POWER SHAPES

Power Shapes
User Guide

EJE ɪɴ Motion

How to install:

You will see one file named Power Shapes.jsxbin, move to the following location:

Windows:
Program Files\Adobe\Adobe After Effects <version>\Support Files\Scripts\ScriptUI Panels

Mac:
Applications/Adobe After Effects <version>/Scripts/ScriptUI Panels

If you already have After Effects open, you will need to restart the program after moving the file.

To open Power Shapes within After Effects, select it from the bottom section of your Window menu.

If you have any questions please feel free to send an email to:
info@ejeinmotion.com

If you want more tools for AE go here:
https://ejeinmotion.com

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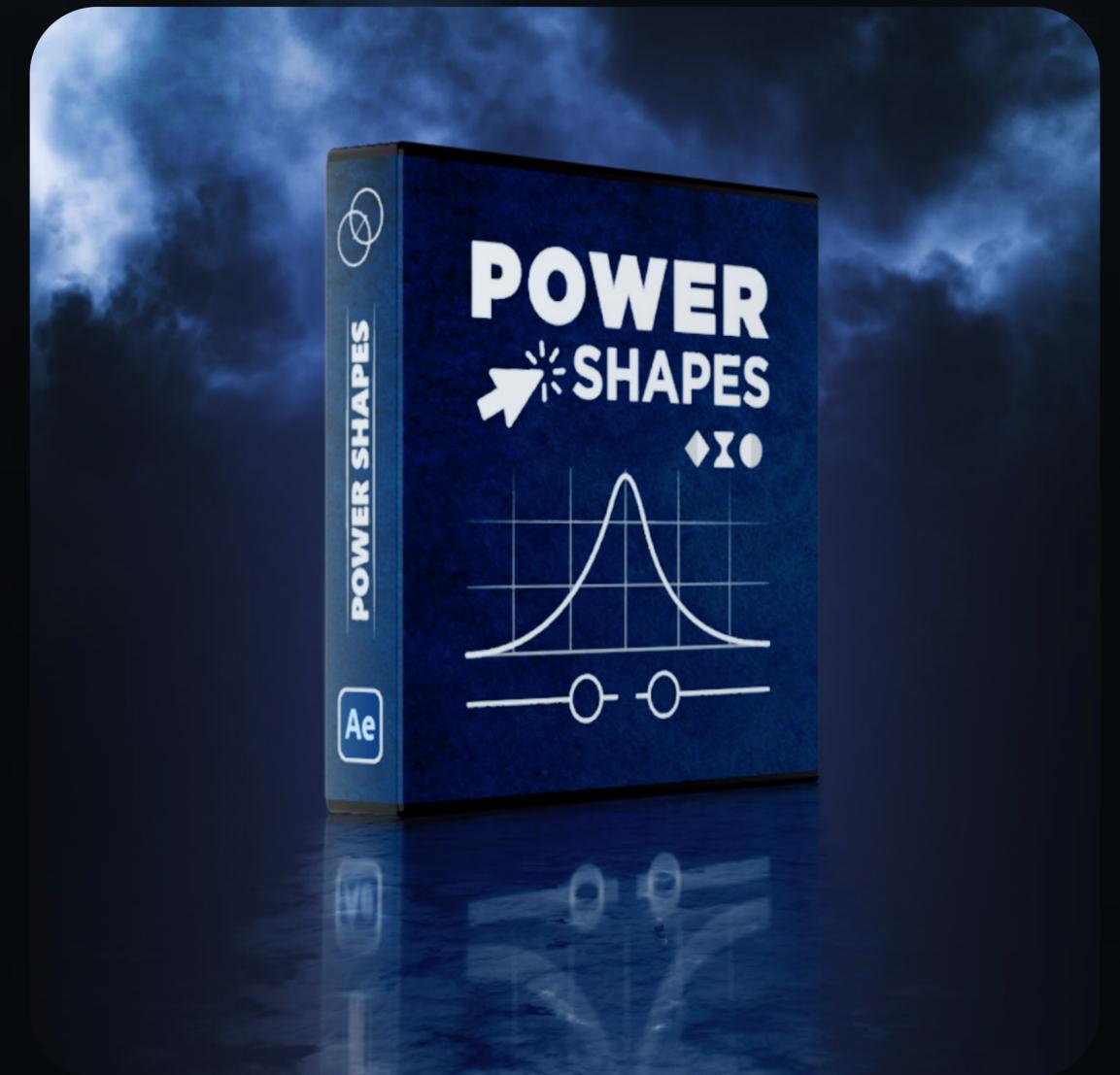
Dockable panel and flexible layout

Power Shapes is a fully dockable After Effects panel. You can place it anywhere in your workspace, next to the Project panel, under the Timeline, or alongside Effects and Presets, so it fits naturally into your workflow.

It also supports both horizontal and vertical layouts. Simply resize the panel, wider or taller, and Power Shapes will adapt. This lets you work comfortably whether you prefer a compact column or a wider control surface.
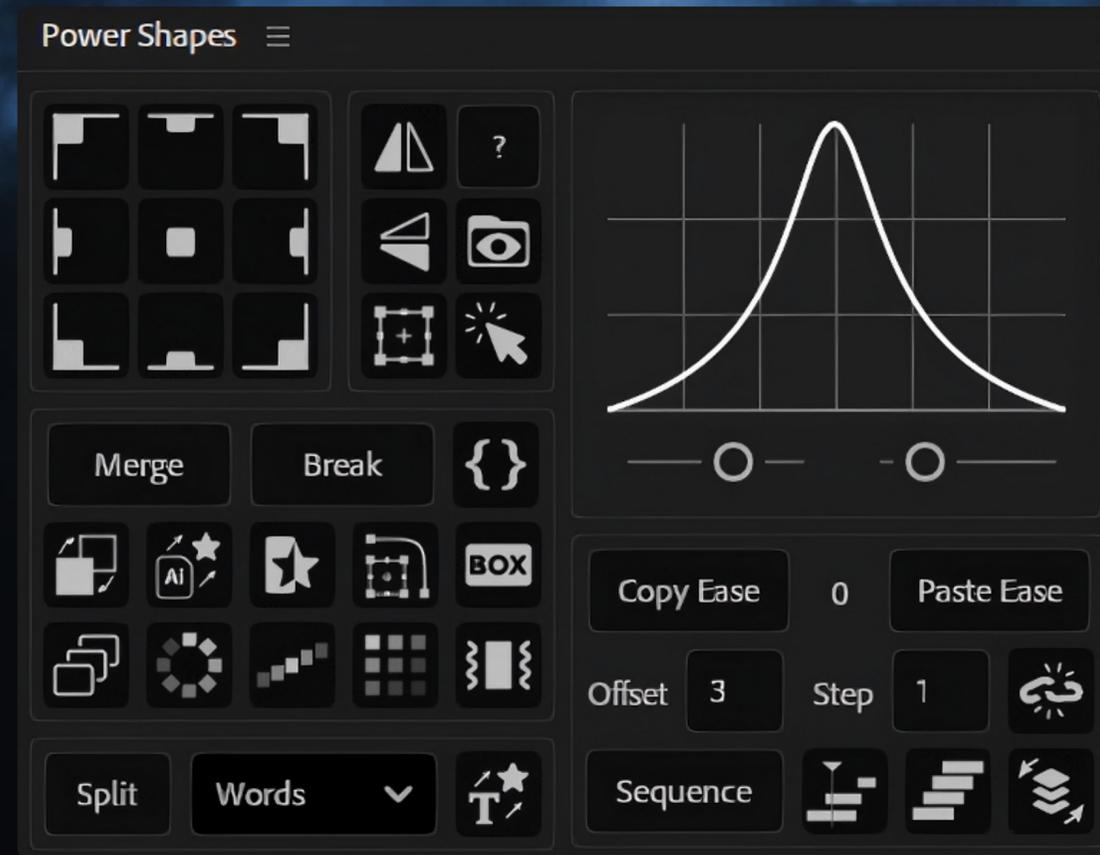
Responsive layout that adapts to vertical or horizontal use.

Power Shapes ☰
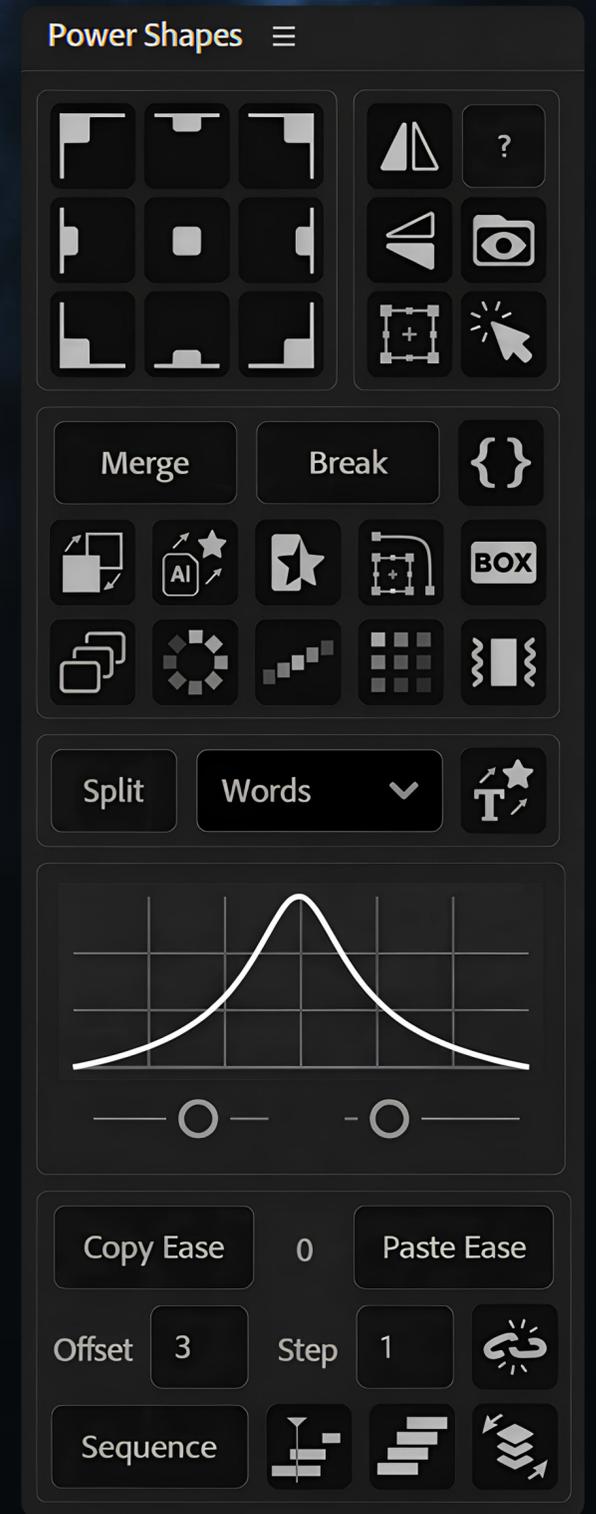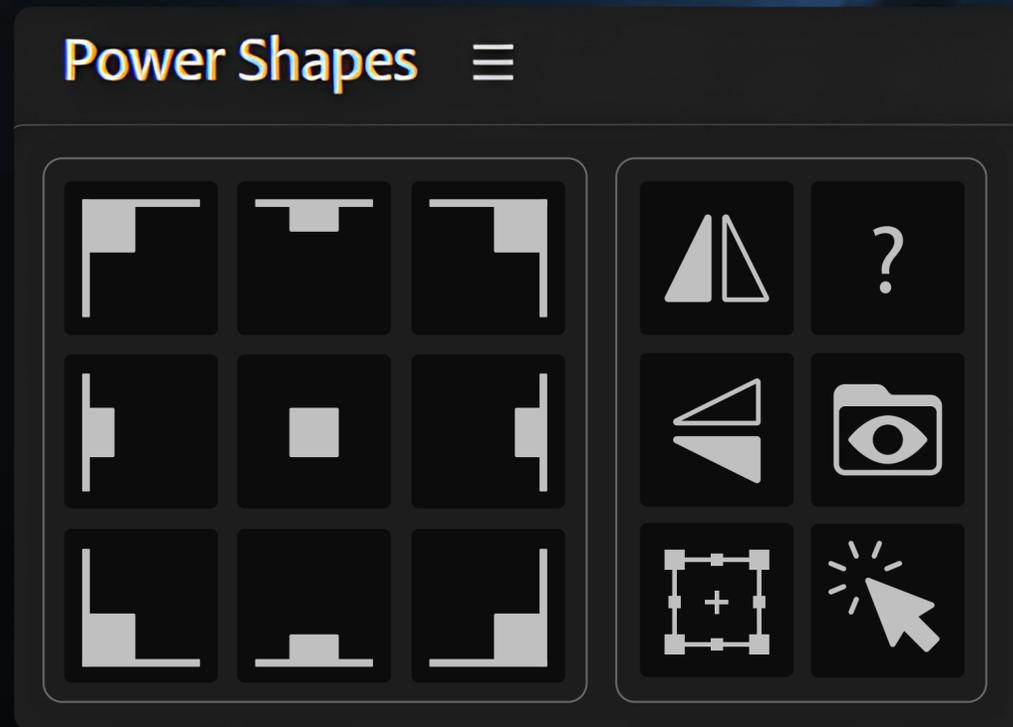
Anchor Point and Align Layers
- Click: sets the Anchor Point of selected layers.
- Shift+Click: aligns layers to the Comp position.
- Alt+Click: aligns layers to the selection bounds.

Project Tools
- Click: Reveal the selected layer source in the Project panel.
- Alt+Click: opens the source location in Finder or Explorer.
- Shift+Click: opens Project Tools Settings.

Create Null
- Create a Null at the center of the selection and parent the layers to it. If no layers are selected, it creates a Null at the comp center.

Smart Selection
- Click: Apply the current Smart Selection preset.
- Shift+Click: opens Smart Selection settings to choose or edit presets.

About this script
- Open the About panel with version info, useful links, and support options.

Vertical/Horizontal Reflect
- Click: Flip vertically/horizontally around the layer's anchor point.
- Shift+Click: flips vertically/horizontally around the comp center.

Merge

- Merge selected Shape Layers into a single Shape Layer.

Break

- Ungroup selected Shape Layers.

Custom Expressions

- Click: applies the current expression preset to selected properties.
- Shift+Click: opens the Custom Expressions panel to edit and manage presets.

Fill to Stroke

- Swap Fills and Strokes on selected Shape Layers.

AI to Shape Layers

- Click: creates Shapes from Vector Layers.
- Shift+Click: creates Shapes and keeps the original AI layers.

Mask to Shapes

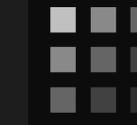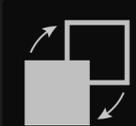- Convert Masks to Shapes, or Shapes to Masks.

Path to Nulls

- Click: links Path points to Nulls.
- Shift+Click: links Nulls to Path points.

AutoBox

- Create a linked box for selected layers.

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Duplicate and Repeat
- Repeat the last duplication, like Illustrator Ctrl+D.

Repeaters
- Radial: add a Radial Repeater effect to selected Shape Layers.
- Linear: add a Linear Repeater effect to selected Shape Layers.
- Grid: add a Grid Repeater effect to selected Shape Layers.

Custom Wiggle
- Click: applies the current wiggle preset to selected layers.
- Shift+Click: opens Custom Wiggle Settings.

Text to Shapes
- Click: converts text to shape layers.
- Shift+Click: converts text to shapes and keeps the original layers hidden.

Merge   Break   { }

BOX

Split   Words ⌄

Words
Lines
Characters
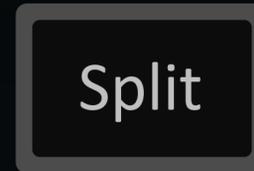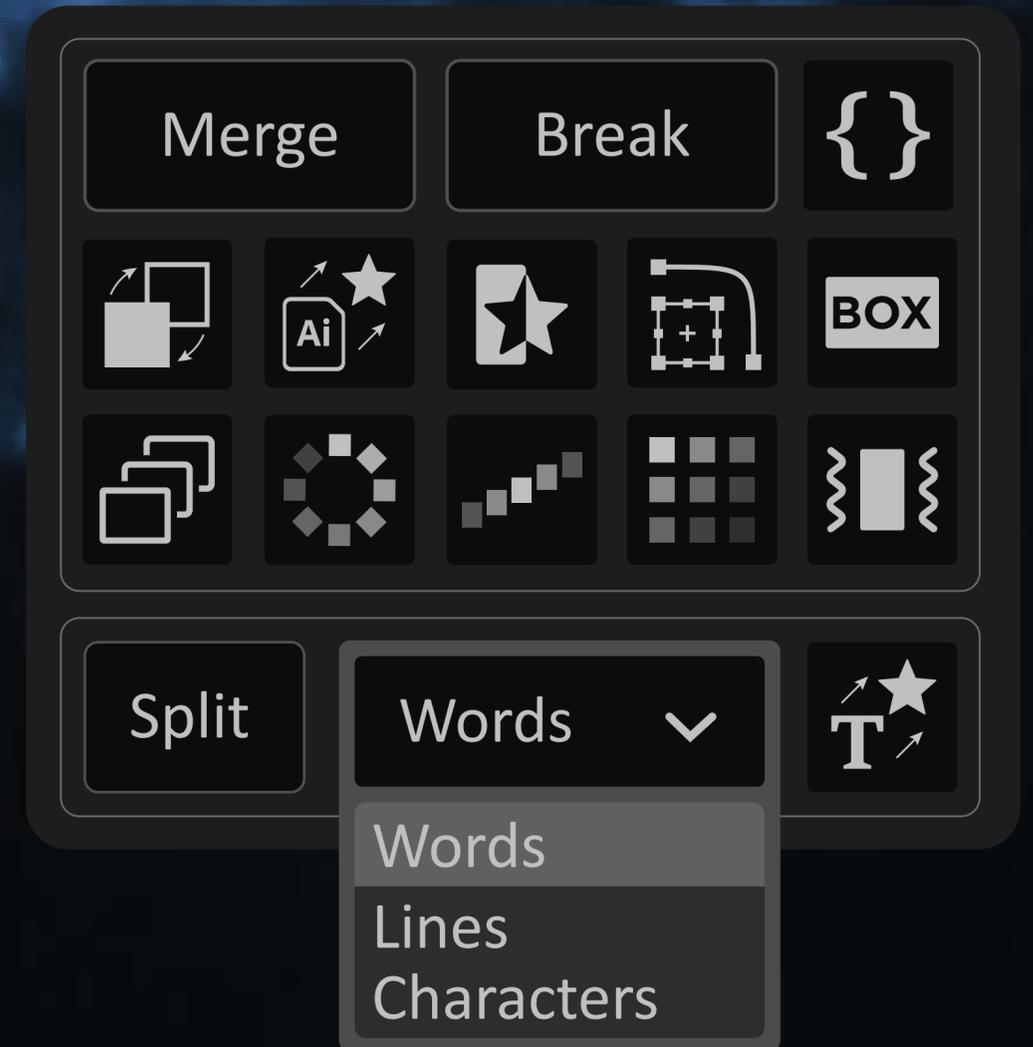
Split Text Layers
- Split selected Text Layers into Words, Lines, or Characters, based on the dropdown.

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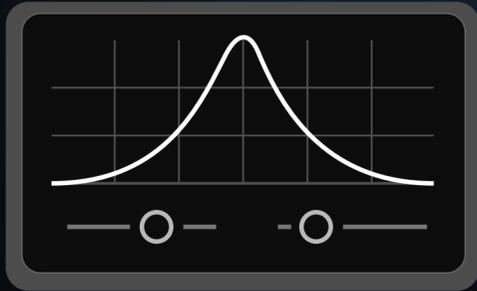
Speed Graph Preview

- Displays the animation speed curve of the currently selected keyframes.

IN and OUT Curve Sliders

- Adjust the selected keyframes' speed curve in real time. The left slider controls the ease-in shape, and the right slider controls the ease-out shape.

Copy Ease

- Copy easing from the selected keyframes.

Copied Keys Counter

- Shows how many keyframes were copied.

Paste Ease

- Paste the copied easing to the selected keyframes.

Split Dimensions

- Separate dimensions of the selected property.

Reverse Layer Order

- Reverse the stacking order of the selected layers.

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Sequence
- Sequence selected layers using Offset and Step.

Offset
- Number of keyframes to offset when sequencing.

Step
- Sets the interval between offsets.
  For example: Step 1 offsets every layer,
  Step 2 offsets every two layers.

Arrange to Playhead
- Arrange keyframes or layers to the current
  time indicator.

Sequence Direction
- Changes the sequence order: Bottom to Top,
  Top to Bottom, or Random.

Sequence

Offset 3

Step 1

Copy Ease   0   Paste Ease

Offset 3   Step 1

Sequence

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Smart Selection Settings Panel

Power Shapes includes a few dedicated settings panels that let you customize what certain buttons do.

The Smart Selection Settings panel is where you create and manage Smart Selection presets, which define the rules used to select layers automatically.

Choose a preset from the dropdown, then enable the criteria you want, such as matching properties, layer type, label color, name, or other attributes. Once saved, that preset becomes the behavior of the Smart Selection button.

Smart Selection includes up to 10 presets you can choose from. Each preset can be modified to fit your workflow, and After Effects remembers your changes. You can reset any preset to its default configuration at any time, so you can experiment and stay non destructive.

Smart Selection

Smart Selection

Preset: Matching Properties ▼   Reset to default

By Selection
All Layers in Composition ▼

Matching Value
- ☐ None
- ☑ Matching Properties
- ☐ Matching Layer Name
- ☐ Matching Layer Color
- ☐ Matching Layer Type
- ☐ Matching Layer Duration

Layer Type
- ☑ Any Type
- ☑ Null Layers
- ☑ Adjustment Layers
- ☑ Shape Layers
- ☑ Text Layers
- ☑ Solid Layers
- ☑ Composition Layers
- ☑ Illustrator Layers
- ☑ Photoshop Layers
- ☑ PNG/JPEG Layers

Color
- ☑ Any color
- ☑ None
- ☑ Red
- ☑ Yellow
- ☑ Aqua
- ☑ Pink
- ☑ Lavender
- ☑ Peach
- ☑ Sea Foam
- ☑ Blue
- ☑ Green
- ☑ Purple
- ☑ Orange
- ☑ Brown
- ☑ Fuchsia
- ☑ Cyan
- ☑ Sandstone
- ☑ Dark Green

☐ By specific name match:
☐ That contains these words:

Rename Presets   Save and close   Close

Smart Selection

- Click: Apply the current Smart Selection preset.
- Shift+Click: opens Smart Selection settings to choose or edit presets.

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SHIFT+CLICK

Custom Wiggle Settings Panel

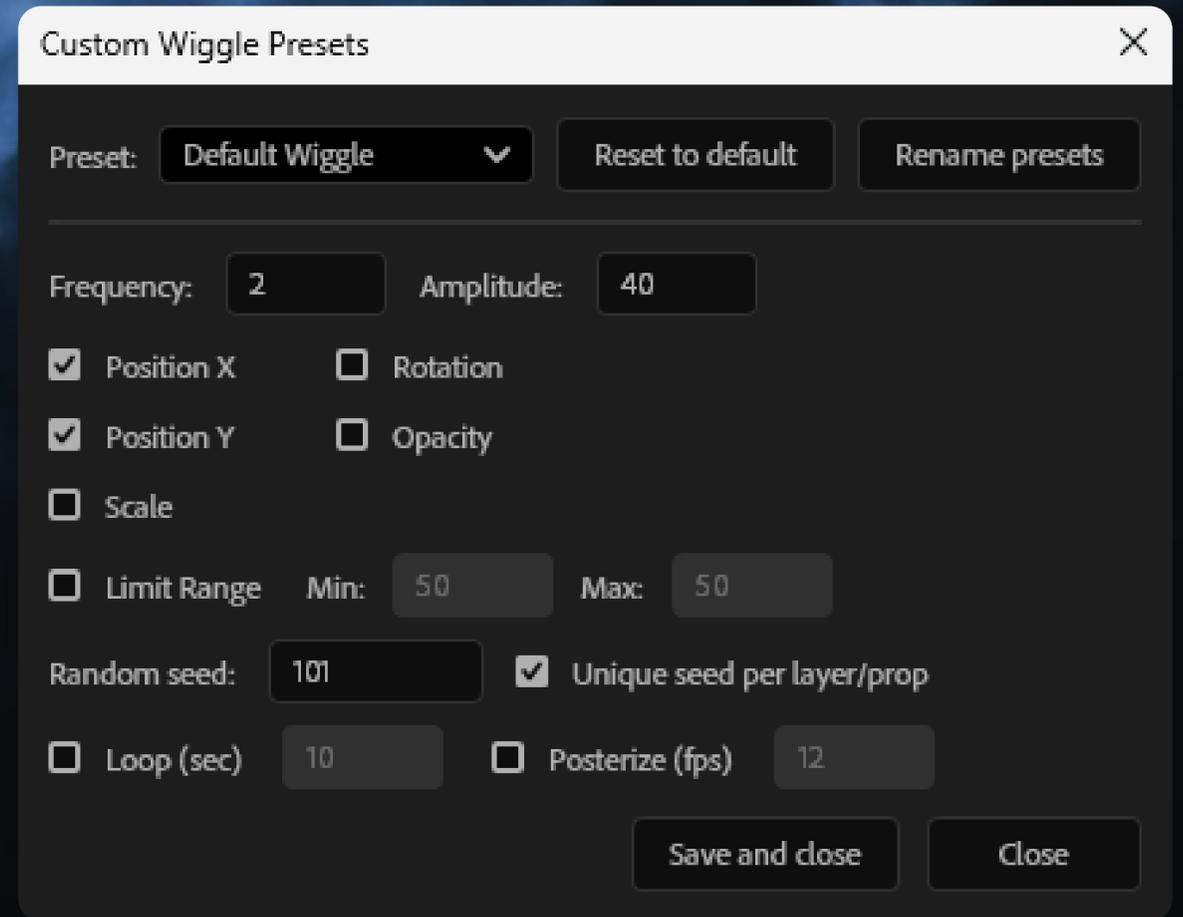The Custom Wiggle Settings panel lets you build and manage wiggle presets that the Custom Wiggle button can apply with one click.

Choose a preset from the dropdown, then set the wiggle behavior, including frequency and amplitude, which properties are affected, and optional controls like range limits, looping, posterize, random seed, and unique seeds per layer or property.

Custom Wiggle includes up to 10 presets you can choose from. Customize any preset and After Effects will remember your edits. If you want to start fresh, you can reset any preset back to its default values, keeping everything non destructive.

Custom Wiggle Presets

Preset: Default Wiggle   Reset to default   Rename presets

Frequency: 2   Amplitude: 40

☑ Position X   ☐ Rotation
☑ Position Y   ☐ Opacity
☐ Scale
☐ Limit Range   Min: 50   Max: 50
Random seed: 101   ☑ Unique seed per layer/prop
☐ Loop (sec) 10   ☐ Posterize (fps) 12

Save and close   Close

Custom Wiggle

- Click: applies the current wiggle preset to selected layers.
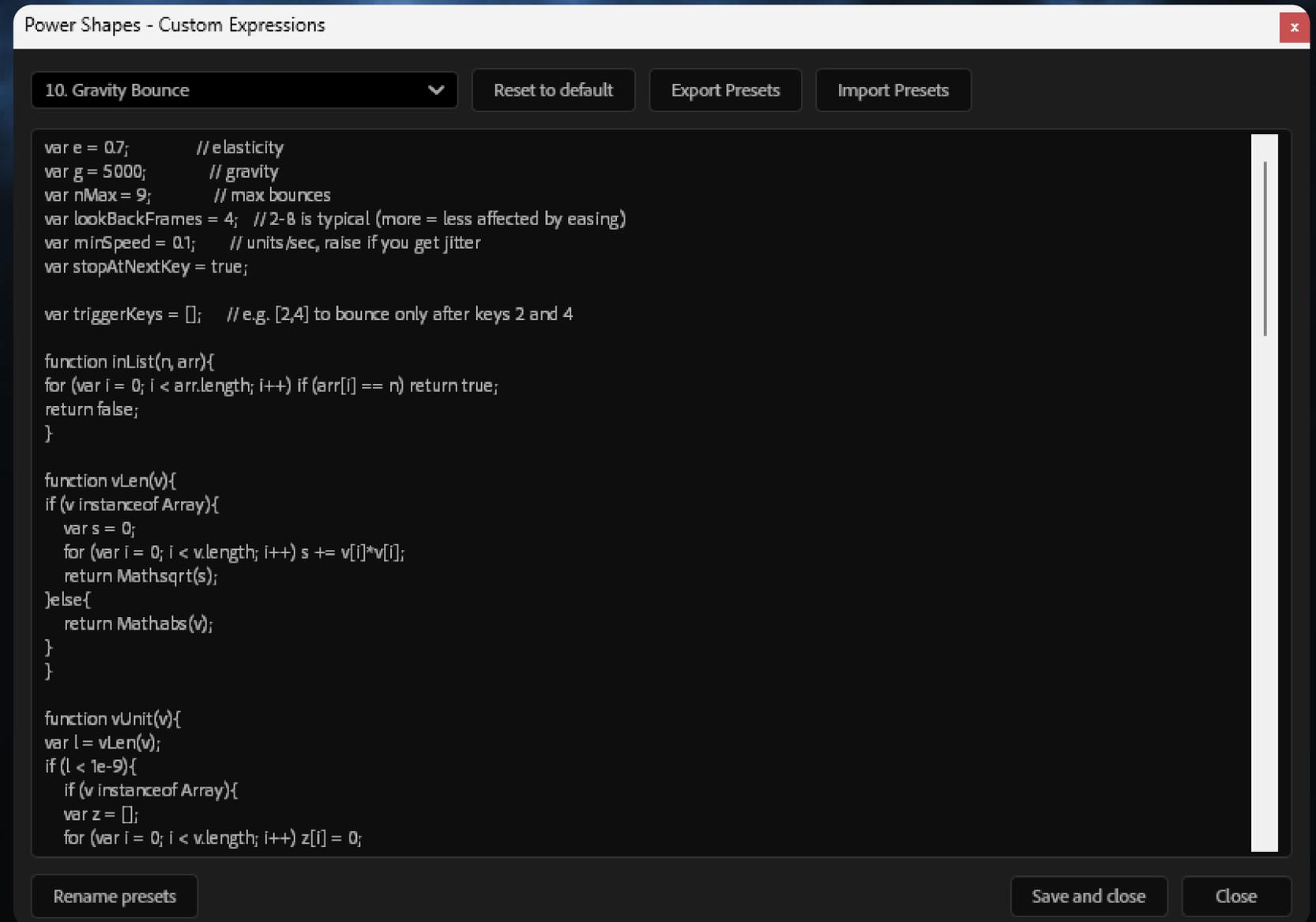- Shift+Click: opens Custom Wiggle Settings.

SHIFT+CLICK

Custom Expression Settings Panel

The Custom Expression Settings panel lets you create and manage expression presets that the Custom Expressions button can apply in one click.

Choose a preset from the dropdown, then edit the expression directly in the editor to match your needs. After Effects remembers your changes between sessions, and you can reset any preset back to its default expression at any time, so you can experiment non destructively.

You can also export all 10 presets as a single .json file to back up your custom presets or import them on another computer, then restore them anytime using the "Import Presets" button.

Power Shapes - Custom Expressions

10. Gravity Bounce | Reset to default | Export Presets | Import Presets

```
var e = 0.7;           // elasticity
var g = 5000;          // gravity
var nMax = 9;          // max bounces
var lookBackFrames = 4;   // 2-8 is typical (more = less affected by easing)
var minSpeed = 0.1;    // units/sec, raise if you get jitter
var stopAtNextKey = true;

var triggerKeys = [];    // e.g. [2,4] to bounce only after keys 2 and 4

function inList(n, arr){
for (var i = 0; i < arr.length; i++) if (arr[i] == n) return true;
return false;
}

function vLen(v){
if (v instanceof Array){
    var s = 0;
    for (var i = 0; i < v.length; i++) s += v[i]*v[i];
    return Math.sqrt(s);
}else{
    return Math.abs(v);
}
}

function vUnit(v){
var l = vLen(v);
if (l < 1e-9){
    if (v instanceof Array){
    var z = [];
    for (var i = 0; i < v.length; i++) z[i] = 0;
```

Rename presets | Save and close | Close

{} Custom Expressions

- Click: applies the current expression preset to selected properties.
- Shift+Click: opens the Custom Expressions panel to edit and manage presets.

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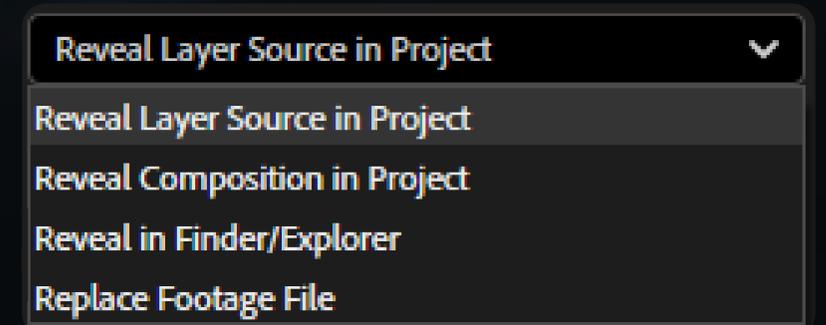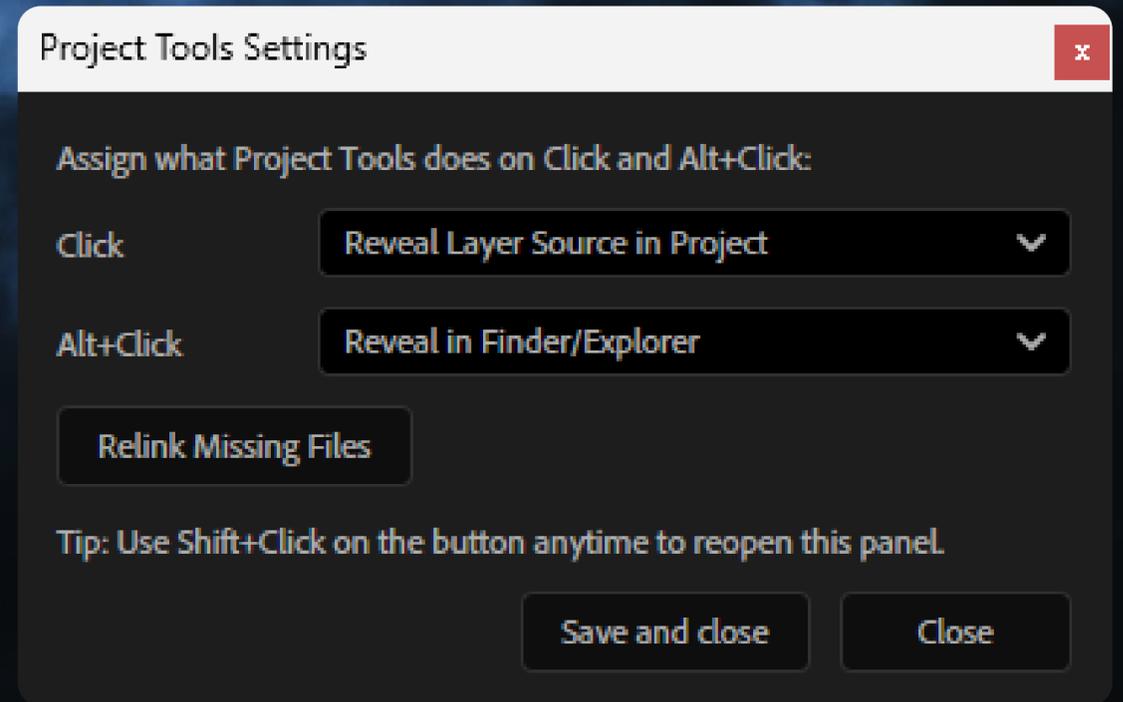User Guide

SHIFT+CLICK

Project Tools Settings Panel

The Project Tools Settings panel lets you decide what the Project Tools button does on Click and Alt+Click.

Choose an action for each mode from the dropdown menus, then save your changes. After Effects remembers your selection, so the button will keep behaving the way you configured it.

This is useful if you prefer to quickly reveal items in the Project panel, open the source location in Finder or Explorer, reveal the active composition in the Project panel, or replace a footage file.

The panel also includes a Relink Missing Files tool to help you locate offline media from a single place.

Project Tools Settings ✕

Assign what Project Tools does on Click and Alt+Click:

Click [Reveal Layer Source in Project ˅]

Alt+Click [Reveal in Finder/Explorer ˅]

[Relink Missing Files]

Tip: Use Shift+Click on the button anytime to reopen this panel.

[Save and close] [Close]

[Reveal Layer Source in Project ˅]
Reveal Layer Source in Project
Reveal Composition in Project
Reveal in Finder/Explorer
Replace Footage File

Project Tools

- Click: Reveal the selected layer source in the Project panel.
- Alt+Click: opens the source location in Finder or Explorer.
- Shift+Click: opens Project Tools Settings.

Thank you!

For expanded information and examples, click the "Visit Website" button below.

If you need help, have any questions, or run into a bug, feel free to email me at **info@ejeinmotion.com**

If Power Shapes saves you time, please consider supporting my work by clicking one of the buttons below. Your support helps me keep improving this tool and creating new ones.

Thank you for being part of the journey.
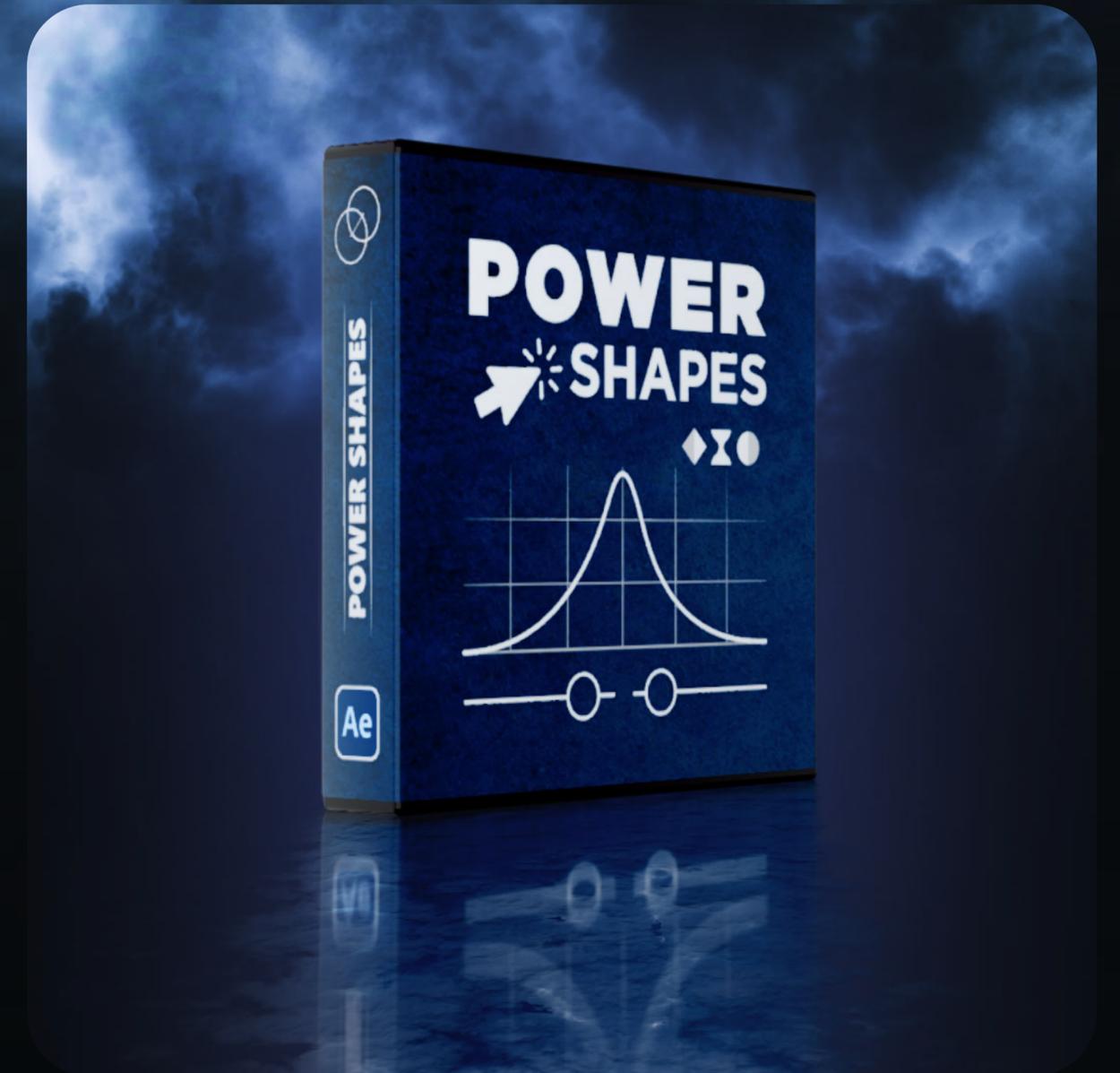
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