2hp Div Clock Divider Instruction Manual

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Div

2hp Div Clock Divider

Specifications

- **Format:** 2 HP Eurorack module
- **Depth:** 46mm (Skiff Friendly)
- **Max Current:** +12V = 30mA, -12V = 3mA

Product Information

Div is a two-channel, voltage controlled clock divider and multiplier. It allows incoming clock signals to be multiplied or divided by a factor of 16 with various values in between. The CV inputs enable external control of the clock rate, facilitating the creation of dynamic rhythms from a single clock signal.

- Divide or multiply by 1, 2, 3, 4, 5, 6, 7, 8, or 16
- Individual rate knob and CV per channel
- Two rhythmically independent outputs from a single clock signal

Installation

1. Locate 2 HP of space in your Eurorack case.
2. Confirm the positive 12 volts and negative 12 volts sides of the power distribution lines.

3. Plug the connector into the power distribution board of your case, ensuring the red band corresponds to negative 12 volts.
4. Connect the power cable to the Div with the red band facing the front of the module.

Product Usage Instructions

1. **IN:** Clock input with a threshold of 2.5V.
2. **LED 1:** Illuminates when a clock signal is emitted from OUT 1.
3. **LED 2:** Illuminates when a clock signal is emitted from OUT 2.

Description

Div is a two-channel, voltage controlled clock divider and multiplier. Incoming clock signals can be multiplied or divided by a factor of 16 with a multitude of values in between. CV inputs provide external control of the current clock rate, allowing for the creation of dynamic rhythms from a single clock signal.

- Divide or multiply by 1, 2, 3, 4, 5, 6, 7, 8, or 16
- Individual rate knob and CV per channel
- Two rhythmically independent outputs from a single clock signal

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 Div with the red band facing the front of the module.

SPECIFICATION

- **Format:** 2 HP Eurorack module
- **Depth:** 46mm (Skiff Friendly)
- **Max Current:** +12V = 30mA

  -12V = 3mA

General Functions Overview

1. IN:

   Clock input

   Threshold: 2.5V
2. RATE 1:

   Division/Multiplication value that will be applied to the clock signal present at IN.

   Division/Multiplication Range:

   /16, /8, /7, /6, /5, /4, /3, /2, original clock, *2, *3, *4, *5, *6, *7, *8, *16

   If the RATE 1 knob is far left, the clock signal present at IN will be divided by 16 and will output from OUT 1.

   If the RATE 1 knob is center, the clock signal present at IN will be unaffected and will output from OUT 1.

If the RATE 1 knob is far right, the clock signal present at IN will be multiplied by 16 and will output from OUT 1.

3. RATE 1 CV:

   Control voltage input for RATE 1.

   Range: 0V – 5V

4. LED 1:

   LED that illuminates when a clock signal is emitted from OUT 1.

5. OUT 1:

   Clock output that will emit a division or multiple of the clock signal present at IN based on the value set by the RATE 1 knob.

   Range: 0V – 5V

6. RATE 2:

   Division/Multiplication value that will be applied to the clock signal present at IN.

   Division/Multiplication Range:

   /16, /8, /7, /6, /5, /4, /3, /2, original clock, *2, *3, *4, *5, *6, *7, *8, *16

   If the RATE 2 knob is far left, the clock signal present at IN will be divided by 16 and will output from OUT 2.

   If the RATE 2 knob is center, the clock signal present at IN will be unaffected and will output from OUT 2.

   If the RATE 2 knob is far right, the clock signal present at IN will be multiplied by 16 and will output from OUT 2.

7. RATE 2 CV:

   Control voltage input for RATE 2.
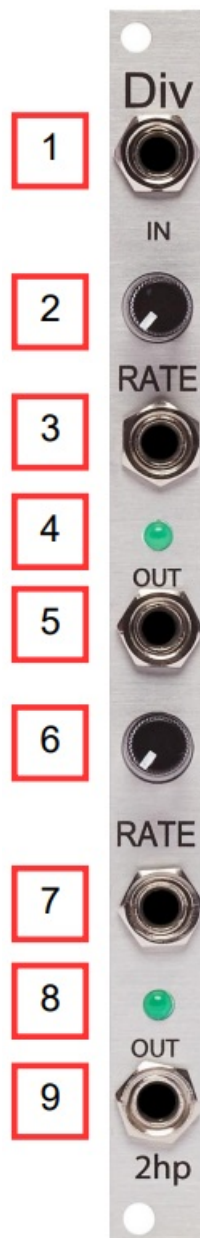
   Range: 0V – 5V

8. LED 2:

   LED that illuminates when a clock signal is emitted from OUT 2.

9. OUT 2:

   Clock output that will emit a division or multiple of the clock signal present at IN based on the value set by the RATE 2 knob.

   Range: 0V – 5V

FAQ

Q: Can I use Div with other modular synth systems?
A: Yes, Div is compatible with most Eurorack modular systems that support the specified power requirements.

Q: How do I reset the settings on Div?
A: To reset Div to its default settings, power off the module, wait for a few seconds, and then power it back on.

Documents / Resources

Div	**Div 2hp Div Clock Divider** [pdf] Instruction Manual 2hp, 2hp Div Clock Divider, 2hp, Div Clock Divider, Clock Divider, Divider

References

- **User Manual**