Sound Spatialization

Spatialized Sound is the effect of sounds being separated or directional. Sounds can appear to sound from the left or right, or quieter depending on how far it is from a position.

This is a super short tutorial with the very basics on how to get it going. Either mono or stereo samples can be used.

Start by configuring a SoundSystem:

```
[SoundSystem]
Listeners = 1
```

Having a listener turns on spatialization.

Then on your sound, specify a minimum distance with `DistanceList`:

```
[MotorSound]
SoundList    = @
Sound        = motor.ogg
Loop         = true
Pitch        = 1.0
Volume          = 0.4
DistanceList = 0
```

If you attach this sound to an object and move it around the screen you will notice the sound shift from left to right. This sound positioning is based around the centre of the screen. Or to put it another way, the centre of the screen is where the “listener” is listening.

In the case where you want to base the listener somewhere else, for example, if the camera follows your hero, then you might place the listener in the same location as the camera with `orxSoundSystem_SetListenerPosition`.

So on every update:

```
orxSoundSystem_SetListenerPosition(0, &myCameraPositionVector);
```

In the above example, the `0` is the listener number, so the first listener, and the current position of the camera or some other object.

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