

*void* function PHPSonos::GetPositionInfo() [*line 1180*]

- **Access** public

*void* function PHPSonos::GetSonosPlaylists() [*line 1491*]

- **Access** public

*void* function PHPSonos::GetTransportInfo() [*line 1101*]

- **Access** public

*void* function PHPSonos::GetTransportSettings() [*line 1051*]

- **Access** public

*void* function PHPSonos::GetVolume() [*line 985*]

- **Access** public

*Array* function PHPSonos::GetZoneAttributes() [*line 305*]

### **Reads Zone Attributes**

- **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::GetZoneInfo() [*line 360*]

### **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

- **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 865*]

### NEXT

- **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 816*]

### PAUSE

- **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 840*]

### **Play**

- **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 890*]

### **PREVIOUS**

- **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::RadiotimeGetNowPlaying() [*line 1750*]

\*\*\*\*\*

\*\*\*\*\*

- **Access** public

Void function PHPSonos::RampToVolume(\$ramp\_type, \$volume) [line 631]

**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

void function PHPSonos::RemoveFromQueue(\$track) [line 1395]

**Function Parameters:**

- **\$track**

- **Access** public

*String* function PHPSonos::RemoveMember(\$MemberID) [*line 571*]

**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:serviceId:GroupManagement
- **Returns:** for now the sendPacketAnswer

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

*string* function PHPSonos::Rewind() [*line 953*]

**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

- **Access** public

*string* function PHPSonos::SaveQueue(\$title, [\$id = ""]) [*line 697*]

**Function Parameters:**

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

### Save current queue off to sonos

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

- **Access** public

*string* function PHPSonos::Seek(\$arg1, [\$arg2 = "NONE"]) [*line 918*]

#### **Function Parameters:**

- *string* **\$arg1** Unit
- *string* **\$arg2** Position

### SEEK

- **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

*void function* PHPSonos::SetAVTransportURI(\$tspuri, [\$MetaData = ""]) [*line 1339*]

**Function Parameters:**

- **\$tspuri**
- **\$MetaData**

- **Access** public

*void function* PHPSonos::SetCrossfadeMode(\$mode) [*line 761*]

**Function Parameters:**

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

### 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  
Note: If you don't set \$id you may get duplicate playlists!!!

- **Access** public

*Boolean function* PHPSonos::SetLEDState(\$state) [*line 446*]

**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

void function PHPSonos::SetMute(\$mute) [*line 1001*]

**Function Parameters:**

- **\$mute**

- **Access** public

void function PHPSonos::SetPlayMode(\$mode) [*line 1035*]

**Function Parameters:**

- **\$mode**

- **Access** public

void function PHPSonos::SetQueue(\$queue, [\$MetaData = ""]) [*line 1356*]

**Function Parameters:**

- **\$queue**
- **\$MetaData**

- **Access public**

*void function PHPSonos::SetRadio(\$radio, [\$Name = "IP-Symcon Radio"]) [line 1330]*

***Function Parameters:***

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

- **Access public**

*void function PHPSonos::SetTrack(\$track) [line 1411]*

***Function Parameters:***

- **\$track**

- **Access public**

*void function PHPSonos::SetVolume(\$volume) [line 969]*

***Function Parameters:***

- **\$volume**

- **Access public**

*void* function PHPSonos::Stop() [*line 791*]

## **STOP**

- **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 671*]

### **Function Parameters:**

- *string* **\$callback** CallbackURL

## **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* **\$welchetage** Recurrence

- *string* **\$an** Enabled?
- *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

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