

ANIMATION DESIGNER

USER MANUAL

About Animation Designer:

- Animation Designer is an Editor Tool **dedicated to be used on already animated models**, in order to adjust them, upgrade, fix or highly modify motion with help of procedural animation algorithms.
- Tool gives a lot of freedom with many adjustable parameters controlled with use of curves depending on the source animation playback time.
- Animation Designer requires AnimationClips which already exists to start work. Animation can be adjusted with real-time preview on the scene view and after all wanted tweaks baked and exported into a new AnimationClip file without changing anything in the source AnimationClip file. This tool is not generating any additional components in objects on scene, just changing bones pose which can be restored when you end designing your animation!
- Before starting to work, animator armature needs to be prepared. It is done with single clicks on GUI buttons which will appear and guide.
- Armature and adjustments done on the source clip will be lost when closing Unity Engine, but everything can be saved for in the "AnimationDesignerSave" file with the "Save" button which will appear on the top of the Animator Designer window.
- When starting to work <u>on a new AnimationClip</u>, clip's Animation Designer parameters, **save data is automatically generated** and stored in the "AnimationDesignerSave" file, if you already created a save. That means, you can modify multiple different animation clips without needing to hit save, everything is automatically remembered.

Contact and other links you will find in Readme.txt file

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Check the tutorial videos for the Animation Designer here!

Link to the Fimpossible Creations Asset Store Page

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1: Start work with Animation Designer

First Steps:

Animation Designer requires selection of object on the scene, with skeleton structure in child objects. In all cases it's an object with Unity's **Animator** or **Animation** component attached.

To open the Animation Designer Window, you can hit the right mouse button on the unity's Animator component and select the "Open in Animation Designer" option, which should be visible on the bottom of the menu popup. You can open Animation Designer one other way - by going to Unity Editor top bar "Window" bookmark -> "Fimpossible Creations" -> "Animation Designer Window"

Animation Designer requires skeleton data in order to work. You gather this data by clicking the "Prepare Armature" button. When you select a character with already saved skeleton data, the window will ask with the green button, for refreshing references to bones of selected model.

After gathering skeleton data, make sure that "Skeleton Root" and "Skeleton Pelvis" (setup bookmark) bones were chosen correctly. (You can hide the "Make Sure" helper box just by clicking on it few times)

Next, you need an animation clip which is working with your model skeleton. You can choose it in the "Work With Clip:" field. You can use "▼" button to display list of animation clips of Animation controller attached to the model (there will be no clips to choose, if animator controller with animation clips was not found) The next button with the magnifier icon, will search the project for a list of animations which may work with your rig (if it's humanoid rig then only humanoid clips will be displayed, if generic then all generic clips will be displayed - most of them may not work with your model!)

The # button can allow you to create multiple animation clip variations if you need. It's useful in example cases as: you want to create many variants of animations out of single walk animation. (more description below in Additional Animation Clip Design Versions)

<u>There you can watch introduction tutorial video</u>

There you can open a playlist with many Animation Designer tutorials!

Save Presets:

You can use Animation Designer to quickly change some animation and then forget about the Animation Designer parameters setup you've done, but if you want to go back to your setup and be able to modify - update modified animation clips then it's important to create the Animation Designer Save file. You will do it by clicking "New Save" on the top part of the designer window. The Animation Designer Save file will be generated in the default directory. (the directory is selected through inspector window of AnimationDesignerWindow.cs file which you can change if you need to)

The directory is important, since selecting a new model to work on, Animation Designer will try to automatically search the directory for the save for your selected character and automatically select it if you were working on this character in the past.

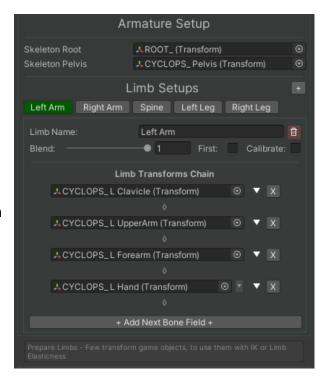
<u>AnimationDesignerSave</u> is a file which will hold your design settings even when you turn off the Unity Editor. It keeps your character bones setup, limbs and settings you set up with any of the edited AnimationClips.

AnimationDesignerSave should be created for each different character / creature you design animation for. Remember that the AnimationDesignerSave file keeps settings for all AnimationClips you edited, so **you DON'T need to create a separate Save file for every animation.**

Limbs:

Limbs are very important for Animation Designer to use all features of the plugin. Each limb is a chain of few connected bones. It's important to name it, which will help identify different bones during the animation design process.

You can set the main blend value for each limb (but you probably will never change this value). Toggling "First:" will schedule a limb to execute it's algorithms before other limbs, it will be important for spine "Limb" to make it's changed motion, influence arms in procedural motion. "Calibrate" can do some calculations to prevent flipping bones if they occur, it should be enabled **only** on bones which weren't animated in the animation clip, you can encounter something like this when adding some cloth bones as limbs, this bones are sometimes added by rigger of the model but not animated by animator.



If you're using a Humanoid Rig, limbs will be generated automatically. After that you can add some additional limbs like mentioned cloth bones, if your character model has ones.

If you're using a Generic or Legacy rig, you will need to add each limb manually by drag & dropping bones from the hierarchy view, or use an automatic limb detection algorithm button. The automatic limb detection algorithm can give best results when your character has setted correct T-Pose, which will be described more below, on the bottom of the "Exporting" part of this manual. Algorithm can correctly find limbs as well as for humanoid creatures and quadrupeds etc.

After automatic limb detection, review all added bones and correct them / remove if something seems to be detected wrong!

Limbs with 3 bones will be treated as leg bones (new animation clips will have automatically chosen foot ik settings in IK bookmark)

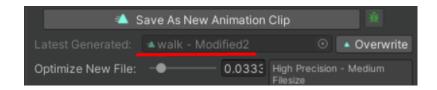
Limbs with 4 bones will be treated as arm bones (shoulder->upper arm->forearm->wrist)

Exporting:

After designing animation, you can save the animation which you see on the scene view by hitting the "Save As New Animation Clip" button. Choose directory and filename to save a new clip in (by default, directory of original clip is selected) hit "Save" and Animation Designer will quickly simulate and bake animation. Now you can check your animation in the preview.

Latest generated clip should be visible like this:

(if the name of original clip is similar)



If the preview is empty:

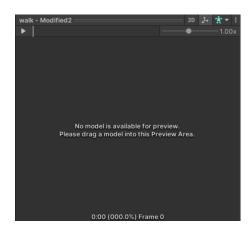
drag and drop your model from the scene onto the preview view (animation designer is not including models in it's files, thanks to that you can reduce file size of your animation clips!) You should see your new animation played on your model. If something seems to be wrong here, please check the "Solving Issues" part of this manual.

If the animation loop is not matching, go to "Solving Issues" as well.

If you want to make an animation clip file smaller in file size, you can boost "Optimize New File" value, but default value is recommended for balanced precision and optimal file size. If the original clip has toggled "loop" in animation settings, you will see "Loop Additional Frames" parameter which can help create a perfect - seamless loop for your new animation clip.

Under "Additional Export Setting" you will find toggles to do some automatic stuff for you, like setting motion settings (mostly for humanoid rigs) to be selected as "Original" and "Baked" (settings you see in the inspector window when you're selecting humanoid rig animation clip)

If you used inverse kinematics for feet and it's idle animation and after exporting, feet seem to move a bit on ground, try increasing "Hips and Legs Precision Boost" value. It will make the file bigger but it should keep leg bones stable on the ground.



If you want to add some additional bones/objects for animation, or remove some bones from baking / switching baking position keyframes, you need to display a

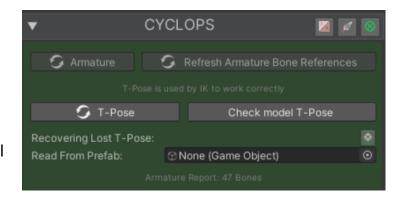
helper view. It's the top bar with the name of your model on it, when you click it, **the new menu will fold out**:

Hitting text on the bottom

"Armature Report: [XX] Bones"

will display a list of bones gathered by

Animation Designer, all these bones will
be keyframed and saved in the
animation clip file.



If you want to change it, you can use toggles, remove bones references with button, or add new bones with a button in the bottom of the list.

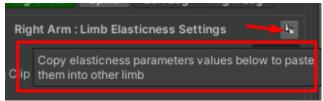
In addition, in the **helper view**, you find buttons to refresh bone references from the scene, and T-Pose buttons.

T-Pose is very important for an Animation Designer.

Hit "Check model T-Pose" to see if it's assigned correctly, the model on the scene should repose into its original T-Pose. If it seems to be wrong, you can fix it with the menu below. Hitting left mouse button on the button (it will not appear if no reference to project file was found) will identify the project model file which is probably in T-Pose and you can use it to restore the pose. Hit right mouse button on the button to try automatically set T-Pose out of the found project model file.

Other Features:

Almost all of the parameters/buttons requiring some description you see in the animator designer window are documented within the Unity Editor. Meaning when you enter with cursor on some field, the tooltip with description will appear:



(it probably won't be displayed in the playmode)

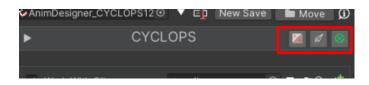
Additional Animation Clip Design Versions:

You can have multiple design versions of one AnimationClip file.

To add new versions, simply hit the "++" button on the right of the "Target Clip" field.

Popup will give you the option to choose one of the existing versions or create a new one. If you want to copy setup of one version to another, hit the " button with the right mouse button.

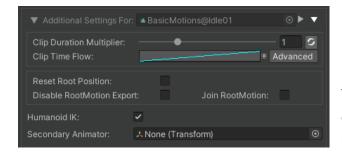
You can use the buttons on the right of Helper View for switching to focus mode GUI (hiding many views to focus on the design process),



disabling limbs and modifiers' gizmos on scene, and disabling skeleton gizmos.

Additional Settings:

Between limbs setup and export settings you will find a panel for "Additional Settings" for edited Animation Clip.



Here you can do more specific changes like extend/shorten animation clip length, reverse it (button)

Trim frames (under Advanced) control time flow and configure root motion related settings.

If you're using humanoid rig, it's recommended to toggle "Humanoid IK" for more precise foots placement (with this feature enabled, root motion and animation looping can look better too)

With the field "Secondary Animator" you can sync animating other game character. It can can be helpful when working on the "finisher" type of animations.

2: Procedural Animation Helper Algorithms

Elasticity 4:

"Elasticity" is muscle simulation algorithm which can be applied only on previously prepared Limbs. You can use it for stimulating arms / spine / cloth motion for your animations. To use it, select limb and hit the left upper toggle - it will turn elasticity on for the selected limb.

The settings for each limb are different for every animation clip you will modify! So you can adjust these settings in very different ways for different animation clips.

You can use copy/paste buttons to quickly transport some favorite settings if you want to.

You can control the whole effect of the Elasticity algorithm with the **"Full Blend"** value. You can also animate this value with the curve, which can be very important if you want to make the character bones less flappy in some sudden motion moments of the original animation clip.

"Rotation Based Elasticity" is using bone rotations coordinates to compute modified motion for the bones. <u>"Euler Mode"</u> is changing computations to not be computed with quaternions, which can result in different motion, using default - non euler mode is recommended.

With the <u>"Rapidity"</u> parameter you will make muscle reaction time faster or slower. With low <u>rapidity</u>, motion will be slow, mild and calm, with high <u>rapidity</u> it will be more stiff and jumpy, so adjust it to your needs and keep balance.

<u>Damping</u> defines spring effect, with high damping, motion again will become slow and mild, but lowering damping will make motion bouncy, going with this value too low will result in crazy motion out of control, so it's recommended to play with this value in a safe range of 0.1 to 1 value.

<u>Swinginess</u> is boosting target computed velocity for the motion, sometimes it can be hard to notice, but in some cases it can add nice "swing" to the limb motion.

"Position Based Elasticity" is using bone position coordinates to compute modified motion for the bones.

The parameters are working in the same way like described for "Rotation Based Elasticity".

"Position Based Elasticity" contains two other parameters.

<u>"Smoothing"</u> is required for motion based elasticity to avoid jitter, it also can change motion a bit and you can adjust it and check if it helps your motion.

<u>"Milding"</u> is similar to inverse of "Rapidity" but it computes motion in a slightly different way which in some cases can help out your animation.

"Individual Limb Bones Blending" are settings which are constant for all animation clips you will modify. You can blend elasticity effect amount individually on each bone of the limb.

For arm limbs: it's recommended to blend the effect applied to the shoulder to about 50% and to the wrist to about 40%.

For Spine: it's recommended to blend first spine bone to about 40% and neck/head bones to about 20%

Here tutorial video with Elasticity in use
Here overview video with Elasticity in use

Bone Modifiers 😕 :

Bone Modificators are simple algorithms applied to a single bones.

You can add some constant rotation offset to a bone and apply it on the whole animation time progress or animate the values with the curve to create some new motion on the animation.

The changes you apply with Bone Modificators can be decorated by elasticity motion if you want to, which can give you a very nice looking effect without too much effort!

With the "All Modificators Blend" you can compare the original clip with your modifiers effects if you prepared many of them.

Hit the "+ Add Job for a Bone +" button and choose the bone you want to modify. Each modifier applies its own <u>blending curve</u> which gives you many possibilities for animating them.

As for now, Animation Designer offers a few types of modifiers and the list can be bigger with the future updates.

You can choose to offset rotation/position or override (override local pos/rot) it.

Take in mind that putting **override** position/rotation, **after** position/rotation **offset** modificators **will erase effect of the offsets**, you can solve it by moving overriding modificators to the left of the list with the arrow buttons.

Update Order:

Bone modificators can be updated in defined update order.

<u>"Before Everything"</u>: It should be used when animating Root Motion bone, changed motion will influence all other algorithms.

<u>"Inherit Elasticity"</u>: Will be executed before elasticity - driving elasticity algorithm to work.

<u>"Affect IK"</u>: will be called after elasticity but before IK, you can try modifying rotation of pelvis bone in this order, which will make legs synchronized with IK processes.

<u>"Last - Override"</u>: It will override all motion done before, and can be helpful when using the look at modificator for head look correction.

Hitting the "▶" button next to the selected modificator name will reveal some additional settings which can be helpful for advanced users.

Here overview video (jump attack animation) with different modifiers in use

Inverse Kinematics (IK) 1:

Animation Designer offers a few algorithms of Inverse Kinematics to use.

Each of them can be blended with an amount slider and animation curve.

Each of them supports parameters to offset IK targets based on animation or override IK target position/rotation for more customized motion.

To use inverse kinematics features you must have prepared limbs.

To be able to use Arm IK, your limb must contain 4 bones. (shoulder -> upper arm -> lower arm -> wrist)

To be able to use Leg IK, your limb must contain 3 bones. (upper leg -> lower leg -> foot)

<u>Chain IK</u> for spine bones and longer bones chains may be improved in the next updates of the Animation Designer plugin.

You can read in-editor documentation for more complex parameters of the IK by holding the mouse cursor on it, then tooltip should appear.

Tutorial with use of IK features **Tutorial about Multi-Still IK Points** Fixing Raw Mocap Data Tutorial with Multi-Still IK Points in use

Main & Hips IK Settings for a Current Clip



In this foldout, you can adjust pelvis animation of your character. These settings are for the animation clip you are working on and these settings are for all limbs.

These settings are very important if you're reworking some walk/run cycle animation. This also requires leg IK turned on, so legs will not clip through the floor. To know how to work with these parameters, you need to have some animating experience, or check this tutorial.

In addition, you can adjust floor Y level and floor angle slope with "Floor Y Height Level" foldout.

Last thing is "Extra Settings" foldout where you will find "Hips Elasticity" toggle to use elasticity algorithm on hips which can speed up your animation design process.

3: Grounding IK

Animation Designer offers grounding IK algorithm which can help you re-design cyclic motion for legs. After analyzing the original animation clip, you will be provided with a bunch of different parameters which will allow you to instantly change legs animation.

There tutorial with Grounding IK in use

Analyze:

To start working with the Grounding IK, you need to prepare some data for the algorithm. It's good practice to **switch all your leg bones to Foot IK and "Foot Ik Mode" to "Grounding" as the first step,** thanks to that you will be able to do all of the calculations for all legs with a single click without needing to go through each leg limb.

With <u>"View IK Grounding Stage"</u> set to <u>"Analyze"</u> the original motion will not be changed at all to let you analyze motion correctly.

Now you should toggle "Sync other legs settings with this" to be enabled. Thanks to that, analysis will be computed on all other limbs with Foot IK and Grounding Mode enabled.

Now you need to prepare some threshold values to help the algorithm create a foot grounding curve for you. It's not very important to know exactly what each parameter is doing, since effect of the parameters depends highly on the character armature you're working on, and you will probably quickly check different setups of "Heel" and "Toes" grounding thresholds to quickly prepare most accurate curves for you. Heel Grounding defines threshold height of predicted heel position in which motion of leg limb should be treated as touching ground.

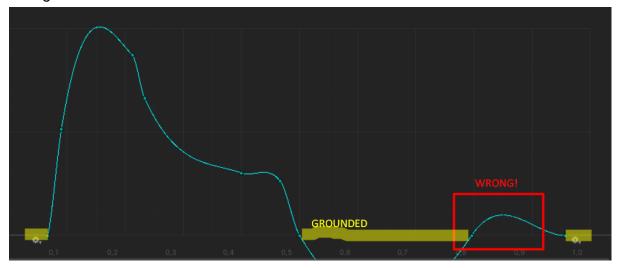
<u>Toes Grounding</u> defines threshold height of predicted tores position in which motion of leg limb should be treated as touching ground.

You can switch to isometric view and follow guides for this values in scene gizmos (guides will be visible after first analyze check)

Hit the "analyze" button to generate a grounding curve. Feel free to change threshold values slightly and hit the "Re-Analyze" button again to quickly adjust settings for the most accurate curve.

In scene gizmos you will see contours of character predicted foot grounding moments. When it becomes green that means the animation moment is detected as a grounded state for the limb. It's important to adjust grounding curve manually, in most cases, but in the most cases it will be just offsetting few keyframes to left/right.

When the curve value is at zero point that means in this animation time foot should be treated as grounded, when above - foot is not touching ground/rising leg up. Sometimes algorithm can detect the foot up moment wrong which will cause it to put its leg up when it should be grounded. Then you should fix it manually, putting the wrong area down to zero.



Processing:

After preparing curves in the Analyze Stage you can go to the Processing Stage. Again: it's good practice to toggle "Sync other legs settings with this" to see main parameters effects on all legs with foot IK and grounding IK mode.

To see documentation of each parameter, enter the parameters in unity editor with the mouse cursor, hold it still for a second, and a tooltip describing the parameter should appear.

On the bottom of the IK settings view, you will find grey text "Quick View for Grounding Curve" clicking it will expand the grounding curve for the limb for quick tweak which can be very handy.



4: Morphing 🅸

Morphing feature gives you the possibility to blend currently modified animation with other clips. You can select any limb of your rig and control how it's blended with animations.

The selected animation clip for morphing will be stretched on your main animation clip time: if the morph clip is longer than the main clip - morph clip will be played faster than its original speed.

With field you can offset morph clip: where its first frame should start.

With field you can adjust morph playback speed (set zero for single frame)

Each Morph has its own time flow curve and it's execution order can be adjusted with "Morph Update Order" parameter.

Here tutorial with morphs in use

5: Custom Modules

Custom modules are offering new features for the Animation Designer's procedural rig. You can apply custom algorithms to the animation process without changing the core code of the Animation Designer.

What's more, the updates will bring newest features using just the Custom Modules.

In the Animation Designer version 1.2.0 there are implemented custom modules like:

- Strafe Creator (helping generating 8 directional movement animations)
- Framerate Stylizer (example of sample time control)
- Humanoid Arm Poser (quick adjust single arm or symmetrical)
- Humanoid Fingers Poser (precisely adjust fingers)
- Humanoid Fist Poser (quick adjust single handor symmetrical)
- **Humanoid Head Poser**
- Humanoid Leg Poser
- **Humanoid Spine Poser**

Select one using project file browser field or use quick selector button (\sum_).



With the next button () you can generate an instance of a custom module when creating a custom module script or some of the modules are using instance variables (the listed above are not using it yet).

Each module can be blended with a slider and curve (if the module is supporting it).

To create your own custom module script you can click the 🐰 button and choose "Custom Module Script File". Created file move somewhere to Animation Designer directory (for example "Fimpossible Creations/Editor/Plugins - Editor - Animating/Animation Designer/Custom Modules")

After compilation use 🐰 button again and find your script file under Custom/YourModuleScriptName

By default the template will generate an example algorithm changing IK position in choosed limb.

Check the code comments and take a look at other modules before this manual is fulfilled with more code reference for the custom modules coding.

6: Solving Issues

If after exporting the clip your characters seem to be floating, rotating in a strange way, that's probably because of the wrong "Root Bone". You can adjust it in the Setup tab, just below "**Armature Setup**", by drag & dropping corrent bone from the hierarchy (probably parent of currently chosen "Root Bone")

If after enabling the arm IK, the shoulder seems to glitch, try just changing "IK Shoulders Blend" to zero.

If you encounter some issues when switching between objects on scene with Animation Designer, try closing Animation Designer window, open it again, select the model you want to work on and start the design again with a button in the designer window.

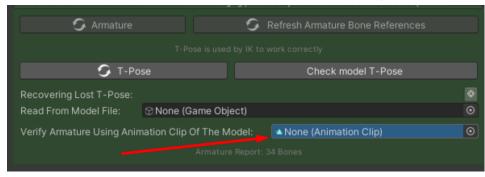
If after exporting animation clip, you will see some bones out of place, this can be caused by not baked animation position, which you can enable under foldout below

designer saves selector (top bar) and by clicking "Armature Report: [bones count]" It will display a list of bones scheduled for baking and you can choose if some bones you don't want to bake, or if you want to bake position in addition to rotation. It can be caused by one more thing: not having some bone in the



armature list which can be added on the bottom of the armature bones list. Example: Animated weapon handle bones are often required to be added + position baked in the armature report.

Some animations are using much more data than the animation designer is initializing in the armature by default. You can notice it with generic rigs - animal characters: if your edited animal front legs are overlapping ground during idle, that's probably this case. For example the MalberS Animations assets are using more data for position baking and extra bones, which are not detected by Animation Designer. You can easily fix this, by drag and dropping existing animation clip into "Verify Armature Using Animation Clip Of The Model" (Not visible when humanoid rig)



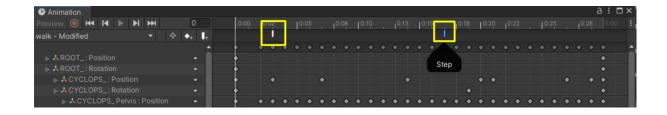
Animation Designer will initialize all required extra data for the right armature export settings.

Elasticity can cause wrong loop pose! Elasticity is based on the active bones motion which can result in not matching loop pose. In most cases toggling "Loop Pose" in an animator clip is enough, but if not - try animating elasticity blend values with curves, change it lower on clip start and end. You can also try increasing "Loop Additional Frames" under the "Optimize new File" field (it will be displayed only if original animation clip have toggled "loop"). This option should provide a seamless loop in all situations.

If you encounter some foot jittery on exported animation clip with humanoid setup, it's Unity Humanoid retargeting bug. Most of the exceptions are handled by Animation Designer but it can still occur. To solve it you can try making leg animation less stretched for legs by increasing "Max Leg Stretch" parameter or lowering pelvis. Another solution is using a bit different character model for wanted animation, some characters shouldn't reveal this bug ever.

The curve and sliders ghosting guides of animation progress time, sometimes can be a little bit off. It will be fixed in the next updates of the package.

If you generate step-events with the grounding IK algorithm, you can check and adjust timing of the event by simply opening the animation clip file by double clicking. It will reveal an animation window where you can see the event markers and move them around.



If you set IK for the animal legs and it seems wrong, you probably need to assign further child bone of paws as the third bone (skip one bone in chain)

If the auto limb detection algorithm for generic rigs fails, make sure you don't keep in the hierarchy leftovers of animator's rig controls.

When you want to generate root motion without jump-effect caused by elasticity, try changing the value "motion influence" to zero in the elasticity settings (for the hips bone in the IK tab too!)

If your humanoid animation feet are going jittery when ending collision with ground, it can be caused by wrong humanoid retargeting, in most cases you can solve it by animating "Max Stretching" value making leg NOT stretched to the limit. It seems humanoid retargeting ik encounters troubles when the leg is too much stretched out.

If your exported humanoid animation is stuck in T-Pose when in Animation Designer it looks correct, that's probably unity Humanoid API crash. It can be caused by changes in the hierarchy in your character model or by Unity Avatar conflicts. To fix it, you can simply try drag & dropping the source model file on the scene and work on it instead of using your character prefab object.

Root motion:

If you're modifying an animation clip with root motion and you want to add custom translation, first you need to use an "Additive Position" modifier with execution order set to "Before Everything" to be treated as root motion.

If you want to use original root motion + own offset additive, you need to open Setup view and under "Additional Settings" you need to enable "Join Root Motion". If you're using humanoid animation and the exported clip has some root motion inconsistency, try choosing "Disable Root Motion", then the exported clip will have available default humanoid root position controls and it should work right.

If you want to disable root motion for preview, try enabling "Reset Root Position".

If it looks wrong for your model and if you're modifying the humanoid model, I recommend disabling "Apply Root Motion" on your character animator component and enabling "Humanoid IK" under "Additional Settings" in the animation designer. The "Humanoid IK Toggle" is syncing humanoid animator behavior on preview.

In some rare cases, unity tells the Animation Designer that the edited animation clip is not using Root Motion curves, when the truth is that it's using root motion! In such a case you can enable "Force Original with Root Motion" which will force Animation Designer to trigger root motion calculations for the export.

Keyframe Baking:

The preview you see on the scene view when using Animation Designer is procedural. When exporting, the procedural animation is converted to the keyframe animation - to data which contains information about target animation rotations/positions.

Keyframe animation in 99% cases is using just rotation to animate.

If you want to animate position for some of the bones, you need to enter 'Armature Report' and enable position baking for this bone.

If you're using Humanoid animations, then position baking for humanoid bones are not possible (it's Unity's Humanoid API limitation)

In very rare cases, some rigs are using Root Motion and Keyframe position animation at the same time using the same bone, then it gets really complicated. Setup like this is not friendly for post-animation-editing with Animation Designer, but you still should be able to solve it.

First you can try going to the bottom of the Animation Designer window, Additional Export Settings -> Rare Export Settings -> Bake Root Individually.

It will enable baking animation keyframes for the root bone separately from root motion keys.

If that does not help, you can try adding all bones between root and spine to the armature report and enable both: bake rotation and bake position.

7: Shortcuts:

Loop Curve Keys:

If you hold the shift key on your keyboard and hit the left mouse button on some curve field, the algorithm will make the same values on the first and last key of the curve. If you hold shift and hit the right mouse button, then the average value of the first and last key will be applied to start and the last key of the curve.

Reduce Curve Keys:

If you hold the control key on your keyboard and hit the left mouse button on some curve field, the algorithm will try removing some keys from the curve to minimize key density.

(Some of the curve fields may not support shortcuts yet!)

If some of the helper boxes like "MAKE SURE" annoys you and you want clear GUI space, try clicking on it, after a few clicks it should disappear. By default it will disappear after a few switches to target Animation Designer bookmarks.

If you like this package please visit my asset store page for more or write a review for this asset;)