



ADDAC System
Instruments for Sonic Expression

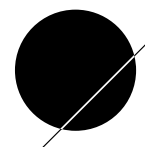
Est.2009

ADDAC System™
10th Year Anniversary : 2009 -> 2019
INSTRUMENTS FOR SONIC EXPRESSION

INTRODUCING ADDAC311 ULTRA FLOOR CONTROL

USER'S GUIDE . REV01

April.2022



**ADDAC
System**

From Portugal with Love!



Welcome to:

ADDAC311 ULTRA FLOOR CONTROL USER'S GUIDE

Revision.01 April.2022

DESCRIPTION

Most musicians use their feet as an extension of their playing, either pushing piano pedals, sustain pedals, guitar pedals...

We find that feet have been underrated while using modulars, in the past we released a series of modules using sustain and expression pedals for triggering or controlling signals to help breaking the ice. While these are small and still usefull for simple uses we wanted to create something more specific this time.

Our new solution features 5 footswitches and 5 inputs for external expression pedals with independent controls for each.

We wanted to save HP rack space and so created an external floor pedal with all the footswitches and controls keeping the module HP to the minimum possible featuring only the 10 outputs and the connector to the external floor pedal.

Features:

8Hp module

External floor pedal

3 meters DB25 connector cable (optional)

5 Footswitches with 0 +5v Gate outputs and state led monitor

5 Expression pedals inputs with -5v +5v CV outputs and 2 state led monitors

Expression Pedals standards, TRS, RTS, TS, what???

There are many expression pedals in the market and although the most common one is the TRS pedal there are 2 other standards: RTS and TS.

All five ADDAC311 inputs expect TRS pedals, if you're looking into buying one choose a TRS pedal.

If you already have other pedals channel 4 features jumpers that can be switched in order to be used with a RTS pedal.

Channel 5 features a jumper that can be switched in order to be used with a TS pedal.

External expression pedals are required for their outputs to work.

External expression pedals are not included.



Tech Specs:
8HP
2.5cm deep
100mA +12V
50mA -12V



ADDAC311 ULTRA FLOOR CONTROL CONTROLS

FOOTSWITCHES CONTROLS:

ACTION INVERSION TOGGLE SWITCH

-  ON TO OFF > PUSHDOWN = GATE OFF
-  OFF TO ON > PUSHDOWN = GATE ON

ACTION MODE SLIDE SWITCH

- G = GATE: turns output On/Off while the footswitch is pressed down
- T = TRIGGER: pulses a Trigger on the output when the pedal is pressed
- L = LATCH: when pressed changes the state of the output

EXTERNAL EXPRESSION PEDAL CONTROLS:

PEDAL ACTION MODE TOGGLE SWITCH

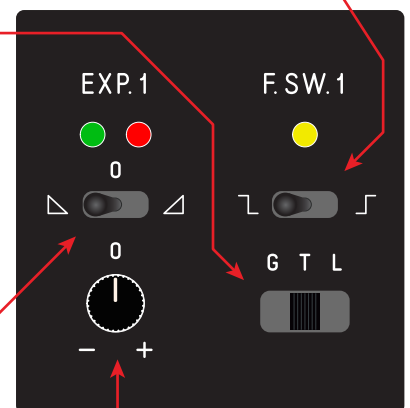
-  TOE TO HEEL: TOE 0v / HEEL +5v
-  MUTE: 0v
-  HEEL TO TOE: HEEL 0v / TOE +5v

ATTENUVERTER

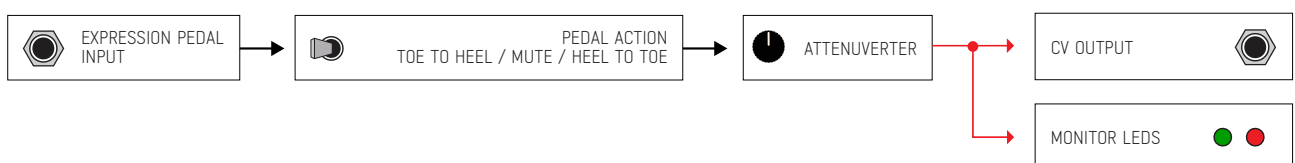
Attenuverter allows to attenuate and invert the incoming 0 to +5v pedal range to:

Positive: 0 to +5v max range

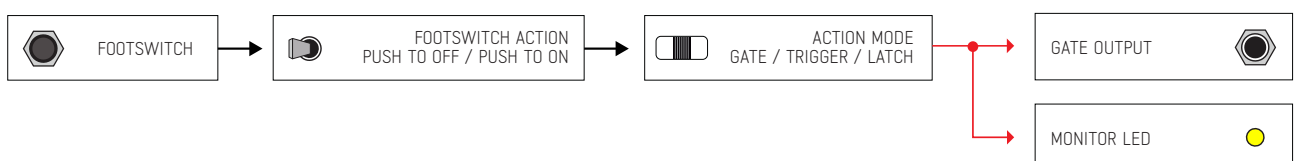
Negative: 0 to -5v max range



EXPRESSION PEDAL SIGNAL FLOW DIAGRAM

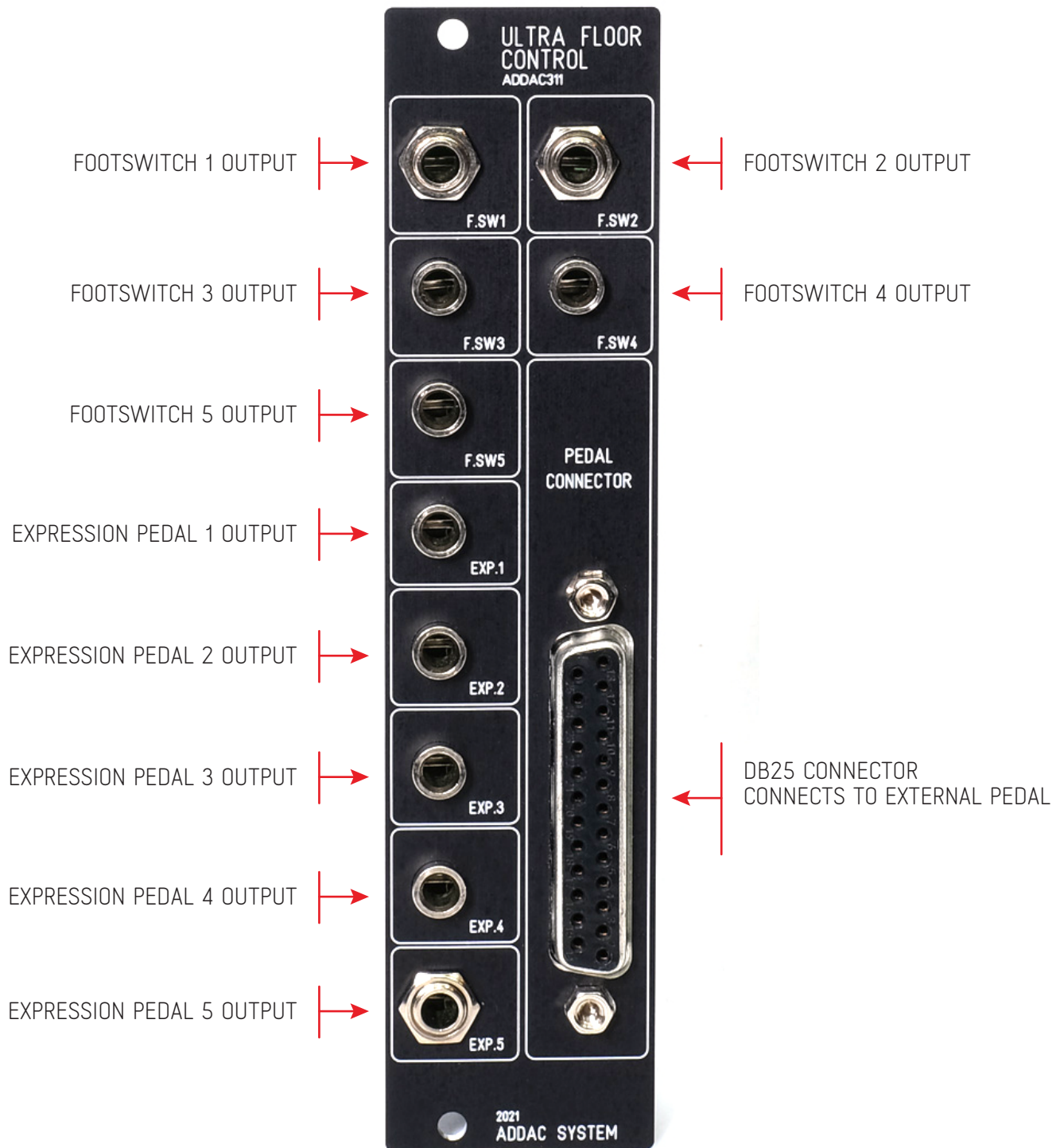


FOOTSWITCH SIGNAL FLOW DIAGRAM



ADDAC311 ULTRA FLOOR CONTROL

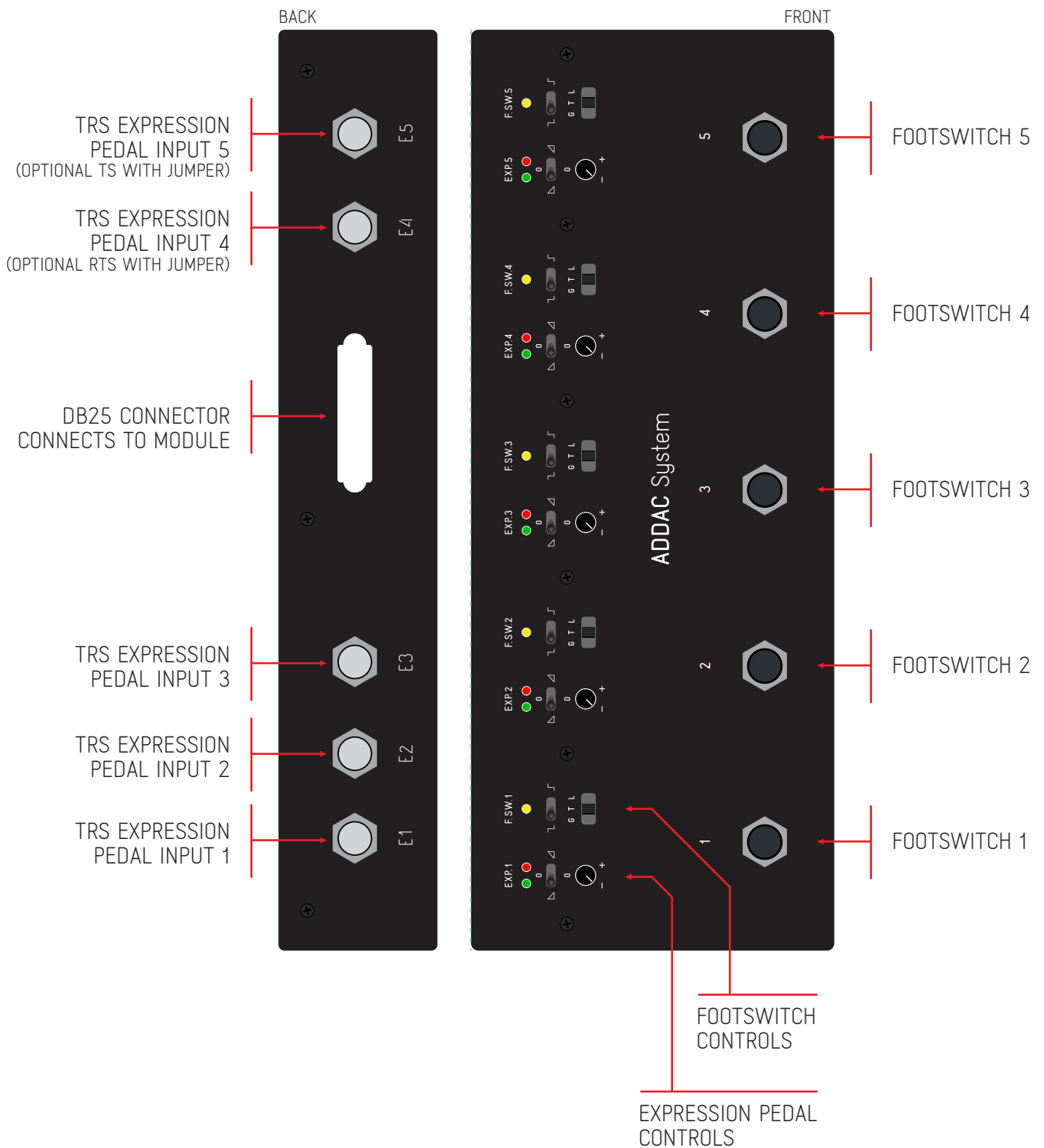
MODULE OVERVIEW



ADDAC311

ULTRA FLOOR CONTROL

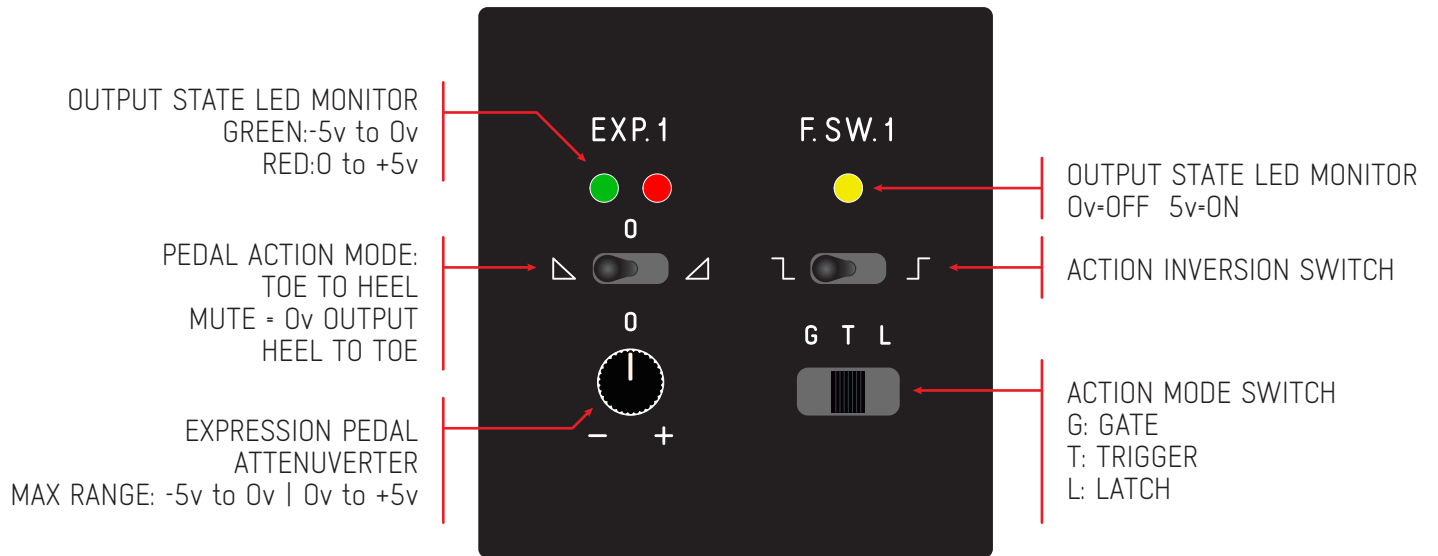
EXTERNAL PEDAL OVERVIEW



ADDAC311

ULTRA FLOOR CONTROL

EXTERNAL PEDAL CONTROLS



For feedback, comments or problems please contact us at:
addac@addacsystem.com

