

# Using Boris Continuum Complete with Apple® Motion®

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## Installing in Apple Motion

Welcome to Boris Continuum Complete 3.0.3 for Apple Motion. This document contains information on installing and using BCC in Apple Motion. For information on the BCC filters, see your User Guide. For information about Boris Continuum Complete software updates, other Boris products, and additional resources, visit our web site at [www.borisfx.com](http://www.borisfx.com).

This section provides information on installing the Boris Continuum Complete 3.0.3 Try and Buy version into the Apple Motion user interface.

### Technical Support

For technical support, contact Boris Continuum technical support specialists:

web: <http://www.borisfx.com/support/>

e-mail: [support@borisfx.com](mailto:support@borisfx.com)

phone: 617-451-9900

hours: 9am-5pm Eastern Time (United States & Canada, GMT -05:00)

### Supported Hosts

Boris Continuum Complete supports the following Macintosh host applications.

Adobe® After Effects® 5.5 and later

Apple® Final Cut Pro® 4.1 and later

Apple® Motion® 1.01 and later

Boris Red® 3GL and later

Discreet® Combustion® 2.1 and 3.0.x

### Minimum System Memory Requirements

We recommend the following memory requirements for Macintosh users.

- Minimum 512 MB (assigned to host application)
- Recommended 512 MB (assigned to host application)

### Supported Operating Systems

Boris Continuum Complete 3.0.3 supports Macintosh OS™ X 10.2.8 and above.

## Installing Boris Continuum Complete into Apple Motion

The Boris Continuum Complete 3.0.3 Try and Buy version is a full featured version of BCC which works for 14 days after you install it. After 14 days, images render with an X over them.

To successfully install BCC, you must log on as an *Administrator* or have *Administrator* (read/write) privileges. Multiple users logging into the same Macintosh OS X system must each perform a separate installation of BCC. Users logged into the system who have not separately installed BCC under their login will get an error message attempting to use the plug-ins.

1. Visit the BorisFX web site ([www.borisfx.com](http://www.borisfx.com)).
2. Click the **Downloads** menu and choose *Try and Buy Versions*.
3. Locate the Continuum Family section and click *Download*.
4. Enter your information on the next page. Make sure to enter a valid email address. An **Installer Serial Number** will be sent to the email address you supplied.
5. Download the Try and Buy Installer.
6. Log on as an *Administrator* or make sure that you have *Administrator* (read/write) privileges. Enter your Administrator Name and Password. Click **OK**.

7. When you run the Try and Buy installer, enter the **Installer Serial Number** sent to your email address.
8. At the Boris Continuum Complete splashscreen, click **Continue**.
9. Read the Software License Agreement. Click **Accept**.
10. Choose a host from the list in the installer menu. Because Motion does not have a default location for third party filters, Motion is not an option. Choose **Boris Red**. The installer places the plug-ins in the default plug-ins folder for your Red, even if you do not have it installed. It also installs all of the necessary supporting files and documentation. To install into multiple hosts, select your other hosts as well.



If you already have BCC installed for Final Cut Pro, you do not need to run the Try and Buy installer. Skip to step 4 in the following section “Setting the Path for the Continuum Complete Filters” and point Motion to the location of the Final Cut Pro plug-ins folder. However, because of custom modifications in BCC for Final Cut Pro, when you use BCC in Motion two effect categories (Generators and Wipe Transitions) will display filters twice.

11. Click **Continue**.
12. When installation is complete, a dialog appears allowing you to register BCC via the internet, by mail or fax. Follow the online instructions to register your copy.
13. A dialog appears telling you that the installation is complete. Follow the onscreen instructions to either perform an additional installation of BCC, or quit the installer.
14. Follow the steps in the next section.

## Setting the Path for the Continuum Complete Filters

You need to specify the location of third-party plug-ins. Once you set this preference, the filters appear in the 3rd Party Filters category of the Library.

1. Choose Motion > Preferences or press Command-comma.
2. Click the General tab.
3. In the 3rd Party Plug-ins group, click the **Choose button** next to the **Search Path menu**.
4. Navigate to the folder that contains your BCC plug-ins. Use the following path to point to the plug-ins folder for Red.

*Library/Application Support/BorisFX/BorisPlugins/Boris Continuum Complete 3.0*



If you already have BCC installed for Final Cut Pro, point Motion to the location of the Final Cut Pro plug-ins folder instead. However, because of custom modifications in BCC for Final Cut Pro, when you use BCC in Motion two effect categories (Generators and Wipe Transitions) will display filters twice.

A dialog box informs you that the path change will take effect the next time you launch Motion.

5. Quit and relaunch Motion.

## Understanding Real-Time Performance in Motion

Unlike Motion’s native filters, third-party filters do not benefit from Motion’s real-time performance. Clips will play without rendering, but not at their full frame rate. Instead, you must use the Preview to RAM command to playback your projects at full frame rate.

1. To preview your filters, use one of the following commands.
  - Choose Mark > RAM Preview > Play Range or press Command-R to preview all tracks in the chosen Play Range.
  - Choose Mark > RAM Preview > Selection or press Command-Option-R to preview the selection. Using RAM Preview on a selection, previews all visible layers of the selection.
  - Choose Mark > RAM Preview > All or press Shift-Command-Option-R to preview the entire timeline.

A progress dialog displays as the frame being rendered, how many frames remain and an approximation of the time remaining. When the RAM preview is complete, the dialog closes. The Timeline and the mini-Timeline turn green to indicate which frames are stored.

2. The frames stored in RAM are automatically cleared if you modify them. To manually clear the RAM, choose Mark >RAM Preview > Clear RAM Preview.

## Working in Apple Motion

This section provides information on installing Boris Continuum Complete into the Apple Motion user interface.

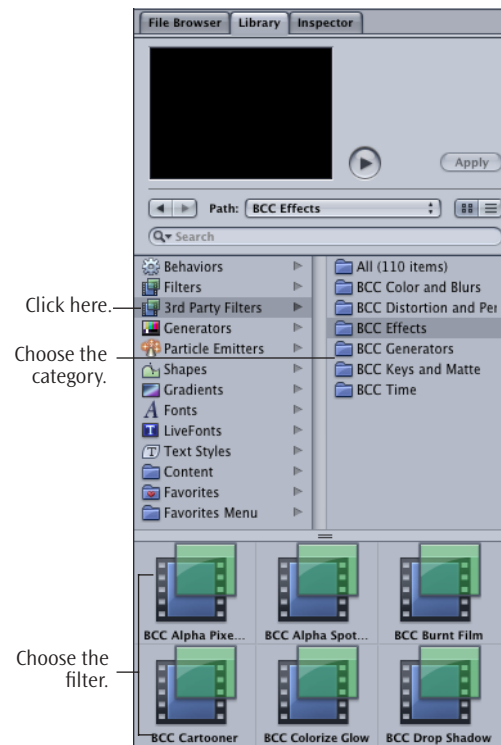
### Applying BCC Effects as Filters

The Boris Continuum Complete filters are divided into eight categories: Color & Blurs, Distortion & Perspective, Effects, Generators, Keys & Matte, Lights, Time and Wipe Transitions filters. The filters appear in the 3rd party Filters category in the Library.

1. Click the Library tab in the File Browser, press Command-2 or choose Window> Library to open the Library.
2. Click the *3rd Party Filters* category on the left side of the window.
3. Click the appropriate filter category on the right side of the window.

The filters in the chosen category display at the bottom of the Library.

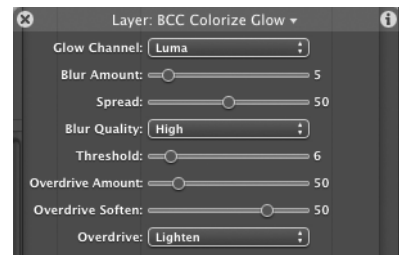
4. Drag the appropriate filter thumbnail to the Canvas or the Layers Pane.  
You can now adjust the filters in the Inspector or the Dashboard. See the next section for details.
5. Render BCC effects the way you would any other effect in Motion.



### Adjusting BCC Effects

Once you apply Boris Continuum Complete filters, you can adjust the filters in the Filters tab in the Inspector or the Dashboard.

- Click the **Inspector** tab or press Command-3 to view the filter parameters in the Inspector.
- You can also adjust the most common parameters in the Dashboard. If the Dashboard does not automatically display, choose Window > Dashboard or press F7.



### Applying BCC Effects as Transitions

BCC filters can also be used to transition between clips. Several BCC filters such as the Wipe Transitions animate automatically. The other effects apply as static transitions and you need to manually keyframe the transition from the unfiltered outgoing shot to the unfiltered incoming shot.

Some transitions can be created by applying a single effect. This method only works with some effects, for example the Wipe Transitions and effects that include a foreground and background. Since many effects do not auto animate, you must keyframe parameters to transition from the unfiltered outgoing shot to the unfiltered incoming shot.

For example, a single Page Turn filter can animate so that the Page peels away to reveal the incoming shot. For effects that do not include a foreground and background, for example a Ripple, you can animate from no ripple to a rippled image on the outgoing shot. Animating the Layer Opacity will then fade the rippling clip to reveal the incoming shot.

To create most transitions, overlap two clips and apply a BCC filter effect to each clip. This method provides greater control over effect parameters since you can animate the incoming and outgoing shots separately. You can animate the Layer Opacity to reveal the incoming shot.

1. Place the outgoing shot above the incoming shot. Overlap the clips for the duration that you want your transition.



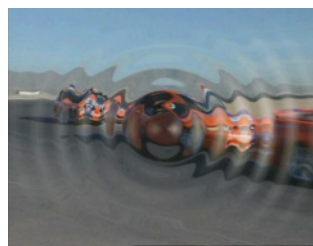
The outgoing shot must be on a track higher in the Layers Pane and the Timeline to properly reveal the incoming shot.

2. Apply the appropriate BCC effect to the top track and trim it to only apply to the overlapping section. Select the effect to load it into the Inspector. In this example, a BCC Ripple is added.
3. Click the Inspector tab in the Library window to display the filter controls.
 

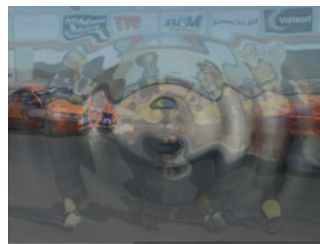
In this example, you want the Racers clip to start unrippled, then gradually ripple as it dissolves out. In most instances, you want the clip to start unfiltered and then gradually animate.
4. Position the playhead at the beginning of the filter. Add a keyframe for the **Height** and **Wave Width** parameters and set their values to **0**. This sets the parameters so that the clip is unaffected by the effect, which prevents the effect from jumping.
5. Create a keyframe at the last frame in the effect and increase **Height** and **Wave Width** to **35** and **40** respectively.
6. Create a keyframe in the middle of the filter and move the playhead to the keyframe.
7. In the Inspector, set the **Opacity** parameter to **100**. Move the playhead to the last frame in the effect and set **Opacity** to **0**. The effect now animates from fully opaque at the middle keyframe to fully transparent at the last keyframe.
8. Apply the same BCC effect to the bottom track and trim it to only apply to the overlapping section. Select the effect to load it into the Inspector.
9. In the Inspector, create a keyframe in the middle of the effect. Set **Opacity** to **50**.
10. Select the last keyframe and set **Opacity** to **100**.
11. Create keyframes at the first frame of the effect for **Height** and **Wave Width**. Leave the values at their default settings of **35** and **40**.
12. Create keyframes at the last frame. Set these two parameters to **0** so that no effect is visible. This prevents the effect from jumping.



Time 00:00:00:00



Time 00:00:00:10



Time 00:00:00:20

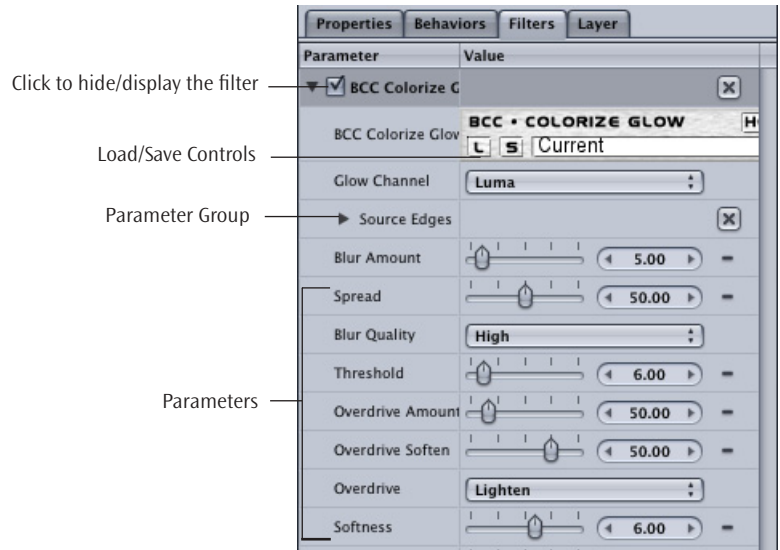


Time 00:00:01:00

13. Render the two effects just as you would any Motion effects.

## Working with Parameter Groups

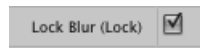
Each Continuum Complete filter has a number of parameter controls which are categorized into groups. Groups of parameters appear under a text header. The illustration below includes one parameter group—Source Edges.



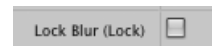
### Working with Locks

Some parameters' values can be locked together to keep their values equal when either is adjusted. For example, Scale X and Scale Y are locked by default to preserve the aspect ratio. A lock option appears before each set of parameters that can be locked together.

When the **Lock checkbox** is selected, adjusting the first locked parameter also adjusts the second locked parameter. Adjusting the second parameter has no effect on either parameter when the lock is selected.



When the **Lock checkbox** is deselected, you can adjust each parameter independently.



### Working with Layer Controls

Many of the filters include image wells which enable you to use information from other media in your project to control some aspect of the filter applied to the source media.

Drag the desired clip or sequence from the File Browser window to the Media Pane in the Layers Pane. or the Layer pane to the Layer control in the Inspector. A thumbnail of the media displays in the layer control. If you do not drag a media file or sequence into the Layer control, the source media is used.



### Clearing Layer Controls

To clear media assigned to an image well, drag the media away from the well.

### Working with Point Controls

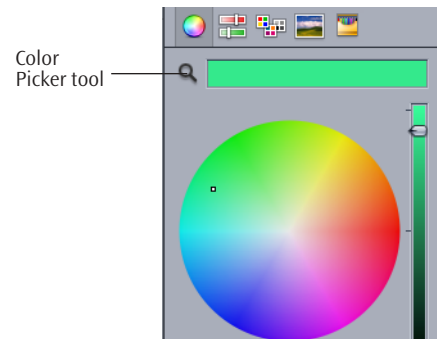
Many Boris Continuum Complete filters use point controls to specify locations along the X and Y axis in the source image.

You can enter and edit point control values in two ways:

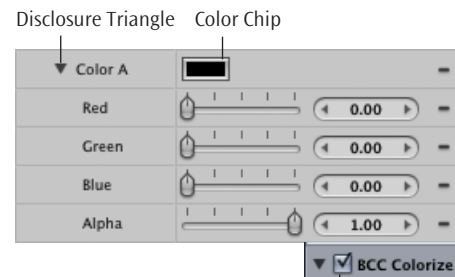
- Click the cross-hair and click the mouse at the desired location in the Canvas window.
- Click the numerical values and enter new values in the dialog box.

## Working with Color Controls

Color controls are used to choose a color for some attribute of a filter or object, such as a light source, border, or text face. Click the color chip to access the system color picker. The system color picker includes a tool that you can use to choose a color from the screen.



You can also use the Red, Green, and Blue sliders to change the value in the corresponding color channel, or input Red, Green, and Blue values directly into the numerical fields. You must click the Disclosure triangle to view the individual color channel values.



Click to hide the filter

## Hiding a Filter

You can hide a filter to view the effect without the filter or to speed previews. Click the **Filter Visibility** checkbox. When visibility is off, the filter is not displayed in the rendered output.

## Resetting a Filter

To reset a BCC filter to the default values, choose the *default preset* from the **Preset menu**. See in your User Guide for more information.

## Understanding Contextual Controls in Apple Motion

The Motion plug-in architecture does not support contextual controls, so parameters that do not apply are not dimmed in the Inspector. This means that a parameter in the Inspector may not apply unless other parameters are met. For example, the **Stretch/Direction** parameter in the PixelChooser Region parameter group has no effect if the **Shape menu** is set to *Clock Wipe*.

Because many filters use contextual controls, some parameters may not appear to work. Consult the documentation for individual filters to determine whether a parameter is contextually dependent on another parameter. You can also click the **Help button** in a filter's banner to open its help file.

## Working with the Motion Tracker Parameter Group

The Motion Tracker parameter group allows you to track the motion of an object in a media file. You can then use the motion path data to control another aspect of the effect. The parameters that can be affected depend upon the filter. For example, apply a Pyramid Blur filter to a clip and use the Motion Tracker parameters to track a logo on a t-shirt. Use the PixelChooser parameters to apply the Pyramid Blur to obscure the logo.

The Motion Tracker parameter group is included in many filters that include the PixelChooser parameter group. This allows you to apply the filter to an area using a shape choice in the PixelChooser Region parameter group's Shape menu.



Due to a problem in the Apple Motion plug-in architecture, Version 1.0 does not support the Motion Tracker. If you attempt to use the Motion Tracker, an error message displays. You must use Motion Version 1.01 to use the Motion Tracker.

The Wire Remover filter includes two Motion Tracker parameter groups so that you can track both ends of the wire that you want to remove. The Witness Protection filter allows you to apply a mosaic, blur, tint or brightness/contrast effect to the specified area.

The Light Zoom, Rays Light filters and the Lens Flare filters also include a Motion Tracker parameter group. This allows you to track the Light Source, with one exception. In the case of the Radiant Spotlight, the Spotlight Target is tracked.

The Twirl, Radial Blur, and Spiral Blur filters also include a center option. This allows you to track the center point of the effect.



Presets do not save Motion Tracker data. If you open a new preset, motion tracking data saved with it will be lost. Loading a preset will overwrite existing motion tracker data.

The motion Tracker parameter group includes the following controls.

Selecting the **Reset button** resets the parameters in the Motion Tracker parameter group.



If you reset the Motion Tracker, BCC must recompute the entire track, which could take time on a long clip with a large search region.

Pressing the **Help button** opens a .pdf format help file that is specific to your host.



We strongly recommend you reference the online Motion Tracker .pdf help files when you use the Motion Tracker. The help files offer in-depth tips on using the Motion Tracker in your specific host.

The **Tracking Source Layer** sets the layer to track, which may be different from the source of the filter.

When the **Track On-the-Fly checkbox** is selected and you press **Play**, the filter calculates the tracking data. When you select this checkbox, the chosen effect does not display. Once you finish tracking, deselect this checkbox to play the applied effect.

The **Tracker Center KF** position controls set up the area to track. However, in general it is easier to use the onscreen point controls. Then use the position controls for finetuning.

**Target Width** sets the size of the area to track. Increasing this value increases preview time but can increase the accuracy of the tracking. A white outline indicates the selected area.

The **Apply menu** determines the parameter that the Motion Tracker data affects. The choices depend on the filter.

- When *None* is chosen, the Motion Tracker data has no affect.
- In many filters that include the PixelChooser, choosing *PixelChooser* allows you to use a choice in the PixelChooser Region's Shape menu to track the filter within the specified area. You must explicitly set the **Shape menu** to one of the following choices: *Inside Rectangle*, *Outside Rectangle*, *Inside Oval*, *Outside Oval*, *Distance to Point*, *Clock Wipe*, *Linear Gradient*, or *Custom*. The Motion Tracker does not work with *Distance to Edge*. The point specified by the **Point 1** position controls is tracked.
- In the Lens Flare, Lens Flare Advanced and Rays Light suite filters, choosing *Light Source* tracks the source of the light.
- In the Rays Radiant Spotlight, choosing *Spotlight Target* tracks the target of the spotlight.
- In the Wire Remover filter, choosing *End Point 1* or *End Point 2* tracks the corresponding end point. Alternatively, you can choose *PixelChooser*.

The **Offset X** and **Offset Y** parameters, allow you to offset the effect on the X and Y axis respectively. This is useful if you want to track one area, then apply the effect to a different area. For example, you want to blur out an athlete's name on a t-shirt but don't want to blur the player's number. However, the player's number offers more contrast and is therefore easier to track. You would track the number, then offset the effect to obscure the name.

## Setting Up your Effect

The first step in motion tracking is to set up your tracker region in Track on the Fly mode. The process outlined below differs slightly in each host. Refer to the online help file in the Motion Tracker section of each filter for steps you need to follow in the host you are using. When you apply a filter that contains the Motion Tracker, press the **Help button** in the Motion Tracker banner to open its help file.



The implementation of the Motion Tracker has specific limitations in each host. Be sure to read the Motion Tracker section for your specific host.

1. Place the playhead on the first frame of your effect.
2. Select the **Track on the Fly** checkbox.
3. At the first frame, create a keyframe for the Tracker Center KF. This is important if the Tracker loses focus later in the effect and you need to adjust it.
4. Use the onscreen Tracker Center control or type in the **Tracker Center KF** numerical fields to set the center of the object you want to track.
5. Adjust the other Motion Tracking parameters as necessary, for example to set up the target region. See "Tips for Setting Up the Target Area" for more information. A good Target region includes a high-contrast object with good vertical and horizontal edge definition. Set the Target Width large enough to accommodate a good Target object.
6. Click **Play** to track your effect.
7. If necessary, add additional keyframes later in the effect, for example if the filter loses the track. For details, see "Adjusting Tracking with Hold Keyframes" on page 11.
8. You must render in the same session that you track. If you open a saved project that uses the tracker, you must retrack.

## Understanding Tracking on the Fly

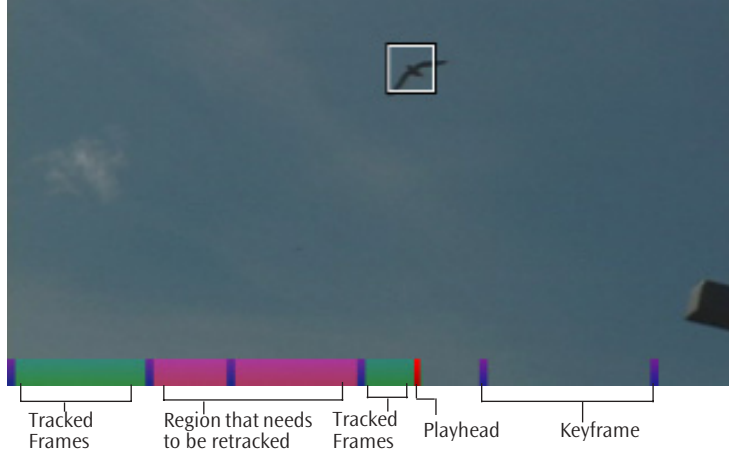
When the **Track On-the-Fly** checkbox is selected and you click **Play**, the filter calculates the tracking data.

### Understanding the Onscreen Tracking Marks

When Track on the Fly is enabled, a line along the bottom of the window indicates the location of tracked frames. The line references either the length of the original source clip (AE, Combustion, Red) or the edited source clip in the timeline (Motion, Final Cut Pro and Premiere Pro). It is important to note that this line is actually rendered onto the image when in Track on the Fly mode. You must turn off Track on the Fly before you render to disk.

- A red mark along the bottom of the window indicates the position of the current-time indicator.
- Blue marks indicate keyframe locations. A keyframe location is any frame whose position differs from that of the previous frame. A frame where the center position differs from the previous frame is also considered a keyframe. The blue onscreen marks are internal to the Motion Tracker. While the Motion Tracker considers these frames "keyframes," these are different than the keyframes that are visible in your timeline.
- Green marks indicate tracked frames that are current (the location of the tracker center has not changed since the tracking data was generated).
- Magenta marks indicates tracked frames for which the tracker center has changed. This usually indicates a region that needs retracking (unless you are manually positioning the Tracker Center KF without making keyframes in your timeline).

Track On the Fly marks on the bottom of the window



When you track an effect, marks for each tracked frame draw on the left of the current-time indicator because tracking data exists for these frames.

### Understanding Error Messages when Tracking on the Fly

The most common error you will see during tracking is a “Please Move the Current-Time Indicator...” message. The following situations can cause this error message to appear. Some scenarios only apply to certain hosts.

- If you move the playhead past the end of the tracked region.
- If you don't play every frame (for example, you play with the Space bar instead of playing every frame).
- If you partially track an effect and deselect Track on the Fly, then move the playhead past the tracked region before re-enabling Track on the Fly.
- If you press the Space bar to stop playback. When this happens, this interrupts the tracker render for the current frame. Move the playhead back one frame and clear the cache to continue. Clearing the cache is described below.

When you get this error message, perform the following steps.

1. Move the playhead to a previously tracked frame in your effect.
2. Clear the cache that your host application created for the effect. To clear the cache, press the **Reset button** then toggle a checkbox off and on, change an unused parameter in the effect or follow the directions in the dialog that appears. If you try to retrack without completely clearing the cache, the motion tracker will not work correctly because the frame that displayed the error message is already cached.

### Working with the Tracker Center KF Control

The **Tracker Center KF** position controls set up the area to track. Use the Tracker Center KF control to set up your tracking region, then adjust the Tracker Center KF position control if necessary for finetuning.

### Understanding How Keyframes Work in the Motion Tracker

If the Motion Tracker tracks incorrectly, you can keyframe the **Tracker Center KF** control. The motion tracker treats any frame as keyframed if the Tracker Center position at that frame is different from the track center at the previous frame. Keyframes appear in blue along the bottom of the preview when Track on the Fly is selected.

If you create two Tracker Center KF keyframes with different values, the tracker will treat each point between these keyframes as a keyframe.



The blue onscreen marks are internal to the Motion Tracker. While the Motion Tracker considers these frames to be “keyframes,” these are different than the keyframes that are visible in your timeline.

### Adjusting Tracking During the Effect

You may need to adjust the tracking if the tracked object changes orientation or is obscured by another object. Keyframing the **Track Center KF** control is the best way to correct this. The onscreen Tracker Center KF crosshair control does not follow the tracked object, but you can reset it to the location of the tracked object at any point in the effect

## Adjusting Tracking without Keyframes

You can also adjust tracking without using keyframes. However you should be careful working this way because if you make a mistake your effect could jump.

Move the playhead to the point where BCC lost tracking, adjust the Tracker Center KF, and continue tracking. Notice that the tracked frame markers turn from green to magenta. This indicates that the Tracker Center KF is different from the current value.

This method works unless you move the playhead to an earlier frame with the Track on the Fly checkbox selected. If you go back, the tracker retracks that frame using the new (incorrect for that frame) value of Tracker Center KF, and the final render will jump. Since you haven't saved the Tracker Center KF value for the start of the effect, you have to re-enter a value and retrack.



If you use this method, we recommend closing the Motion Tracker group as soon as you finish tracking, so you don't inadvertently change the tracker data.

## Adjusting Tracking with Hold Keyframes

We recommend that you set keyframes to Hold interpolation for most adjustments. At the frame where the effect loses tracking, create a new Hold keyframe and set the **Tracker Center KF** at the location of the object. Then continue tracking.

If the object goes behind another object for several frames, you can create a Hold keyframe at each frame where the object is obscured.

You can also put a Linear keyframe where an object becomes obscured and a Hold keyframe where the object becomes visible again. The tracker will use the interpolated values as the location of the tracked object while it is invisible. You can add new keyframes in your timeline as needed to adjust the motion while the object is concealed.

## Trimming Motion Tracked Effects

When you trim or slide a clip that has been motion tracked, the filters do not purge the tracked data. This means that if a clip is trimmed from the end, you do not need to do anything. If a clip is trimmed from the beginning (or if you slide the clip, which is the equivalent of trimming from the beginning and end), you should press the **Reset button** to invalidate all of the motion tracker data and retrack your effect.



Motion users must change or toggle a control in the effect after clicking the Reset button to purge the cache.

## Tracking Part of an Effect

At times you may want to track an object for only part of the effect. To track the object to a certain point and then hold at that point, simply stop the tracking when it reaches that point. The rendered effect will follow the object for as long as it has tracked, and then hold.

If you want the effect to hold for a while, then start tracking the object at a particular frame, follow the steps below.

1. Move the current-time indicator to the frame where you want to start tracking and add a **Linear Tracker Center KF** keyframe.
2. Create a Linear keyframe at the beginning of the effect, setting its value to a fraction of a pixel different from the value in step 1.
3. Track your effect. The tracker will assume that there are keyframes at every frame up to the one you set in step 1, so it won't track at that point in the effect. Once it reaches the second keyframe, it will track normally.

## Tips for Setting Up the Target Area

- A good Target area contains a high-contrast object with good vertical and horizontal edge definition. Ideally, you should find a pattern that is visible in every frame.
- The Target Width should be large enough to accommodate a good target image. However, processing time increases as the size increases, so do not make the Target Width unnecessarily large.
- If your image does not contain a high-contrast object and you have trouble tracking, apply the BCC Unsharp Mask or BCC Brightness Contrast filter to the Source track to increase the contrast for better results.
- Tracking is more accurate when you preview in Full Quality rather than Draft Mode.



## Known Motion Tracker Issues in Motion

- Don't try to track with another plug-in filter before (below in the timeline) the Motion tracker filter or you will hang Motion.
- Don't try to track with a native Motion filter before (below in the timeline) the Motion tracker filter, you will see a color shift in the source media.
- Don't try to track a processed layer, as this is likely to hang Motion.
- Be sure you are at the start of the clip when start tracking. If you accidentally start tracking when not at the start, you must clear the cache before proceeding. To clear the cache, move to the start and change a parameter.

## Known Issues with Motion

- When Motion renders an image of smaller resolution than the image's original size, the result appears cropped instead of scaled. This includes the Inspector tab's thumbnail and other icon images. Full size images and final renders are not affected by this issue.
- Clicking the **About button**, **Options button** or **Test OpenGL button** while playing or rendering can freeze or crash Motion.
- Time filters (that require non-current frames) display swapped color channels if they are applied downstream. To fix this, apply the filter directly to a clip. Time filters can also crash if applied to a text layer. Time filters crash or hang when applied downstream with filtered media upstream or when a Time filter is downstream from another filter.
- Sequence data is lost when a file is reopened. This means that projects that use filters with sequence data (for example motion tracking and the Grain filters) must be rendered in the session in which they are created. These filters may also not render correctly when exporting with Compressor.
- Applying a filter to an object in a layer that is in a well (for example, attempt to use a filtered object as a layer in the Z-Space filter) hangs immediately.
- Motion applied to a nested layer doesn't affect the well, so you cannot apply transformed media to wells. For example, you could not use BCC Composite to mix a layer with a transformed layer.
- Motion does not pass the project's pixel aspect ratio to plug-ins, so rendered circles may appear squished.
- Dragging a filtered object into a new layer can result in a crash.
- Motion's known field issues (which affect animation and alternate layers) make the use of movie media in wells and all Time filters render in limited quality, as the source media is field doubled.
- Current time is passed to the filters based on the start of the project, not the start of the filter or the start of the object. So particle filters applied to media that does not start at the beginning of the timeline need adjusting. This also means that the wipe transition's auto animation does not work correctly unless the clip is the same duration as the timeline; manually animate the transitions to work around this limitation.
- Grain settings and preset names are not remembered when a file is reopened.
- You must select **All Documents** in the dialog box to load Grain presets. This problem only occurs with pre-installed presets, not with custom presets created in Motion.
- All auto-animated effects behave as if the layer or media they are applied to started at the start of the project.
- The first plug-in applied after a feathered mask shape may have the areas of partial transparency darkened incorrectly.
- By default Motion will not apply an effect beyond the borders of a clip or graphic. This can cause an effect to appear clipped at the edge, for example if you applied a Ray Puffy filter, the rays would end at the edge of the clip. To solve this, insert a color solid from the Generators tab in the Library to the back of the layer you want to affect.
- There are some known issues with Time filters in Motion. Motion will only provide one field of a frame when asking for the layer at an alternate time. So for time remapping you must accept field-doubled output, or export your media to 59.94pi, work in Motion at 59.94p, and then use another application to convert the output to 29.97.
- When you load presets, use the **L** or **Load button**. The preset menu does not work in Motion.