

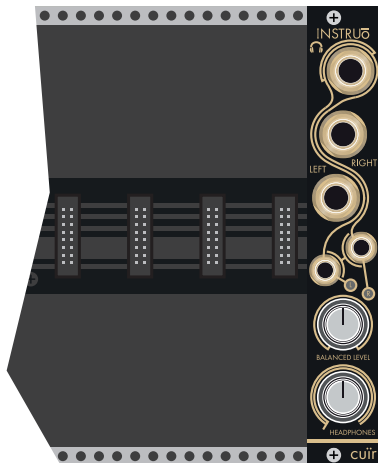
The logo for INSTRUO Specialist Synthesizers is centered at the top. It features a stylized 'I' icon on the left, followed by the word 'INSTRUO' in a large, bold, sans-serif font. To the right of 'INSTRUO' is a vertical bar, followed by the words 'SPECIALIST SYNTHESIZERS' in a smaller, all-caps, sans-serif font. The entire logo is enclosed in a thin yellow rectangular border.

**INSTRUO** | SPECIALIST  
SYNTHESIZERS

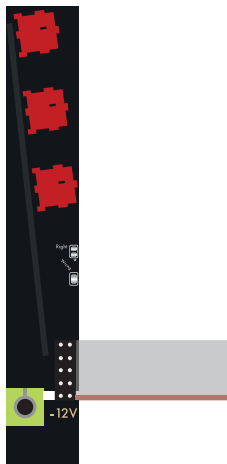
The text 'cuir Output Module' is centered in a white rectangular box at the bottom of the page. The word 'cuir' is in a smaller, lowercase, sans-serif font, and 'Output Module' is in a larger, uppercase, sans-serif font. The background of the page is a dark grey grid of various synthesizer components like knobs, sliders, and buttons, with a central vertical column of five highlighted yellow knobs.

**cuir**  
**Output Module**

# Case Mounting



Front



Back

**Note:** Some Eurorack cases may not have optimal spacing on their right most mounting positions.

Because of this a 1HP blank panel is provided with the cuir in the event that spacing tolerances between module PCB and case frame are of any concern.

# Alternate Faceplate



**Warning!** This is not a simple faceplate replacement job.

The cuir ships with a 4HP faceplate with inverted graphics. This faceplate should simply be considered as a 4HP spacer panel! Retrofitting the panel on the cuir module must only be performed by an experienced technician. Any modification is done at the risk of the owner. A soldering iron is required to reverse the input normalling.

**Note:** All production cuir modules are configured with 1/4" output jacks on the top and level pots on the bottom. Any modification performed to invert the layout will result in standard warranty being void by the owner.



Back



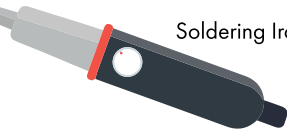
Original



Alternate

Solder Jumpers

Soldering Iron



# Balanced Outputs

The cuir features a stereo pair of balanced differential line level outputs in 1/4" output jack format. A parallel (unbalanced) headphone driver/line output provides a secondary monitoring source via a single stereo 1/4" output jack. A pair of high quality balanced 1/4" cables are included with the cuir. These cables are braided, 150cm long, shielded and feature gold plated TRS contacts.

The cuir features a pair of optimised audio line driver circuits which provide transformer-like floating outputs. The balanced differential outputs supply two parallel conductors carrying a mirrored pair of the source signal.

The mirrored signal is a polarity inversion of the original and allows for extra headroom in addition to the balanced connection's fundamental common-mode noise rejection. This greatly improves signal to noise ratios and can eliminate ground loop issues between the modular system and subsequent stages of the signal path.

