

## Instruction

Thank you for purchasing for SSAUDIO **REVERB™**. To make the best use of the **REVERB™** please read the instruction carefully.

- \*. SS-Reverb Algorithms simulate the reverberation in Chamber/ Spring/ Hall environment.
- \*. DSP TMS320 with 32 bit floating point operation built in.
- \*. Codec AC3401 with 24bit resolution and high sampling rate 44.1kHz applied in the system
- \*. Preset mode module built inside. It's available for saving a set of parameters into internal memory
- \*. Realtime-Tuning mode built inside for operating the adjustable parameters in the system.
- \*. True Bypass built inside

## Specifications


Control: MIX, TONE, DWELL, Reverb switch, Chamber/ Spring/ Hall function switch

Indicator: Reverb indicator

Connector: Input Jack, Output Jack, AC Adaptor Jack

Input Impedance: 470k ohm

Output Impedance: 100 ohm

Power Supply: AC adaptor +  - (SSAUDIO AC2DC-series or equivalent)

Current Draw: 100mA

Dimensions: 90mm X 45mm X 48mm

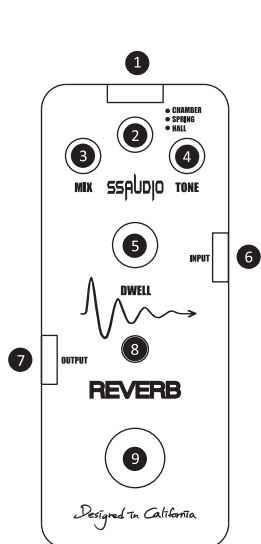
Weight: 200g

Option: SSAUDIO AC2DC-series

**LINESINGLE™ LINEPOLAR™ WATT™**

[www.ssaudio-global.com](http://www.ssaudio-global.com)

## Panel Description



### ① AC Adaptor Jack

Connect an AC Adaptor (SSAUDIO AC2DC-series or equivalent) to this jack

\*.Be sure to use a SSAUDIO AC adaptor. Use of any other type may cause damage or malfunction.

### ② Mode Switch

This switch control the reverb mode. There are three kinds of reverberation environment simulation. Each of them is Chamber/ Spring/ Hall successively.

### ③ Mix Control Knob

This Knob controls the mix level of reverb reflection. Rotating the knob clockwise will increase the level of reverb reflection.

### ④ Tone Control Knob

This knob controls the tone of reverb reflection. Rotating the knob clockwise to control the cut-off frequency of EQ low-pass filter from low to high.

### ⑤ Dwell Control Knob

This knob controls the damping ratio of the reverb reflection in three kinds of environment. Rotating the knob clockwise will reduce the damping rate and extend the reverb reflection.

### ⑥ Input Jack

Connect an electrical instrument to this jack.

### ⑦ Output Jack

Connect an amplifier or other effect unit to this jack.

### ⑧ Reverb Indicator

This LED lights when the effect is tuned on, and therefore can be used as effect on/ off indicator.

### ⑨ Reverb Switch

Turn on this switch to active reverb function (Realtime-Tuning mode/ Preset mode). In turn-off status, signal will be bypassed from input to output directly.

## Realtime-Tuning mode

MIX/ TONE/ DWELL parameters can be realtime tuned. And it will be the default mode when the system turned on

## Preset mode

Reverb function will be in the parameter which be saved in the memory

## Realtime-Tuning mode and Preset mode switch

Press the reverb switch twice in 0.5sec time period. In Realtime-Tuning mode It will be switched into Preset mode after pressing reverb switch twice in 1sec time period. In the Preset mode it will be switched into Realtime-Tuning mode after pressing reverb switch twice in 1sec time period.

## Parameter saving

In Realtime-Tuning mode, the parameters of MIX/ TONE/ DWELL be set as user required, then press reverb switch in 2sec. The parameters will be save into internal memory for Preset mode using.

# 戟 Overdrive Pedal

SSAUDIO

## Instruction

Thank you for purchasing for the ssaudio Overdrive 戟. To make the best use of the Overdrive 戟, please read the instruction carefully.

\*. True Bypass circuit is designed.

\*. Analog circuit designed gives a good quality of Overdrive.

\*. Vacuum tube simulated circuit designed provides better sounds without noise.

## Specifications

Controls: Pedal switch, Level, Drive, Tone

Indicator: Check indicator(serves also as battery check indicator)

Connectors: Input Jack, Output Jack, AC Adaptor Jack

Input Impedance: 500k ohm

Output Impedance: 10k ohm

Power Supply: DC 9V, Dry battery (6F22/9V),  
AC Adaptor (SSA-DVE: Option)

Current Draw: 6mA

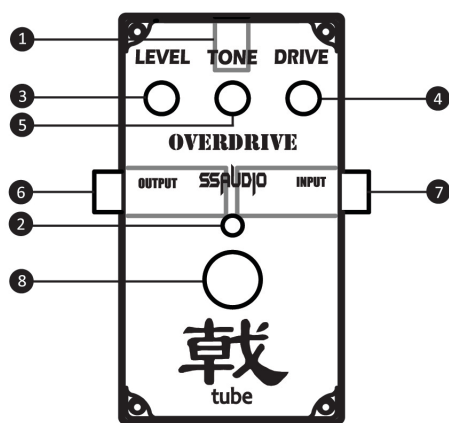
Dimensions: 60(W) x 110(D) x 30(H) mm

Weight: 238g (include battery)

Accessories: Instruction, Battery 6F22/9V (Carbon)

Option : AC Adaptor (SSA-DVE)

## Panel Description



### ① AC Adaptor Jack

Connect an AC adaptor (ssaudio SSA-DVE) to this Jack

\*. Be sure to use a ssaudio AC adaptor SSA-110~240. Use of any type may cause damage or malfunction.

### ② Check Indicator

This LED lights when the effect is turned on, and therefore can be used as an effect on / off indicator.

\*. The Check Indicator also serves as battery check. When the LED becomes dim or doesn't light at all, battery replacement is required.

### ③ Level Control Knob

This knob adjusts the volume of the effect sound. No sound will be heard when this knob is rotated completely counterclockwise.

### ④ Drive Control Knob

This knob controls the drive of the overdrive. Rotating the knob clockwise increases the overdrive.

### ⑤ Tone Control Knob

This knob controls the tone of the effect sound. Rotating the knob clockwise adds bite to the sound or makes it mellower.

### ⑥ Output Jack

Connect an amplifier or other effect unit to this jack.

### ⑦ Input Jack

Connect an electric guitar to this jack

\*. Be sure to disconnect the plug from this jack when the unit is not being used.

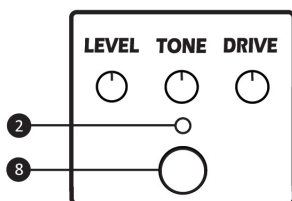
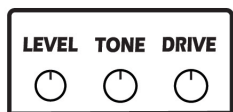
### ⑧ True Bypass Switch

Pressing the true bypass switch turns the effect on or changes to the true bypass circuit.

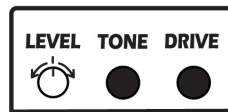
## Operation

① Make all the necessary connections, then set the controls on the panel as shown below.

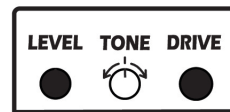
② Press the true bypass switch ⑧ and make sure the check indicator lights ②.



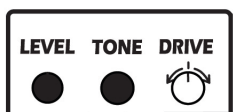
③ Adjust the level control knob ③. Rotating the knob clockwise increases the volume of overdrive while rotating it counterclockwise decreases it.



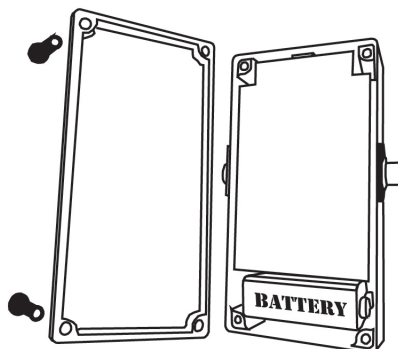
④ Adjust the tone control knob ⑤. Rotating the knob clockwise adds bite to the sound or makes it mellower.



⑤ Adjust the drive control knob ④. Rotating the knob clockwise increases the overdrive while rotating it counterclockwise decreases it.



## Battery Replacement



\*. Loosen the bottom screws on the pedal to open it  
\*. Take out the battery from the chassis and disconnect the battery snap.

\*. Connect a new battery to the battery snap, and replace the battery into the chassis. (make sure that the polarity of the battery is correct)

\*. Insert the bottom screws and firmly tighten the screws.

\*. Do not release the PCB module down, or the warranty will be void.

SSAUDIO

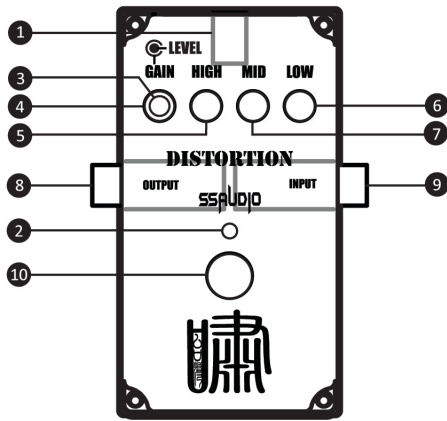
Sonic System Application, Inc

## Instruction

Thank you for purchasing for the ssaudio Distortion . To make the best use of the Distortion , please read the instruction carefully.

- \*. True Bypass circuit is designed.
- \*. The Distortion includes a three band equalizer, Low, Middle and High.
- \*. The Distortion covers a lot of music style due to the largest gain range and greatest EQ.
- \*. Analog circuit designed gives a good quality of distortion.
- \*. Exclusive patent of high gain oscillation coupling eliminated.

## Panel Description



### 1 AC Adaptor Jack

Connect an AC adaptor (ssaudio SSA-DVE) to this Jack

\*. Be sure to use a ssaudio AC adaptor SSA-110~240. Use of any type may cause damage or malfunction.

### 2 Check Indicator

This LED lights when the effect is turned on, and therefore can be used as an effect on / off indicator.

\*. The Check Indicator also serves as battery check. When the LED becomes dim or doesn't light at all, battery replacement is required.

### 3 Level Control Knob

This knob adjusts the volume of the effect sound. No sound will be heard when this knob is rotated completely counterclockwise.

### 4 Gain Control Knob

This knob controls the gain of the distortion. Rotating the knob clockwise increases the distortion gain.

### 5 High Frequency Control Knob

This knob controls the tone of the effect sound at high frequency. Rotating the knob clockwise boosts the high frequency, while rotating it counterclockwise cuts the high frequency. The range of high frequency control is 30dB.

### 6 Low Frequency Control Knob

This knob controls the tone of the effect sound at low frequency. Rotating the knob clockwise boosts the low frequency, while rotating it counterclockwise cuts the frequency. The range of low frequency control is 30dB.

### 7 Middle Frequency Control Knob

This knob controls the tone of the effect sound at middle frequency. Rotating the knob clockwise boosts the middle frequency, while rotating it counterclockwise cuts the frequency. The range of middle frequency control is 30dB.

### 8 Output Jack

Connect an amplifier or other effect unit to this jack.

### 9 Input Jack

Connect an electric guitar to this jack

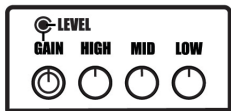
\*. Be sure to disconnect the plug from this jack when the unit is not being used.

### 10 True Bypass Switch

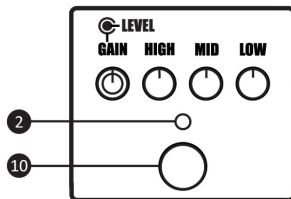
Pressing the true bypass switch turns the effect on or changes to the true bypass circuit.

## Operation

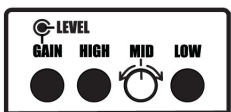
① Make all the necessary connections, then set the controls on the panel as shown below.



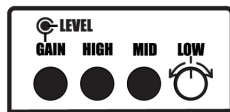
② Press the true bypass switch ⑩ and make sure the check indicator lights ②.



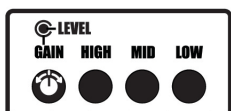
⑤ Adjust the middle frequency control knob ⑦ Rotating the knob clockwise boosts the middle frequency while it counterclockwise cuts them.



⑥ Adjust the low frequency control knob ⑥. Rotating the knob clockwise boosts the low frequency while it counterclockwise cuts them.



⑦ Using ③ the level control knob, adjust the volume of the effect sound you wanted.



## Specifications

Controls: Pedal switch, Level, Gain, High frequency, Middle frequency, Low frequency

Indicator: Check indicator(serves also as battery check indicator)

Connectors: Input Jack, Output Jack, AC Adaptor Jack

Input Impedance: 500k ohm

Output Impedance: 100 ohm

Power Supply: DC 9V, Dry battery (6F22/9V), AC Adaptor (SSA-DVE: Option)

Current Draw: 10mA

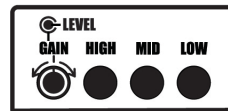
Dimensions: 60(W) x 110(D) x 30(H) mm

Weight: 234g (include battery)

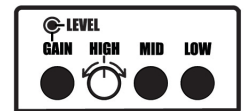
Accessories: Instruction, Battery 6F22/9V (Carbon)

Option : AC Adaptor (SSA-DVE)

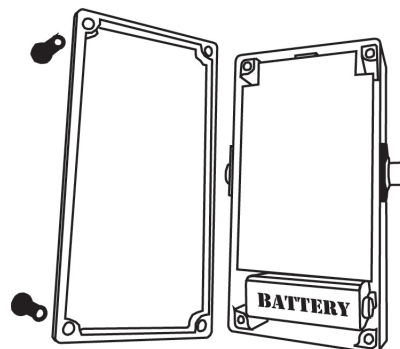
③ Adjust the gain control knob ④. Rotating the knob clockwise increases the distortion gain while rotating it counterclockwise decreases it.



④ Adjust the high frequency control knob ⑤. Rotating the knob clockwise boosts the high frequency while it counterclockwise cuts them.



## Battery Replacement



- \*. Loosen the bottom screws on the pedal to open it
- \*. Take out the battery from the chassis and disconnect the battery snap.

- \*. Connect a new battery to the battery snap, and replace the battery into the chassis. (make sure that the polarity of the battery is correct)

- \*. Insert the bottom screws and firmly tighten the screws.
- \*. Do not release the PCB module down, or the warranty will be void.



## Instruction

Thank you for purchasing for the ssaudio Chorus 水世界 . To make the best use of the Chorus 水世界 , please read the instruction carefully.

\*. True Bypass circuit is designed.

\*. Analog modulation circuit designed gives a good quality of Chorus.

\*. Chorus 水世界 is designed for all kinds of guitars and musical equipment with pickup.

## Specifications

Controls: Pedal switch, Mix, Depth, Rate

Indicator: Check indicator(serves also as battery check indicator)

Connectors: Input Jack, Output Jack, AC Adaptor Jack

Input Impedance: 500k ohm

Output Impedance: 10k ohm

Power Supply: DC 9V, Dry battery (6F22/9V),  
AC Adaptor (DSA-12PFA-09 or equivalent)

Current Draw: 6mA

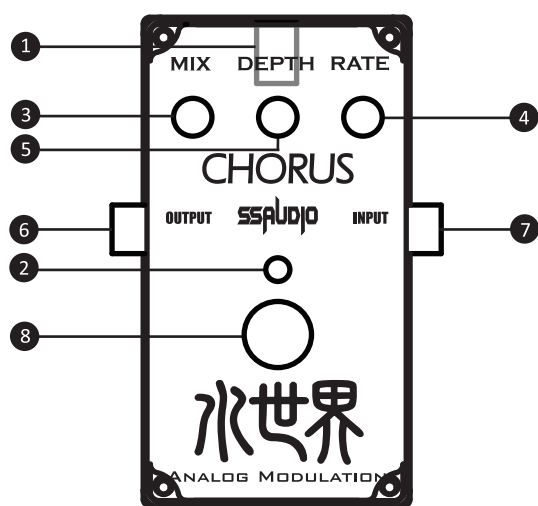
Dimensions: 60(W) x 110(D) x 30(H) mm

Weight: 238g (include battery)

Accessories: Instruction, Battery 6F22/9V (Carbon)

Option : AC Adaptor (DSA-12PFA-09 or equivalent)

## Panel Description



### ① AC Adaptor Jack

Connect an AC adaptor (DSA-12PFA-09 or equivalent) to this Jack

\*. Be sure to use a ssaudio AC adaptor. Use of any other type may cause damage or malfunction.

### ② Check Indicator

This LED lights when the effect is turned on, and therefore can be used as an effect on / off indicator.

\*. The Check Indicator also serves as battery check. When the LED becomes dim or doesn't light at all, battery replacement is required.

### ③ Mix Control Knob

This knob adjusts the mix between the chorus and original sound. No chorus will be heard when this knob is rotated completely counterclockwise.

### ④ Depth Control Knob

This knob controls the depth of the chorus. Rotating the knob clockwise increases the depth of chorus

### ⑤ Rate Control Knob

This knob controls the rate of the effect sound. Rotating the knob clockwise adds the rate to the chorus or decrease the chorus rate

### ⑥ Output Jack

Connect an amplifier or other effect unit to this jack.

### ⑦ Input Jack

Connect an electric guitar to this jack

\*. Be sure to disconnect the plug from this jack when the unit is not being used.

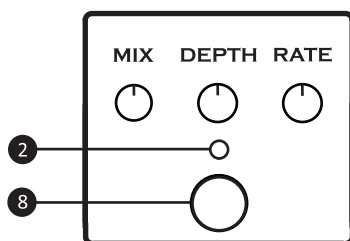
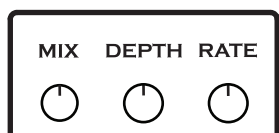
### ⑧ True Bypass Switch

Pressing the true bypass switch turns the effect on or changes to the true bypass circuit.

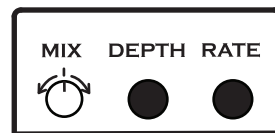
## Operation

① Make all the necessary connections, then set the controls on the panel as shown below.

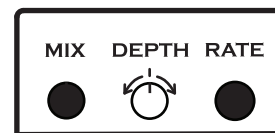
② Press the true bypass switch ⑧ and make sure the check indicator lights ② .



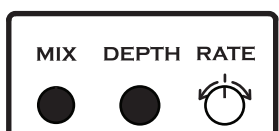
③ Adjust the mix control knob ③ . Rotating the knob clockwise increases the mix of chorus while rotating it counterclockwise decreases it.



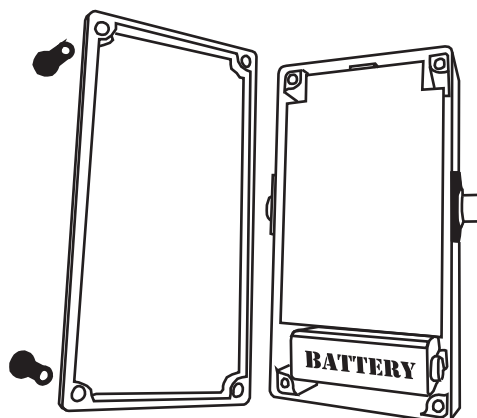
④ Adjust the depth control knob ④ . Rotating the knob clockwise adds depth to the chorus or decrease it.



⑤ Adjust the rate control knob ⑤ . Rotating the knob clockwise increases the chorus rate while rotating it counterclockwise decreases it.



## Battery Replacement



\*. Loosen the bottom screws on the pedal to open it

\*. Take out the battery from the chassis and disconnect the battery snap.

\*. Connect a new battery to the battery snap, and replace the battery into the chassis. (make sure that the polarity of the battery is correct)

\*. Insert the bottom screws and firmly tighten the screws.

\*. Do not release the PCB module down, or the warranty will be void.



## Instruction

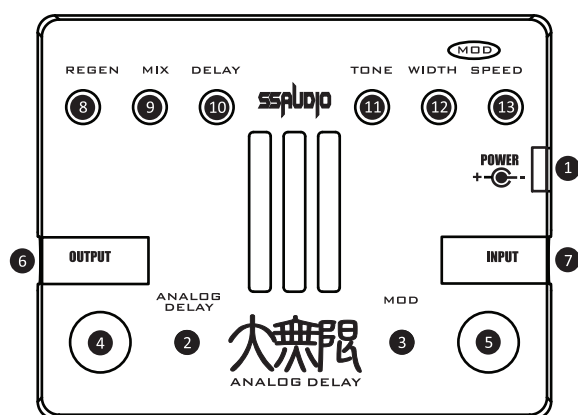
Thank you for purchasing for the SSAUDIO Analog Delay. To make the best use of the Analog Delay, please read the instruction carefully.

- \*. Analog Modulation built inside
- \*. True Bypass circuit
- \*. SSAUDIO new circuit design for infinite delay loop
- \*. Long time delay for 1 sec
- \*. Built in Tone tuner fir tuning tone of delay loop
- \*. Compressor for delay loop built inside
- \*. Vacuum tube ECC83 provides warm and natural sounds
- \*. SSAUDIO analog delay is suitable for each electrical instrument such as electrical guitar/violin/bass etc.

## Specifications

Controls:	Delay switch, Mod switch, Regen, Mix, Delay, Tone Width, Speed
Indicator:	Delay indicator, Mod indicator
Connectors:	Input Jack, Output Jack, AC Adaptor Jack
Input Impedance:	500k ohm
Output Impedance:	10k ohm
Power Supply:	AC Adaptor (SSAUDIO AC2DC-series or equivalent)
Current Draw:	under 120mA
Dimensions:	125(W) x 100(D) x 55(H) mm
Weight:	under 400g
Accessories:	Instruction, SSAUDIO ECC83 vacuum tube
Option :	SSAUDIO AC2DC-series

## Panel Description



### 1 AC Adaptor Jack

Connect an AC adaptor (SSAUDIO AC2DC-series or equivalent) to this Jack  
\*. Be sure to use a SSAUDIO AC adaptor. Use of any other type may cause damage or malfunction.

### 2 Analog Delay Indicator

This LED lights when the effect is turned on, and therefore can be used as effect on / off indicator.

### 3 Modulation Indicator

In Delay turned-on mode, this LED on/off indicates that the Modulation function turned on/off respectively.

### 4 Delay Switch

Turn on this switch to active Delay function. In turn-off mode, signal will bypassed form input to output directly.

### 5 Modulation Switch

In Delay turned-on mode, turn on the switch to active Modulation function. Without turning on delay function, Modulation switch is non-functional.

### 6 Output Jack

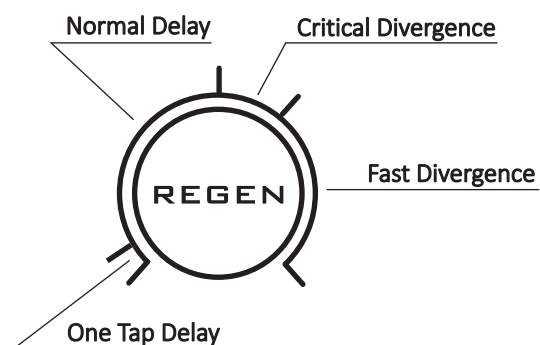
Connect an amplifier or other effect unit to this jack.

### 7 Input Jack

Connect an electric guitar to this jack.

### 8 Regen Control Knob

This Knob control feedback gain of delay loop. There are three gears when controlling the Regen.



#### Gear 1 One Tap Delay:

In this gear, there will be one tap delay

#### Gear 2 Normal Delay:

In this gear, there will be the normal delay. Delay tap will converge.

#### Gear 3 Critical Divergence:

In this gear, delay will tap infinitely. In this range of gear 3, the infinite singularity will be unique in each analog delay pedal.

#### Gear 4 Fast Divergence:

In this gear, delay tap will go to infinite loop. And the internal state of analog delay will diverge. It sounds like a techno signal form DJ synthesizer.

### 9 Mix Control Knob

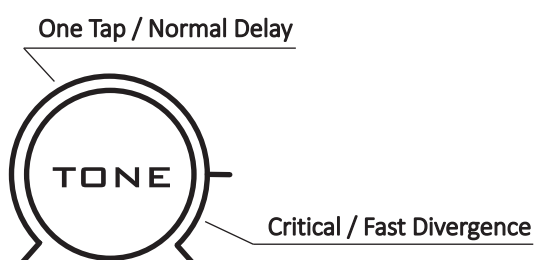
This knob controls the mix level of delay tap. Rotating the knob clockwise will add the level of delay tap.

### 10 Delay Control Knob

This knob controls the delay time of analog delay loop. The max time distance is 1 sec.

### 11 Tone Control Knob

This knob controls the tone of delay tap. There are two gears when controlling the tone.



#### Gear 1 Tone for One Tap / Normal Delay:

In this gear, rotating the knob clockwise will control the tone of delay from warm to bright.

#### Gear 2 Tone for Critical / Fast Divergence:

It's designed a extremely bright tone to set diverged tap distorted.

### 12 Width Control Knob

In the modulation mod, the width knob controls the amplitude of LFO signal. Rotating the knob clockwise will increase the modulation width.

### 13 Speed Control Knob

In the modulation mod, the width knob controls the frequency of modulation. Rotating the knob clockwise will increase the modulation frequency.