Skip to content Sound(ID)

```
base classes — bpy_struct, ID
```

class bpy.types.Sound(ID)

Sound data-block referencing an external or packed sound file

channels

Definition of audio channels

- INVALID Invalid Invalid.
- MONO Mono Mono.
- STEREO Stereo Stereo.
- STEREO LFE Stereo LFE Stereo FX.
- CHANNELS 4 4 Channels 4 Channels.
- CHANNELS 5 5 Channels 5 Channels.
- SURROUND 51 5.1 Surround 5.1 Surround.
- SURROUND 61 6.1 Surround -6.1 Surround.
- SURROUND 71 7.1 Surround 7.1 Surround.

TYPE:

```
enum in ['INVALID', 'MONO', 'STEREO', 'STEREO_LFE', 'CHANNELS_4', 'CHANNELS_5', 'SURROUND_51', 'SURROUND_61', 'SURROUND_71'], default 'INVALID', (readonly)
```

filepath

Sound sample file used by this Sound data-block

TYPE:

```
string, default ", (never None)
```

packed file

TYPE:

```
PackedFile, (readonly)
```

samplerate

Sample rate of the audio in Hz

TYPE:

```
int in [-inf, inf], default 0, (readonly)
```

use memory cache

The sound file is decoded and loaded into RAM

TYPE:

boolean, default False

use_mono

If the file contains multiple audio channels they are rendered to a single one

TYPE:

boolean, default False

factory

The aud. Factory object of the sound.

```
(readonly)
     pack()
         Pack the sound into the current blend file
     unpack(*, method='USE LOCAL')
         Unpack the sound to the samples filename
         PARAMETERS:
             method (enum in Unpack Method Items, (optional)) - method, How to unpack
     classmethod bl_rna_get_subclass(id, default=None)
         PARAMETERS:
             id (str) – The RNA type identifier.
         RETURNS:
             The RNA type or default when not found.
         RETURN TYPE:
             bpy.types.Struct subclass
     classmethod bl_rna_get_subclass_py(id, default=None)
         PARAMETERS:
             id(str) – The RNA type identifier.
         RETURNS:
             The class or default when not found.
         RETURN TYPE:
             type
Inherited Properties
```

• bpy_struct.id_data • ID.is missing • ID.name • ID.is runtime data • ID.name full • ID.is editable • ID.id_type • ID.tag • ID.session uid • ID.is library indirect • ID.is_evaluated • ID.library • ID.original • ID.library_weak_reference • ID.users • ID.asset data • ID.use fake user • ID.override library • ID.use_extra_user • ID.preview • ID.is embedded data

Inherited Functions

- bpy_struct.as_pointer • bpy_struct.driver_add • bpy struct.driver remove • bpy struct.get • bpy_struct.id_properties_clear ▲ Bulli callings sa culturates la cultura
- bpy_struct.type_recast • bpy_struct.values
- ID.rename
- ID.evaluated get
- ID.copy

- ppy struct.ia properties ensure
- bpy_struct.id_properties_ui
- bpy struct.is property hidden
- bpy struct.is property overridable library ID.override create
- bpy struct.is property readonly
- bpy_struct.is_property_set
- bpy struct.items
- bpy_struct.keyframe_delete
- bpy struct.keyframe insert
- bpy_struct.keys
- bpy struct.path from id
- bpy struct.path resolve
- bpy_struct.pop
- bpy struct.property overridable library set ID.bl rna get subclass
- bpy_struct.property_unset

- ıµ.asset_marĸ
- ID.asset_clear
- ID.asset generate preview
- ID.override hierarchy create
- ID.user clear
- ID.user remap
- ID.make local
- ID.user of id
- ID.animation_data_create
- ID.animation data clear
- ID.update tag
- ID.preview_ensure
- ID.bl_rna_get_subclass_py

References

- BlendData.sounds
- BlendDataSounds.load
- BlendDataSounds.remove
- SoundStrip.sound
- Speaker.sound

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SoundEqualizerModifier(StripModifier)