



## Introduction

This manual contains complete documentation for FabFilter Pro-C 2 in printer-friendly format. All information in this manual is also accessible via the Help button in FabFilter Pro-C 2's user interface.

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## About FabFilter Pro-C 2

There is one signal-processing tool that is almost impossible to do without in any form of audio recording or post-production: compression. Compression is available in a wide variety of different formats, flavors, designs and degrees of quirkiness.

FabFilter Pro-C 2 is not just a good sounding compressor. FabFilter Pro-C 2 is a superb stereo compressor with all the tricks up its sleeve that you will ever need. With its different compression styles and options like mid/side compression and side-chaining with optional EQ filtering, it can work in any desired way. Whether mastering or mixing, Pro-C 2 will do the job with lots of style.



## New in version 2

When you open Pro-C 2 for the first time, you'll notice right away that it has a brand new look. With its gorgeous, resizable interface, optional level display, knee display and side-chain EQ controller, it can either take the form of a classic, straightforward analog compressor, or present itself as a modern allround compressor with extensive metering and controls. It's up to you!

Of course, apart from the new look and feel, we've also added many often-requested new features. Most importantly, FabFilter Pro-C 2 introduces [five brand new compression styles](#), in addition to the three original v1 styles. With their unique characteristics, it's like getting five brand new compressors!

- [Vocal](#) - Very effective algorithm to bring vocals to the front of your mix. It works with automatic knee and ratio settings, so compressing your lead vocal is as easy as choosing the right threshold.
- [Mastering](#) - Designed to be as transparent as possible, introducing as little harmonic distortion as possible, while still being able to

catch those fast transients.

- [Bus](#) - Especially great for bus processing, or for adding a pleasant glue to your drums, mixes or tracks.
- [Punch](#) - Traditional, analog-like compression behavior, sounds good on anything!
- [Pumping](#) - Deep and over-the-top pumping, great for drum processing or EDM.

But of course, it doesn't stop there. We've implemented a ton of other improvements:

- Introducing [Lookahead](#) (up to 20 ms), which can be enabled/disabled as well to ensure zero latency processing.
- Introducing [Hold](#) (up to 500 ms).
- Introducing [custom Knee](#), variable from hard knee to a 72 dB soft knee, which enables you to achieve saturation-like compression effects.
- Introducing [Range](#) setting, which limits the maximum applied gain change.
- Introducing [Mix](#), which scales the gain change from 0% to 200%.
- Introducing [up to 4x Oversampling](#).
- Simplified and improved side-chain stereo handling, introducing [variable stereo linking with mid-only, side-only, M>S and S>M processing](#).
- Introducing [side-chain EQ section](#), with customizable HP and LP filters, plus an additional [freely adjustable side-chain filter](#) (Bell, Low Shelf, High Shelf, Band Pass, Notch or Tilt).
- Fully [redesigned user interface](#), including optional knee and level displays with a variable range from 9 dB to 90 dB.
- Introducing [Full Screen mode](#), offering a large level display and side-chain EQ controller.
- [Extended Threshold range](#) to -60 dB.
- Introducing [Audition Triggering](#) option, to be able to hear on which parts of the audio Pro-C 2 is triggering and how much compression is taking place.
- Introducing [multiple interface sizes](#): Small, Medium and Large.
- Introducing [MIDI triggering](#). If MIDI is enabled, the compressor is triggered when you hit any key on a connected MIDI keyboard controller.
- Highly [improved level meters](#), with peak and loudness level visualization. The loudness level complies with the Momentary mode of the **EBU R128 / ITU-R 1770** standards.
- Introducing **Retina support** on OS X and **High DPI support** on Windows.

## Upgrading to Pro-C 2

Upgrading from Pro-C version 1 to the new Pro-C 2 is safe and easy: installing Pro-C 2 will **not** replace or delete the previous Pro-C 1 plug-in. Both versions will co-exist and can both be used at the same time. This ensures that you can open old songs that use Pro-C 1 without problems! FabFilter Pro-C 2 opens presets from Pro-C 1 without problems, but note that the resulting sound can be different, because of fundamental changes and improvements in Pro-C 2. See [Upgrading to Pro-C 2](#) for more information.

FabFilter Pro-C 2 is available in VST, VST3, AU (Audio Units), AAX Native and AudioSuite formats (all both 64-bit and 32-bit), as well as RTAS (32-bit only), for Mac OS X and Windows.

### Windows requirements:

32-bit: Windows 10, 8, 7, Vista or XP  
64-bit: Windows 10, 8, 7 or Vista (x64)  
VST 2/3 host or Pro Tools

### Mac OS X requirements:

32-bit: OS X 10.6 or higher  
64-bit: OS X 10.6 or higher  
AU or VST 2/3 host or Pro Tools  
Intel processor

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Next: [Quick start](#)

### See Also

[Using FabFilter Pro-C 2](#)

## Quick start

The installer will copy the FabFilter Pro-C 2 plug-in into the common VST, VST 3, AU (OS X only) and Pro Tools plug-in folders on your computer. On Mac OS X, the global plug-in folders in /Library/Audio/Plug-Ins are used.

In most cases, your host will then recognize the plugin automatically. However, if the instructions below do not work, see [Manual installation](#) instead.

- **Cubase**

Choose an empty insert slot, for example in the Mixer, and select FabFilter Pro-C 2 from the menu that appears. To use the MIDI features in Pro-C 2, create a new MIDI track and set its output to the Pro-C 2 instance you have just created. (The VST 3 version of Pro-C 2 can be found in the Dynamics section.)

- **Logic Pro**

Choose an empty insert slot on one of your audio tracks, instrument tracks or buses and select FabFilter Pro-C 2 from the pop-up menu. You will find FabFilter Pro-C 2 in the *Audio Units* -> *FabFilter* section (named FF Pro-C 2).

- **Ableton Live**

In Session view, select the track you would like to place FabFilter Pro-C 2 on, for example by clicking the track name. At the left top of Ableton Live's interface, click on the Plug-in Device Browser icon (third icon from the top). From the plug-ins list, double-click FabFilter/FabFilter Pro-C 2, or drag it onto the track.

- **Pro Tools**

Choose an empty insert slot on one of your audio tracks, instrument tracks or buses and select FabFilter Pro-C 2 from the pop-up menu in the Dynamics section.

To begin, choose fast attack and release times, put the ratio to a gentle setting (like 4:1) and bring down the threshold to make compression audible. Adjust the parameters until you have the desired effect. Have fun!

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Next: [Using FabFilter Pro-C 2](#)

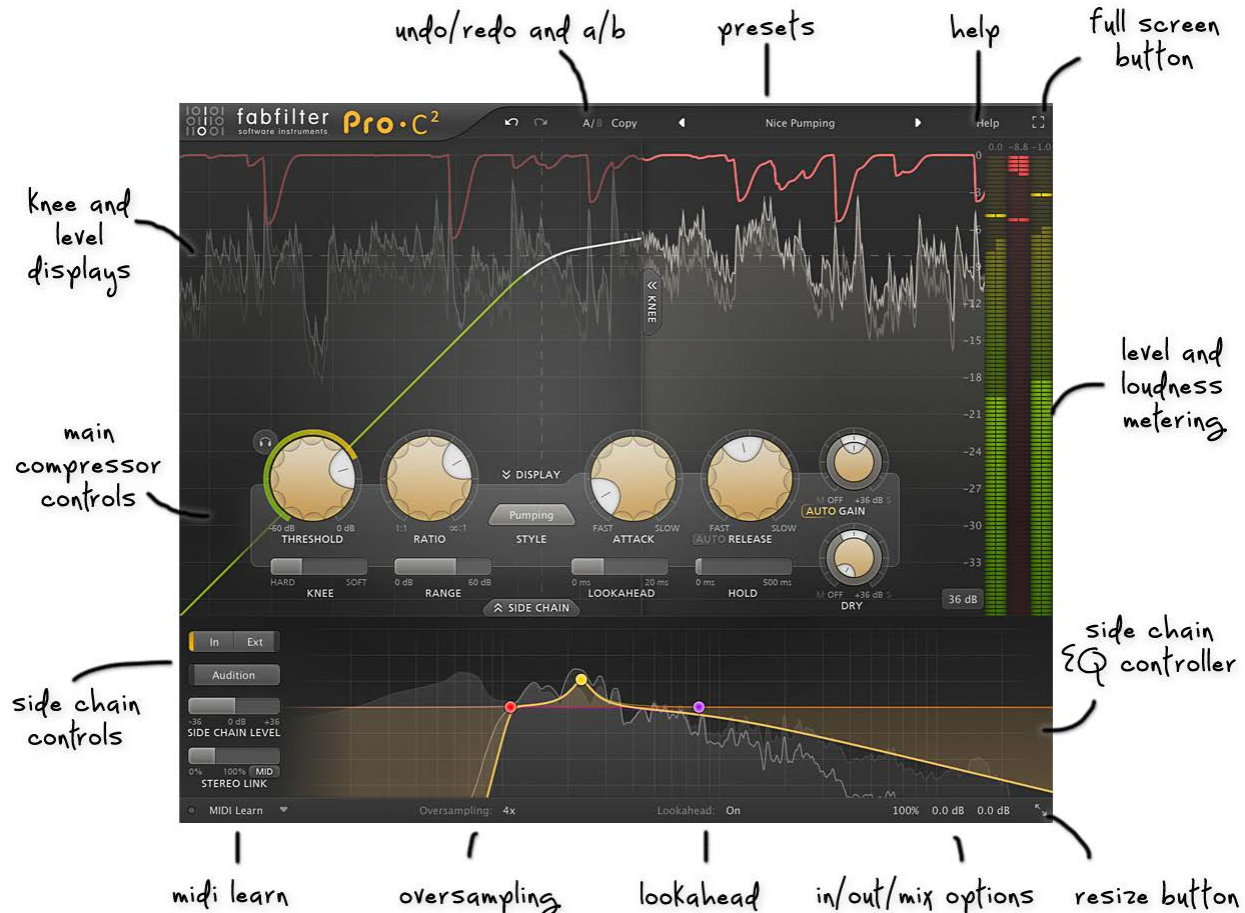
### See Also

[Manual installation](#)

[VST plug-in versions](#)

## Overview

The interface of FabFilter Pro-C 2 is designed to be easy to use while providing all necessary information and controls. It consists of the following elements:



- **Level display**

The animated level display shows you the incoming and processed audio signals together with the gain reduction. It helps you determine the correct compressor settings. You can hide the level display with the Display button. This will also hide the knee display and change the vertical level meters to horizontal ones, making Pro-C 2 look and feel more like a traditional compressor. See [Displays and metering](#).

- **Knee display**

The Knee display visualizes the input/output transform of the detection circuit, including the effect of the Threshold, Ratio, Knee and Range parameters. It conveniently uses the same scale as the level display underneath. Use the Knee button to show or hide the knee display. See [Displays and metering](#).

- **Dynamics and time controls**

Floating at the heart of the interface, there's a panel with the main compressor controls. Threshold, Ratio, Knee and Range control the triggering and how much compression is applied. The Attack, Release, Lookahead and Hold affect the smoothing and curves of the gain reduction. See [Dynamics controls](#) and [Time controls](#).

- **Level metering**

At the right-hand side of the interface, the input-, gain reduction- and output level meters and their read-outs provide an immediate overview of the current levels. The input and output level meters show both peak and loudness levels. The loudness level complies with the *Momentary* mode of the EBU R128 / ITU-R 1770 standards. See [Displays and metering](#).

- **MIDI Learn**

MIDI Learn lets you easily associate any MIDI controller with any plug-in parameter. See [MIDI Learn](#).

- **Oversampling**

The Oversampling setting sets the amount of internal oversampling, which reduces possible aliasing for fast/aggressive dynamics processing, at the cost of additional CPU usage. See [Oversampling](#).

- **Input and output options**

At the right of the bottom bar, you can bypass the entire plug-in and adjust the initial input and final output levels. See [Input and output options](#).

- **Resize and Full Screen mode**

The Resize button at the far right of the bottom bar selects between various interface sizes. In addition, click the Full Screen button at the right top corner of the interface to let Pro-C 2 fill the entire screen. See [Full Screen mode and resizing](#).

- **Presets, undo, A/B, help**

With the preset buttons, you can easily browse through the factory presets or save your own settings so you can re-use them in

other songs. The Undo, Redo, A/B and Copy buttons at the top of the plug-in interface enable you to undo your changes and switch between different states of the plug-in. Finally, the Help menu provides access to help and version information. See [Loading presets](#) and [Undo, redo, A/B switch](#).

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Next: [Knobs](#)

#### **See Also**

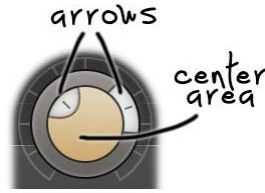
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## Knobs

It is easy to control FabFilter Pro-C 2's parameters with the large round knobs. They will light up when you move the mouse cursor around to indicate that you can adjust them. The moment you move the mouse cursor over a knob, a parameter value display will pop up, which shows the name and the current value of the parameter.



All knobs support four ways of control:

1. **Vertical mode**

Click on the center area of a knob and drag up or down to rotate it. The knob reacts to the speed with which you are dragging, so if you move the mouse slowly, you make precise adjustments.

2. **Rotate mode**

Grab the arrow of the knob and drag it around. By moving the mouse cursor further away from the knob while dragging it, you can make precise adjustments.

3. **Mouse wheel mode**

Perhaps the easiest way to make adjustments is by using the mouse wheel when you hover over a knob. This mode works for all the knobs and possible panning rings. (On Windows, you might need to click in the plug-in interface first to make sure it is the active window.)

4. **Text entry mode**

Double-click a knob to enter an exact value using the keyboard.

### Tips

- To **reset** a knob to its default position, hold down the *Ctrl* key (Windows) or *Command* key (Mac OS X) and click the knob once. Note: In Pro Tools, Pro-C 2 uses the default Pro Tools keyboard shortcut for reset: *Alt*+click.
- To **fine-tune** a value when using vertical drag mode or the mouse wheel, hold down the *Shift* key while dragging or moving the mouse wheel. Note: In Pro Tools, Pro-C 2 uses the default Pro Tools keyboard shortcut for fine tune: *Ctrl*+drag on Windows or *Command*+drag on OS X.
- There are several **handy shortcuts in text entry mode**. With frequency values, you can type e.g. '1k' to set the value to 1000 Hz, and also 'A4' for 440 Hz, or even strings like 'C#3+13'. With dB values, you can type e.g. '2x' to get +6 dB (the value that corresponds to two times louder). With all values, you can also type a percentage (e.g. '50%' will put a knob exactly in the middle position).
- Sometimes, knobs in our plug-in interfaces are **linked**: these be adjusted simultaneously by holding down the *Alt* key (*Shift* key in Pro Tools) while dragging on one of them. For example, an output level and input level setting of a plug-in could be adjusted simultaneously (in the opposite direction) this way.

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Next: [Dynamics controls](#)

### See Also

[Using FabFilter Pro-C 2](#)



## Dynamics controls

The left part of the main compressor settings panel contains the large style button and the controls that affect the detection path of the compressor.



- The **Style** button selects the style or compression. Pro-C 2 offers 8 different styles, all with their own characteristics:
  - **Clean** - An allround, low distortion, feedforward, program dependent style (*originally from Pro-C v1*).
  - **Classic** - A vintage, feedback, very program dependent style (*originally from Pro-C v1*).
  - **Opto** - A relatively slow, very soft knee, more linear opto style (*originally from Pro-C v1*).
  - **Vocal** - A very effective algorithm to bring vocals to the front of your mix. It works with automatic knee and ratio settings, so compressing your lead vocal is as easy as choosing the right threshold.
  - **Mastering** - Designed to be as transparent as possible, introducing as little harmonic distortion as possible, while still being able to catch those fast transients.
  - **Bus** - Especially great for bus processing, or for adding a pleasant glue to your drums, mixes or tracks.
  - **Punch** - Traditional, analog-like compression behavior, sounds good on anything!
  - **Pumping** - Deep and over-the-top pumping, great for drum processing or EDM.
- The **Threshold** knob determines above which side chain level the gain should be reduced. The circular side-chain level meter around the Threshold knob shows the level of the filtered and possibly stereo-linked signal that is used for detection. This feedback makes it a lot easier to choose a proper Threshold setting.
- Using the **Audition Triggering** button, at the left top of the Threshold button, you can hear on which parts of the audio Pro-C 2 is triggering and how much compression is taking place. This helps you choose an appropriate Threshold level as well, making sure Pro-C 2 catches the necessary peaks.
- The **Ratio** knob sets the amount of compression. At a ratio of 10:1, just one dB of output signal above the threshold remains for every 10 dB of input signal above the threshold. You can click on the small dots around the Ratio knob to jump to certain fixed ratio amounts. If you move the knob completely to the left (1:1), no compression will take place. If you move it completely to the right (infinity), everything above the threshold will be completely compressed away, making Pro-C act as a limiter.
- The **Knee** slider set the 'roundness' of the compression around the threshold, which can vary from 0 dB (hard knee) to 72 dB (soft knee). Using a soft knee can help to make the compression more gradual and transparent. With very soft knee settings (> 60 dB), in combination with a fast Attack setting, you can achieve almost saturation-like effects.
- The **Range** slider limits the maximum amount of applied gain change. Compare this to the Ratio slider which scales the dynamics behavior instead.

### Tips

- Instead of using the incoming audio to trigger the compressor, you can also **trigger it via MIDI**. If MIDI is enabled (see [MIDI Learn](#)), compression will be applied when you hit any key on a connected MIDI keyboard controller, using the Note On event.

Next: [Time controls](#)

### See Also

[Side chain section](#)  
[Using FabFilter Pro-C 2](#)

## Time controls

The right part of the main compressor settings panel contains the controls that affect the smoothing and curve shape of the gain change signal, and the wet/dry mixing controls.



- The **Attack** knob determines how fast compression will kick in, ranging from 0.005 ms (very fast) to 250 ms (very slow). For transient-rich program material like drums, fast attack times are needed to minimize overshoot. For other program material, too short attack times may dull the sound or introduce audible distortion. FabFilter Pro-C 2 is capable of very fast attack times and they are program dependent.
- The **Release** knob sets the time that the compressor takes to recover from gain reduction. The various compression characteristics of Pro-C 2 use different release models, and in most cases, the release time is very program dependent. This means that Pro-C 2 recovers very quickly from compression after a transient, and quite slowly after longer periods of gain reduction. Note: When Auto Release is used, the Release knob will adjust the overall effect of the auto release feature on the release time.
- The **Auto Release** button (the AUTO label next to RELEASE) enables a smart auto release feature. When enabled, the compressor adjusts the release time depending on the current amount of gain reduction, so this actually introduces an additional form of program dependency. When Auto Release is used, the Release knob will adjust the overall effect of the auto release feature on the release time.
- The **Lookahead** slider sets how much advance time Pro-C 2 will use to anticipate peaks in the audio signal. Using a bit of lookahead can help to preserve transients and results in much more transparent gain reduction. Because lookahead causes additional latency, it can be globally enabled or disabled in the bottom bar.
- The **Hold** slider sets the time with which peaks in gain reduction will be prolonged. Applying a bit of hold time can help increase the transparency of gain reduction. With longer hold times, you can achieve nice pumping effects.
- The **Wet Gain** knob adjusts the gain of the signal after it has been compressed. This is also known as make-up gain because it compensates for the gain reduction introduced by the compressor. The pan ring around the Wet Gain knob controls the balance between mid and side. This can be especially useful when applying make-up gain after mid-only or side-only compression.
- When **Auto Gain** is enabled (using the AUTO button next to GAIN), automatic make-up gain is applied to the processed signal, depending on current settings for Threshold, Ratio, Knee and Attack. Auto Gain helps you to keep the audible audio level the same while adjusting the controls. The Auto Gain algorithm is aware of mid-only or side-only processing. So for example, if you're compressing 100% mid-only, Auto Gain will only apply make-up gain to the mid signal and leave the side-signal untouched.

Note that the auto-gain algorithm doesn't actually measure loudness to determine which gain to apply. It just makes an educated guess, so you might want still to tweak the output gain in some situations.

- The **Dry Gain** knob controls the amount of dry (uncompressed) input signal that is added to the output. This is called parallel compression: the dynamics in the dry signal are preserved while the compressed signal adds body and character to the overall sound. The advantage of this is that the sound is reinforced where it needs it, but without the risk of crushing any peak transients.

## Program dependency

The different compressor styles in FabFilter Pro-C 2 all have their own kind of program dependency. This means that the compressor reacts differently to different kinds of input (program material). For example, Pro-C 2 will recover very fast from transients (fast changes/peaks), but will react quite a bit slower after longer periods of gain reduction. Both the attack and release times are less or more program dependent, depending on the chosen compression style.

Next: [Side chain section](#)

## See Also

[Dynamics controls](#)

[Using FabFilter Pro-C 2](#)

## Side chain section

Click the Side Chain Expert button (centered under the main panel with compressor controls), to enable or disable the advanced side chain features, like stereo linking, M/S processing and side-chain EQ'ing.

- The **Side Chain Expert** button globally enables or disables the side chain section. To avoid surprises, the side chain settings are *only* in effect when the side chain section is visible.
- The **In/Ext** buttons choose between the internal, normal plug-in input, or the external side chain input. For more information on connecting the external side chain in various hosts, see [External side chaining](#).
- The **Audition** button lets you listen to the filtered and stereo-linked signal that will be used to trigger compression. You can turn Audition mode on or off with a single click, but you can also click-and-hold the button to temporarily audition the trigger signal.



## Stereo linking and M/S processing

The Stereo Link slider sets the amount of stereo linking for the trigger input signal, and also selects between normal stereo processing or mid-only/side-only processing.

The first half of the slider range sets stereo linking from 0% (fully unlinked, channels operate independently) up to 100% (fully linked, resulting in the same gain reduction for both channels). By dragging the slider further, Pro-C 2 will eventually process only the mid-signal (mono content of the processed audio), or only the side-signal (stereo content of the processed audio). If you'd like to learn more about mid/side processing and its various uses, check out our [Mid Side Demystified](#) video tutorial by Dan Worrall.

Using the small **Stereo Link Mode** button at the right bottom of the Stereo Link slider, you can choose between four options. With the slider all the way to the right, this will be the result:

- **Mid** - Only trigger on, and apply compression to, the mid signal.
- **Side** - Only trigger on, and apply compression to, the side signal.
- **M>S** - Trigger on the mid signal but only apply compression to the side signal.
- **S>M** - Trigger on the side signal but only apply compression to the mid signal.

M/S processing can be very useful, especially during mastering. For example, bass or lead vocals are often placed in the center of the stereo image, so only processing the mid-signal will leave all stereo content untouched, ensuring the most transparent end result possible.

To better understand the working of these settings, enable the Audition button. You can now directly hear the effect of stereo linking and mid-only or side-only processing!

## Side chain EQ controller

The large interactive EQ controller takes up most of the side chain section, and enables you to easily adjust the side chain filtering. It offers a fixed number of bands: a low cut filter, a high cut filter and one additional "Mid" band in the center, which is fully customizable.

Note that the Mid band is in **Auto Mode** by default. This makes it a Bell curve with automatically chosen frequency, gain and Q settings. It's placed in between the low and high cut filters. When these are enabled, it will accentuate the center frequency when the range gets very narrow. This makes it a lot easier to trigger on very specific frequencies.



When you disable Auto Mode for the Mid filter, you can freely adjust its frequency, gain, Q and shape (Bell, Low Shelf, High Shelf, Band Pass, Notch or Tilt), and control it directly via the side chain EQ controller. You can interact with the display in various ways:

## Selecting bands

- Click the EQ band's dot or the colored area around it to select it.
- Click and drag on the display background to select adjacent bands by dragging a rectangle around them.
- Hold down *Ctrl* (*Command* on Mac OS X) and click another dot to select multiple bands. Hold down *Shift* and click a dot to select a consecutive range of bands.
- Deselect all bands by clicking anywhere on the display background.

## Adjusting and editing bands

Once you have one or more side chain EQ bands selected, the display highlights the shapes of the selected bands. Now you can simply make adjustments by dragging them around:

- Click and drag a selected dot to adjust the **frequency** of the selected bands (and the **gain** of the customizable mid band).
- Use the mouse wheel to adjust the **Q setting** of the mid band, making them narrower or wider. This works while dragging or when the mouse pointer is above a curve. Alternatively, hold down *Ctrl* (*Command* on Mac OS X) while dragging vertically.
- Hold down *Shift* while dragging to **fine-tune** the settings of the selected bands.
- Hold down *Alt* while dragging to **constrain** to horizontal adjustments (frequency) or vertical adjustments (gain or Q, depending on the *Ctrl/Command* key).
- Hold down *Alt* and click the dot on an EQ band once to toggle its **bypass** state (enabling or disabling the band).
- Hold down *Ctrl+Alt* (*Command+Alt* on Mac OS X) and click the dot of the customizable Mid band to change its **shape**.
- Hold down *Alt+Shift* and click the dot of the low or high cut filter once to change its **slope**.
- Double-click a dot to **enter values in the parameter value display** (using the *Tab* key to step through Frequency, Gain and Q) or double-click the values in the parameter value display directly. Note that you can enter frequencies in various ways, like "100", "2k", "A4" or "C#2+13".
- If you right-click on the dot for an EQ band, a **pop-up menu** appears with various band settings. This is a quick way to modify the EQ band while you're working in the display.

## Tips

- The Stereo Link slider is of course only enabled in the stereo version of FabFilter Pro-C 2.
- In **Full Screen mode**, available via the button at the right top of the interface, Pro-C 2 will fill the whole screen, making the side chain EQ controller much larger as well, so you can make very precise adjustments. See [Full Screen mode and resizing](#).
- Compression is also triggered by MIDI notes. If at least one note is on, the compressor behaves as if a 0 dB signal is entering the side chain at this moment, so it is strongly triggered. The Disable/Enable MIDI option in the [MIDI Learn](#) menu turns this off as well.

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Next: [Displays and metering](#)

## See Also

[Using FabFilter Pro-C 2](#)

[Dynamics controls](#)

[Time controls](#)

## Displays and metering

FabFilter Pro-C 2 features a large animated level display with an optional knee display on top of it, and precise input, gain reduction and output metering.

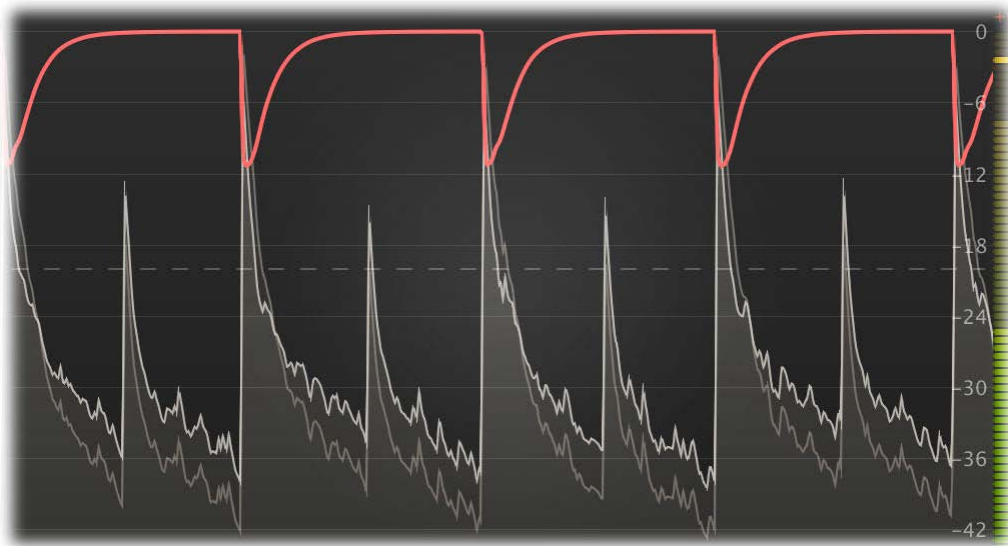
### Knee display

The knee display shows the input/output relationship, visualizing the Threshold, Ratio, Knee and Range settings. The horizontal axis of the display corresponds to the input signal level, and the vertical axis is the output level, both in dB. When running audio through the plug-in, the white transfer curve will turn green, indicating the current input level. You can choose to show or hide the knee display using the Knee button at its right-hand border. Once you've chosen a setting, new instances of the plug-in will always open this way.



Note that knee display, level display and level meters all use the same meter scale, which makes it easier than ever to find the proper compression settings. The scale can be adjusted using the **meter scale** button at the right bottom of the interface (next to the level meters). Once you've chosen a setting, new instances of the plug-in will always open with the selected meter scale.

### Level display



The top part of Pro-C 2 is actually a large animated level display, with the main compression controls panel floating above it. The level display visualizes the input and output level, together with the applied gain change. The input is shown in dark grey, while the output is light grey with a light stroke, which makes it easy to see the exact effects of the applied gain reduction. The gain reduction itself is shown as a red line.

Using the Display button (right above the Style button in the compression controls panel), you can hide or show the level display. Hiding it will also hide the knee display and changes the vertical level meters to larger horizontal ones. This way, Pro-C 2 looks and feels more like a traditional compressor. Once you've chosen to show/hide the display, new instances of the plug-in will always open this way.



### Peak level and loudness level metering

At the right of the interface, there are three accurate **peak level meters** that display the current input, gain reduction and output levels. The read-outs above the level meters show the highest measured peak value, until you click on them.

Additionally, the input and output meters also show the loudness level (per channel) on top of the peak level. The loudness level complies with the *Momentary* mode of the *EBU R128 / ITU-R 1770* standards.

### Notes

- You can change the scale of the displays and level meters using the **meter scale** drop-down button, ranging from 9 dB (for precise mastering purposes) to 90 dB (general mixing and bus processing).
- If the level meters indicate clipping, this does not imply distortion in Pro-C 2: it can handle levels above 0 dB easily. Rather, this indicates that the signal might clip in another part of the audio chain, for example your sound card or host software. Click at the top of a meter to reset its clipping indication.

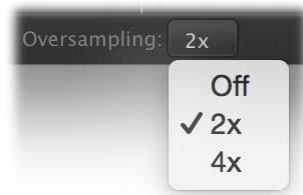
Next: [Oversampling](#)

### See Also

[Dynamics controls](#)  
[Input and output options](#)  
[Using FabFilter Pro-C 2](#)

## Oversampling

The dynamics algorithms often need to make very quick changes to the audio when applying gain change. These sudden changes can introduce a small amount of aliasing, which causes distortion and generally reduces the quality of the audio signal. Oversampling is a way to reduce that aliasing by running the internal process at a sample rate that is two or four times higher than the host's sample rate.



### When should I use oversampling?

You need it more when the compression is more aggressive and apparent. Usually, this is the case when using lower Attack and Release and/or higher Ratio and Range settings.

Of course, in return for a reduction of possible aliasing/distortion, the plug-in will use more CPU power when using oversampling. In addition, oversampling introduces a small latency, in addition to [lookahead](#) latency.

### Tips

- Do you need to use zero-latency processing? Disable oversampling and lookahead in the bottom bar.

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Next: [Full screen mode and resizing](#)

### See Also

[Using FabFilter Pro-C 2](#)

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## Full Screen mode and resizing

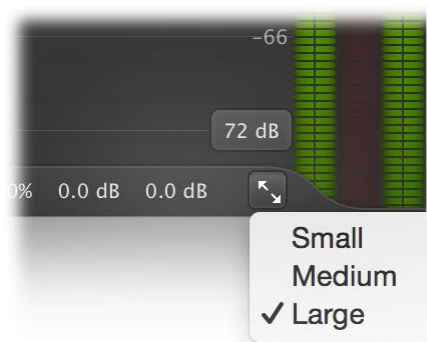
With just the click of a button, the Pro-C 2 interface will fill up the whole computer screen so you can get the most out of the level display and make ultra-precise adjustments in the side-chain EQ controller.

To exit Full Screen mode, just press Escape or click the Full Screen button again.



## Resizing

In addition to Full Screen mode, you can also customize the normal interface size using the Resize button at the right of the bottom bar. You can choose between Small, Medium (default) or Large. Once you have selected a size, it will automatically become the default size for new plug-in instances. Note that if an option is greyed out, it means that the current display's resolution is too small to support this interface size.



## Tips

- When using the VST3 plug-in, you can resize the plug-in interface by just dragging the window edges to any size you like. Of course you can always go back to one of the predefined sizes with the resize button.
- If a resize option is greyed out, this means that the current display is too small to support this interface size.

Next: [Input and output options](#)

## See Also

[Using FabFilter Pro-C 2](#)  
[Side chain section](#)





## Input and output options

At the right-hand side of the interface, FabFilter Pro-C 2 offers high-resolution input, gain reduction and output level meters. At the top of the meters, the maximum level is displayed together with a clipping indicator. Simply click the level readings to reset them.

At the right bottom of the interface, you'll find the bypass, mix, input level and output level controls, all accessed via a single output button. As soon as you hover the mouse above the output button, a panel will pop up, giving you access to the following settings:



- The **Input Level/Pan** knob at the left adjusts the level and L/R panning of the input signal before any processing is applied. You can use this as an alternative to changing the threshold.
- The **Output Level/Pan** knob at the right adjusts the level and L/R panning of the final output signal. This lets you compensate globally for any gain added or removed by dynamics processing.
- The **Global Bypass** toggle button to the left of the Mix button bypasses the entire plugin. While most hosts already provide the ability to bypass plug-ins, our internal global bypass feature is guaranteed to correctly compensate the latency of the plug-in and it also applies soft bypassing to avoid clicks. While the plug-in is bypassed, the display dims and a red light glows in the bypass button itself. The top of the output button in the bottom bar is also highlighted in red.
- The **Mix** slider enables you to mix between the dry and processed signals, scaling the overall dynamic and static gain changes. Because the Mix slider ranges from 0% to 200%, you can also choose to increase overall gain processing instead of fading it out!

### Tips

- You can directly adjust the mix, input gain or output gain by clicking and dragging the button text vertically. You can use your mouse wheel while hovering over the button text or double-click it to directly enter a value using the keyboard.
- If desired, you can make the output options panel 'sticky' by clicking the output button once. Click it again to hide the panel.
- By holding down the *Alt* key (*Shift* key in Pro Tools) while dragging, input and output level can be adjusted simultaneously in the opposite direction.

---

Next: [MIDI Learn](#)

### See Also

[Using FabFilter Pro-C 2 Knobs](#)

## MIDI Learn

Controlling FabFilter Pro-C 2's parameters directly with MIDI is very easy using the MIDI Learn feature. With MIDI Learn, you can associate any MIDI controller with any parameter.



Click the **MIDI Learn** button in the bottom bar to enter MIDI Learn mode. The interface dims and the parameters that can be controlled are highlighted. Each parameter has a small text balloon that displays the associated controller number. Now do the following to associate a controller number with a parameter:

1. Touch the control of the desired parameter in the interface that you wish to control. A red square will mark the chosen parameter.
2. Adjust the slider or knob on your MIDI keyboard or MIDI controller that you want to associate with that parameter.

That's it! The parameter will now be controlled with the MIDI controller. You can now go back to step 1 to associate a different parameter. Note that there is no warning when you associate a different knob with a controller number that is already used. It will just be replaced.

To exit MIDI Learn mode, click the MIDI Learn button again, or click Close at the top of the interface.

Click the small menu drop-down button next to the MIDI Learn button to access the **MIDI Learn menu**:

- **Enable MIDI**

This globally turns MIDI control of parameters on or off: useful in hosts that automatically send all MIDI events on a track to all effect plug-ins associated with that track as well.

- **Clear**

This submenu shows all parameter associations and lets you delete individual associations or clear all associations in one step.

- **Revert**

Reverts to the last saved MIDI mapping (or the state when the plug-in was started).

- **Save**

Saves the current MIDI mapping so Revert will go back to this state. The current mapping is automatically saved when closing the plug-in.

## Routing MIDI to effect plug-ins

For MIDI Learn to work properly, the plug-in need to actually receive MIDI of course. Depending on your host, it can be quite difficult to route MIDI data to effect plug-ins. Here's how to do it in the most important hosts:

- **Logic Pro**

Instead of adding FabFilter Pro-C 2 to one of the insert slots, create a new **Instrument Track**, and click on the Instrument slot. Then choose **AU MIDI-controlled Effects** > FabFilter > FF Pro-C 2. Now, the plug-in receives MIDI. To get audio into the plug-in, click the '**Side Chain**' drop down menu in Logic's plug-in header and choose the actual input track. Next, you can mute that original track, so you only hear the audio through the plug-in. The only downside is that plug-ins with an external side-chain cannot use it anymore.

- **Cubase**

Simply create a new **MIDI track** and set its output to the Pro-C 2 instance you would like to control via MIDI.

- **Pro Tools**

Create a new **MIDI track**. From the MIDI input drop down menu, choose your MIDI device (if not already selected) and from the MIDI output drop down menu, choose FabFilter Pro-C 2 -> channel 1 for the instance you would like to control.

- **Ableton Live**

First of all, create a new **MIDI track**. From the 'MIDI from' drop down menu, choose your MIDI device (if not already selected). Then, in the 'MIDI to' drop down menu, choose the Audio track that has FabFilter Pro-C 2 on it. NOTE: only the first plug-in on any track can receive MIDI!

### Tips

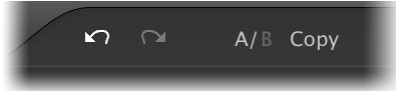
- Compression is also triggered by MIDI notes. If at least one note is on, the compressor behaves as if a 0 dB signal is entering the side chain at this moment, so it is strongly triggered. The Disable/Enable MIDI option in the [MIDI Learn](#) menu turns this off as well.

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Next: [Undo, redo, A/B switch](#)

## Undo, redo, A/B switch

The Undo and Redo buttons at the top of the FabFilter Pro-C 2 interface enable you to easily undo changes you made to the plug-in. With the A/B feature, you can quickly switch between two different states of the plug-in.



- The **Undo** button at the left will undo the last change. Every change to the plug-in (such as dragging a knob or selecting a new preset) creates a new state in the undo history. The Undo button steps back through the history to restore the previous states of the plug-in.
- The **Redo** button cancels the last undo command. It steps forward through the history until you are back at the most recent plug-in state.
- The **A/B** button switches from A to B and back. Before switching, the current state of the plug-in is saved, so if you click this button twice, you are back at the first state. The button highlights the currently selected state (A or B). In the example above, the A state is active.
- The **Copy** button copies the active state to the inactive state. This marks the current state of the plug-in and allows you to go back to it easily with the A/B button. After clicking Copy, the button disables itself to show that both states are equal, so there is nothing to copy anymore.

### Notes

- If the plug-in parameters are changed without using the plug-in interface, for example with MIDI or automation, no new undo states are recorded.
- The Undo and Redo buttons will disable themselves if there is nothing to undo or redo.

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Next: [Loading presets](#)

### See Also

[Using FabFilter Pro-C 2](#)

## Loading presets

Plenty of presets are provided with FabFilter Pro-C 2, giving a good idea of what you can do. You can either use the presets as they are, or tweak them further to create your own unique settings.

- To load a preset, click the preset button. The presets menu will appear with all available presets. Click a menu item to load that preset. The currently selected preset is highlighted with check marks.
- To explore the presets one by one, click on the little arrow buttons to the left and right of the main preset button. This will load the previous or next preset in the menu.

The preset button shows the name of the current preset. If you have changed the preset by adjusting one or more parameters, the name is dimmed to indicate that this is not the original preset anymore.

### Tips

- The **Default Setting** preset is loaded automatically when FabFilter Pro-C 2 is started. To change the default settings, simply overwrite this preset by clicking **Options > Save As Default** in the presets menu.
- To open a preset outside the [presets folder](#), click **Options > Open Other Preset**. This might be useful if someone sends you a preset by e-mail, for example.
- If somehow the factory presets are lost or not installed properly, click **Options > Restore Factory Presets** in the preset menu to restore them.

## MIDI Program Change and Bank Select

Loading a presets can also be done via MIDI, using Bank Select and Program Change messages. Click **Options > Enable MIDI Program Changes** in the preset menu to enable or disable this feature. When enabled, the corresponding bank/program numbers are shown in front of the preset name (for example: *(2/65) My Preset*). This means that you can load that preset by first sending a Bank Select message to select bank 2 and then sending a Program Change message to select program 65.

**Important:** All the presets in your preset folder are numbered automatically, starting with bank 0 and program 0. This way, you are able to access any of the presets via MIDI. However, this also means that when you add new presets to the menu, bank/program numbers of other presets might change. Be aware of this when recording program changes in a session!

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Next: [Saving presets](#)

### See Also

[Undo, Redo, A/B switch](#)

[Using FabFilter Pro-C](#)

[Acknowledgements](#)

## Saving presets

You can easily extend the included presets with new settings to build your own library of presets for FabFilter Pro-C 2 that you can reuse in various projects. This is also a good way to copy settings across multiple instances of FabFilter Pro-C 2 in a session.

To save the current setting as a preset, click the preset button, and then click *Save As*. A standard Save dialog will appear. Type a name for the new preset and click *Save* to finish.

In the Save dialog, you can also rename and delete existing presets and create a new folder to store presets in. New folders will show up as new categories in the preset menu. (On Mac OS X, this should be done with the Finder.)

See [How presets are stored](#) to determine the preset folder location and learn more about factory presets.

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*Next:* [How presets are stored](#)

### See Also

[Loading presets](#)

[Using FabFilter Pro-C](#)

## How presets are stored

Presets for FabFilter Pro-C 2 are stored in separate files with the .ffp extension (for FabFilter Preset). All presets reside in subfolders in the main preset folder. The subfolders will show up as separate categories in the preset menu. You can also further divide the subfolders into categories.

You can manage the preset files just like other files on your computer. The easiest way to do this is in the Save dialog that appears if you are saving a preset. The preset menu will automatically reload itself with the changes when the dialog is closed.

Furthermore it is very easy to share your newly created presets with other users since FabFilter presets use the same file format on both Windows and Mac OS X.

The default location of the main preset folder is *My Documents\FabFilter\Pro-C 2* for Windows, and *~/Library/Audio/Presets/FabFilter/FabFilter Pro-C 2* for Mac OS X. To change this location, first copy all presets to the desired new location, and then click **Options > Change Preset Folder** in the preset menu and select the new folder.

## Restoring factory presets

If you have accidentally lost the factory presets, you can easily restore them by clicking **Options > Restore Factory Presets** in the preset menu. This will install all factory presets again.

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Next: [Purchasing FabFilter Pro C](#)

### See Also

[Saving presets](#)

[Using FabFilter Pro C](#)



## Purchasing FabFilter Pro-C

Once you have downloaded and installed the evaluation copy of the FabFilter Pro-C 2, you may evaluate it during 30 days. Every time you start the plug-in, you will see the following dialog:




While there are still days left, you can click **Evaluate** to start working with the plugin. If you want to keep using FabFilter Pro-C 2 after the evaluation period, you must buy a copy in the online FabFilter Shop by clicking the **Buy Now** button in the evaluation dialog.

- [Go to the FabFilter Shop and purchase FabFilter Pro-C 2 now](#) 

We accept credit cards from all major companies, check payments, wire payments, and PayPal. The FabFilter Shop uses secure connections and encryption: therefore your personal information is completely safe.

Within a few minutes after you have purchased your copy, you will receive an e-mail containing your personal license key. You use this license key to turn the evaluation copy into a fully registered version without the evaluation dialog and the 30-day trial restriction.

**Note:** If the evaluation period has expired but you didn't have the chance to properly evaluate the plug-in, you can request a new evaluation period by contacting us at [info@fabfilter.com](mailto:info@fabfilter.com) .

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Next: [Entering your license key](#)

### See Also

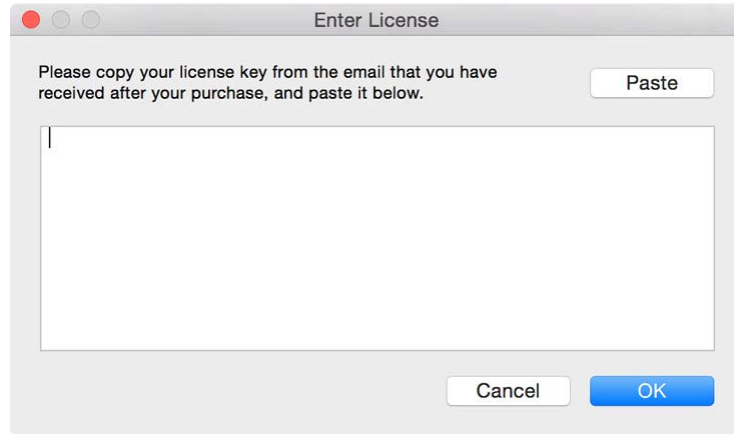
[Support](#)

[License agreement](#)

## Entering your license key

After you have purchased FabFilter Pro-C 2 in the online [FabFilter Shop](#), you will immediately receive an e-mail containing your personal license key. This license key will turn the evaluation version into a fully registered plug-in.

- Start FabFilter Pro-C 2 and click **Enter License** in the evaluation dialog, or click Enter License on the Help menu if the plug-in is already running.
- Copy the license information from the e-mail you have received and paste it into the text field. Make sure that you are copying the entire license key including the *Product* and *Licensee* lines! If you are not sure what text to copy, just copy and paste the whole e-mail.



After you have entered your license information, you will need to restart the plug-in host, so make sure you save your settings if needed. From now on, you will be able to use FabFilter Pro-C 2 for an unlimited period of time with full support via e-mail.

### Tips

- After your purchase, you can always retrieve your license key again by logging into your [personal FabFilter account](#). Here you can also keep track of all your orders and take advantage of great discounts when buying other FabFilter plug-ins!
- To deauthorize your license key and remove it from the computer, click **Deauthorize** on the Help menu. If you temporarily needed to install your license on another computer, or if you have transferred your license to someone else, this is the way to deinstall your personal license key safely.

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Next: [Support](#)

### See Also

[Purchasing FabFilter Pro-C](#)  
[Support](#)  
[License agreement](#)

## Support


If you need help with problems or questions, and the help file does not provide an answer, please visit the support pages on our web site.

- [Go to FabFilter Support](#) 

From here, you have direct access to the customer support forum, very useful tutorial videos for all FabFilter plug-ins, online and PDF versions of all our help files, and a section with extra downloads (such as presets, controller templates, older plug-in versions).

For sales-related questions and technical support, you can also contact FabFilter directly at [info@fabfilter.com](mailto:info@fabfilter.com).

## Reporting a bug

If you have encountered a bug in FabFilter Pro-C 2, first of all make sure that you are using the latest version of the plug-in, which you can find at [www.fabfilter.com/download](http://www.fabfilter.com/download) . You can easily check the version of FabFilter Pro-C 2 that you are using by clicking Help > About in the plug-in interface. If the bug is still present in the latest version, please send us an e-mail at [info@fabfilter.com](mailto:info@fabfilter.com) and include as much technical information as possible: operation system and version, host software and version, steps to reproduce the bug, etc. Thanks in advance!

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Next: [Upgrading to Pro-C 2](#)

## See Also

[Using FabFilter Pro-C](#)

[Acknowledgements](#)

[About FabFilter](#)

## Upgrading to Pro-C 2

Upgrading from Pro-C version 1 to the new Pro-C 2 is safe and easy: installing Pro-C 2 will **not** replace or delete the previous Pro-C 1 plug-in. Both versions will co-exist and can both be used at the same time. This ensures that you can open old songs that use Pro-C 1 without problems!

### Pro-C 1 presets

Presets created with Pro-C 1 can be loaded in Pro-C 2. If you upgraded from Pro-C 1 to the new version, your original Pro-C 1 presets will be accessible via the **V1 Preset Folder** item in the preset menu. See also [Loading presets](#).

Note: Because we've implemented quite some changes and improvements in Pro-C 2, it's possible that a Pro-C 1 preset loaded into Pro-C 2 sounds different!

### Replacing a Pro-C 1 instance by Pro-C 2

If you are working on a song and want to replace a Pro-C 1 instance with the new Pro-C 2, we advise you to do the following:

- First, save the current setting of the Pro-C 1 instance as a FabFilter preset in the Pro-C 1 preset folder.
- Then, remove the Pro-C 1 instance and add Pro-C 2 in its place.
- Finally, load the V1 preset that you just created into Pro-C 2 via the V1 Preset Folder submenu in the preset menu.

### Automation

Because the feature set of Pro-C 2 has changed fundamentally, any automation data that has been written by a Pro-C 1 instance **cannot be read correctly** by Pro-C 2.

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Next: [Manual installation](#)

### See Also

[Overview](#)

[Support](#)

## Manual installation

When installing FabFilter Pro-C 2, the installation program will try to copy the plug-in into the appropriate plug-ins folders, and in most cases your host will recognize FabFilter Pro-C 2 automatically. Otherwise, please follow these instructions:

### Windows

On Windows, most hosts have their own VST plug-ins folder. So if you are using Windows and your host does not recognize FabFilter Pro-C 2, you need to locate the proper plug-ins folder for your host first (it is usually shown in the Preferences or similar dialog). Then, copy the file *FabFilter Pro-C 2.dll* from *C:\Program Files\FabFilter\Pro-C 2* (or *C:\Program Files (x86)\FabFilter\Pro-C 2* if you are using a 32-bit host on 64-bit Windows) to the plug-ins folder that you have found and restart the host so it can reload all its plug-ins. For the AAX version of Pro-C 2, copy the *FabFilter Pro-C 2.aaxplugin* folder to the common Pro Tools AAX plug-in folder on your computer; for the RTAS version of Pro-C 2, copy the *FabFilter Pro-C 2.dpm* and *FabFilter Pro-C 2.dpm.rsr* files to the Pro Tools RTAS plug-in folder on your computer.

You can simply uninstall plug-ins or bundles via the Control Panel.

### Mac OS X

On Mac OS X, plug-ins are installed in the standard plug-in folders in the system Library folder. These are the *only* possible correct locations:

- Audio Units: */Library/Audio/Plug-Ins/Components*
- VST/VST3: */Library/Audio/Plug-Ins/VST* and */Library/Audio/Plug-Ins/VST3*
- RTAS: */Library/Application Support/Digidesign/Plug-Ins*
- AAX: */Library/Application Support/Avid/Audio/Plug-Ins*


Note: AU and VST/VST3 plug-ins may be placed in the user's Library folders under *~/Library/Audio/Plug-Ins* as well.

To uninstall the plug-ins from your Mac, you can just delete the specific FabFilter plug-in files at the above locations. Finally, if you really want to delete all data written by our plug-ins, you can remove the following folders/files from your user *~/Library* as well:

- *~/Library/Audio/Presets/FabFilter/FabFilter Pro-C 2*
- *~/Library/Application Support/FabFilter/Pro-C 2*
- *~/Library/Preferences/com.fabfilter.Pro-C.2.plist*

**Note:** Since OS X 10.7 (Lion), the system and user Library folders are marked as hidden by default. To make them visible again in Finder, open Terminal (found in */Applications/Utilities*) and enter the following commands:

```
chflags nohidden /Library
chflags nohidden ~/Library
```

If you still have problems, contact [FabFilter Support](#) .

---

Next: [VST Plug-in versions](#)

### See Also

[Quick start](#)

[Support](#)

## VST plug-in versions

FabFilter Pro-C 2 is available in both VST 2 and VST 3 formats. They can be installed and used both at the same time. The VST 3 format offers easy side-chaining (if the plug-in supports that of course) and is more CPU-friendly in some cases, but it can only be used by hosts that support it, for example recent versions of Cubase, Studio One or FL Studio. The VST 2 format is compatible with a larger variety of hosts.

### VST 2

For the VST 2 format, there are two versions of the FabFilter Pro-C 2 plug-in, a mono and a stereo one:

- *FabFilter Pro-C 2*: Stereo version of the plug-in
- *FabFilter Pro-C 2 (Mono)*: Mono version of the plug-in

Note: The VST 3 version of the plug-in automatically adapts itself to both mono and stereo tracks.

---

Next: [External side chaining](#)

### See Also

[Quick start](#)

[Manual installation](#)

## External side chaining

FabFilter Pro-C 2 offers the possibility of feeding an external signal to its side chain, so that you can make it trigger on a different signal than the audio it is actually processing. Feeding a signal to a plug-in's side-chain inputs works slightly different in various hosts. This topic describes the procedure for some of the most popular hosts around: [Cubase](#), [Logic Pro](#), [Ableton Live](#) and [Pro Tools](#).

To explain how it works, we use a scenario with two tracks. The first one contains the audio that we want to process with Pro-C 2, which we'll call the *main track* from now. The second track contains the audio that we want to route to Pro-C 2's external side-chain input and use as trigger signal. We'll call this track the *side chain track*.

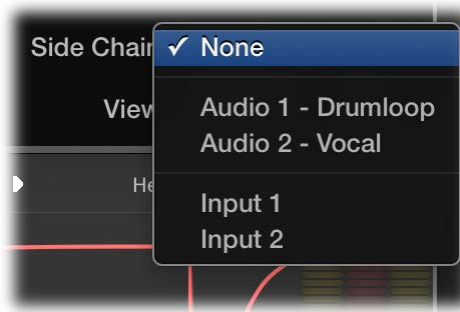
After setting up everything according to the instructions below for your host, you can check whether everything is routed correctly. Play the audio and enable FabFilter Pro-C 2's Audition button to listen to the side-chain signal. While auditioning, the real-time display and metering show the side-chain level, so you can easily set a correct trigger threshold. Afterwards, disable the Audition mode again. Now, you'll hear that Pro-C 2 on the main track will react to the sound of the side-chain track. Of course, you can fine-tune the plug-ins settings to customize the effect.

### Cubase

- Open Cubase and create a new empty project.
- Add two audio tracks that we'll use as main track and side chain track.
- Add audio files on both the main track and the side chain track. You can simply drag audio files from a Finder/Explorer window onto a track.
- Open the Mixer. In the main track, click on an empty insert slot and select the VST 3 version of FabFilter Pro-C 2 in the Dynamics menu (note the VST 3 icon which looks like ///).
- Open FabFilter Pro-C 2's interface, enable [Side chain expert mode](#) and set Side Chain to *Ext*.
- In the plug-in header, click on the Activate Side-Chain button (right of the R/W buttons) to enable the external side chain in Cubase.
- At the top of the Mixer, set the output for the side chain track to the side-chain input of FabFilter Pro-C 2.

### Logic Pro

- Open Logic Pro and create a new empty project via File > New...
- Add two audio tracks (via Track > New...) that we'll use as main track and side chain track.
- Add audio files on both the main track and the side chain track. You can simply drag audio files from a Finder/Explorer window onto a track.
- Select the main track and add Pro-C 2 in the first Insert effect slot.
- Open FabFilter Pro-C 2's interface, enable [Side chain expert mode](#) and set Side Chain to *Ext*.
- In the right top corner of the plug-in interface header, in the 'Side Chain' menu, choose the side chain track. Now, the signal from the side chain track is sent to FabFilter Pro-C 2's external side-chain input.



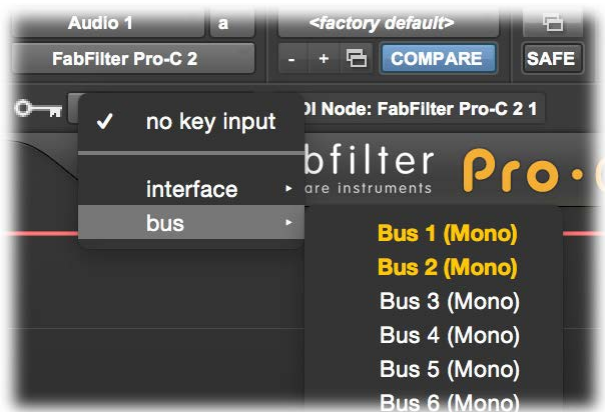
### Ableton Live

- Open Ableton Live and start with an empty arrangement. We'll use Track 1 as the side chain track and Track 2 as the main track.
- From the folder menu's on at the left top of Ableton Live's interface, drag different audio clips to the first empty slots of Track 1 and Track 2.
- From the VST (or Audio Units) plug-in menu, also at the left top of Ableton Live's interface, drag FabFilter Pro-C 2 onto Track 2, the main track.
- Open FabFilter Pro-C 2's interface, enable [Side chain expert mode](#) and set Side Chain to *Ext*.
- In Track 1 (the side chain track) in the 'Audio To' menu select 'Track 2' instead of the default 'Master'. Now, an extra menu appears right below: choose 'FF Pro-C 2 3/4' instead of the default 'Track In' to route the track's signal to FabFilter Pro-C 2's external side chain inputs.
- **Note:** In the scenario above, you won't hear Track 1 (the side-chain signal) anymore, since its audio is only routed to \$PluginName's side-chain inputs. To avoid this, use one additional track (e.g. Track 3), choose 'Track 1' from its 'Audio From' dropdown menu, and in the 'Audio To' menu select 'Track 2' instead of the default 'Master'. Now, from the extra menu below choose 'FF \$PluginName 3/4'. Of course, you can now leave Track 1's 'Audio To' setting to the original 'Master' so you will still hear the signal.



## Pro Tools

- Open Pro Tools and start a new empty session.
- Create two audio tracks that we'll use as main track and side chain track. Add audio files to both track.
- Open the Mix window to display the tracks with their Insert slots and Sends slots.
- In the first 'Sends' slot of the side chain track, choose 'Bus 1'. The track view for Bus 1 will open: set its level slider to 0.0 dB so the bus actually produces audio!
- In the first 'Inserts' slot of the main track, choose Dynamics > FabFilter Pro-C 2.
- Open FabFilter Pro-C 2's interface, enable [Side chain expert mode](#) and set Side Chain to *Ext.*
- Now, in the 'Key Input' menu of the plug-in interface (just above the FabFilter logo), choose bus > Bus 1 instead of the default 'no key input'. Now, the audio from the side chain track is routed to Pro-C 2's external side chain input via Bus 1.



Next: [License agreement](#)

## See Also

[Quick start](#)  
[Using FabFilter Pro-C 2](#)  
[Manual installation](#)



# FabFilter Software License Agreement

## 1. Disclaimer

FABFILTER, FREDERIK SLIJKERMAN AND FLORIS KLINKERT, AUTHORS OF THIS FABFILTER PRODUCT, SPECIFICALLY DISCLAIM ALL WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL FABFILTER, FREDERIK SLIJKERMAN AND FLORIS KLINKERT, BE LIABLE FOR ANY DAMAGE A FABFILTER PRODUCT MAY CAUSE, INCLUDING BUT NOT LIMITED TO SPECIAL, INCIDENTAL, CONSEQUENTIAL OR OTHER DAMAGES.

## 2. Terms of Use

You may use an evaluation copy of this FabFilter product for an period of up to 30 days. Once the evaluation period has ended, you must either purchase your copy, or remove it from your computer. If you have purchased your copy of this FabFilter product, you may continue to use your evaluation copy beyond the end of the 30-day evaluation period until your license key arrives.

We encourage you to distribute the evaluation copy and give copies to friends, as long as there is no payment involved.

You may not reverse engineer, reverse compile, or disassemble any of the files in the distribution.

You are not allowed to distribute or copy the full version of any FabFilter product. The license key that you receive when purchasing it is personal and confidential and may not be disclosed. The full version is a commercial program. It is a violation of international copyright laws to give copies to other people. You may give them the evaluation copy, so they can purchase the program on their own.

## 3. VST plugin technology

VST is a trademark of Steinberg Soft- und Hardware GmbH.

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Next: [Acknowledgements](#)

### See Also

[Purchase FabFilter Pro-C 2](#)

[Support](#)

## Acknowledgements

A huge thanks to our beta testers for their relentless testing of all the different beta versions! An extra thanks to bManic for the many Factory Presets that he contributed.

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Next: [About FabFilter](#)

### See Also

[Purchase FabFilter Pro-C 2](#)

[Support](#)

## About FabFilter

Beautiful sound. Fantastic workflow. These are the foundations of FabFilter. We create powerful audio plug-ins with superb sound quality and innovative interfaces.

### A unique perspective

At FabFilter, we make the best possible tools for music production and audio processing. To achieve this, we continually rethink and challenge industry standards: we've never been afraid of reinventing the wheel. Considering every little detail, we tune our algorithms and interfaces until they sound perfect, look amazing and feel great to work with.

### It's the sound that counts

Above everything else, you need superb sound quality. That's why we put a lot of effort into developing unique audio processing algorithms, ranging from our famous resonating filters to transparent high-end EQ and dynamics processing.

### Innovative interfaces, great design

Every FabFilter plug-in has an easy-to-use, well-designed interface aimed at providing unsurpassed workflow. Our plug-ins focus on the task you're performing at that specific moment: they expose the features you need, when you need them. And because of our special attention to design, you'll be delighted every time you open a FabFilter plug-in.

### Don't take our word for it

We always set the highest standard for sound quality, usability and design to make truly great products that raise the bar on what audio software can do. That's why we're very happy with the praise we've received from users and press alike:

"In the decade since the release of its first plug-in, One, FabFilter has made an indelible mark on the music production landscape." — Computer Music magazine

"While many other software developers are busy trying to model hardware, FabFilter is leaving them in the dust by being visionaries and reaching into the future. FabFilter stuff is just on another level." — Jeff Sanders

"FabFilter has an enviable reputation for making easy-to-use, powerful tools." — Music Tech magazine

*FabFilter was founded in 2002 by Frederik Slijkerman and Floris Klinkert, and is based in Amsterdam, The Netherlands.*

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### See Also

[Support](#)

[FabFilter web site](#) 