

# Fixing the Camera to an Object manually using a Clock

If you wish the camera to be fixed on a moving object, you will need to use code to update it regularly. The camera's x and y coordinates are copied from the object, but not the z coordinate.

## Code

```
void orxFASTCALL Update(const orxCLOCK_INFO *_pstClockInfo, void *_pContext)
{
    orxVECTOR cameraPosition = { 0,0,0 };
    orxCamera_GetPosition(camera, &cameraPosition);

    orxVECTOR heroPosition= { 0,0,0 };
    orxObject_GetPosition(hero, &heroPosition);

    cameraPosition.fX = heroPosition.fX;
    cameraPosition.fY = heroPosition.fY;
    orxCamera_SetPosition(camera, &cameraPosition);
    ...
}

orxSTATUS orxFASTCALL Init()
{
    ...

    orxClock_Register(orxClock_Get(orxCLOCK_KZ_CORE), Update, orxNULL,
    orxMODULE_ID_MAIN, orxCLOCK_PRIORITY_LOWER);
    ...
}
```

Please note the use of `orxCLOCK_PRIORITY_LOWER` instead of `orxCLOCK_PRIORITY_NORMAL`. This mode ensures the camera is updated **after** all the objects which will ensure a rock solid lock.

A more simple method is to [parent a camera to an object](#).

From:  
<https://orx-project.org/wiki/> - Orx Learning

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