


Pitch bend


This is a Pitch shifter that uses the pedal to control the pitch.

 If you use this effect in a program where the **MODULATION** effect block is on, the **MODULATION** effect block will automatically be turned off.

PITCH BEND	“P BEND”
Knob 1 TIME	Adjust the delay time.
Knob 2 FEEDBACK	Adjust the amount of feedback (delay repeats).
Knob 3 PITCH	Adjust the amount of pitch change.
Knob 4 FINE	Make fine adjustments to the amount of pitch change.
Knob 5 MIX	Adjust the mix amount of the effect. With a setting of 10, only the effect sound will be output.

Ring modulator


This effect multiplies the original sound with a sine wave to produce bell-like effects. The cleanest results will be produced if you use the neck pickup of your guitar, turn down the tone, and pluck the string near the twelfth fret.

 If you use this effect in a program where the **MODULATION** effect block is on, the **MODULATION** effect block will automatically be turned off.

RING MOD	“RINGMOD”
This is a ring modulator that lets you use the pedal to control the frequency.	
Knob 3 PITCH	Adjust the tone when the pedal is advanced.

Delay


These effects mix a time-delayed sound with the original sound to add depth and spaciousness to the sound.

 If you use this effect in a program where the **AMBIENCE** effect block is on, the **AMBIENCE** effect block will automatically be turned off.

HOLD DELAY “HOLDDLY”
This will normally function as a delay, but when the pedal is advanced all the way forward to press the switch, the pedal LED will light and the sound will be held (the delay sound will continue to be heard). Since you can use the pedal to control the input level to the delay, you can easily produce special effects such as sound-on-sound.

TAP DELAY	“TAP DLY”
This is a tap tempo delay that allows you to set the delay tempo by pressing the pedal switch twice. While the tempo is being specified, the pedal LED will light.	
Knob 1 TIME	Adjust the delay time.
Knob 2 FEEDBACK	Adjust the feedback amount (delay repeats).
Knob 3 TONE	Adjust the tone of the effect sound.
Knob 4 _____	_____
Knob 5 MIX	Adjust the mix amount of the effect sound.


Sample and play

 If you use this effect in a program where the **AMBIENCE** effect block is on, the **AMBIENCE** effect block will automatically be turned off.


SAMPLE&PLAY “S+PLAY”


This allows approximately 8 seconds of recording. By using the reverse setting, you can produce special “scratch” effects.

1. Press the expression pedal all the way to enter record-ready mode. The pedal LED will blink.
2. Play a phrase etc. on your guitar. Recording will begin automatically, and the pedal LED will light.
3. When the recording time specified by **TIME** has elapsed, recording will end and the pedal LED will not be lit. Alternatively, you can stop recording before the specified recording time has elapsed by pressing the pedal all the way (i.e., pressing the pedal switch).
To re-do the recording, repeat the procedure from step 1.

 During recording, you can also return the pedal and then press it again to stop recording and begin playback.

4. Operate the expression pedal. When you advance the pedal, the recorded phrase will playback. If you have set **REVERSE** to **x1—x8**, returning the pedal will cause the sound to playback in reverse at the specified speed. If you set **REVERSE** to **OFF**, the sound will only playback forward. With a setting of **LP1** or **LP2**, advancing the pedal will playback the sound as a repeating loop. When you return the pedal and then advance the pedal again, playback will begin from the beginning.

 Recording will not begin unless you play your guitar louder than the threshold.

 The recording sound will be erased when you enter Phrase Trainer mode or when you turn off the power.

Knob 1 TIME	Specify the sample time (recording time).
Knob 2 REVERSE	OFF : When you press the pedal, the sound will playback to the end and then stop. x1—x8 : Press the pedal to playback, and return the pedal to playback in reverse. LP1 : Press the pedal to playback as a loop, and return the pedal to stop. LP2 : Press the pedal to playback as a loop, and return the pedal to playback to the end and then stop.
Knob 3 _____	_____
Knob 4 _____	_____
Knob 5 MIX	Adjust the output level of the sampled sound.