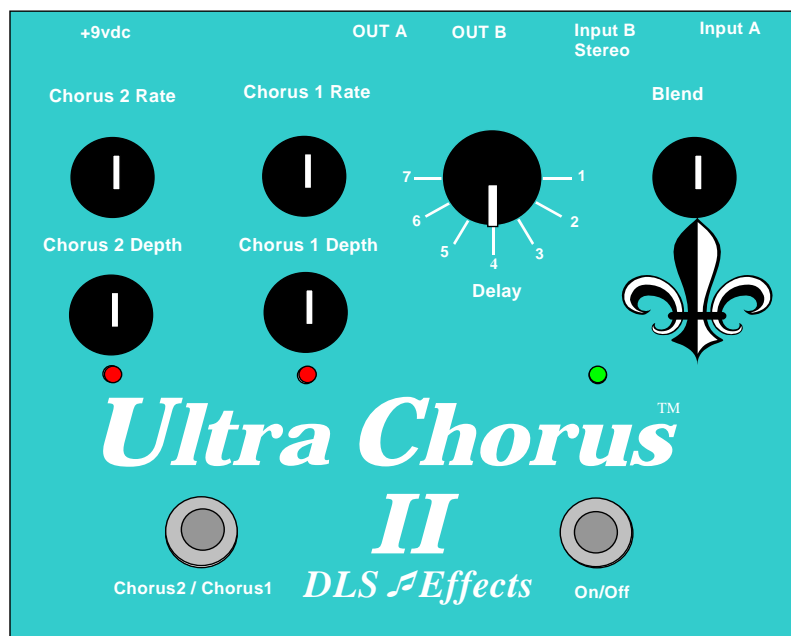


Ultra Chorus^{II} User Manual By DLS *♯* Effects



DLS has once again designed one of the *warmest* chorus effects in the industry! The *Ultra ChorusII* is two chorus units in one. The musician can preset both chorus channels and switch between the two on the fly! A Blend control allows the musician to mix as much analog instrument with our wonderful chorusing sound. As with all DLS Effects, the analog instrument always stays analog! Choose from any hookup option (*Mono in-Mono Out*, or *Mono in-Stereo Out*, or *Stereo in-Stereo Out*). Internal trim pots allow the musician to dial in levels of InputA-OutputA, InputB-OutputB, and Chorus Regeneration (Regen) to taste. The *Ultra ChorusII* is truly one of the sweetest sounding and most powerful chorus effects on the market today. It's quiet, pristine, versatile, and allows the musician to dial in the sound they are after. DLS effects are extremely well constructed using a heavy steel enclosure, steel switches, steel pots, and a beautiful powder coating to withstand every road environment.

Features:

- **Blend:** Controls the blending of Chorus effects with straight instrument (straight instrument stays analog)
- **Chorus1 Rate, Chorus1 Depth:** Controls rate and depth of Chorus 1 section
- **Chorus2 Rate, Chorus2 Depth:** Controls rate and depth of Chorus 2 section
- **Chorus1 LED:** *Blinks at to the Chorus1 Rate*
- **Chorus2 LED:** *Blinks at to the Chorus2 Rate*
- **Chorus2/Chorus1 Footswitch:** Selects between Chorus 2 and Chorus 1 sections
- **Delay Scale:** 7 delay selections to widen or narrow the chorusing sound
- **Two inputs and two outputs for :** *Mono in-Mono Out, or Mono in-Stereo Out, or Stereo in-Stereo Out (all ¼" steel jacks)*
- **True Bypass On/Off Switch:** *Engages the effect when On (green LED will light), True bypass when Off.*
- **Internal INA Pot:** *Adjusts the gain level of Input A*
- **Internal OUTA Pot:** *Adjusts the volume of OUTA*
- **Internal INB Pot:** *Adjusts the gain level of Input B*
- **Internal OUTB Pot:** *Adjusts the volume of OUTB*
- **Internal CHORUS REGEN Pot:** *CCW for swirly chorus, CW for dry chorus*
- **9vdc input, any polarity (Worry free if using your 9volt pedal board supply)**
- **9vdc transformer included**
- **All steel enclosure, steel pots, and steel jacks**
- **Analog instrument signal is mixed with the Chorus effect.**

Electronics:

Technology: Custom hybrid consisting of analog circuitry combined with and 16bit digital electronics. This unique circuitry has allowed the *warmth* of analog to be blended with the *power* of digital!

Sample rate: 44.1KHZ, 256x over sample

Power: 9vdc, 130ma, 2.1mm jack (DC adapter included)

*Our internal circuit will accommodate any polarity of input jack.

Outputs: Output A (Normal)
Output B (Slightly Brighter sound)

Mechanical:

Enclosure: Solid heavy gauge steel
5.5"W x 4.9"D x 2.4"H

Weight: 2½ lbs.

Operation:

Power Up: The Ultra Chorus II powers up using the Chorus1 channel. The red LED will blink according to the rate Chorus1 is set to.

Switching to Chorus1 and Chorus2: Simply push and release the Chorus2/Chorus1 switch and the effect will toggle between Chorus1 and Chorus2 channels. The appropriate LED will light and blink for the active channel. The unused channel LED will un-light.

Delay: The Delay 1-7 controls how wide or condensed the chorusing is. Delay setting 7 is the widest chorus down to Delay setting one is the most condensed chorus.

Note: As the delay setting gets higher (5, 6, 7), it may be necessary to reduce the Depth to 12:00 or less if pitch warble is not desired. If you want pitch warble, keep it past 12:00.

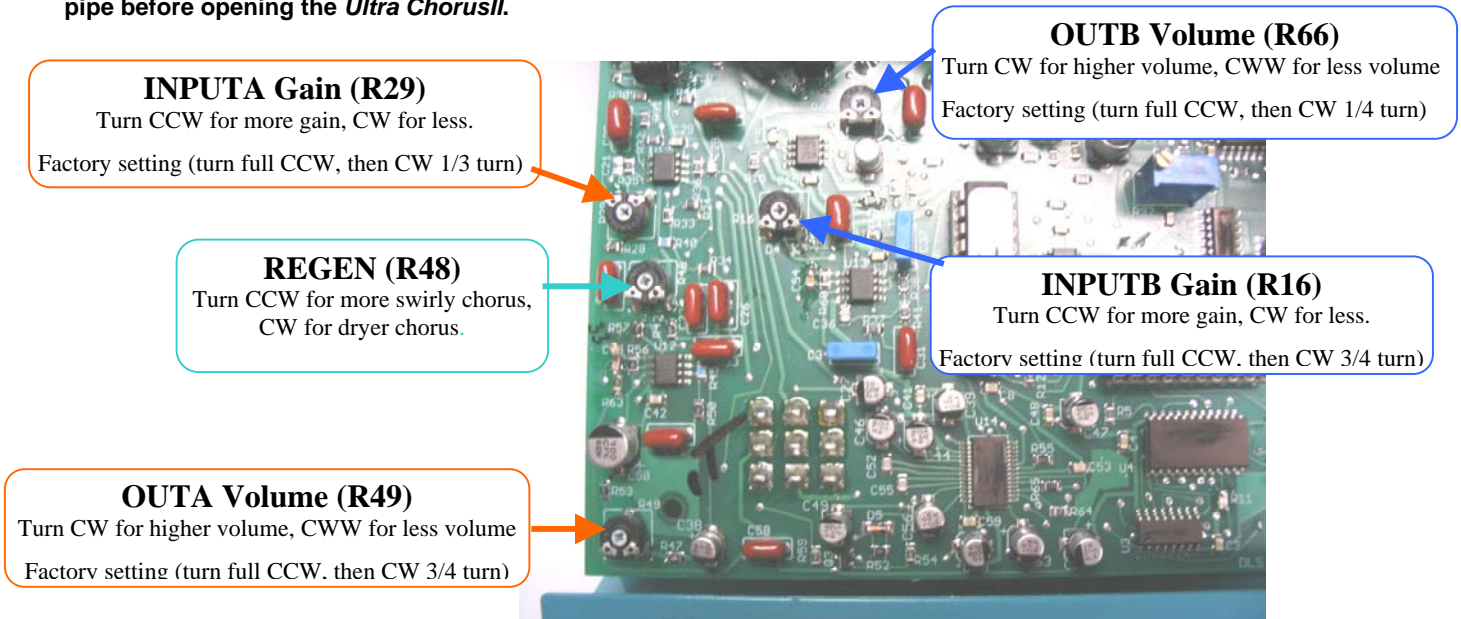
Chorus1 & Chorus2 Rate: This controls the speed of the chorusing sweep (Turn CW for faster speeds). Turn past 12:00 for Vibrato.

Chorus1 & Chorus2 Depth: This controls how deep and intense the chorusing is. (Turn CW to get deeper).

Note about OUTA & OUTB: Output A is designed to sound slightly different to Output B. Output B is slightly brighter. The musician can experiment with both outputs while the instrument is plugged into INA. This also gives a nicer stereo sound spread when used in stereo.

Internal Adjustments: InputA, InputB, OUTA, OUTB, REGEN(see below)

*****Warning*** Static can destroy electronic parts. Discharge yourself by touching a metal surface such as a water pipe before opening the *Ultra ChorusII*.**



Several settings are below (these just scratch the surface)

<p>Chorus 1 or 2 Rate Analog Chorus Blend</p> <p>Chorus 1 or 2 Depth</p> <p>Delay</p>	<p>Chorus 1 or 2 Rate Wide Sparking Chorus Blend</p> <p>Chorus 1 or 2 Depth</p> <p>Delay</p>	<p>Chorus 1 or 2 Rate Vibrato Blend</p> <p>Chorus 1 or 2 Depth</p> <p>Delay</p>
<p>Chorus 1 or 2 Rate Ultra Deep Chorus Blend</p> <p>Chorus 1 or 2 Depth</p> <p>Delay</p>	<p>Chorus 1 or 2 Rate Phaser tone Chorus Blend</p> <p>Chorus 1 or 2 Depth</p> <p>Delay</p>	<p>Chorus 1 or 2 Rate Note Bending Chorus Blend</p> <p>Chorus 1 or 2 Depth</p> <p>Delay</p>

**Note 1: Warning; proper grounding and electrical hookup are required when hooking up any electrical products. In-correct grounding can cause injury or even death. If in doubt concerning grounding or electrical hookup, consult with a qualified electrician or qualified dealer.