

# Boss Digital Delay DD-5

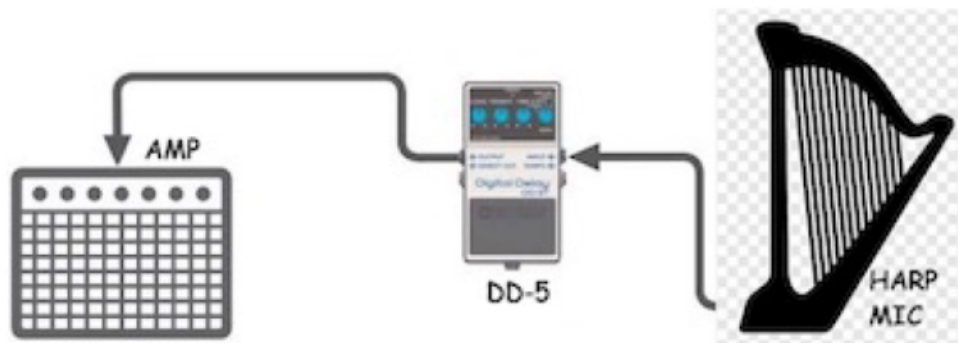
## pedal workshop



## Overview

The Boss DD-5 was the go-to digital delay for thousands of players from 1995-present and gets the job done for players looking for a tried and true, multi-mode stereo digital delay. The Boss DD-5 delay pedal features 11 delay modes, infinite fine-tuning adjustability, and a sound quality more often associated with expensive rack-mount units.

# HOOKING UP YOUR HRP TO THE PEDAL AND AMP



take a cord from the pickup on your harp into the right side of the delay pedal IN, then a cord OUT from the left side of the pedal into the input on your amp. It's that simple.

NOTE: To prevent malfunction and equipment failure, always turn down the volume, and turn off all the units before making any connections.

# USING THE TEMPO DELAY

By pressing the pedal switch (or an external foot switch, optional) several times in rhythm with your song, you can set the delay time to match the tempo of the song (tempo delay)





Use the [MODE] knob to specify the note value that will be the basis of the delay time.

- 1 Hold down the pedal switch for two seconds or longer.  
The CHECK indicator is lit green, and now you can use the pedal switch to enter the tempo.  
\* Tempo entry is not possible if the [MODE] knob is set to "SHORT LOOP."
- 2 Press the pedal switch at quarter-note intervals in synchronization with the tempo of the song.  
According to the tempo that you enter, the delay time is set so that it is the length of the note value that you specified with the [MODE] knob.  
The CHECK indicator blinks at the specified tempo.
- 3 To finish inputting the tempo, hold down the pedal switch for two seconds or longer.
- 4 Select the general delay time range you want from first four delay modes. Then use the Delay Time control to dial-in on the exact delay time you want.

# USING THE 11 MODES

(far right knob, mode chart on right of pedal)

## MODE CHART

- Mode **1** DELAY : 1 to 50 ms  
Delay sound of 1 to 50 ms delay time.
- Mode **2** DELAY : 50 to 200 ms  
Delay sound of 50 to 200 ms delay time.
- Mode **3** DELAY : 200 to 800 ms  
Delay sound of 200 to 800 ms delay time.
- Mode **4** DELAY : 800 to 2000 ms  
Delay sound of 800 to 2000 ms delay time.
- Mode **5** HOLD  
This mode allows you to record performance data of up to 2 seconds and play it back repeatedly.  
*\* For a detailed explanation about operation of the Hold Mode, see "USING THE HOLD FUNCTION" (page 14).*
- Mode **6** REVERSE  
This mode creates a special effect that reminds you of reverse playback.
- Mode **7** E / D: 1 to 400 ms  
This mode allows you to output the effect sound and the direct sound separately. The effect sound is output through "OUTPUT (MONO)" and the direct sound is output through "PANNING OUT".  
*\* Only the effect sound is output in monaural output through "OUTPUT (MONO)".*
- Mode **8** TEMPO 
- Mode **9** TEMPO 
- Mode **10** TEMPO 
- Mode **11** TEMPO   
The delay time can be set with the Tempo and Mode by pressing the Footswitch (optional) along with the tempo of the song. For a detailed explanation, see "USING THE TEMPO DELAY" (page 15).

# USING THE HOLD FUNCTION:

## USING THE HOLD FUNCTION

Using the Hold function, you can record up to 2 seconds performance data and play it back repeatedly. This, therefore, can create a special effect such as you play the musical instrument with the recorded data being played back.

*\* The recorded data will be erased when you change the positions of the Mode Switch or switch off the unit.*

### (PROCEDURE)

1. Set the Mode Switch to "5".  
The Check Indicator will go out.
2. Press the Pedal Switch to the performance you wish to record.  
The Check Indicator will flash and the performance will be recorded.
3. Release your foot from the Pedal Switch when the performance to be recorded is completed.  
The Check Indicator will be lit constantly and the recorded performance data will be played back repeatedly.
4. Adjust the output level for playback with the Effect Level Knob.
5. To stop playback, press the Pedal Switch.  
The Check Indicator will go out and returns to the status of Step 1.

*\* The maximum time for recording is 2 seconds. Even if you keep pressing the pedal for more than 2 seconds, the DD-5 will automatically stop recording then start playing the recorded data.*

*\* If you stop playing, the recorded data will be erased and therefore cannot be played back again.*

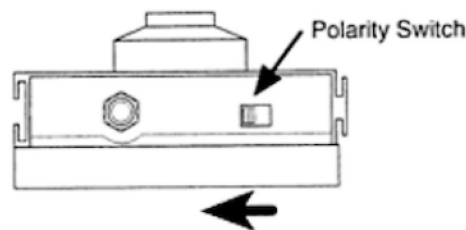
14

## USING THE TEMPO DELAY

By pressing the Footswitch (FS-5U : optional, connected to the Tempo Jack) to the tempo of the song currently being played, you can set an appropriate delay time for the tempo or change the delay time during playing.

### <Connecting the Footswitch>

Connect the Footswitch to the Tempo Jack. Set the Polarity Switch on the connected Footswitch as shown below.

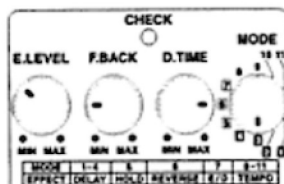


# SOME SAMPLE SETTINGS TO TRY

## SAMPLE SETTING

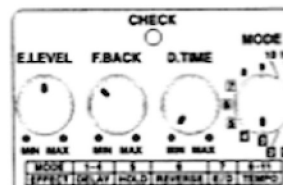
### Slow Ballad Solo

It is ideal for slow ballad solo.



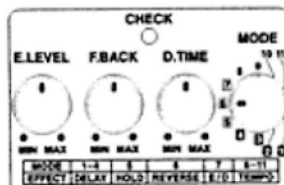
### Solo Play

It is ideal for playing a guitar solo.



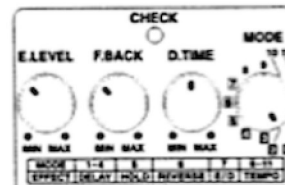
### Reverse Playback Delay

It is the delay that sounds like reverse playback. It may be unique delay sound.



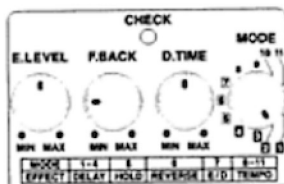
### Hard Refrain Sound

It is ideal for playing the refrain of hard distortion sound.



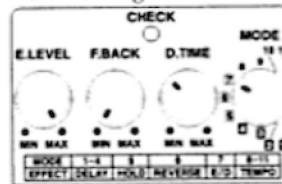
### Arpeggio

It is ideal for guitar sound played in arpeggio manner.



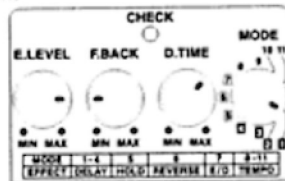
### Stereo Sound

If you output sounds in stereo using both the Panning Out and Output Jacks, it will sound as if it is panned to the right and left.



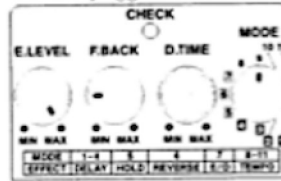
### Room Ambience Like Sound

It is the delay sound that sounds as if it was picked with an ambience microphone standing in a room.



### Muting Arpeggio

If you play arpeggio by muting while pressing the FS-5U (connected to the TEMPO jack) four times, a normal arpeggio will turn to a spacious sound.



## **OTHER SETTINGS:**

### **Endless repeats**

The sampling capabilities of the DSD-2 and DSD-3 lives on in the DD-5. You can use the DD-5 to produce a backing part for soloing, then play a duet with yourself. In Hold mode, press the pedal to record a passage as long as 2,000ms. Release it to stop recording and start automatic playback. An LED indicator flashes while the DD5 is playing back.

### **Backward instrument effect**

The DD-5 gives you the bonus of a unique Reverse mode so you can play backward guitar in real-time, reversing phrases in a 1 ,000 ms to 2,000 ms range.

### **Stereo outputs**

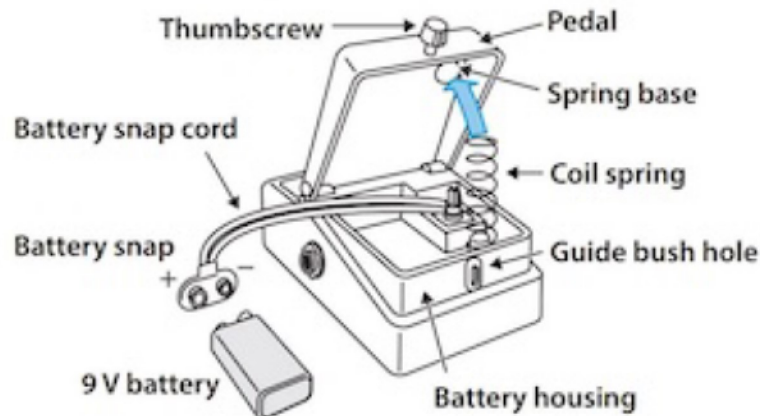
If you use the DD-5 in stereo, a Panning Out feature provides dynamic panning delay for spacious stereo effects. The E/D mode outputs a dry signal from one channel and the delayed sound from the other. The delay can also be inserted into an effects loop. To enhance solos, you can produce delay effects that make maximum use of the stereo field.

## CHANGING THE 9 VOLT BATTERY

Hold down the pedal and loosen the thumbscrew, then open the pedal upward.

Remove the old battery from the battery housing, and remove the snap cord connected to it.

1. Connect the snap cord to the new battery, and place the battery inside the battery housing.
  - \* Be sure to carefully observe the battery's polarity (+ -).
- 2 Slip the coil spring onto the spring base on the back of the pedal, and then close the pedal.
  - \* Carefully avoid getting the snap cord caught in the pedal, coil spring, and battery housing.
- 3 Finally, insert the thumbscrew into the guide bush hole and fasten it securely.



NOTE: there is a boss PSA wall unit for electric if you don't want to rely on battery operation only.



## WRAP UP:

The DD-5 is jam-packed with delay options, most notably the specific Delay modes. These range in overall delay time from 1ms to 2000ms (2 full seconds!), which is a pretty nice range, and useable for most of us. Sure, there are other delays with longer times, but 2 seconds is a pretty long time, and can be just the right amount in many, many situations, especially in a live setting. Mode 5 is the Hold function, which can be useful sometimes.

The ability to do Reverse is fun, for sure, which is another reason I dig the [DD-5](#). Hours of wacked-out noises can come from the reverse setting, as many of you know, and it's no different here.

The last dial features 4 different tap tempo selections (quarter, dotted eighth, eighth and quarter note triplet) for use with an external tap tempo switch (like the FS-5U).

An instant classic pedal, and one that has remained on many boards around the world since its release, the DD-5 is a pretty straightforward delay, with a couple of cool options and a ton of useable sounds. As with all Boss pedals, it's pretty indestructible too!!

## **Specifications for all you techies!**

- Controls: E.Level, F.Back, D.Time, 11-way Mode switch
- Connectors: Input, Output (MONO), Panning Out, Tempo, AC Adaptor
- Current Draw: 65 mA (DC 9V)
- Weight: 420g / 15 oz (including battery)
- A/D Conversion: 16-bit linear, 64 times oversampling, using quad:Delta Sigma modulation, AF Method
- D/A Conversion: 16-bit linear
- Sampling Frequency: 32kHz
- Dynamic Range: 110 dB or greater (Direct) 100 dB or greater (Effect)
- Nominal Input Level: -20dBu
- Input Impedance: 1M $\Omega$
- Nominal Output Level: -20dBu
- Output Impedance: 1k $\Omega$
- Recommended AC Adaptor: PSA Series