Shooting Bullets with a Spawner

This tutorial will show you how to set up a spawner to shoot bullets that can be turned on and off from code. Normally if you attach a spawner to an object, you can only turn it off using orxObject_Enable. But that will make the parent object invisible as well. We use a child object in the case.

Assets

You can use the following assets in this tutorial.



Config

In this config, we create a CannonObject. We give it an empty child object called: CannonSwitchingObject. The spawner CannonSpawner is attached to CannonSwitchingObject.

CannonSwitchingObject is the one we will turn on or off to stop the spawner from shooting bullets.

```
[CannonObject]
Graphic   = CannonGraphic
Position  = (100, 100, 0)
Scale     = 5
ChildList = CannonSwitchingObject

[CannonGraphic]
Texture = spawner-gun.png

[CannonSwitchingObject]
Spawner = CannonSpawner

[CannonSpawner]
Object          = BulletObject
WaveSize        = 1
WaveDelay       = 0.2
ActiveObject    = 10
Position        = (10, -1, 0)
```

Next, the bullet object to be fired by the CannonSpawner.

```
[BulletObject]
Graphic  = BulletGraphic
Speed    = (300, -15, 0) ~ (300, 15, 0)
```

```
LifeTime = 2.0

[BulletGraphic]
Texture = spawner-bullet.png
```

Code

Then in the code, use the cannonObject to get the switchObject by calling orxObject_GetChild on the cannonObject.

Finally, use orxObject_Enable(switchObject, orxFALSE) to stop the spawner shooting bullets, or use orxTRUE to switch it back on.

```
orxOBJECT *cannonObject;
orxOBJECT *switchObject;
cannonObject = orxObject_CreateFromConfig("CannonObject");
switchObject = (orxOBJECT*)orxObject_GetChild(cannonObject );

orxObject_Enable(switchObject, orxFALSE); //turn off the firing

orxObject_Enable(switchObject, orxFALSE); //turn on the firing
```

From:
https://www.orx-project.org/wiki/ - **Orx Learning**

Permanent link:
https://www.orx-project.org/wiki/en/tutorials/spawners/spawning_bullets

Last update: **2025/09/30 17:26 (14 months ago)**