Boss DD-2?

by **fendrix_81** » 20 Apr 2012, 18:08

Hi
i would like to buy a delay.
i see that the old boss dd-2 is digital at 12 bit,
and has the same chip as roland sde 3000,
so i guess, does have the same delay quality as the roland sde-3000?
is it a good delay?
thx

fendrix_81

Re: Boss DD-2?

by **Laurie** » 20 Apr 2012, 18:28

The DD-2 is considered (by some) as the best Boss delay. Don't know about the SDE-3000 (never seen one).

Laurie

Re: Boss DD-2?

by **Pepe** » 20 Apr 2012, 18:30

Hi, fendrix_81! Nice to see you again! (You were there at the bossarea forum before it broke down, didn't you?)

Yes, the DD-2 is a very nice pedal! It has lots of lovers around here - Laurie being a die-hard fan as well, AND THAT MEANS A LOT!

Pepe

Re: Boss DD-2?

by **fendrix_81** » 20 Apr 2012, 18:37

yes friends i were here!
so nice to see you

well, i had a boss dd-7. it was a great pedal, very versatil etc but i sold it.
now a guy want sell me one for about 55 euro.

Surely i will buy it "i love collect boss pedals", and if it have the some roland sde 3000 chip should to sound good.
i have a roland sde 2000 but it is broke i would like to repair it ;/

what i find is, a delay about 350ms wich the same dealy at 1 repetition will sound more dark "not at the same guitar quality".
i hope that the boss dd-2 can do it.

fendrix_81

Re: Boss DD-2?

by **DasBeef** » 20 Apr 2012, 18:52

If you're getting the DD-2 for 55 euro, I have two words for you.....

BUY IT!

DasBeef

Re: Boss DD-2?

by **fendrix_81** » 20 Apr 2012, 18:55

i buied for the same price "as 65 euro" an octaveR and a ds-1 1982 new with box and instruction..

fendrix_81

Re: Boss DD-2?

by **DasBeef** » 20 Apr 2012, 19:02

Then you're clearly a man of taste. My work here is done!

DasBeef

Re: Boss DD-2?

by **Zerksies** » 20 Apr 2012, 20:05

pick it up. I t will be well worth it.

Zerksies

Re: Boss DD-2?

by **nathanscribe** » 20 Apr 2012, 22:33

One thing to note is that the "long chip" does not contain the memory used to store the sound - it just does the data crunching. The same "long chip" is used in the RDD-10/20 microrack delays, for example, but there the max. time is about 500ms. The delay time available will be down to two things, as far as I can tell - 1) the clock speed, 2) the amount of RAM.

Increasing the delay (that is, using the control knob on the device) will be done in one of two ways, and I think Boss utilised both - 1) altering the clock speed (or sampling rate, thereby reducing the bandwidth at longer delay times in a similar way to analogue BBD circuits) or 2) limiting the amount of RAM utilised for a given time out of what is available. The second method retains uniform bandwidth for a given clock speed across different amounts of memory.

Using the RDD-20 as an example, it has switched delay ranges and a knob to set the time within that range. The knob directly controls the clock speed that drives the sampling, and the switches are coupled to the "long chip" in a way that I *guess* (based on my knowledge of delays generally) selects a fixed quantity of RAM to use out of what is supplied.

The DD-2 does this too - but has 800ms max. delay time, despite both units having the same RAM (192k, across 3x 64k RAM chips). I don't know for sure because I have never tested them side by side to match the tone, but I would hazard a guess that this was done to improve the general sound fidelity of the Microrack delay in comparison with the pedal - run the same amount of RAM at a higher clock rate to raise the bandwidth - the trade-off being that the memory is used faster and you shorten the maximum time available.

I don't know anything about the Roland rack delays using this "long chip" but would take a wild stab in the dark and guess that they use the same system - with more RAM - to give either greater fidelity, longer times, or both.

nathanscribe

Re: Boss DD-2?

by **Laurie** » 21 Apr 2012, 00:15

> *nathanscribe wrote:*
> *One thing to note is that the "long chip" does not contain the memory used to store the sound - it just does the data crunching. The same "long chip" is used in the RDD-10/20 microrack delays, for example, but there the max. time is about 500ms. The delay time available will be down to two things, as far as I can tell - 1) the clock speed, 2) the amount of RAM.*

The "long chip" is, essentially, a "finite state machine"... not a programmable microprocessor. What this means is that the amount of RAM it can address is fixed. It can't be reprogrammed to use more RAM. So as nathanscribe mentioned, the delay time can only be changed by changing the clock frequency.

Laurie

Re: Boss DD-2?

by **fendrix_81** » 21 Apr 2012, 09:46

well
thx friends for the info,
i hope that the delay will sound dark than the same quality.
thx

fendrix_81

Re: Boss DD-2?

by **Fedestrat** » 31 May 2012, 17:49

As I read in the Boss Book, the DD-2 is the same as DD-3 first version, great pedal

Fedestrat

Re: Boss DD-2?

by **Cavefish34** » 31 May 2012, 20:07

I think Eric Johnson switched over to this from his relic Memory Man? I dunno..... just seems he was using a DD-2 the last time I looked at the current rig... please advise.....

Cavefish34

Re: Boss DD-2?

by **Sibob6** » 01 Jun 2012, 11:06

Currently looking around for a DD-2 to A/B with my DM-3, seems to be a decent few on Evilbay

Si

Sibob6

Re: Boss DD-2?

by **Pepe** » 01 Jun 2012, 11:21

Yeah, one of them is mine (auction ending tomorrow), if you're interested in buying one.

Pepe

Re: Boss DD-2?

by **Arpeggiator** » 01 Jun 2012, 11:35

If you're gonna buy one, buy it from Pepe. I certainly can vouch for him.

Arpeggiator

Re: Boss DD-2?

by **Disco Stu** » 01 Jun 2012, 12:11

Nathanscribe --

Thanks for your post. You're making my head melt; it's not built to think

Disco Stu

Re: Boss DD-2?

by **sclitheroe** » 02 Jun 2012, 06:26

> *nathanscribe wrote:*
> *The DD-2 does this too - but has 800ms max. delay time, despite both units having the same RAM (192k, across 3x 64k RAM chips). I don't know for sure because I have never tested them side by side to match the tone, but I would hazard a guess that this was done to improve the general sound fidelity of the Microrack delay in comparison with the pedal - run the same amount of RAM at a higher clock rate to raise the bandwidth - the trade-off being that the memory is used faster and you shorten the maximum time available.*
>
> *I don't know anything about the Roland rack delays using this "long chip" but would take a wild stab in the dark and guess that they use the same system - with more RAM - to give either greater fidelity, longer times, or both.*

That agrees with this description I found:

Studio Quality Digital Delay For the Ultimate Refinement of Basic Performances
Achieving true recording studio quality sound, the RDD-10 digital delay was specially developed to realize the ultimate in basic performances. At the heart of this machine lies the determining factor for the high quality of sound it delivers a high-performance 12-bit PCM system plus analog logarithm compression. The delay times for the RDD-10 are purposely restricted to the most practical range between 0.75-400ms to avoid the sacrifice in sound quality that extra-long delay times entail

All very interesting stuff to me since I just received an RDD-10 this week (I have yet to play with it).

-Scott
sclitheroe

Re: Boss DD-2?

by **nathanscribe** » 02 Jun 2012, 10:54

Interesting Scott, was that from a brochure?

nathanscribe

Re: Boss DD-2?

by **Dirk** » 02 Jun 2012, 18:02

> *sclitheroe wrote:*
> *All very interesting stuff to me since I just received an RDD-10 this week (I have yet to play with it).*

Oh, you'll love it, as it also does very good modulation.
Chorus, flange and vibrato sounds are very nice and high quality on it.

Dirk

Re: Boss DD-2?

by **sclitheroe** » 02 Jun 2012, 18:08

I found it from an Ebay description, but if you read the full text it sounds like a badly translated marketing blurb from Japanese. I've seen numerous ebay auctions with the same style of text (including the "trick and shock" section, which is awesome), so they must be quoting it from somewhere.

RDD-10 Digital Delay

Boss Micro Studio Series Vol.1, 1986:
Studio Quality Digital Delay For the Ultimate Refinement of Basic Performances
Achieving true recording studio quality sound, the RDD-10 digital delay was specially developed to realize the ultimate in basic performances. At the heart of this machine lies the determining factor for the high quality of sound it delivers a high-performance 12-bit PCM system plus analog logarithm compression. The delay times for the RDD-10 are purposely restricted to the most practical range between 0.75-400ms to avoid the sacrifice in sound quality that extra-long delay times entail. The result is an outstanding frequency response, perfectly flat all the way to 15kHz. So now you can create sharp, impressive delays, flanging, doubling and chorus effects, all with the greatest sound quality available. The RDD-10 also has a Delay Tone control for subtly varying the sound. Capable of delivering it all-from intense effects which make optimum use of the unit's superior frequency response to an analog-like mild echo, the RDD-10 perfectly matches any instrument to create a truly wide range of sound effects.

Controls
DELAY TIME:
RANGE selects a delay time in 9 steps from 1.5 to 400ms, with FINE allowing continuously-variable adjustments over a X0.5 - X1 range. Combining these two controls will allow you to set a very precise delay time anywhere in the range between 0.75-400ms, enabling an astonishing variety of effects to be produced.

MODULATION:
RATE controls the LFO modulation speed while DEPTH sets the depth of LFO modulation. This control is effective when creating flanging and chorus effects.

FEEDBACK:
This decides the number of times the delay sound is to be repeated. If set to the MIN position, a single delay can be obtained.

DELAY:
TONE will set the tonal characteristic of the delay sound, from a sharp, biting sound to one that's mild. LEVEL will determine the proportion of direct and delay sound.

Point Of Performance
A major feature of the RDD-10 is the built-in DELAY TONE control for creating a tremendous diversity of sounds. Rotate the knob clockwise for a sharper effect with treble emphasis. A softer natural sounding echo will be the result of a counter clockwise setting. For a deeper echo effect, set the DELAY TONE control at a setting slightly lower than a normal setting. This will prevent the delay sound from adversely effecting the direct sound. Fig. 1 is a setting for producing a chorus effect. Adjusting the DELAY TONE lets you increase the range of available sounds. Fig. 2 depicts the setting for creating a long echo sound that's perfect for single note guitar and synthesizer soloing. To key to maximizing the potential of this setting is to match the delay time to the music's tempo, making use of the DELAY TIME FINE control. With an electric bass, the addition of a short single delay of approximately 20ms will produce the double tracking effect so favored by Jaco Pastorius. By thickening the sound and making it more metallic, this setting really brings out the best in a chopper playing style.

Trick & Shock
This might sound rather surprising, but try connecting a DP-2 pedal switch, FS-1 foot switch or a FV-60 volume pedal directly to the MODULATION BUS jack (for the FV-60, use the output jacks). This will allow the RDD-l0's delay time to be adjusted or the MODULATION DEPTH control to be switched on/off by operating the pedal. Different settings for the DELAY FINE and MODULATION DEPTH controls will generate variations during pedal operation, a most interesting effect for live performing.

sclitheroe

Re: Boss DD-2?

by **sclitheroe** » 02 Jun 2012, 18:14

> *Dirk wrote:*
> *Oh, you'll love it, as it also does very good modulation.*
> *Chorus, flange and vibrato sounds are very nice and high quality on it.*

Cool! I also grabbed a RRV-10 and a ROD-10

The prices on the ones I'd use (the three I now have) are really reasonable - I scored the ROD-10 for $50, the RDD-10 for $65, and the RRV-10 for $120. That's a lot of tones to experiment with for not much money.

sclitheroe

Re: Boss DD-2?

by **Dirk** » 02 Jun 2012, 20:17

Those things are awesome, I also have the RCL-10 in my live rack.

Dirk