



**D R II**  
**S**

**USER MANUAL**



Thank you

*Thank you for purchasing Dual Rectifier II - S module.*

*Dual Rectifier II - S as the name suggests is our upgrade to our Dual Rectifier II in 1U.  
We listened to you and we improved our Dual Rectifier while keeping what made it successful.*

*Like the 3U version DR-II - S has a positive rectifier in its upper part and a negative rectifier in its lower part.*

*DR-II - S can therefore be used to generate complex waveforms, a frequency doubling, an envelope follower,  
distortion, clock doubling and more.*

Summary

**01** Introduction

**02** Installation & power safety

**03** Overview

**04** Patch Ideas

**05** Patch Ideas

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1

Unplug you rack power from the main.

### General Specifications



#### Power Consumption

+12V : 5mA  
-12V : 3mA  
+5V : 0mA



#### Panel Width

10 HP



#### Module Depth

20mm - skiff friendly

2

As shown on the sketch on the right, align the red line from the power ribbon cable with the line draw next to the power connector.

3

Check twice the alignment of the ribbon cable.

4

Plug you rack power to the main and power you rack.

5

Test your module, if it does not work as expected, please contact us at :  
contact@blacknoisemdodular.com

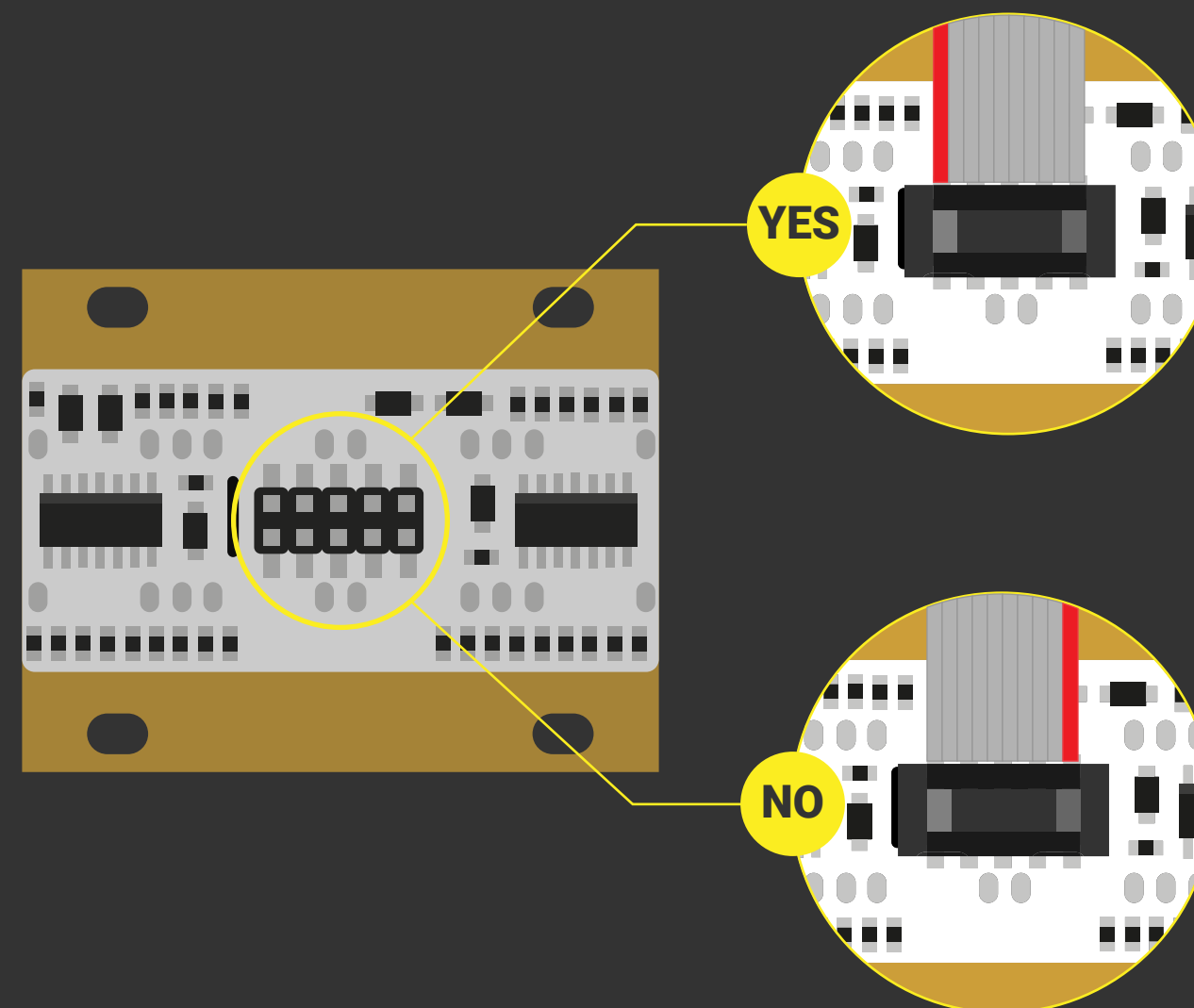
### Warranty

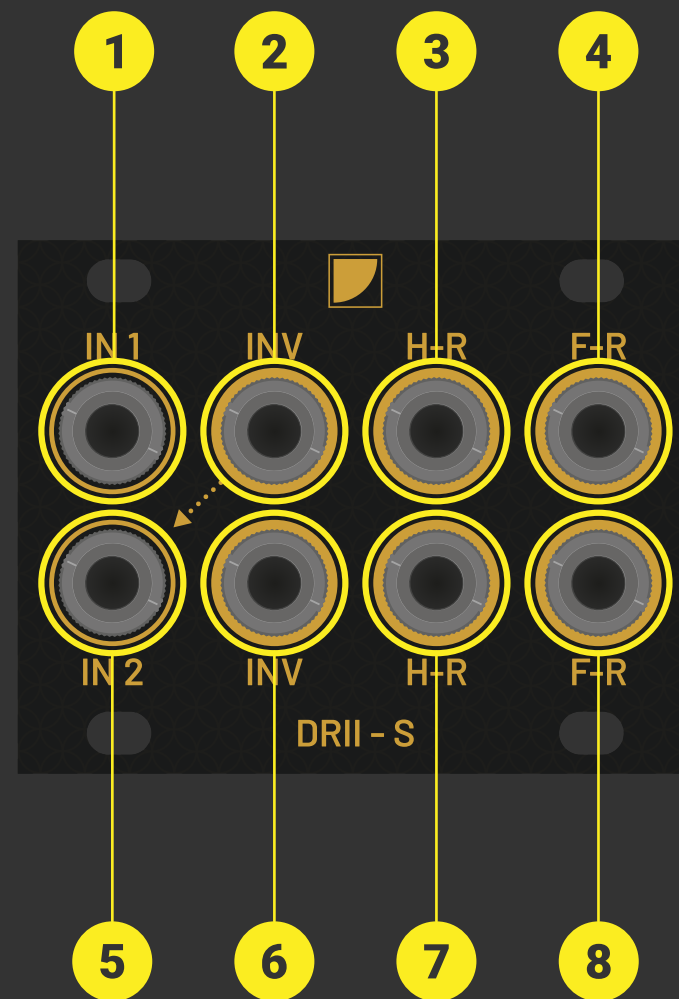
*BLACK NOISE warrants is products to be free of defects in materials or workmanship and to be conform with the specifications at the time of shipment for a period of two years from the date of purchase.*

*During that period any malfunctionning or damaged units will be repaired, service and calibrated into your workshop. This warranty does not cover any problems resulting from damages during shipping, incorrect installation or power supply, abusive treatement, or any other obvious user-inflicted fault.*

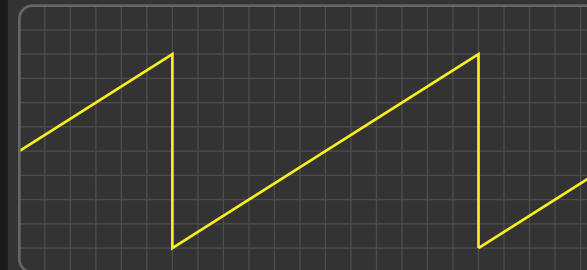
*If your product warranty is passed, it still can be serviced as long as parts are available in our workshop. We reserve the right to charge for labor, parts and transit expenses where applicable.*

*Before sending your product to our workshop please contact us for RMA and details. Any unsolicited parcel will be rejected and or returned. The postage to our workshop is on the customer. The return of your module is on us. BLACK NOISE can not take any responsibility for damages caused during transport.*



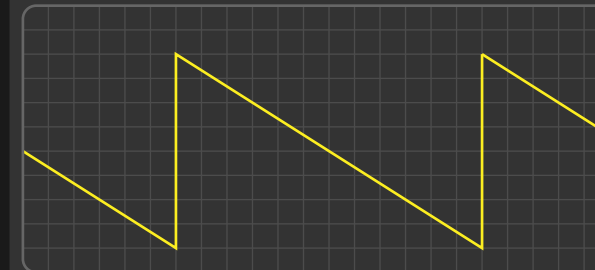


### 1 Input 1



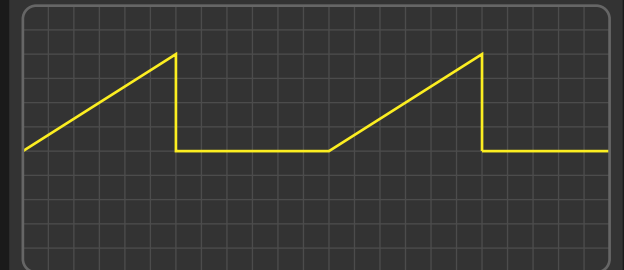
Signal send thru input 1 will be processed by the upper section of the module.

### 2 Inverted 1



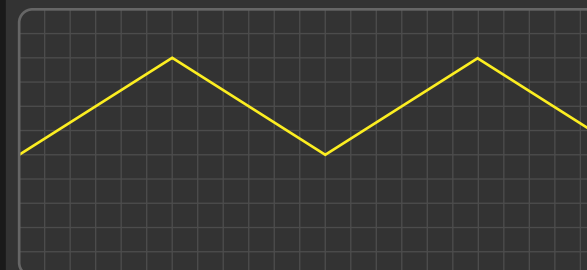
Inverted copy of input 1.

### 3 Half-rectified 1



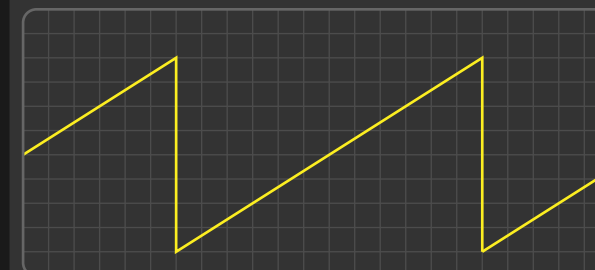
Signal from input 1 below 0V will be remove.

### 4 Full-rectified 1



Signal from input 1 below 0V will be rectified.

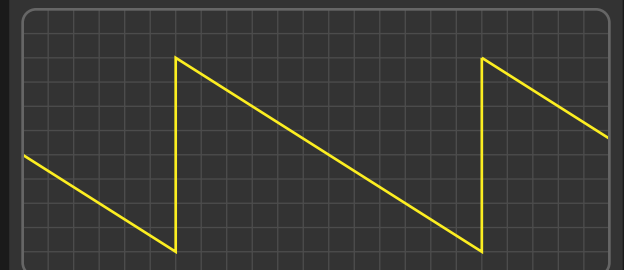
### 5 Input 2



Signal send thru input 2 will be processed by the lower section of the module. By default input 2 is normalised to Inverted 1 output.

*The inverted output 2 can therefore be used as a copy the input 1*

### 6 Inverted 2



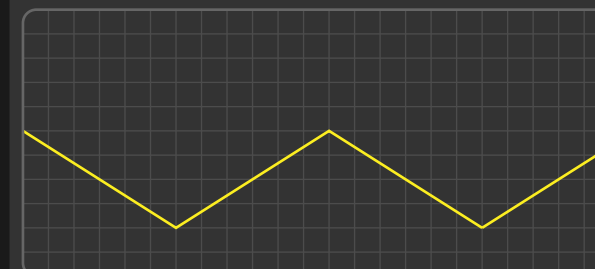
Inverted copy of input 2.

### 7 Half-rectified 2

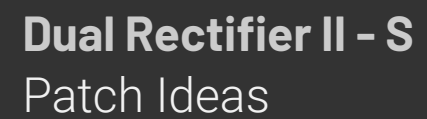


Signal from input 2 above 0V will be remove.

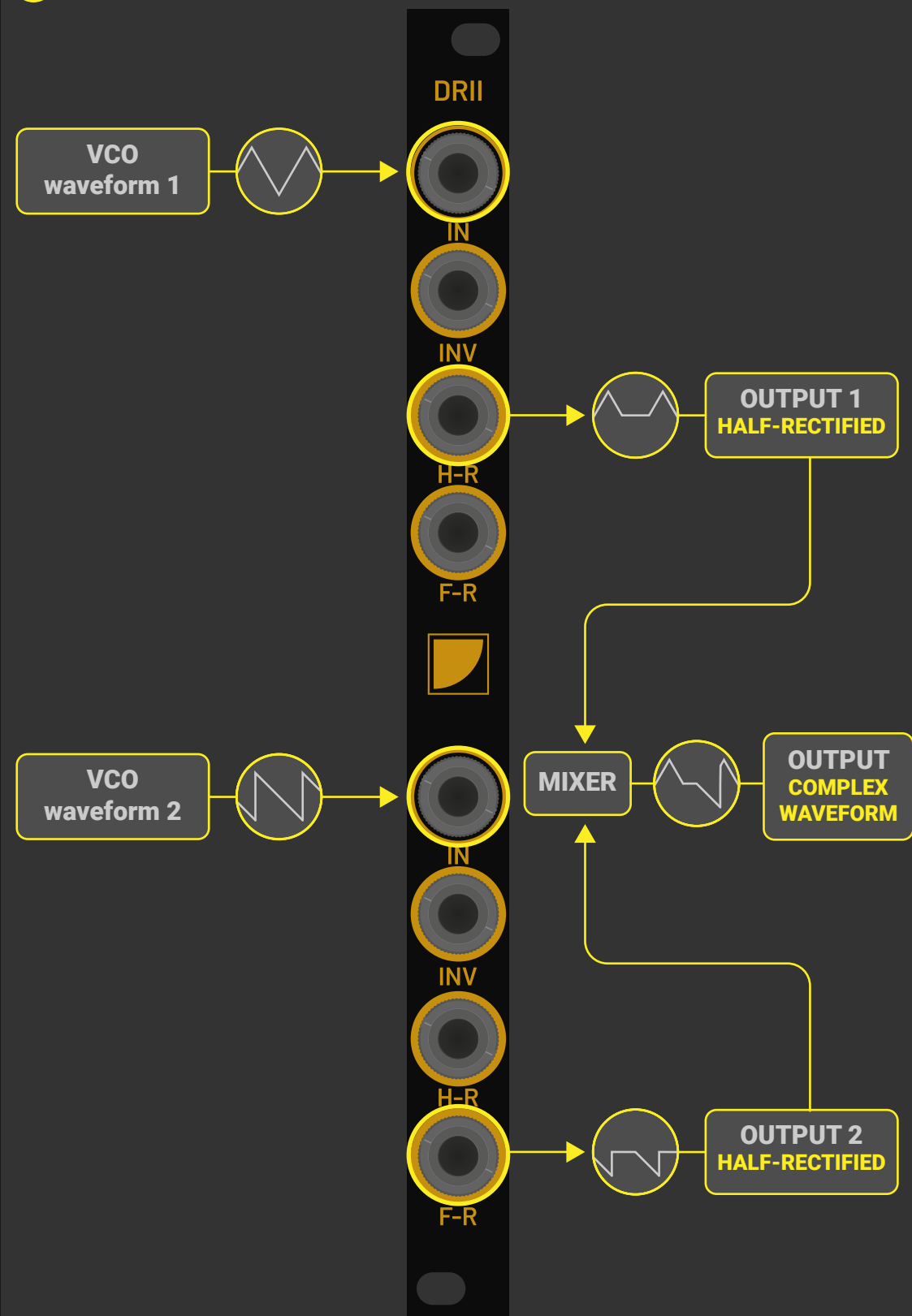
### 8 Full-rectified 2



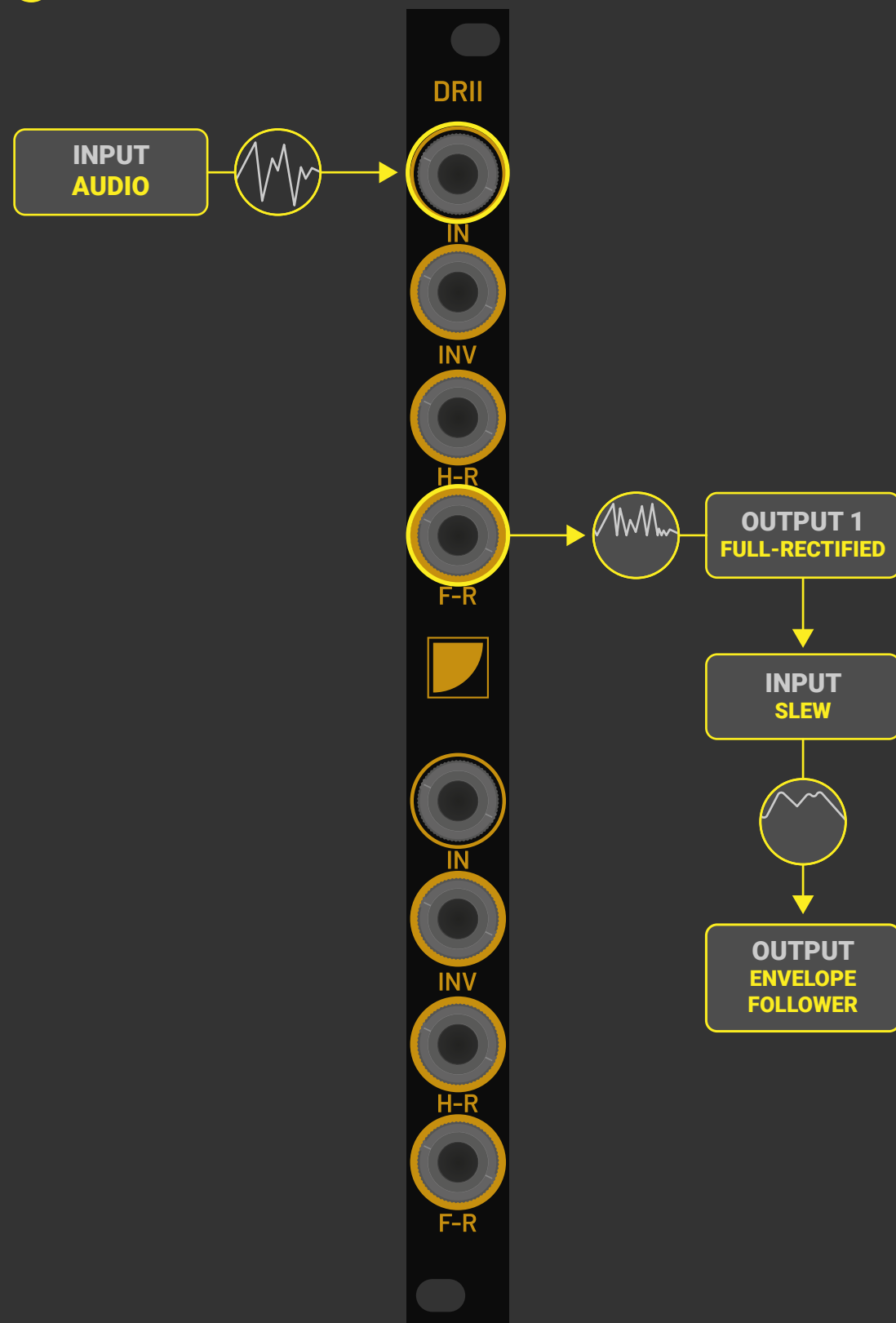
Signal from input 2 above 0V will be rectified.



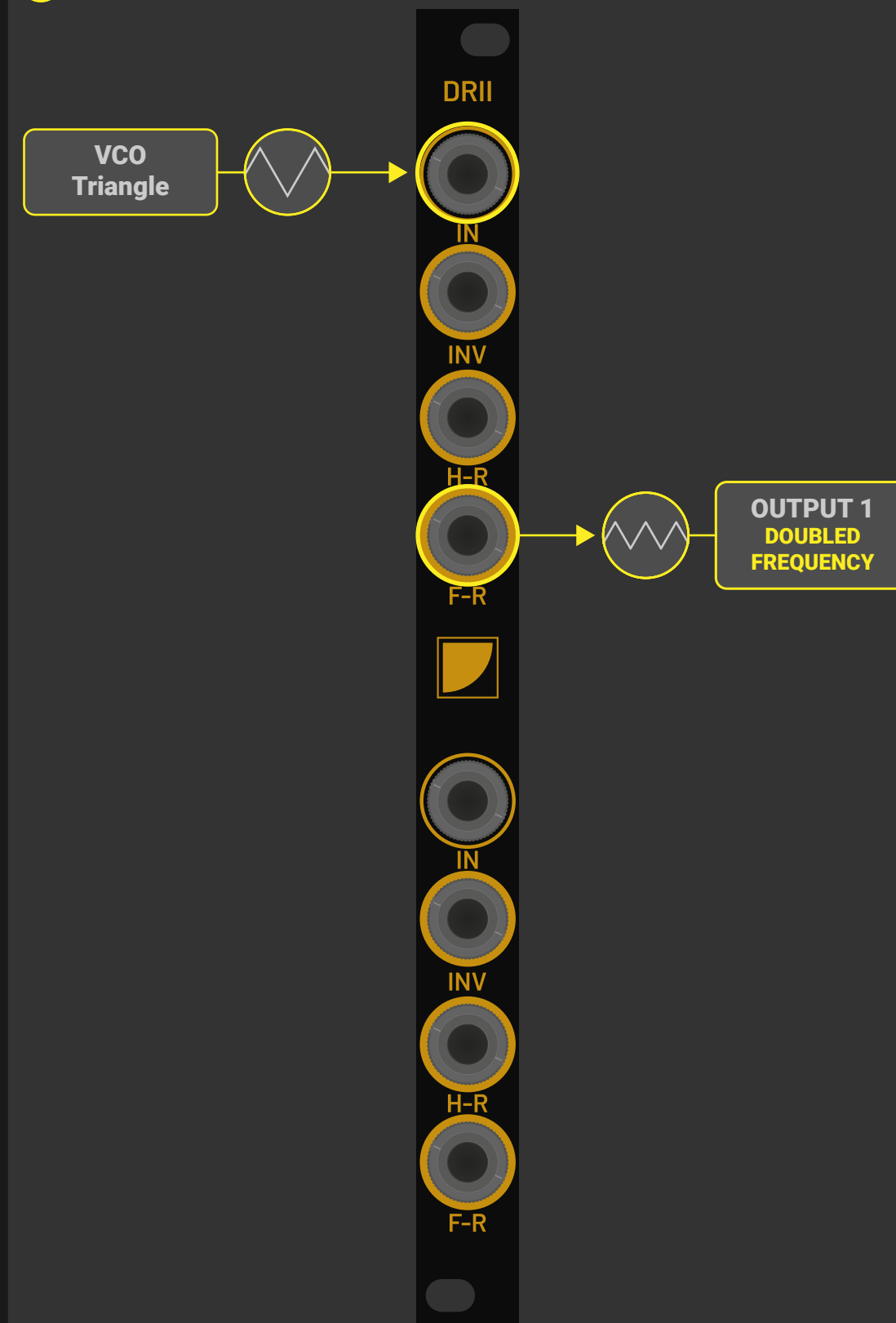
## 1 Complex Warveform/CV generator



## 2 Envelope Follower



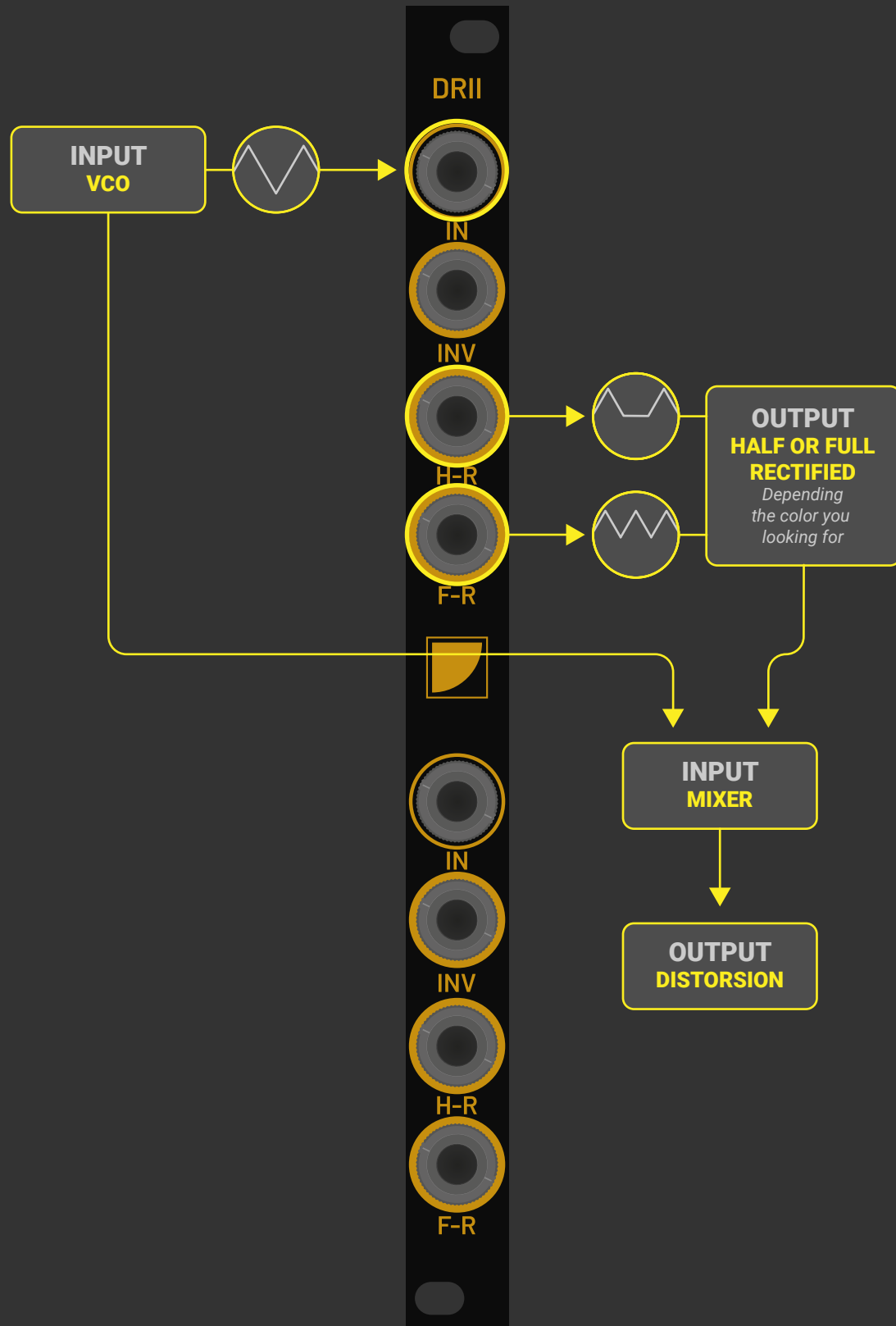
### 3 Triangle frequency doubler



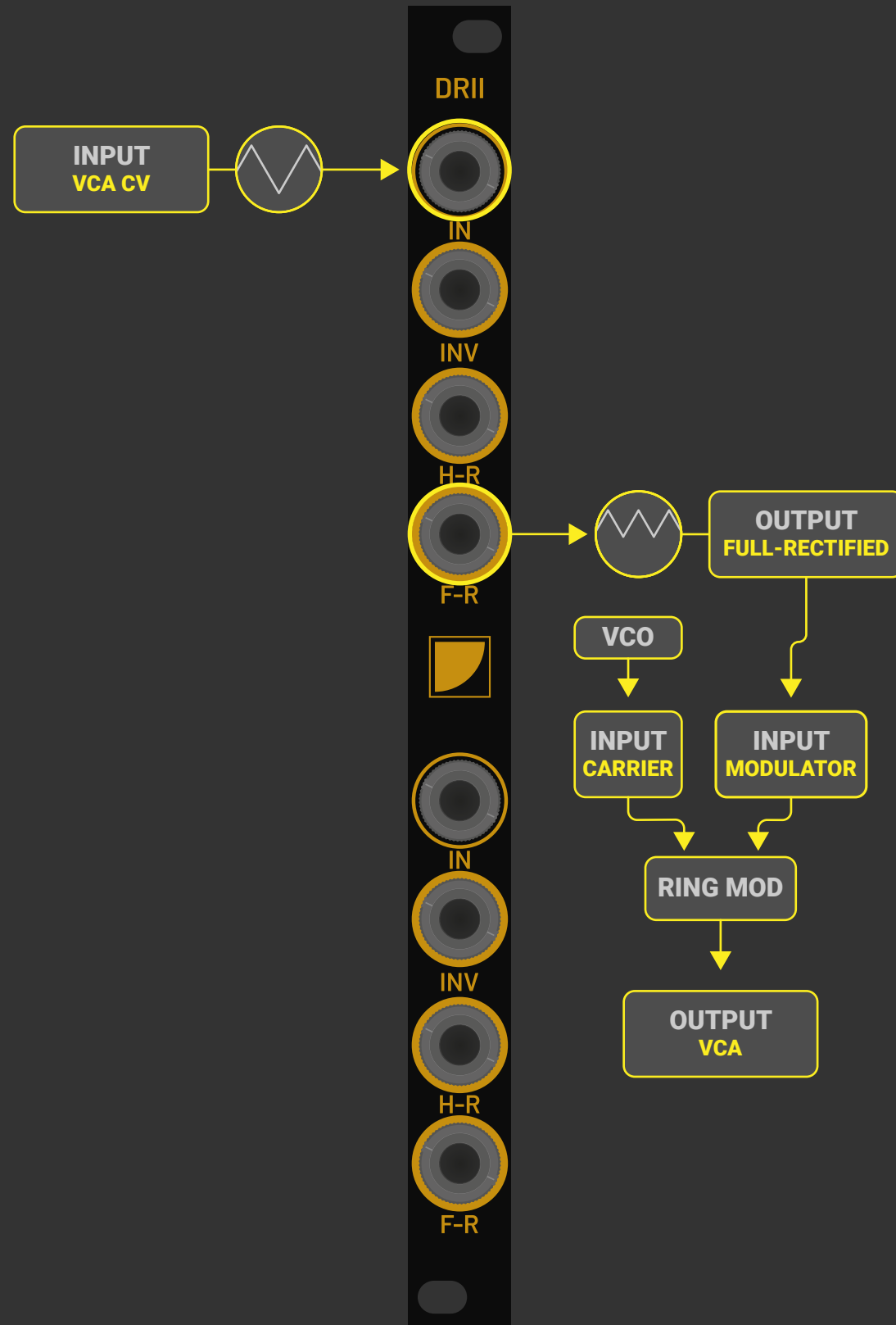




### 4 Distorsion



### 5 Ring Mod as VCA



### 6 Clock doubler

