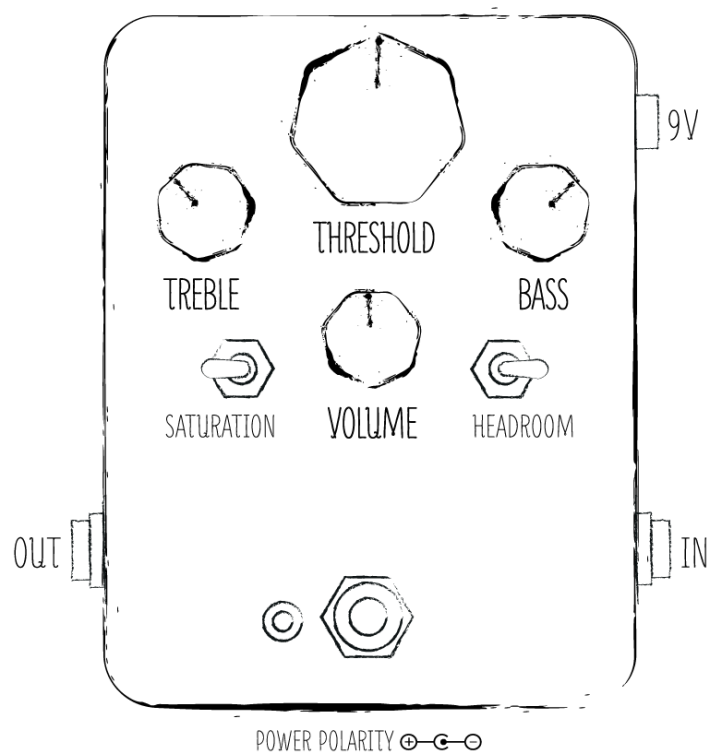


LATERAL PHONICS

MARRAKESH CONSOLE MK2

Marrakesh Console MK2 – studio-grade utility instrumental console right in your pedalboard! It is fully analog authentic preamp, overdrive, fuzz, boost, perfect color box and tone shaper for your instruments. This is a unique multifunctional amplifier with ultra-low noise figure that can play a wide number of roles. The overall tone character is warm and organic with soft clean compression and the vibe of a vintage studio desk.



Marrakesh Console has four adjustment knobs:

1. Threshold - the threshold of the transmission of the instrument signal. The lower the value of this knob the punchier and eventually distorted your sound becomes. This is practically an analogue of the gain.
2. Treble EQ - boosts or cuts high frequencies.
3. Bass EQ - boosts or cuts low frequencies.
4. Volume - adjusts the overall volume of the output signal. Boost your clean soft compression tone or clean excess volume when overdriven.

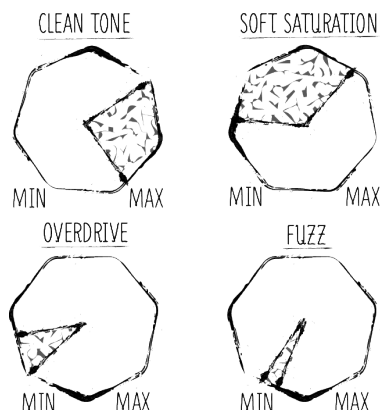
VINTAGE STUDIO PREAMP TONES

This pedal based on a vintage microphone preamplifier of the late 70's with the addition of a 2-band EQ. The heart of the Marrakesh Console are discrete operational amplifiers DOA-990, a powerful, low-noise op-amp design first developed by Dean Jensen in the 1970s and released for public use in the February 1980 issue of the AES Journal before its subsequent induction into the NAMM Hall of Fame in 2018. These DOA's have a beautiful unique sound characteristics and adapted for studio audio electronics.

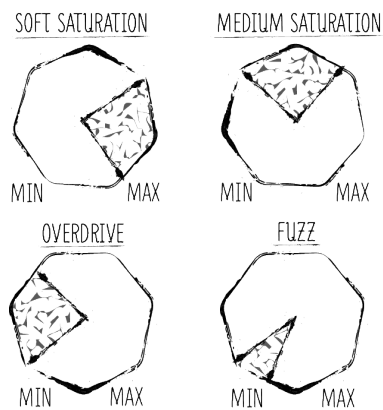
POWER MODES

Marrakesh Console MK2 has two different operating modes: High Headroom and Low Headroom. They are easily switched by an additional Headroom toggle switch located on the right side (9v / Stand By (Off) / 28v).

High Headroom mode increases the supply voltage to 28 volts, which is achieved by the built-in voltage converter. The 28 DC power supply is used for studio amplifiers, allowing for more detailed sound texture. It gives more “air”, thereby you have a greater dynamic range and greater volume. As a result, the amount of distortion decreases, there is more soft saturation with clean compression, overdrive acquire a smoother shape, at a small value of the Threshold knob the overdrive becomes denser and open and etc.



In Low Headroom mode, the pedal power is classic 9 volts. This is a typical power supply for guitar pedals. Low Headroom mode allows you to get more harmonic distortion of your signal, more hard compression and less output volume. Due to the limitation of the supply voltage, the overdrive becomes crumblier and is achieved much faster, saturation is also achieved quickly and becomes harder, fuzz at the minimum values of the Threshold knob is «hairier» and more clipped.



NOTE: The connected power supply must be strictly 9v DC!

SATURATION SWITCH

Marrakesh Console MK2 has 3 saturation modes, which allows to significantly expand its functionality and adjust the appropriate overdrive level. Additional saturation modes are achieved by adding different clippings to the feedback loop, so you can get different overdrives based on known sound such as Centaur, TS or BB. This is a very significant change to the Marrakesh Console and allows this pedal to be used not only as a preamp or console fuzz, but also as a perfect full-fledged overdrive pedal.

The Saturation toggle switch has 3 positions (Hard / Off / Soft):

1) Off saturation mode.

In the middle position you will get the classic Marrakesh Console as it was originally (additional saturation is disabled).

2) Soft saturation mode

In the far-right position you get very smooth, round saturation that can be described as an ultra-transparent overdrive at above-medium Threshold settings, or a clean saturator with additional soft compression at below-medium settings.

3) Hard saturation mode

In the far-left position you will get significantly more saturation which can be positioned as a classic soft overdrive at medium Threshold settings and a more clipped sound at higher than medium settings.

These 3 saturation modes are easily switched by an additional Saturation toggle switch located on the left side. All of these modes work perfect and produce authentic overdrive tone and amazing sound quality.

ACTIVE TWO-BAND EQUALIZER

We took a Baxandall active two-band equalizer as a reference and made several modifications with it. As a result, we have a flat middle range and special adjustable treble and bass. This means you can clean adjust the high and low frequencies without affecting the middle frequencies. Boost or cut frequencies occurs in the range of $\pm 15\text{dB}$. Bass Knob of EQ allows to make tone more massive and fluffier(hairy) or cut off low end. High Knob can get "crystallization" with punchy highs or completely soften high end. It is a studio grade EQ with transparent, wide-range high and low control filters.

UPDATES IN MK2 VERSION

The MK2 version had improved power circuit (up to 28v) its stability and filtering, added Saturation switch with 3 modes, added a momentary soft-touch Bypass button with 2 modes (Classic and Hold) and various additional schematic improvements.

In Classic button mode, the button acts as a normal pedal switch. In Hold button mode, the functions of the button are turned on only when the button is pressed (when the button is released, the functions turn off).

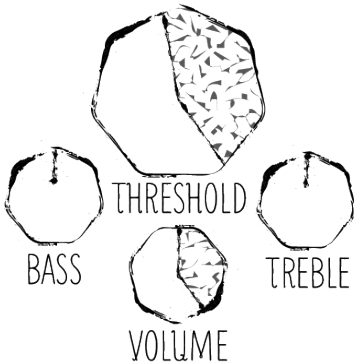

To enable Hold mode, hold the button for about 10 seconds. To exit Hold mode, press 2 short presses and one long press (the pressing speed should be around 120-150 BPM), you must see the LED begin to blink and at this moment you need to release the button. You can also exit Hold mode by resetting the pedal power.

SOME EXAMPLES

As stated above, the Marrakesh Preamp Drive can play a wide number of roles from EQ, booster, buffer preamp to saturator, overdrive and even console-style fuzz. So we want to show you the different positions of Marrakesh in the effect chain and its settings.



First pedal in chain

In this position, Marrakesh can act as a booster/buffer, tone shaper/guitar color box and preamps for pickups or instruments.

BOOSTER/BUFFER	COLOR BOX/TONE SHAPER
	
Marrakesh Preamp Console operates as an always-on preamp pedal for guitar or bass, switchable between Buffer and Boost modes. The discrete opamp gently ups the tonal quality without unwanted color, unlocking every nuance of your guitars tone with a musical, 3D depth. <i>Equalizer is on center position; Headroom switch is on High or Low mode.</i>	Perfect for those who need a little more vibe in their stuff, which is designed to be customizable. Added clean compression and soft saturation in places. <i>Equalizer is added to your liking; Headroom switch is on High mode.</i>



Middle pedal in chain

Marrakech is great for overdrive/distortion, fuzz and color box for different effects before or after.

<i>OVERDRIVE AND FUZZ</i>	<i>EFFECTS COLOR BOX</i>
 <p>THRESHOLD</p> <p>VOLUME</p> <p>Closer to the extreme small values of the Threshold knob, it produces a very powerful punching fuzz, and in the positions closer to the middle, overdrive and hard saturation are excellently revealed. <i>Equalizer is added to your liking; Headroom switch is on High or Low mode.</i></p>	 <p>THRESHOLD</p> <p>VOLUME</p> <p>Marrakesh can also adjust, boost or loaded other your pedals that stand before or after it. For example, it can add brightness/darkness to a fuzz pedals or warm up overdrive. <i>Equalizer is added to your liking; Headroom switch is on High mode.</i></p>

Last pedal in chain

At the end of the chain Marrakesh can be used as a classic preamp for an amplifier / sound card, a final tone shaper and as a Mojo Box.

<i>MAIN CLASSIC PREAMP OR REAMPING TOOL</i>	<i>MOJO BOX WITH SOFT COMPRESSION</i>
 <p>THRESHOLD</p> <p>VOLUME</p> <p>Great for amp or vintage console sims and any other time you just need a little more analog vibe with great frequency controlled. <i>Equalizer is added to your liking; Headroom switch is on High mode.</i></p>	 <p>THRESHOLD</p> <p>VOLUME</p> <p>Add pure analog compression with soft saturation to the final mix for a fuller, richer sound with a touch of vintage hardware. <i>Equalizer is added to your liking; Headroom switch is on High mode.</i></p>