ADDAC System

Instruments for Sonic Expression

Est.2009

INTRODUCING

ADDAC815 MIXOLOGY

USER'S GUIDE . REV1

January.2026

ADDAC System

From Portugal with Love!

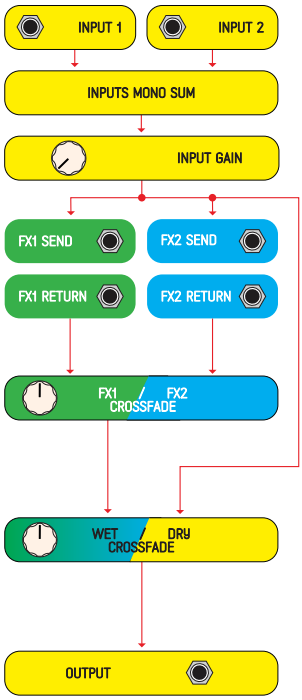
Welcome to:
ADDAC815 MIXOLOGY USER'S GUIDE

Revision.01 January.2026

WELCOME

This module is a dual effect chain router and feedbacker, one can look at it like a 3x3 matrix mixer, pre patched in a way that allows multiple configurations to be achieved while keeping it very compact in a 10Hp module.

This is the basic module signal path, at the start of the module there are two input signals that are mixed to mono and attenuated by the [INPUT GAIN] knob.

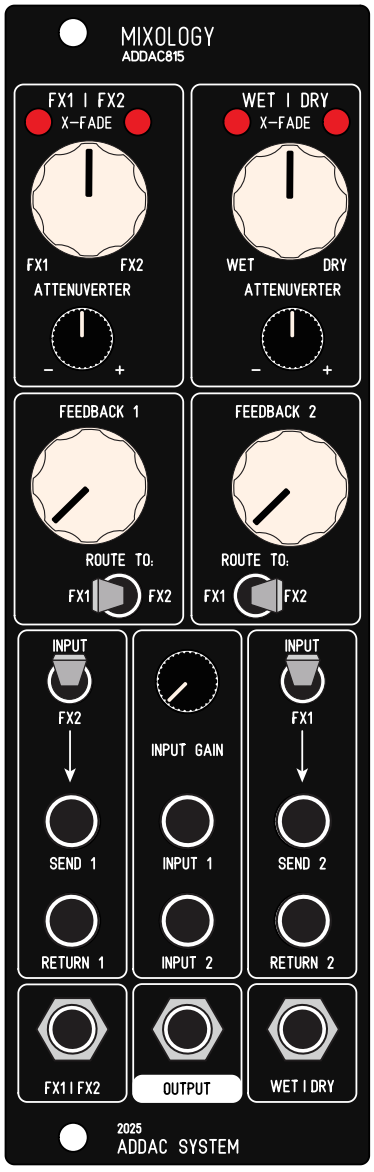


The input signal is then sent into FX1, FX2 and DRY.

The Return signal of both FX can be balanced using the [FX1 | FX2] control knob which also features a CV input with an attenuverter.

The Return Mix and Dry signals can be balanced using the [WET | DRY] control knob which also features a CV input with an attenuverter.

This final signal is then sent to the Output.



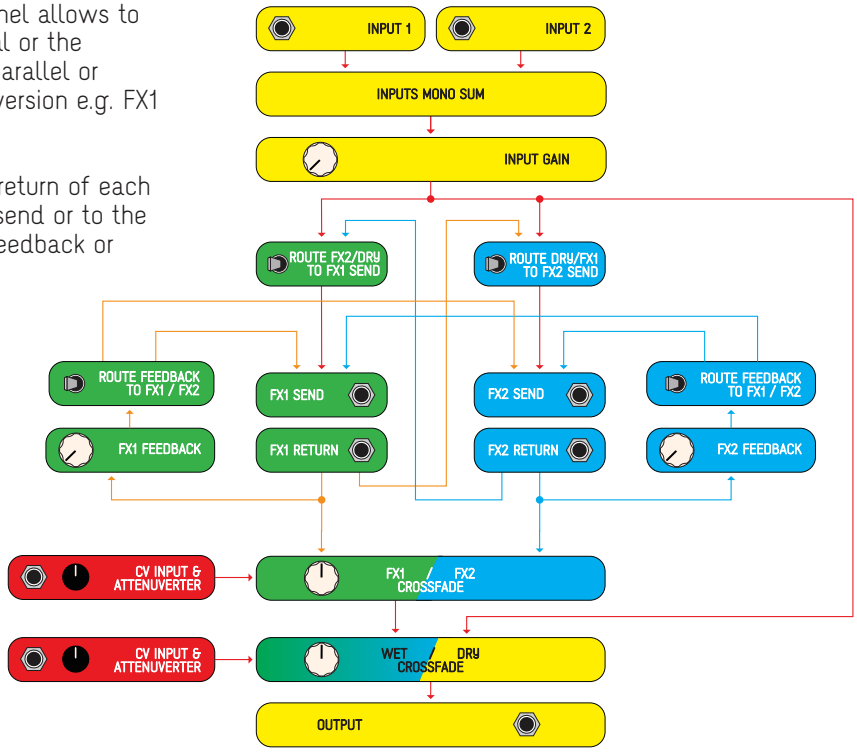
Tech Specs:
10HP
4.5cm deep
70mA +12V
40mA -12V

CONTROLS DESCRIPTION

The signal path is actually slighly more complex than shown in the previous page, each FX channel allows to route its input to either the Dry Input signal or the opposite FX return signal. This allows for parallel or series configuration as well as FX order inversion e.g. FX1 into FX2 or FX2 into FX1.

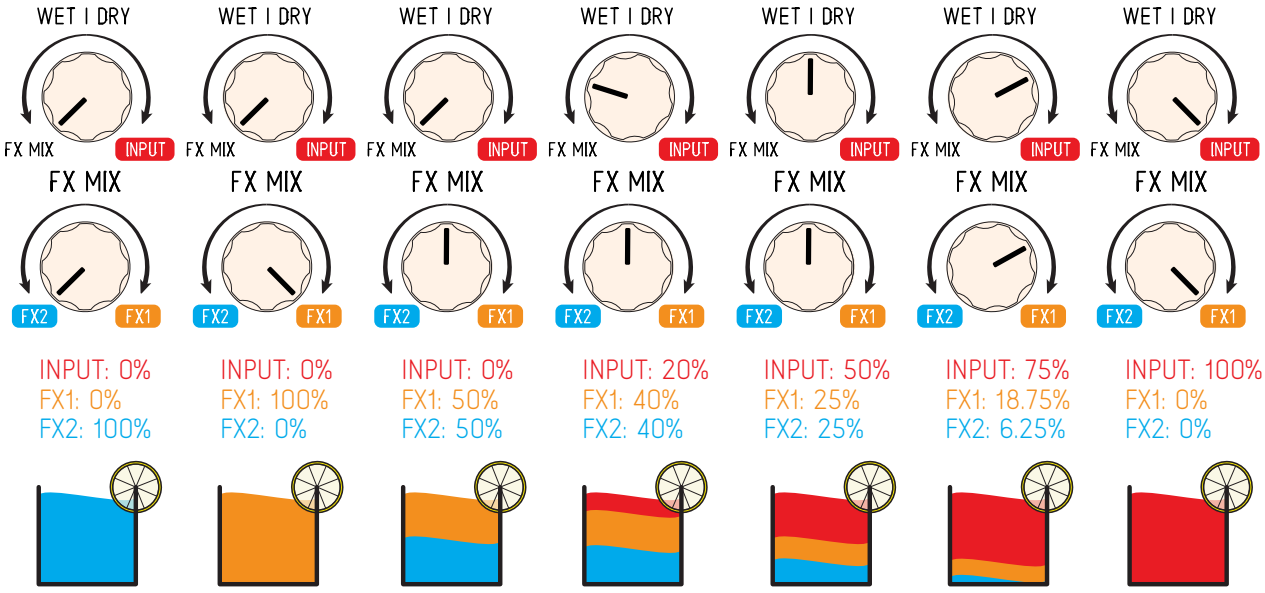
Finally there's two feedback loops i.e. the return of each FX chain can be feedbacked into it's own send or to the opposite FX send, allowing for individual feedback or series feedback loops e.g. FX1 into FX2 and FX2 feedbacked into FX1.

There are two crossover mixes prior to the output:
[FX1 | FX2] crossfades between FX1 and FX2
[WET | DRY] crossfades between the FX1|FX2 input and the Dry signal
Both of these controls have a CV Input and Attenuverters
Monitor leds show the state of both crossovers action

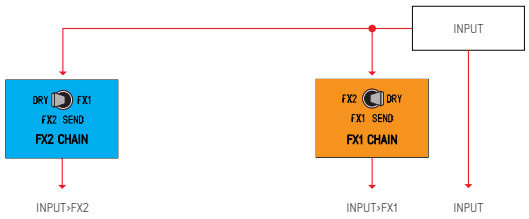


MIXOLOGY DOSEAGES

Here's an example of how both crossfaders influence the output signal.

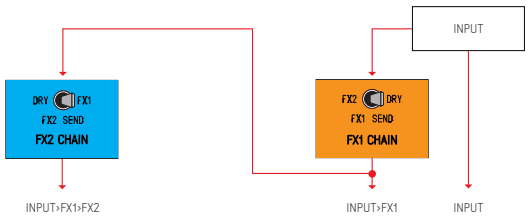


PROCESSING CONFIGURATIONS



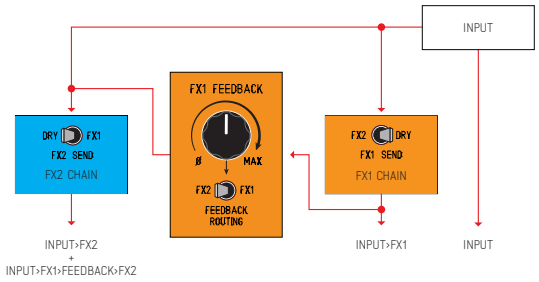
INPUT PARALLEL PROCESSING

Here's the simplest example of how the FX Send switches can be used to configure a Parallel chain where the INPUT goes through both FX1 and FX2 Chains.



INPUT SERIES PROCESSING

Here's an example of how the FX Send switches can be used to configure a SERIES chain where the INPUT goes through FX1 Chain and is then routed into the FX2 Chain (as defined by the [FX2 SEND] switch when set to FX1)



PARALLEL & SERIES (FEEDBACK) PROCESSING

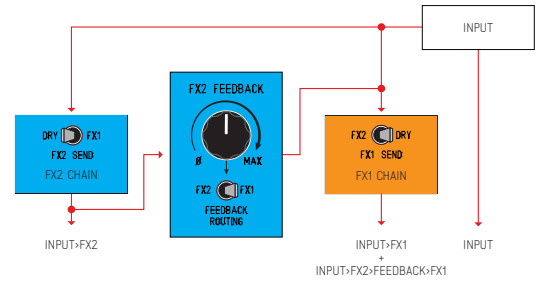
Here's an example of how using the FX Send switches can be used to configure an Input Parallel processing chain where the Input goes through both FX1 and FX2 Chains while, at the same time, the FX1 Feedback is used to sum the FX1 Chain into FX2 Chain.

This results in a Parallel processing of the Input signal through both FX Chains.
However FX2 Chain is processing 2 signals:

1. the Input signal (as defined by the [FX2 SEND] switch when set to DRY)

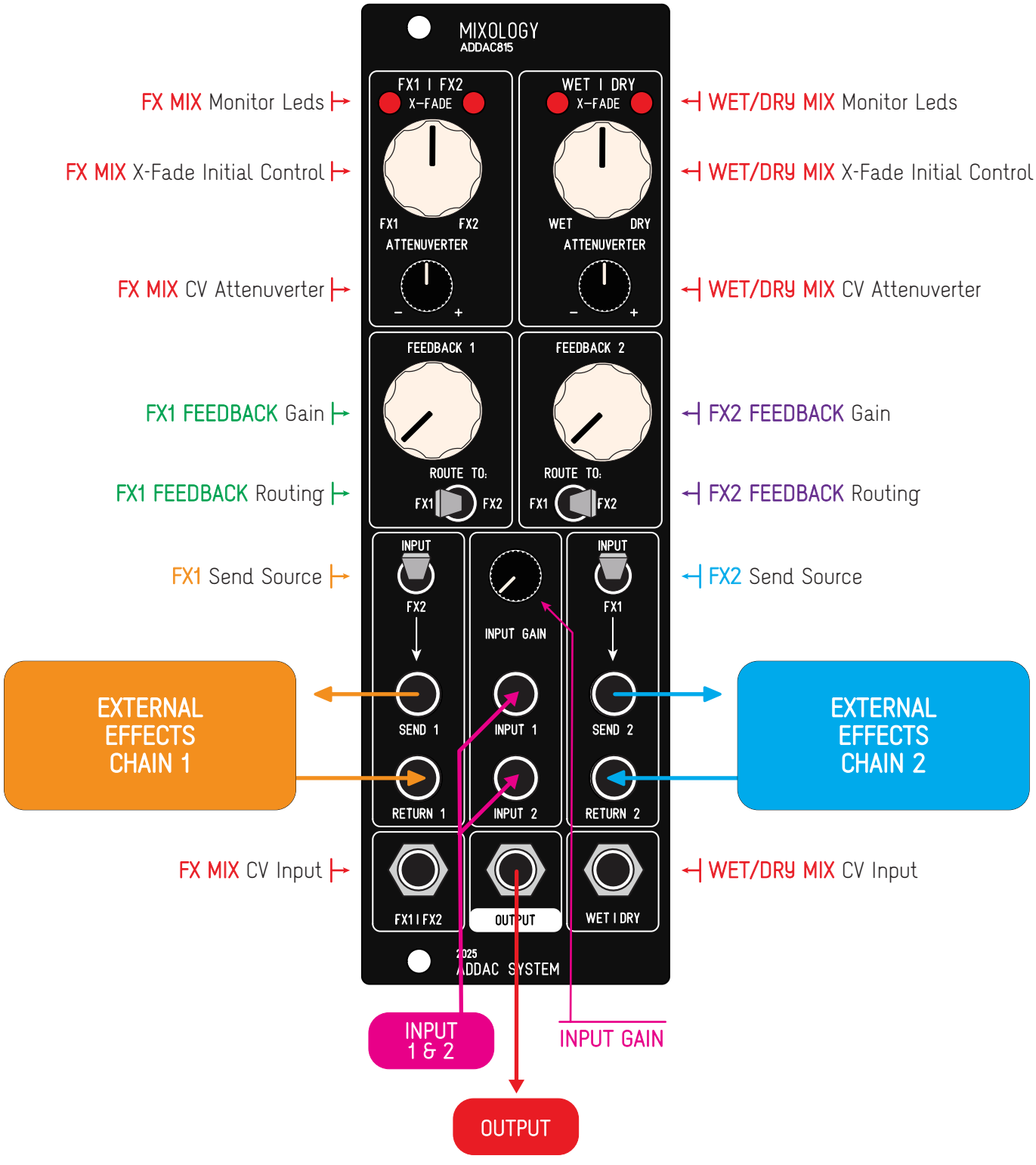
2. the FX1 Chain output as defined by the [FEEDBACK ROUTING] switch when set to FX2 and the [FX1 FEEDBACK] knob which sets the volume sent to the FX2 Chain

The second diagram shows the exact same configuration but with FX1 and FX2 order reversed.

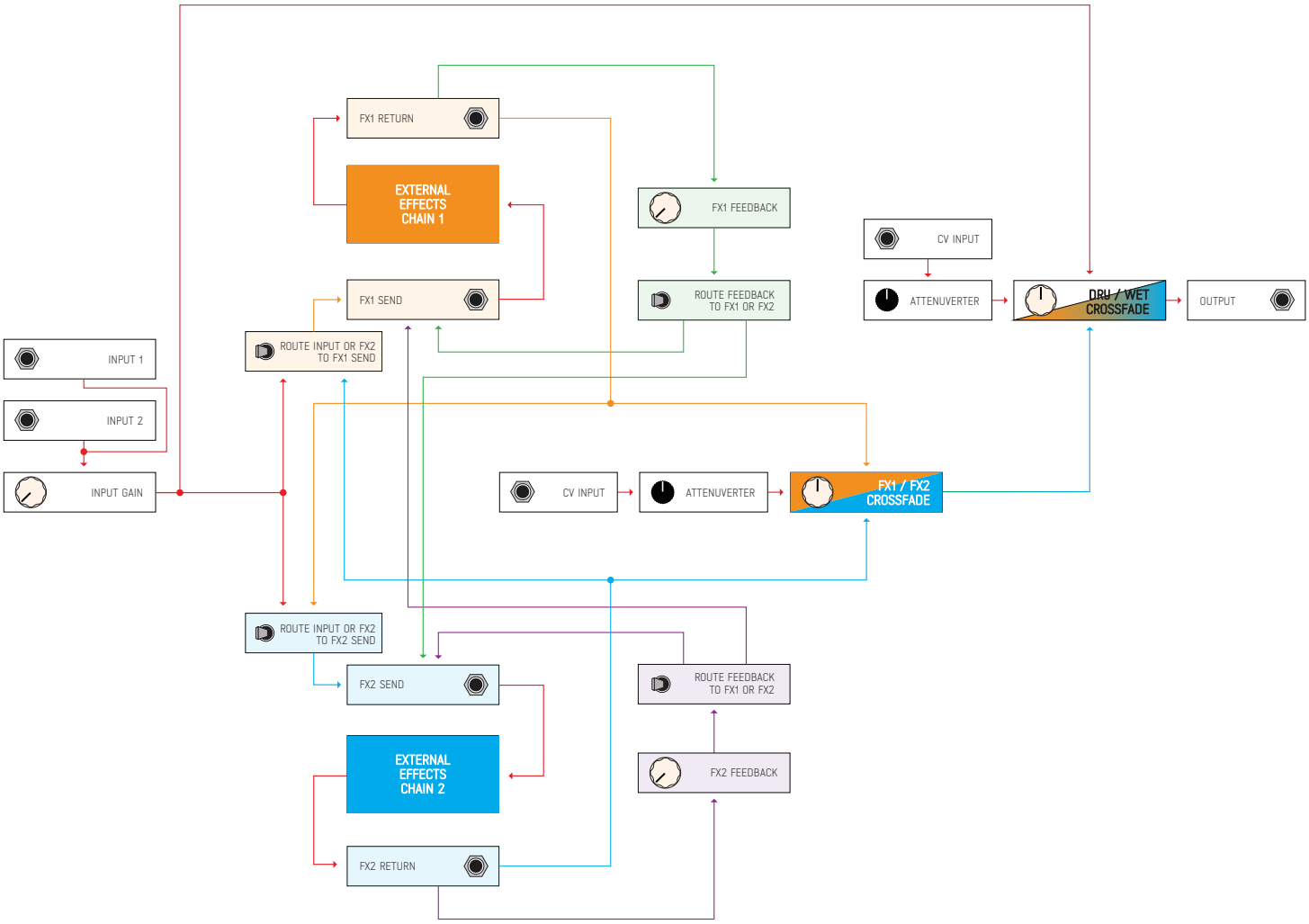


Ultimatelly the end result is a complex combination of the FX1 and FX2 chains configuration together with the [FX1 FX2 MIX] and [WET DRY MIX] knobs.

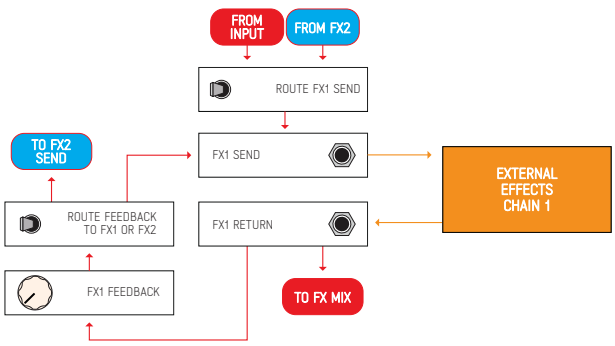
CONTROLS DESCRIPTION



ADDAC815 MIXOLOGY SIGNAL FLOW DIAGRAM



EFFECTS CHAIN SIGNAL FLOW DIAGRAM



For feedback, comments or problems please contact us at:
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