Does the OD-2R have TS voicing?

by **charmonder** » 01 Nov 2013, 06:03

I picked up an OD-3 and I'm VERY pleased, I want to try the OD-2R also. Thing is I really do not enjoy tubescreamer style bass cut/ mid boost. Obviously it works for some setups but for me it kind of ends up like a fixed wah pedal. I did not get along with the SD-1 for this reason. I expect the OD-2r normal mode might sound like this but is the turbo mode 'open' sounding?

charmonder

Re: Does the OD-2R have TS voicing?

by **Laurie** » 01 Nov 2013, 08:37

Kind of like a TS...

The huge difference is that the OD-2R does not use packaged opamps. The opamp functionality is derived from discrete component opamps (ie. the opamps are built from individual transistors, not in a "cockroach"/DIP package). This MUST lead to a difference in tone.

The clipping is asymmetric, same as the SD-1 ... BUT only on the non-turbo channel. Clipping for the turbo mode is through transistor amplifier clipping.

I haven't heard one for years, so I'm not sure how one might describe the sound... is it "TS-like"? Others might have more recent experience than me.

Laurie

Re: Does the OD-2R have TS voicing?

by **Pepe** » 01 Nov 2013, 10:15

BOSS constructed the OD-2R in the way that it sounds like the OD-1 in Turbo Off mode.

I really love that sound. I'm not a big fan of the TubeScreamer - the OD-2R has another voice of its own. Nice and warm, but pretty clear at the same time. I used it live yesterday night and it sounded marvellous. The audience liked it and two other guitarists who played through my effects and amp were very pleased as well.

Pepe

Re: Does the OD-2R have TS voicing?

by **charmonder** » 01 Nov 2013, 19:22

> *Laurie wrote:*
> *The huge difference is that the OD-2R does not use packaged opamps. The opamp functionality is derived from discrete component opamps (ie. the opamps are built from individual transistors, not in a "cockroach"/DIP package). This MUST lead to a difference in tone.*
>
> *The clipping is asymmetric, same as the SD-1 ... BUT only on the turbo channel. Clipping for the non-turbo mode is through transistor amplifier clipping.*

Ok yeah! See the 'discretion' involved is exactly what's peaking my interest in OD-2R! The DS-2 I learned is all discrete as well. Although I was thinking it might be the other way around, turbo mode is without diodes and normal mode is the asymmetrical clipping?

> *Pepe wrote:*
> *I really love that sound. I'm not a big fan of the TubeScreamer - the OD-2R has another voice of its own. Nice and warm, but pretty clear at the same time.*

I was hoping to hear something like this! I don't hate the tubescreamer/SD-1 I just know that particular EQ shape won't help me since I do rhythm with clean SS amps.

charmonder

Re: Does the OD-2R have TS voicing?

by **Clean Channel** » 01 Nov 2013, 19:40

After seeing this thread, I plugged my OD-2r in for a run through today. I agree with what Pepe said, it's a very smooth, warm OD. Definitely different tone-wise from the SD-1. Very nice pedal!

And as always, thanks Laurie for the detailed insight on the internals! As is often with your posts, I'll be copying and pasting that one for my records.

Clean Channel

Re: Does the OD-2R have TS voicing?

by **Clean Channel** » 01 Nov 2013, 19:45

And going into my folder, I already found this earlier post I saved from Laurie...

The OD-1 and OD-2r non-turbo clipping is implemented the same way - 3 silicone diodes set up asymmetrically in the feedback path. The OD-1 uses a packaged opamp, the OD-2R uses an opamp made out of discrete components - so there will be differences. But the engine is the same. Note that the SD-1 is set up the same way.

Laurie: when you say "Note that the SD-1 is set up the same way" you mean it's the same as the OD-2r, correct? (with discrete components)

Clean Channel

Re: Does the OD-2R have TS voicing?

by **Laurie** » 01 Nov 2013, 20:29

Errr... no. The clipping is the same for all three.

And I mis-spoke above. The asymmetrical diode arrangement is in the non-turbo mode, not the turbo mode. I blame the lateness of the hour when I wrote it. I've edited the post above.

Laurie

Re: Does the OD-2R have TS voicing?

by **Clean Channel** » 01 Nov 2013, 20:34

Oh, right! Oops on my part!

Clean Channel

Re: Does the OD-2R have TS voicing?

by **charmonder** » 08 Nov 2013, 20:17

good day for the color yellow

I haven't tried either yet in a band situation, but I have some initial thoughts after doing some direct-to-tape recording:

OD-2R: good! As I was hoping for, it's capable of a much flatter EQ curve than the stock SD-1 & tubescreamer. Easily one of the more useful dirt pedals I have because it can do clean boost, overdrive, distortion and then the turbo switch can get all the way into fuzz territory. An overdrive that thinks it could be a RAT! The OD-3 on the other hand, I say an overdrive that thinks it is an amp sim! it accepts the distortion/boost from OD-2R beautifully. I was getting natural sounding compression effects, they combine very well in that order.

thing is both these pedals were so inexpensive and easy to find, I just want to try all the boss drives now!

charmonder

Re: Does the OD-2R have TS voicing?

by **Pepe** » 08 Nov 2013, 20:22

Welcome to the OD-2R fan club!

And a nice avatar you have there now! Did you set it up on your own? Did your local butcher help you with the pic on the right?

Pepe

Re: Does the OD-2R have TS voicing?

by **Clean Channel** » 08 Nov 2013, 20:24

Congrats on the new pedals! Both great ones IMO!

The full range of Boss dirt offerings are wide and varied, and very fun to explore!

Clean Channel

Re: Does the OD-2R have TS voicing?

by **charmonder** » 08 Nov 2013, 21:08

actually those are official boss graphics, shows a pedal and the foot from the kind of person who might use the pedal
worth a look http://www.pinterest.com/rolandcorpus/f ... wallpaper/
so I think the pig likes to use a metal zone for squealing leads.

but why on earth would the incredible hulk or frankenstein like a flanger pedal? I can't figure this one out.

charmonder

Re: Does the OD-2R have TS voicing?

by **charmonder** » 08 Nov 2013, 22:28

> *Clean Channel wrote:*
> *Congrats on the new pedals! Both great ones IMO!*
>
> *The full range of Boss dirt offerings are wide and varied, and very fun to explore!*

thanks! my new discovered obsession with boss drives is partly your fault btw! Some are higher on my want list but at this point it's just whichever comes along for a reasonable price.

charmonder

Re: Does the OD-2R have TS voicing?

by **Clean Channel** » 08 Nov 2013, 23:05

Lol, sorry!

Clean Channel

Re: Does the OD-2R have TS voicing?

by **charmonder** » 08 Nov 2013, 23:58

I have this to share for anyone that's interested, the best I can attempt to demo what I like about the OD-3 sounds
,
there are 2 guitar tracks both are is just a squier jaguar->OD-3 w/ all knobs about noon---> direct to tape(no amps no mics). A little harsh because I recorded direct but I was loving how OD-3 can virtually switch from clean to crunch to distortion just based on dynamics

charmonder