# Hauptwerk ODF objects relationship chart

**Legend :**

**Object Type**

{ object ID }

Parent object ID
(owner or controller)

Child object ID
(member or controlled)

Other interresting
attributes

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**_General**
{ Sys_ObjectID }
Identification_UniqueOrganID
OrganInfo_InstallationPackageID
OrganInfo_...
Display_ConsoleScreenWidth...
Display_ConsoleScreenHeight...
SpecialObjects_DefaultDisplayPageID
SpecialObjects_MasterCaptureSwitchID

**RequiredInstallationPackage**
{ InstallationPackageID }
Manufacturer...

**TextInstance**
{ TextInstanceID }
TextStyleID
DisplayPageID
Text
XPosPixels
YposPixels
AttachedToAnImageSetInstance
AttachedToImageSetInstanceID

**TextStyle**
{ StyleID }
Font_...
Colour_...
...AlignmentCode

**ThreePositionSwitchImage**
???

**DisplayPage**
< PageID >

**ImageSetInstance**
{ ImageSetInstanceID }
ImageSetID
DisplayPageID
DefaultImageIndexWithinSet
LeftXPosPixels
TopYPosPixels

**ImageSet**
{ ImageSetID }
InstallationPackageID
ImageWidthPixels
ImageHeightPixels
ClickableArea...
TransparencyMaskFilename

**ImageSetElement**
ImageSetID
ImageIndexWithinSet
BitmapFilename

**ReversiblePiston**
???

**Keyboard**
{ KeyboardID }
KeyGen_DisplayPageID
KeyGen_KeyImageSetID
KeyGen_GenerateKeysAuto
KeyGen_NumberOfKeys
KeyGen_LeftXPos
KeyGen_TopYPos

**KeyImageSet**
{ KeyImageSetID }
KeyShapeImageSetID_...
ImageIndexWithinImageSets_...
HorizSpacingPixels_...

**ContinuousControlImageSetStage**
ImageSetID
ImageSetIndex

**SwitchLinkage**
ConditionSwitchID
SourceSwitchID
DestSwitchID

**SwitchExclusiveSelectGroup**
{ GroupID }

**ContinuousControl**
{ ControlID }
ImageSetInstanceID
Clickable

**ContinuousControlDoubleLinkage**
FirstSourceControl_ID
SecondSourceControl_ID
DestControl_ID

**KeyAction**
SourceKeyboardID
DestKeyboardID
DestDivisionID
ConditionSwitchID
ActionTypeCode
ActionEffectCode
NumberOfKeys

**KeyboardKey**
KeyboardID
SwitchID
NormalMIDINoteNumber

**SwitchExclusiveSelectGroupElement**
GroupID
SwitchID

**Switch**
{ SwitchID }
Latching
Clickable
Disp_ImageSetInstanceID
Disp_ImageSetIndex...

**ContinuousControlLinkage**
SourceControlID
DestControlID
ConditionSwitchID
LinkTypeCode

**Division**
{ DivisionID }

**DivisionInput**
DivisionID
SwitchID
NormalMIDINoteNumber

**ContinuousControlStageSwitch**
ContinuousControlID
ControlledSwitchID

**Stop**
{ StopID }
DivisionID
ControllingSwitchID

**Combination**
{ CombinaisonID }
ActivatingSwitchID
CombinationTypeCode

**CombinationElement**
{ CombinationElementID }
CombinationID
ControlledSwitchID
CapturedSwitchID
MemorySwitchID

**Enclosure**
{ EnclosureID }
ShutterPositionContinuousControlID

**EnclosurePipe**
EnclosureID
PipeID

**StopRank**
StopID
RankID
ExternalRankID
AlternateRankID
SwitchIDToSwitchToAlternateRank
RankTypeCode
ActionTypeCode
ActionEffectCode
NumberOfMappedDivisionInputNodes
MIDINoteNumOfFirstMappedDivisionInputNode

**Rank**
{ RankID }
SoundEngine01_LayerxDesc

**Pipe_SoundEngine01**
{ PipeID }
RankID
ControllingPalletSwitchID
NormalMIDINoteNumber
WindSupply_SourceWindCompartmentID
WindSupply_OutputWindCompartmentID

**TremulantWaveformPipe**
Index
PipeID

**ExternalRank**
{ Index } ?
???

**WindCompartmentLinkage**
FirstWindCompartmentID
SecondWindCompartmentID
ValveControllingSwitchID
ValveControlTypeCode
ValveControllingContinuousControlID

**Tremulant**
{ TremulantID }
ControllingSwitchID
PhaseAngleOutputContinuousControlID

**ExternalPipe**
???

**Pipe_SoundEngine01_Layer**
{ LayerID }
PipeID
PipeLayerNumber
Main_AttackSelCriteria_ContinuousControlID
Main_ReleaseSelCriteria_ContinuousControlID
AmpLvl_ScalingContinuousControlID

**WindCompartment**
{ WindCompartmentID }
PressureOutputContinuousControlID
Name

**TremulantWaveform**
{ TremulantWaveformID }
TremulantID
PhaseAngleOutputContinuousControlID
PitchOutputContinuousControlID
PitchAndFundamentalWaveformSampleID

**Pipe_SoundEngine01_AttackSample**
{ UniqueID }
LayerID
SampleID
LoadSampleRange_StartPosition...
LoadSampleRange_EndPosition...
AttackSelCriteria_...

**Pipe_SoundEngine01_ReleaseSample**
{ UniqueID }
LayerID
SampleID
LoadSampleRange_StartPosition...
LoadSampleRange_EndPosition...
ReleaseSelCriteria_...

**Sample**
{ SampleID }
InstallationPackageID
SampleFilename
Pitch_...