



## ADDAC System ADDAC311 Ultra Floor Control User Guide

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Instruments for Sonic Expression  
Est.2009  
From Portugal with Love!



**INTRODUCING  
ADDAC311 ULTRA  
FLOOR CONTROL  
USER'S GUIDE . REV01  
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**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 modulares, 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

## 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

0 MUTE: 0v

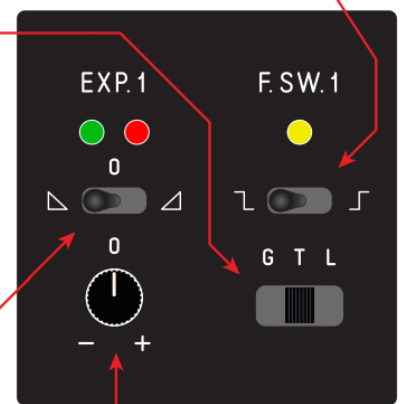
⚡ HEEL TO TOE: HEEL 0v / TOE +5v

ATTENUVERTER

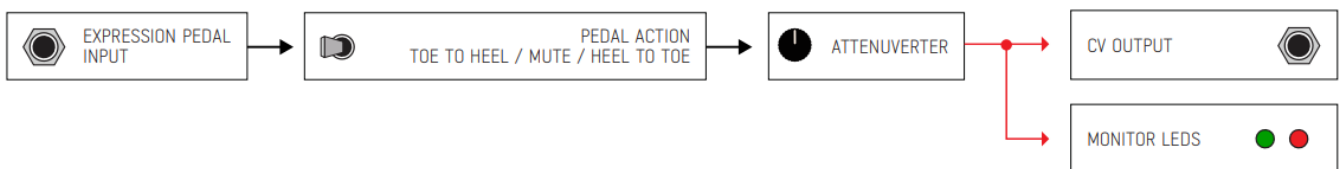
Attenuverter allows to attenuate and invert the incoming 0 to +5v pedal range to:

Positive: 0 to +5v max range

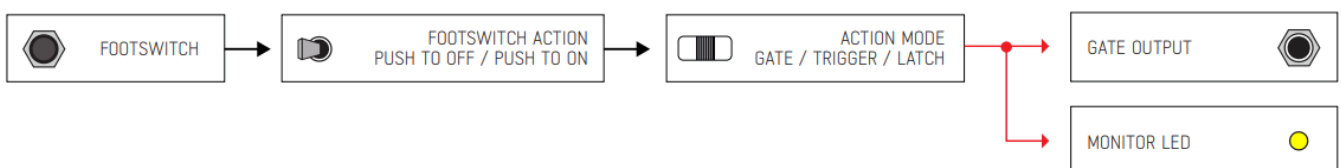
Negative: 0 to -5v max range



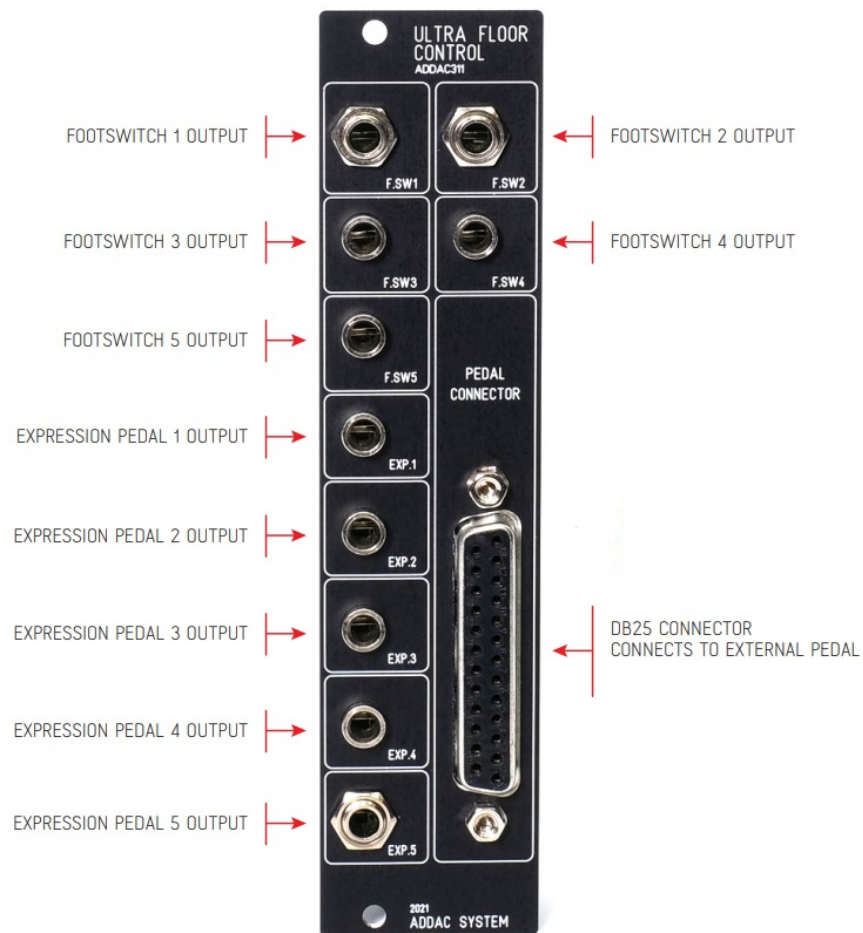
### EXPRESSION PEDAL SIGNAL FLOW DIAGRAM



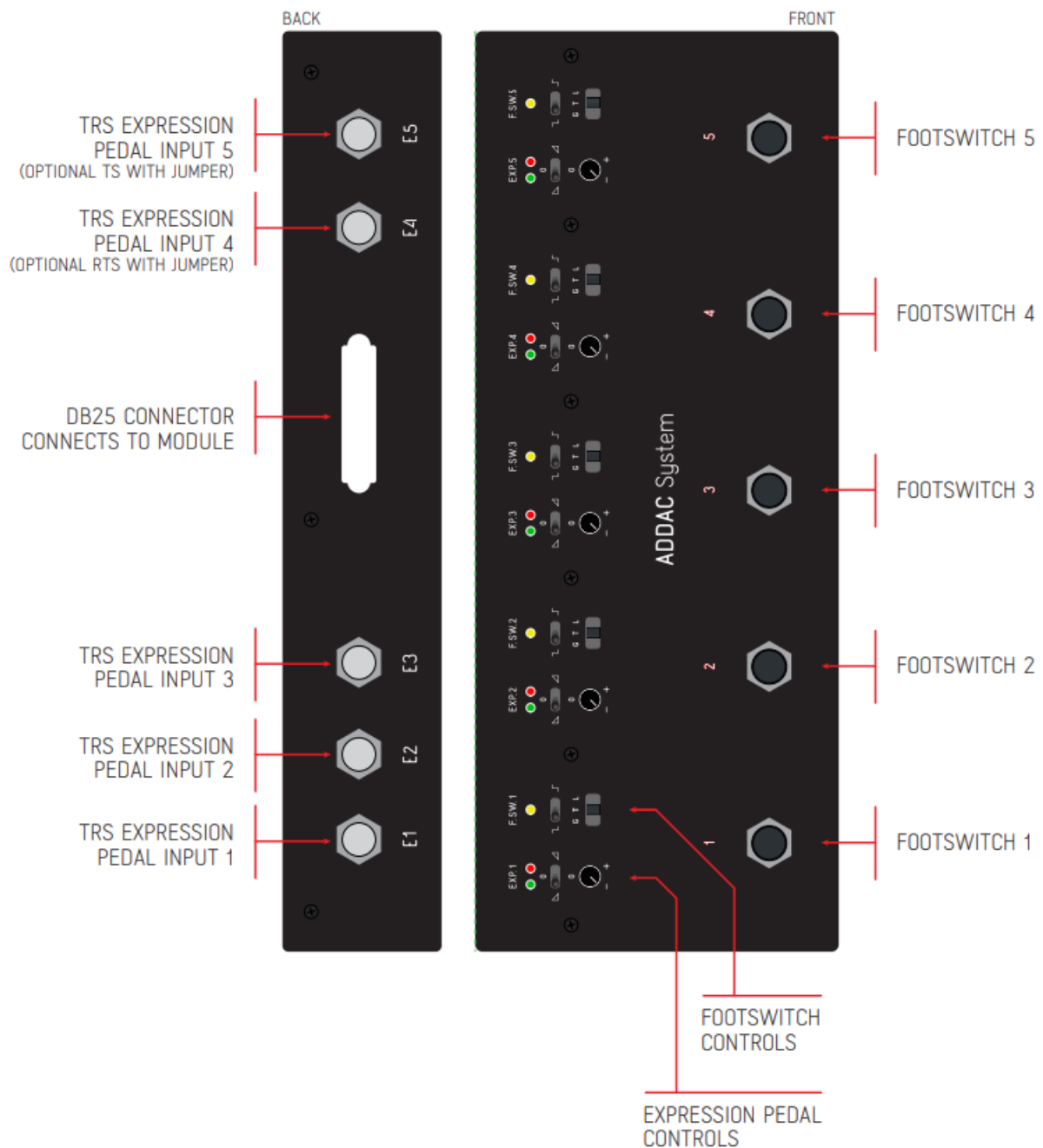
### FOOTSWITCH SIGNAL FLOW DIAGRAM



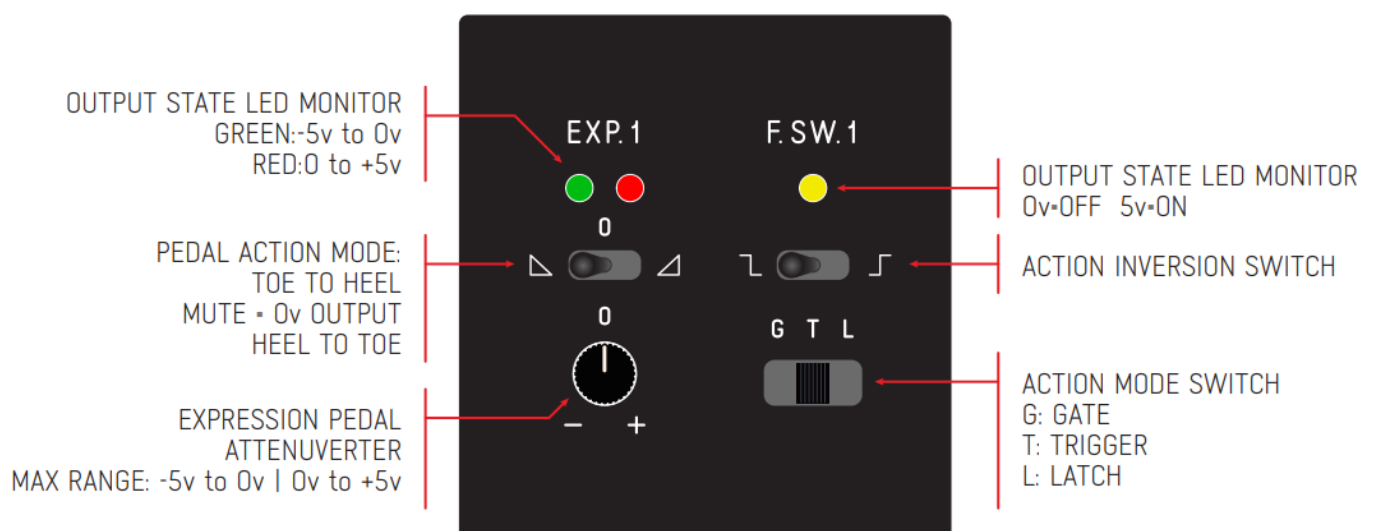
## MODULE OVERVIEW



## EXTERNAL PEDAL OVERVIEW



## EXTERNAL PEDAL CONTROLS



For feedback, comments or problems please contact us at: [addac@addacsystem.com](mailto:addac@addacsystem.com)

## Documents / Resources



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ADDAC311, Ultra Floor Control, Floor Control, Ultra Floor, Control

Manuals+.