

Setting up your Rainbow Machine can be kind of tricky. Here are some suggested settings to start with:

Setting: 3rd up Magic: Off

Secondary

Pitch

Primary

Magic

Tone

Tracking

Setting: 4th Down Magic: Off

Secondary

Pitch

Primary

Magic

Tone

Tracking

Setting: 3rd Up with octave of Primary Magic: Off (one example of how to use the Secondary octave feature)

Secondary

Pitch

Primary

Magic

Tone

Tracking

Setting: Atonal Chorusing Magic: Off (adjust the pitch in this setting for different variations)

Secondary

Pitch

Primary

Magic

Tone

Tracking

Setting: Ascending Pitch Magic: On (adjust the pitch to center for slow descending chorus, slightly left of center for descending pitch dives)

Secondary

Pitch

Primary

Magic

Tone

Tracking

Setting: Pixie Dust Trails Magic: On (adjust the tracking and pitch to make it more or less intense)

Secondary

Pitch

Primary

Magic

Tone

Tracking

Your Favorites

Setting: Magic:

Secondary

Pitch

Primary

Magic

Tone

Tracking

Setting: Magic:

Secondary

Pitch

Primary

Magic

Tone

Tracking

Setting: Magic:

Secondary

Pitch

Primary

Magic

Tone

Tracking

Setting: Magic:

Secondary

Pitch

Primary

Magic

Tone

Tracking



Hey buddy, welcome to your new Rainbow Machine! The Rainbow Machine is a polyphonic harmonizing modulation machine. It takes modern DSP and uses it as a tool of future past to create real time pitch shifting using digital oscillators. The sound is much different than most modern day pitch shifting devices. It was imagineered to be wild and out of control and slightly imperfect while still tracking up and down the guitar neck without glitching out. A cold digital beast made to pretend it has feelings. It will do basic polyphonic harmonies from a 4th down through a 3rd up and every atonal pitch in between. You may add in an accompanying octave to the harmony by bringing up the Secondary function control. You can take it way beyond and open up your third eye by bringing in the Magic. The Magic is the heart of the Rainbow Machine. In conjunction with the Tracking control, the Magic creates wild pitch take offs and descend's, chaos chorusing, shrieks, pixie trails, groans, gurgles, briggles, bruggles, bridals and other general mayhem. An amazering machine of wizard blessed wizardry. A device of signal transformation and imminent destruction. Totally not for purists and/or tone hounds.

The Rainbow Machine is true bypass with an all analog dry signal path. It is made by hand in a basement in Akron, Ohio.

See reverse side for suggested settings.

Visit www.EarthQuakerDevices.com for contact, warranty and other useful information.

Controls

Pitch- This controls the pitch of the harmony. All the way counter clockwise is a 4th down, all the way clock wise is a 3rd up. The middle position is unison. The pitch can be controlled by an expression pedal as well.

Exp- This is an expression pedal control jack for the pitch. The Pitch control is defeated when an expression pedal is inserted.

Primary- This controls the volume of the Primary pitch shifted signal. Unity is about 2 O'clock, anything above will boost the signal.

Secondary- This controls the volume of the secondary pitch shifted signal. The Secondary signal is one octave above the Primary from noon up and one octave below from noon back. Unity is about 2 O'clock, anything above will boost the signal.

Tracking- This controls the amount of lag time between the direct dry signal and the shifted wet signal. The pitch shifted signal will track right on the dry signal when this control is all the way clockwise. It will start to lag behind the more it is reduced. This function is especially useful when the "Magic" is engaged.

Magic- This adjusts the "weirdness" of the effect. The end result is a wide variety of wild effects depending on where the other controls are set. The magic control will only work if the magic switch is engaged and the primary and/or secondary are in use. (Technically, it's a regeneration control that creates aliasing between a mix of the primary and secondary functions feeding back against each other.)

Tone- All the way clockwise is full signal, reduce to soften the highs.

Switches

Activate- This is the bypass switch.

Magic- This turns the magic on or off. It is a jolt to the system so a "pop" will be fairly common. The sound is not as obvious when engaging the magic while playing. It can be reduced by clicking the switch on and off a few times prior to use.

Power

The Rainbow Machine does not use batteries. It requires an industry standard negative center, 2.1mm barrel, regulated 9v power supply.