

## Upgrading from 2.2.0 to 2.2.1

- “SetCollisionSolvingActivation” was renamed to “SetMovementCollisionSolvingActivation”

## Upgrading from 2.0 to 2.1

A complete package overwrite is required

### KinematicCharacterMotor changes

- “SetStabilitySolvingActivation” renamed to “SetGroundSolvingActivation”
- “StableInteractiveRigidbodyVelocity” renamed to “AttachedRigidbodyVelocity”
- “DynamicPushForce” renamed to “SimulatedMass”
- “PlanarConstraint” renamed to “PlanarConstraintAxis”
- Added a “PostGroundingUpdate” call to the BaseCharacterController
- Ledge handling has been moved from ExampleCharacterController to KinematicCharacterMotor again
- Step handling methods are now:
  - None
  - Standard (unlimited max step height)
  - Extra (like standard, but does additional raycasts to allow better stepping on steps smaller than the capsule’s radius)

### Example content changes

- ExampleCharacterController.SetInputs() now takes an inputs struct as parameter
- All example characters including Walkthrough now have a new state handling method
- ExamplePlayer now takes ExampleCharacterCamera instead of OrbitCamera

# Upgrading from 1.2.2 to 2.0

A complete package overwrite is required

## BaseCharacterController changes

### Renamings

- The “KinematicCharacterMotor” parameter has been renamed to simply “Motor”

### Changes

- ProcessHitStabilityReport() has been added as a mandatory method to implement. It is used to give you an opportunity to modify whether or not a hit can be considered “stable”
- OnGroundHit() and OnMovementHit() take a “ref HitStabilityReport” as their last parameter, instead of a “bool”
- CanBeStableOnCollider() has been removed since ProcessHitStabilityReport() can fill this role.
- MustUpdateGrounding() has been removed.  
KinematicCharacterMotor.SetStabilitySolvingActivation() replaces it

## KinematicCharacterMotor changes

### Renamings

- CharacterHeight/Radius were renamed to CapsuleHeight/Radius
- CharacterTransform was renamed to Transform
- CharacterRigidbody was renamed to Rigidbody
- CharacterCapsule was renamed to Capsule

### Changes

- All grounding information is now contained in the “GroundingStatus” struct, and all previous grounding information is now contained in the “LastGroundingStatus” struct
- SetCapsuleDimensionsAuto() has been removed. You now always have to specify the capsule’s center. If you want to do an equivalent of the old SetCapsuleDimensionsAuto(), just assign (capsuleHeight \* 0.5f) to the center of the capsule
- Ledge handling logic (MaxStableDistanceFromLedge, etc....) has been moved to BaseCharacterController implementations to allow for more versatility. See the new implementation in ExampleCharacterController

- `HandlePhysics()` has been removed and has been separated in several methods for more clarity:
  - `SetCapsuleCollisionsActivation()`
  - `SetCollisionSolvingActivation()`
  - `SetStabilitySolvingActivation()`

## OrbitCamera changes

### Changes

- You must now call `OrbitCamera.UpdateWithInput()` instead of calling `OrbitCamera.SetInputs()`. This change was made to ensure the camera will update instantly instead of relying on component execution orders, which can vary