

# TWA®



## WR-03 WAH ROCKER®

envelope filter

IN-FLIGHT MANUAL



**TWA®  
WR-03 WAH ROCKER®  
ENVELOPE FILTER**

Thank you for purchasing the **TWA WAH ROCKER®!**

Even if you've never heard of the **WAH ROCKER®** before, you've definitely *heard* it. A secret weapon of countless pros, this diminutive funk machine has been used by such luminaries as Guthrie Govan, Lenny Kravitz, Stevie Salas, David Toorn, Bill Laswell, TM Stevens, & Juan Alderete; just to name a few.

Based on the vintage **WR-3** circuit, the **TWA WAH ROCKER®** recreates the squawky, slippery, super-funked-up filtering of that tiny tone titan. It also features several updates that greatly improve on its functionality and performance.

In addition to the standard **THRESHOLD** and **DECAY** controls, the **TWA WAH ROCKER®** also features new **BLEND**, **RANGE**, and **LEVEL** controls, as well as a switch to access sounds of the also-legendary **BR-2 BOTTOM WAH ROCKER**.

The **TWA WAH ROCKER®** also features TWA's proprietary **S3™** "Shortest Send Switching"—a form of True Bypass that uses an electronic relay combined with a mechanical switch.

**S3™** switching assures that the input signal travels the absolute shortest distance between input and output jacks, guaranteeing the most transparent bypass tone available.

The **WAH ROCKER®** runs off 9vdc battery or an external 9vdc power supply option. The recommended power supply is the **PA-9 POWER-ALL**—However, it can be powered by any 9vdc, tip-negative, regulated power supply with a minimum fo 100mA of current.

The **TRISKELION**<sup>®</sup> is covered by a 3 year parts and labor warranty.

For more information and to register your warranty,  
please visit our website:

**WWW.TOTALLYWYCKEDAUDIO.COM/WARRANTY**

The **TRISKELION**<sup>®</sup> is made in the USA.

For more info on **TOTALLY WYCKED AUDIO** products,  
please visit our website:

**WWW.TOTALLYWYCKEDAUDIO.COM**

## **GO GIT SUM!!!**

### **SPECIFICATIONS:**

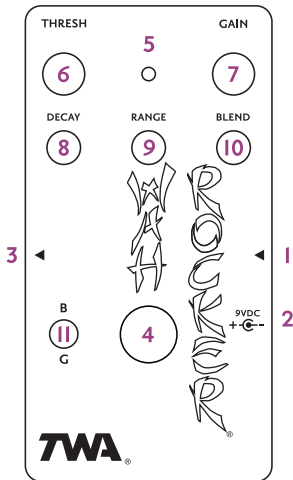
- **CONTROLS:** 9 Threshold, Gain, Decay, Range, Blend
- **JACKS:** 9 Input (1/4" Audio), Output (1/4" Audio), DC Power (5.5 mm O.D. / 2.1mm I.D. Barrel)
- **SWITCHES:** 9 Effect Bypass/Engage (plunger), Guitar/Bass (mini)
- **INDICATOR:** 9 LED effect On/Off
- **INPUT IMPEDANCE:** 1 Meg Ohm
- **OUTPUT IMPEDENCE:** 100 Ohm
- **CURRENT DRAW:** 36mA
- **POWER REQUIRMENTS:** 9 VDC, tip-negative regulated
- **DIMENSIONS:** 4.375" L x 2.375" W x 1.875" T
- **WEIGHT:** 9 7.5 Oz (without battery)

## OPERATING THE WAH ROCKER

- Before making any connections, set all controls to their lowest (full CCW) positions. Make sure pedal is bypassed (**LED dim**).
- Make all the appropriate power and audio connections. The **WAH ROCKER®** draws approx. 36mA of current when engaged.

**PLEASE NOTE:** When the pedal is receiving power, but is not engaged, the **POWER LED** will be dimly lit. This acts as a visual indicator to confirm that your pedal is receiving power. When the pedal is engaged, the **POWER LED** will be brightly lit.

- Select Guitar or Bass setting.
- Depress the footswitch (the **POWER LED** will glow brightly when engaged).
- Adjust controls for desired effect.
- **FUNK IT UP!**



## FRONT PANEL CONTROLS

1. **INPUT** – 1/4” unbalanced audio. Connect input signal here.
2. **DC In** – Connect to tip-negative 9VDC regulated power source via a 5.5mm O.D. tip-negative male barrel plug with a minimum of 100mA of current available. (**PA-9 POWER-ALL** recommended)
3. **OUTPUT** – 1/4” unbalanced audio. Connect to amplifier, recording equipment, or other effects.
4. **BYPASS SWITCH** – Engages or disengages the effect. The **WAH ROCKER®** features **TWA’s** proprietary **S3™** “Shortest Send Switching”—a form of True Bypass that uses an electronic relay combined with a mechanical switch.

**S3™** switching assures that the input signal travels the absolute shortest distance between input and output jacks, guaranteeing the most transparent bypass tone available.

In the event of a power loss, **S3™** switching automatically reverts to bypass mode, saving the user from embarrassing “dead air” and the need to figure out which pedal must be switched off to regain signal flow.

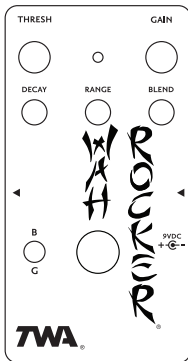
- 5. STATUS LED** – Lights brightly when the pedal is engaged.  
(Note: When the pedal is receiving power, but is not engaged, the power **LED** will be dimly lit.)
- 6. THRESHOLD** – Adjusts the sensitivity of the effect to the input signal level: This will in turn increase the frequency range in which the filter is sweeping. Turn clockwise to open the filter with a lower input signal or to increase the frequency range in which the filter is sweeping with a higher input signal.
- 7. GAIN** – Allows user to adjust the output level up to +19dB above unity gain. The original **WAH ROCKER®** could sound thin on higher frequency sweeps, and this control allows boosting of the level to stand out in a mix. Turn clockwise for more output level.
- 8. DECAY** – Controls the speed at which the filter drops off from the Peak frequency. Turn clockwise to lengthen the time of the filter sweep.

9. **RANGE** – Allows user to adjust the center frequency of the filter. This allows for fine-tuning of the filter sweep range without adjusting your playing dynamics. Turn clockwise to increase center frequency point. Frequency Range of **WAH ROCKER®** Filter is approximately three octaves.
10. **BLEND** – Blends in dry signal against the effected signal for a fuller, fatter sound. Turn clockwise to blend dry with effected signal.
11. **GUITAR/BASS SWITCH** – T Selects between the original **WAH ROCKER®** circuit and the **BOTTOM WAH ROCKER®** circuit for super-fat, low-end swamp. Move switch to “up” position to access the lower frequency sweep range of the **BOTTOM WAH ROCKER®**.
- Peak Frequency of Filter in Guitar Setting: 1.35 kHz - 1.55 kHz
  - Peak Frequency of Filter in Bass Setting: 33 Hz - 78 Hz

**NOTE:** These values are dependent on control settings as well as input signal level.

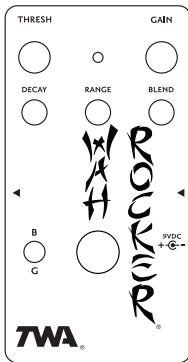
**NOT SHOWN** – Remove the four backplate screws to access the 9-volt battery compartment inside the pedal chassis.



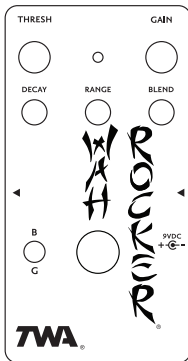


USER SETTING: \_\_\_\_\_

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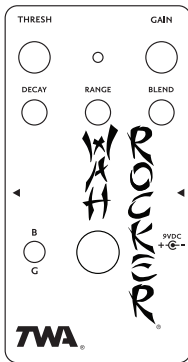


USER SETTING: \_\_\_\_\_



USER SETTING: \_\_\_\_\_

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USER SETTING: \_\_\_\_\_

W  
R  
3

TM



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*Spies in my midst Jack—Spies in my midst*