Logic

Logic

AND

A

B

OUT

OR

A

B

OUT

2hp

Description

Logic is a two-channel, boolean gate operator. It provides two unique logic operations: AND and OR. The AND channel is useful for gating existing rhythmic events within a patch. Conversely, The OR channel is well suited for mixing two timing events down to a single output, creating interesting polyrhythms and syncopations from existing gate signals.

- Channel 1 normals to channel 2 if there is no cable present
- AND logic operations
- OR logic operations

Table of Contents

Installation

To install, locate 2 HP of space in your Eurorack case and confirm the positive 12 volts and negative 12 volts sides of the power distribution lines. Plug the connector into the power distribution board of your case, keeping in mind that the red band corresponds to negative 12 volts. In most systems, the negative 12 volt supply line is at the bottom. The power cable should be connected to the Logic with the red band facing the front of the module.
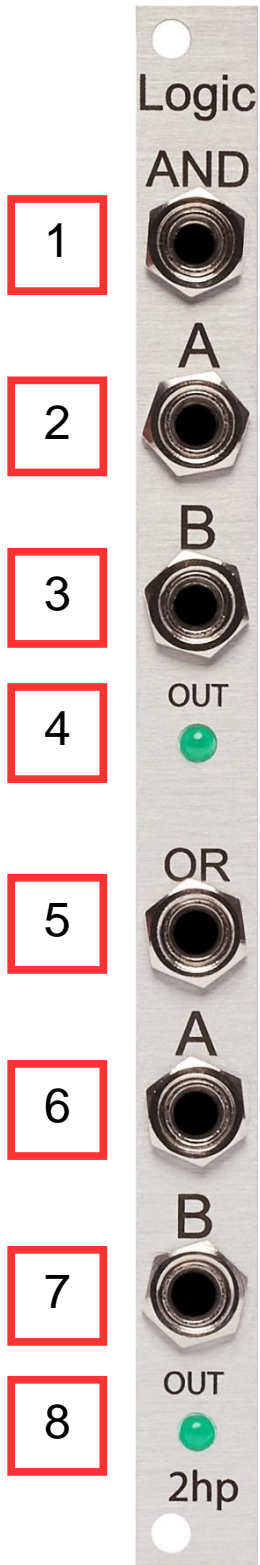
Specifications

Format: 2 HP Eurorack module

Depth: 47mm (Skiff Friendly)

Max Current: +12V = 35mA
                            -12V = 3mA

Logic

AND

1

A

2

B

3

OUT

4

OR

5

A

6

B

7

OUT

8

2hp

1. AND IN A:
Gate/trigger input A for the AND operator

Threshold: 2.5V

2. AND IN B:
Gate/trigger input B for the AND operator

Threshold: 2.5V

3. AND OUT:
AND operation output

If the voltage present at AND IN A is above 2.5V **and** the voltage present at AND IN B is above 2.5V, then 5V will output from AND OUT

Range: 0V – 5V

4. AND LED:
LED that indicates the output voltage present at AND OUT

5. OR IN A:
Gate/trigger input A for the OR operator

Threshold: 2.5V

6. OR IN B:
Gate/trigger input B for the OR operator

Threshold: 2.5V

7. OR OUT:
OR operation output

If the voltage present at OR IN A is above 2.5V **or** the voltage present at OR IN B is above 2.5V, then 5V will output from OR OUT

The voltages present at AND IN A and AND IN B will normal to OR OUT if there is no voltage present at OR IN A and OR IN B

Range: 0V – 5V

8. OR LED:
LED that indicates the output voltage present at OR OUT