

AD-DA.ca, FlexFader

Description

FlexFader is a Q-SYS plugin that puts a bank of up to 12 faders in front of a Matrix Mixer. Each fader controls one Matrix Mixer channel (an input, an output, a group or a crosspoint) with its level, +/- buttons, mute and label. When the channels pattern lists more channels than there are faders, the faders scroll through them.

Integrators build tailored mixing interfaces without scripting. They choose the channels and their order with a pattern, limit or hide controls per group of channels, simulate a router where only one channel stays unmuted, and add optional metering.

The plugin is free to use and needs no license key.

The Matrix Mixer to control must have **Script Access** enabled, otherwise it is not listed in [Matrix Mixer Component](#).

Key Features

- **Free to use** — No license key required.
- **Configurable fader count** — 1 to 12 faders per plugin.
- **Pattern-based channels** — Inputs, outputs, groups and crosspoints, in any order, from a single text pattern.
- **Bank navigation** — Scroll by one channel or by a full set of faders, with or without wrap-around.
- **Per-group customization** — Level range, disabled or hidden controls and fixed labels for chosen channels.
- **Router simulator** — Groups of channels where only one channel stays unmuted at a time.
- **Adjustable +/- buttons** — Hold-to-repeat speed and acceleration.
- **Optional metering** — Signal presence and level meters per fader.
- **Read-only and inverted modes** — Read-only level or label, inverted mute button.

Release Notes

2026-10 : 1.3.0.0

New Feature

- Added [Volume Speed](#) and [Acceleration Speed](#) on the Setup page, to set how fast the +/- buttons repeat while held.

Breaking Changes

- Removed the `License` and `License Backup` properties: the plugin is free to use and needs no license key.

Improvement

- Changed the plugin width to 500 px and the header to the AD-DA.ca header artwork.
- Changed the `Matrix Mixer Component` and `Channels Pattern` rows of the Setup page so their labels are no longer cut off.

2026-05 : 1.1.1.0

Bug Fixes

- Fixed a script error when the Router Simulator configuration cannot be decoded.
- Fixed a script error when a Router Simulator channel or its mute is missing from the Matrix Mixer.

2026-03 : 1.1.0.0

New Feature

- Added the Bank Strategy controls on the Setup page.

Bug Fixes

- Minor bug fixes.

2025-12 : 1.0.0.0

New Feature

- Initial release.

Properties

Fader Count

Type: `integer`

Min: `1`

Max: `12`

Default Value: `12`

Description: Number of faders on the Controls page.

Customize Controls

Type: `boolean`

Default Value: `false`

Description: Shows the `Value`, `Label` and `Mute` properties.

Value

Type: `enum`

Choices: `Read`, `Read/Write`

Default Value: `Read/Write`

Description: With `Read`, the level of each fader (`Ch<X>Value`) is read-only. Only shown when `Customize Controls` is enabled.

Label

Type: `enum`

Choices: `Read`, `Read/Write`

Default Value: `Read/Write`

Description: With `Read`, the label of each fader (`Ch<X>Label`) is read-only. Only shown when `Customize Controls` is enabled.

Mute

Type: `enum`

Choices: `Normal`, `Inverted`

Default Value: `Normal`

Description: `Normal` shows a red **Mute** button that is on when the channel is muted. `Inverted` shows a green **On** button that is on when the channel is not muted. Only shown when `Customize Controls` is enabled.

Metering

Type: `boolean`

Default Value: `false`

Description: Adds the signal and meter indicators of each fader, the audio input pins that feed them and the Metering section of the Setup page.

► Audio pins

Mono Input

Type: `integer`

Min: `0`

Max: `512`

Default Value: `12`

Description: Number of mono inputs of the Matrix Mixer. Input meters are pre-fader. Only shown when `Metering` is enabled.

Stereo Input

Type: integer

Min: 0

Max: 252

Default Value: 0

Description: Number of stereo inputs of the Matrix Mixer. Only shown when **Metering** is enabled.

Mono Output

Type: integer

Min: 0

Max: 512

Default Value: 0

Description: Number of mono outputs of the Matrix Mixer. Output meters are post-fader. Only shown when **Metering** is enabled.

Stereo Output

Type: integer

Min: 0

Max: 252

Default Value: 0

Description: Number of stereo outputs of the Matrix Mixer. Only shown when **Metering** is enabled.

Dev

Type: string

Default Value: (empty)

Description: Reserved for development. Leave empty.

Controls

In the names below, **<X>** is the fader number, from 1 to **Fader Count**.

Status

Controls name: Status

Type: Indicator-Status

Pin Style: Output

Pin Name: Status

Description: Displays the plugin's operational status.

Connected

Not connected to Mixer

Duplicate channel: i3

`Not connected to Mixer` means no Matrix Mixer is selected, or the selected one cannot be found. Any other fault describes an error in `Channels Pattern`, such as `Empty pattern`.

Version 1.3.0.0

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Not connected to Mixer

Component

Matrix Mixer Component

<None>

Channels Pattern

Customize

Group Name

Channels Pattern

Custom Range

Min.

0

Max.

100

Disable Controls

Vol +

Gain

Vol -

Mute

Label

Hide Controls

Vol +

Gain

Vol -

Mute

Label

Add

Delete

Custom Label

Router Simulator

Group Name

Channels Pattern

Add

Delete

Simulates routing by allowing just one channel to remain active at a time.
A channel can only be part of a single group.

Bank Strategy

Continuous Scrolling

Scroll by Fader Count

Volume

Volume Speed

0

Acceleration Speed

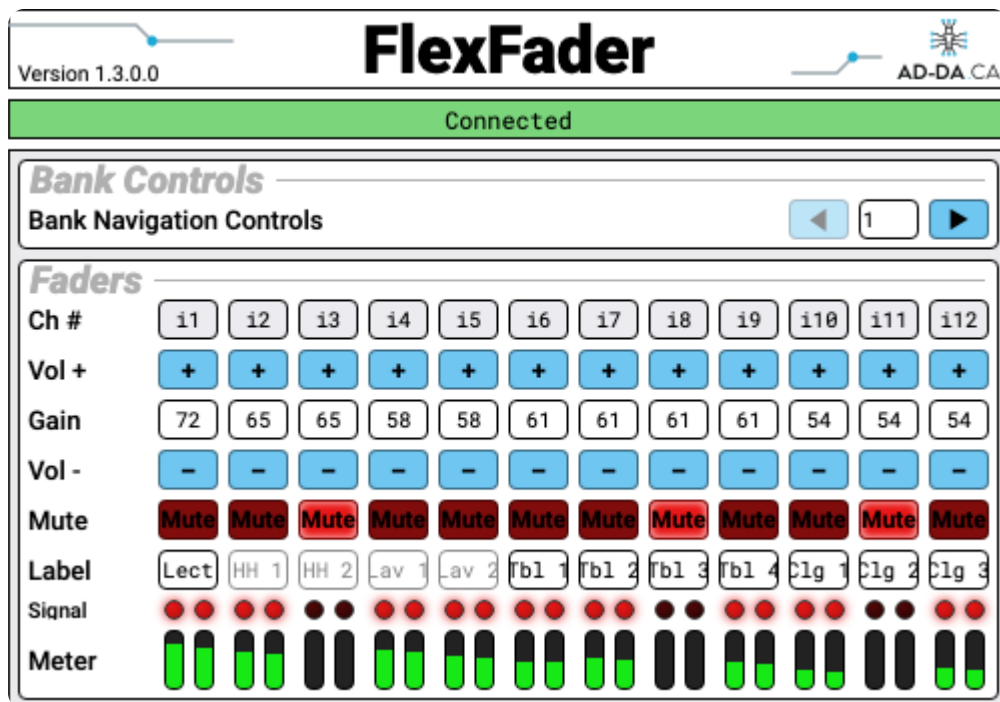
0

Metering

Hide right meter for mono channels

Hide

Controls Page



Bank Controls

Bank Previous

Controls name: `BankPrevious`

Type: `Button-Trigger`

Pin Style: `Input` / `Output`

Pin Name: `Controls-Bank-Previous`

Description: Moves to the previous bank of channels. Disabled on the first bank unless `Continuous Scrolling` is on.

Bank Index

Controls name: `BankIndex`

Type: `Text-Combo Box`

Pin Style: `Input` / `Output`

Pin Name: `Controls-Bank-Index`

Description: Displays and selects the current bank. Disabled when all channels fit on the faders.

Bank Next

Controls name: `BankNext`

Type: `Button-Trigger`

Pin Style: `Input` / `Output`

Pin Name: `Controls-Bank-Next`

Description: Moves to the next bank of channels. Disabled on the last bank unless `Continuous Scrolling` is on.

Faders

A fader with no channel to show in the current bank is disabled and cleared.

Channel Index

Controls name: Ch<X>Index

Type: Indicator-Text

Pin Style: Input / Output

Pin Name: Controls~Faders~<X>~Channel Index

Description: Matrix Mixer channel shown on the fader, for example i3, o5 or i2o7.

Volume Plus

Controls name: Ch<X>Plus

Type: Button-Momentary

Pin Style: Input / Output

Pin Name: Controls~Faders~<X>~Volume Plus

Description: Raises the level. While held, it repeats at the rate set by Volume Speed and Acceleration Speed.

Value

Controls name: Ch<X>Value

Type: Knob-Integer

Pin Style: Input / Output

Pin Name: Controls~Faders~<X>~Value

Description: Level of the channel, from 0 to 100 %. Limited to the custom range when a Customize group applies to the channel.

Volume Minus

Controls name: Ch<X>Minus

Type: Button-Momentary

Pin Style: Input / Output

Pin Name: Controls~Faders~<X>~Volume Minus

Description: Lowers the level. While held, it repeats at the rate set by Volume Speed and Acceleration Speed.

Mute

Controls name: Ch<X>Mute

Type: Button-Toggle

Pin Style: Input / Output

Pin Name: Controls~Faders~<X>~Mute

Description: Mutes or unmutes the channel, inverted when the Mute property is Inverted. Hidden when the channel has no mute.

Label

Controls name: Ch<X>Label

Type: Text-Text Edit

Pin Style: Input / Output

Pin Name: Controls~Faders~<X>~Label

Description: Label of the channel in the Matrix Mixer. For a crosspoint, shows the label of its input and cannot be edited. Hidden when the channel has no label.

Signal Left / Signal Right

Controls name: Ch<X>SignalLeft / Ch<X>SignalRight

Type: Indicator-LED

Pin Style: Output

Pin Name: Controls~Faders~<X>~Signal Left / Controls~Faders~<X>~Signal Right

Description: Signal presence on the left / right channel. Only present when **Metering** is enabled.

Meter Left / Meter Right

Controls name: Ch<X>MeterLeft / Ch<X>MeterRight

Type: Indicator-Meter

Pin Style: Output

Pin Name: Controls~Faders~<X>~Meter Left / Controls~Faders~<X>~Meter Right

Description: Signal level on the left / right channel. Only present when **Metering** is enabled, and only shown for input and crosspoint channels.

Setup Page

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Connected

Component

Matrix Mixer Component Boardroom Mixer

Channels Pattern i1-i14, i17-i18, o1-o2

Customize

Program Audio
Wireless Mics

Group Name Wireless Mics
Channels Pattern i2-i5
Custom Range Min. 0 Max. 80
Disable Controls Vol + Gain Vol - Mute Label
Hide Controls Vol + Gain Vol - Mute Label
Add Delete Custom Label

Router Simulator

Handheld Mics

Group Name Handheld Mics
Channels Pattern i2-i3
Add Delete

Simulates routing by allowing just one channel to remain active at a time. A channel can only be part of a single group.

Bank Strategy

Continuous Scrolling

Scroll by Fader Count

Volume

Volume Speed 1

Acceleration Speed 0

Metering

Hide right meter for mono channels

Component

Matrix Mixer Component

Controls name: Component

Type: Text-Combo Box

Pin Style: Input / Output

Pin Name: Setup~Component

Description: Matrix Mixer to control, chosen among the mixers of the design that have Script Access enabled.

Channels Pattern

Controls name: Pattern

Type: Text-Text Edit

Pin Style: /

Pin Name:

Description: Matrix Mixer channels shown on the faders, in order, for example .
The syntax is on the Help page.

Customize

Groups of channels with their own settings. Select a group in the list to edit it. These controls have no pins.

Custom List

Controls name:

Type:

Pin Style:

Description: Customize groups. Selecting one shows its settings.

Add

Controls name:

Type:

Pin Style:

Description: Creates a Customize group.

Delete

Controls name:

Type:

Pin Style:

Description: Deletes the selected Customize group.

Group Name

Controls name:

Type:

Pin Style:

Description: Name of the group in the list.

Channels Pattern

Controls name:

Type:

Pin Style:

Description: Channels the group applies to, with the same syntax as the main pattern.

Custom Range

Controls name: Custom_Min / Custom_Max

Type: Knob-Integer

Pin Style: None

Description: Lowest and highest level, from 0 to 100, that the faders of these channels can reach.

Disable Controls

Controls name: Custom_Disable_Plus, Custom_Disable_Value, Custom_Disable_Minus, Custom_Disable_Mute, Custom_Disable_Label

Type: Button-Toggle

Pin Style: None

Description: Disables Vol +, Gain, Vol -, Mute or Label on the faders of these channels.

Hide Controls

Controls name: Custom_Hide_Plus, Custom_Hide_Value, Custom_Hide_Minus, Custom_Hide_Mute, Custom_Hide_Label

Type: Button-Toggle

Pin Style: None

Description: Hides Vol +, Gain, Vol -, Mute or Label on the faders of these channels.

Custom Label

Controls name: Custom_Label_Enable / Custom_Label_Text

Type: Button-Toggle / Text-Text Edit

Pin Style: None

Description: When on, the faders of these channels show the entered text instead of the Matrix Mixer label, and the label cannot be edited.

Router Simulator

Groups of channels where only one channel stays unmuted at a time: unmuting a channel mutes the others of its group. A channel can only be part of a single group. These controls have no pins.

Router List

Controls name: RouterList

Type: Text-List Box

Pin Style: None

Description: Router groups. Selecting one shows its settings.

Add

Controls name: RouterAdd

Type: Button-Trigger

Pin Style: None

Description: Creates a Router group.

Delete

Controls name: RouterDelete

Type: Button-Trigger

Pin Style: None

Description: Deletes the selected Router group.

Group Name

Controls name: Router_Name

Type: Text-Text Edit

Pin Style: None

Description: Name of the group in the list.

Channels Pattern

Controls name: Router_Pattern

Type: Text-Text Edit

Pin Style: None

Description: Channels of the group, with the same syntax as the main pattern.

Bank Strategy

Continuous Scrolling

Controls name: BankContinuousScroll

Type: Button-Toggle

Pin Style: None

Description: When on, Bank Previous and Bank Next stay enabled on the first and last bank.

Scroll by Fader Count

Controls name: BankFaderSizeScroll

Type: Button-Toggle

Pin Style: None

Description: Off, each bank moves by one channel. On, each bank moves by a full set of faders: with 8 faders, bank 2 starts at the 9th channel.

Volume

Volume Speed

Controls name: VolumeSpeed

Type: Knob-Integer

Pin Style: None

Description: Repeat rate of [Volume Plus](#) and [Volume Minus](#) while held, from -5 (slower) to +5 (faster). Default [0](#).

Acceleration Speed

Controls name: [VolumeAcceleration](#)

Type: [Knob-Integer](#)

Pin Style: [None](#)

Description: How quickly the repeat rate increases while [Volume Plus](#) or [Volume Minus](#) is held, from -5 to +5. Default [0](#).

Metering

Only present when [Metering](#) is enabled.

Hide Right Meter for Mono Channels

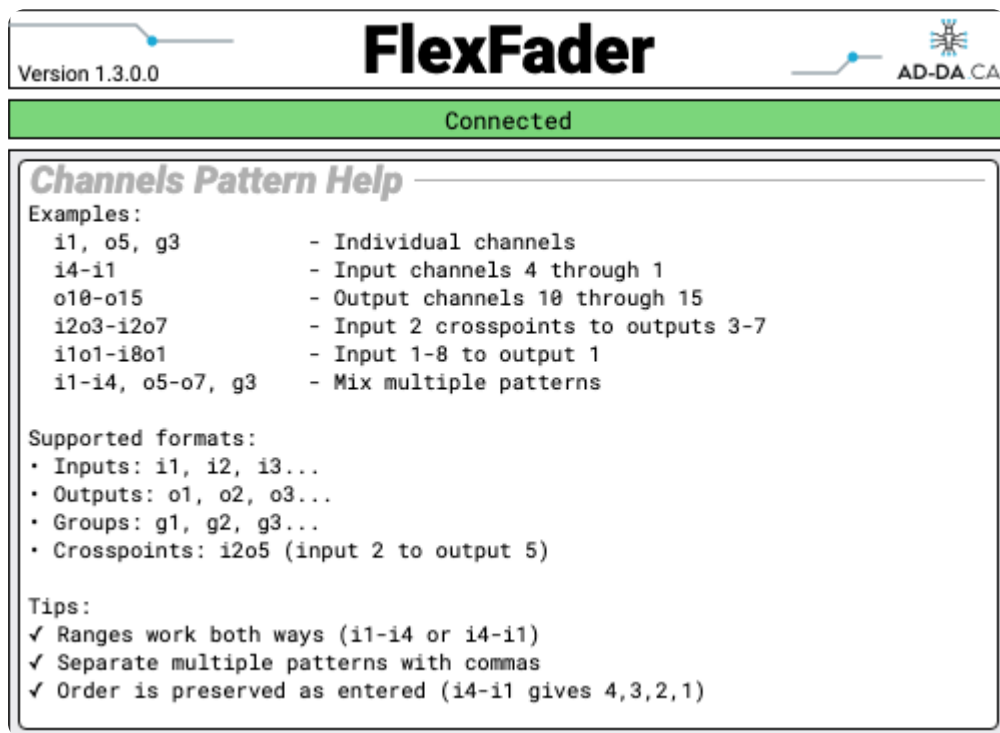
Controls name: [Custom_MonoChannel](#)

Type: [Button-Toggle](#)

Pin Style: [None](#)

Description: Hides [Signal Right](#) and [Meter Right](#) on faders showing a mono channel.

Help Page



The Help page has no controls. It summarizes the syntax of [Channels Pattern](#).

► Channels pattern syntax