

# MOOER

# REECHO PRO

## Owner's Manual

### Precautions

#### PLEASE READ CAREFULLY BEFORE PROCEEDING

##### Power Supply

Please connect the designated AC adapter to an AC outlet of the correct voltage.

Please be sure to use only an AC adapter which supplies 9V ( $\pm 10\%$ ) DC, center minus. The maximum working voltage shall not exceed 12V, otherwise may be dangerous equipment damage, fire or other problems. Unplug the AC power adapter when not using or during electrical storms.

##### Connections

Always turn off the power of this and all other equipment before connecting or disconnecting, this will help prevent malfunction and / or damage to other devices.

Also make sure to disconnect all connection cables and the power cord before moving this unit.

##### Cleaning

Clean only with a soft, dry cloth. If necessary, slightly moisten the cloth. Do not use abrasive cleanser, cleaning alcohol, paint thinners, wax, solvents, cleaning fluids, or chemical-impregnated wiping cloths.

##### Interference with other electrical devices

Radios and televisions placed nearby may experience reception interference.

Operate this unit at a suitable distance from radios and televisions.

##### Location

To avoid deformation, discoloration, or other serious damage, do not expose this unit to the following conditions:

- Direct sunlight
- Heat sources
- Magnetic fields
- Extreme temperature or humidity
- Excessive dusty or dirty location
- High humidity or moisture
- Strong vibrations or shocks

##### FCC certification

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

### Main Features

- By using a high performance floating-point DSP chip, no tone loss is ensured
- Five delay modes, three effect modes
- Looper mode allows the creation of layered performances with multiple loops
- Preset function, store one preset with your favorite delay settings and have the possibility to recall it anytime
- Tap tempo button, synchronize delay times by tapping the pedal twice with your desired delay speed
- Twin switch design ensures easy tone switching during live performances
- Stereo or mono operation, ping pong delay switch. 2-in / 2-out connections
- True bypass or buffered bypass switch

### Effects Explanation

#### DELAY MODE

**Digital:** Quality standard digital delay.

**Analog:** Quality standard analog delay.

**Real Echo:** Delay owns the perfect feedback, and the timely and long feedback will also supply you a smooth delay.

**Tape Echo:** Supply a Bandwidth, which is the same with the real tape delay.

**Tube Echo:** Provide warmer tube delay, tone sounds more soft and smooth.

**Galaxy:** Add Slow pronunciation effect to the delay signal, cut the sound head of the effect sound.

#### EFFECT MODE

**Normal:** Do not add any effect on the delay.

**Mod:** Add chorus to the delay effect.

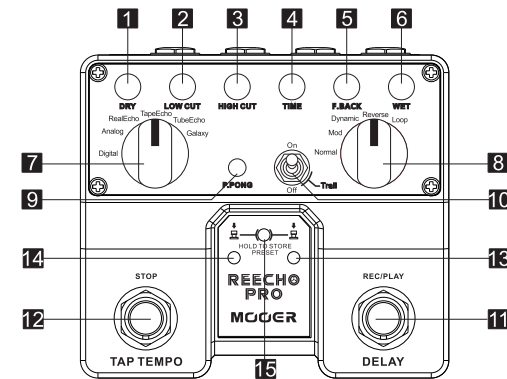
**Dynamic:** Dynamic delay, the sound of which is low while playing, but high in pause.

**Reverse:** Simulates the effect of a tape being played in reverse.

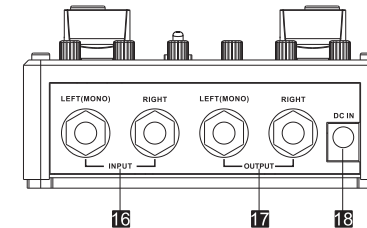
#### LOOP MODE

**Loop mode:** 20 seconds of audio recording. Unlimited layers and independent input and recording volume levels.

### Panel Instruction



1. **DRY Knob:** Adjusts the volume of the original signal.
2. **LOW CUT Knob:** Adjusts the low frequency of the delay.
3. **HIGH CUT Knob:** Adjusts the high frequency of the delay.
4. **TIME Knob:** Adjusts the time of the delay.
5. **F.BACK Knob:** Adjusts the feedback of the delay.
6. **WET Knob:** Adjusts the level of the delay.
7. **DELAY Type Knob:** Choose from six types of delay.
8. **EFFECT Type Knob:** Choose from four types of effect (including loop).



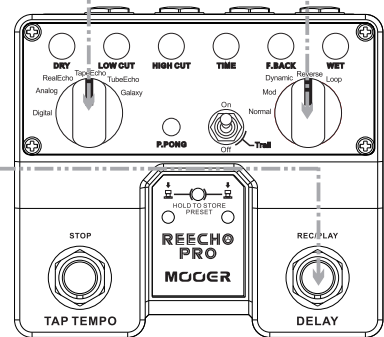
9. **P.PONG Switch:** The delay signal alters with each repeat from left to right outputs, resulting in a wider stereo sound.
10. **TRAIL ON/OFF Switch:** Cuts the last repeats when the pedal is bypassed or lets them decay naturally.
11. **DELAY Effect Footswitch:** Turns on and off the delay.
12. **TAP TAMPO Footswitch:** Adjusts the delay speed, the time between pressing this footswitch twice will be set as the delay time.
13. **DELAY ON/OFF LED:** When it's lit up the delay effect is on.
14. **TAP TAMPO ON/OFF LED:** According to delay speed.
15. **PRESET LED:** When using or storing the preset tone, the LED lit up.
16. **INPUT Jacks:** Two 1/4" input signal jacks for stereo sounds.
17. **OUTPUT Jacks:** Two 1/4" output signal jacks for stereo sounds.
18. **DC IN Power Jack:** For power supply, use a 9-volt DC regulated AC adapter (plug polarity is positive on the barrel and negative in the center, greater than 300 mA).

## Operating Instructions

Use the Delay Effect Knob to add effects to the delay sound, or enter the Looper mode.

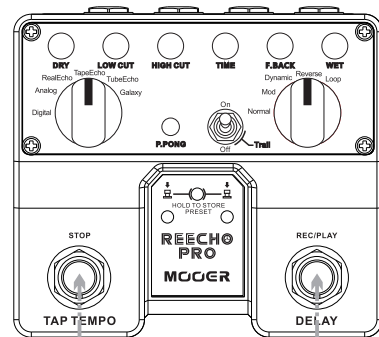
Use the Delay Mode Knob to select the type of delay. Then use the six knobs on top of the pedal to adjust the delay parameters.

The power adapter of the pedal is connected correctly; depress the switch to open the delay.



### Recording loop function:

1. Select Loop with the Delay Effect Knob to enter Looper Mode.
2. Press the DELAY Footswitch (REC/PLAY) to start recording, the left side indicator will light up and start flashing. Press the footswitch again to begin playback and the LED will stop flashing. By pressing the DELAY Footswitch during playback you can record and layer more loops on top of each other. Press The TAP TEMPO (STOP) Footswitch to stop the sound. Press it and hold it for a few seconds to delete all recordings.
3. In LOOP mode, DRY knob to adjust the input volume; WET knob to adjust the recording volume.



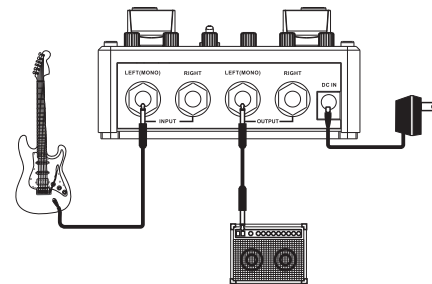
### PRESET STORAGE:

1. Press and hold the two Footswitches simultaneously to store the current parameters (Preset LED will blink rapidly for 2 seconds and then it will return to display state).
2. Press the two Footswitches rapidly to enter or exit Preset Mode. If the preset LED is lit up in the Preset Mode, the adjustment parameters are invalid.

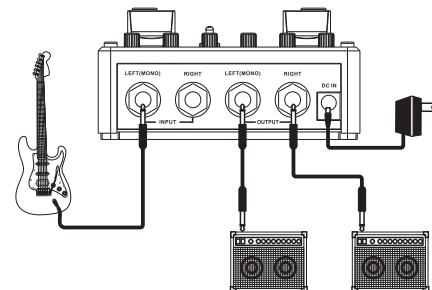
\* **Note:** Trail on is Buffered bypass, Trail off is True bypass.

## Connection diagram

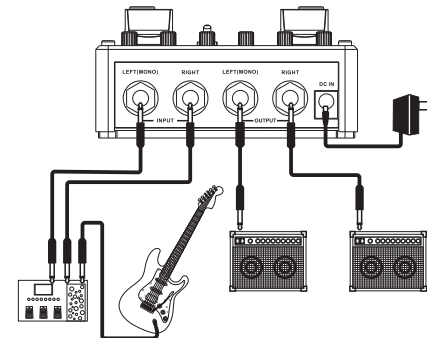
### 1. Mono Connection



### 2. Stereo connection mode, can use P.PONG effect

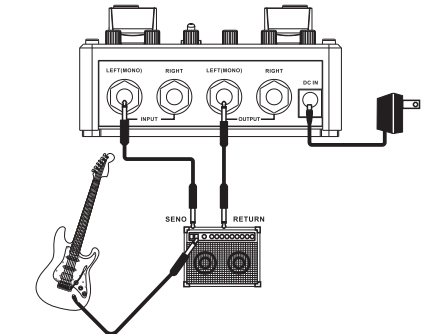


### 3. The dual input and output connections



Can use the dual output channel connection of multi-effects, or MOOER Micro ABY MK II.

### 4. Connected to FX loop



## Specification

**Delay Modes:** Digital, Analog, Real Echo, Tape Echo, Tube Echo, Galaxy  
**Effect Modes:** Normal, Mod (Modulated), Dynamic, Reverse, Loop  
**Input:** Two 1/4" jacks (impedance: 1M Ohms)  
**Output:** Two 1/4" jacks (impedance: 100 Ohms)  
**Sampling Rate:** 44.1k  
**Sampling Accuracy:** 32bit  
**Power Requirements:** AC adapter 9V DC (center minus plug)  
**Current Draw:** 210mA  
**Dimensions:** 106mm (D) x 96mm (W) x 53mm (H)  
**Weight:** 440g  
**Accessories:** Owner's Manual

\* *Disclaimer: Any specification's update won't be amended in this manual.*

## Troubleshooting

- Make sure that the power adapter is suitable for this pedal. If not using the correct power adapter, the pedal does not work or arises other abnormality circumstances (9V DC 500mA external negative; internal positive).
- After connecting the power supply, it takes three seconds for the DSP chip to initialize, then the pedal will be in correct working conditions.
- Check all the connections are correct, if they are reversed or improperly connected it will result in no output or volume attenuation, for details please refer to the Connection Diagram.

# MOOER

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