

Qi

ETHEREALIZER

INSTRUCTION MANUAL



The Qi Etherealizer (pronounced “chee ethereal-izer”), a collaborative creation with Yvette Young, is a multi-effects pedal that combines Chorus, Delay, Granular effects, and, of course, Reverb, into a creative playground for atmospheric exploration. Mix and match the chorus, delay, and grain and run in series or parallel to create your own inspiring universe of possibility in a stereo field. With the ability to save presets and bypass the chorus, delay, and grain controls, you can quickly and instantly change settings by simultaneously pressing the Bypass and Freeze stomp switches. Go from a traditional chorus with a little bit of delay, or go all in and let the Qi take over with unexplainable washes of glitchy and lush ambiance. Whatever your style is, the Qi will give it a new life.

9 volt DC, Center Negative · 300mA min*

*The use of an isolated power supply is recommended for powering all Walrus Audio Pedals. Daisy chain power supplies are not recommended.

Got questions or need a repair?

Email help@walrusaudio.com to talk with a real live human about your Walrus gear!

This product comes with a limited lifetime warranty.

[Click Here](#) for more info.



CONTROLS

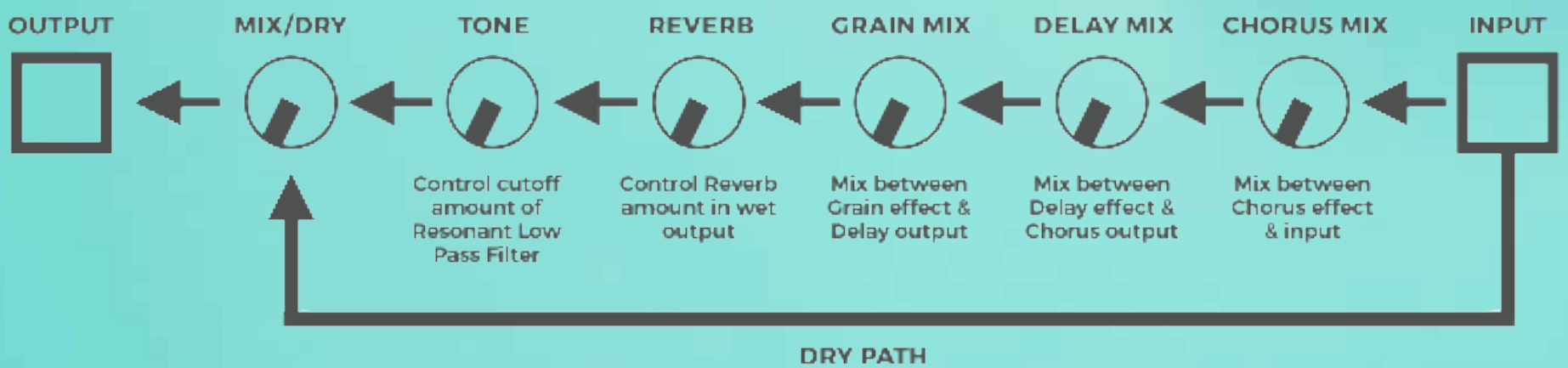
First, it's important to know that the Qi can run in series or parallel. Depending on which routing method you're using, each effect's Mix knob will work differently. Change the routing order by simply pressing the Flow button. The LED will tell you which one you've selected.

SERIES - In series, each effect feeds into the next, just as if they were separate pedals on a pedal board next to each other with a master reverb, filter, and wet/dry mix at the end.

In Series, the order of effects is:
Chorus > Delay > Grain > Reverb > Tone > Dry > Output

In Series mode, the **Mix / Dry knob** controls the mix between the Dry & Wet signal. At minimum, you will only hear the dry guitar signal. At maximum, you will only hear the wet (affected) signal.

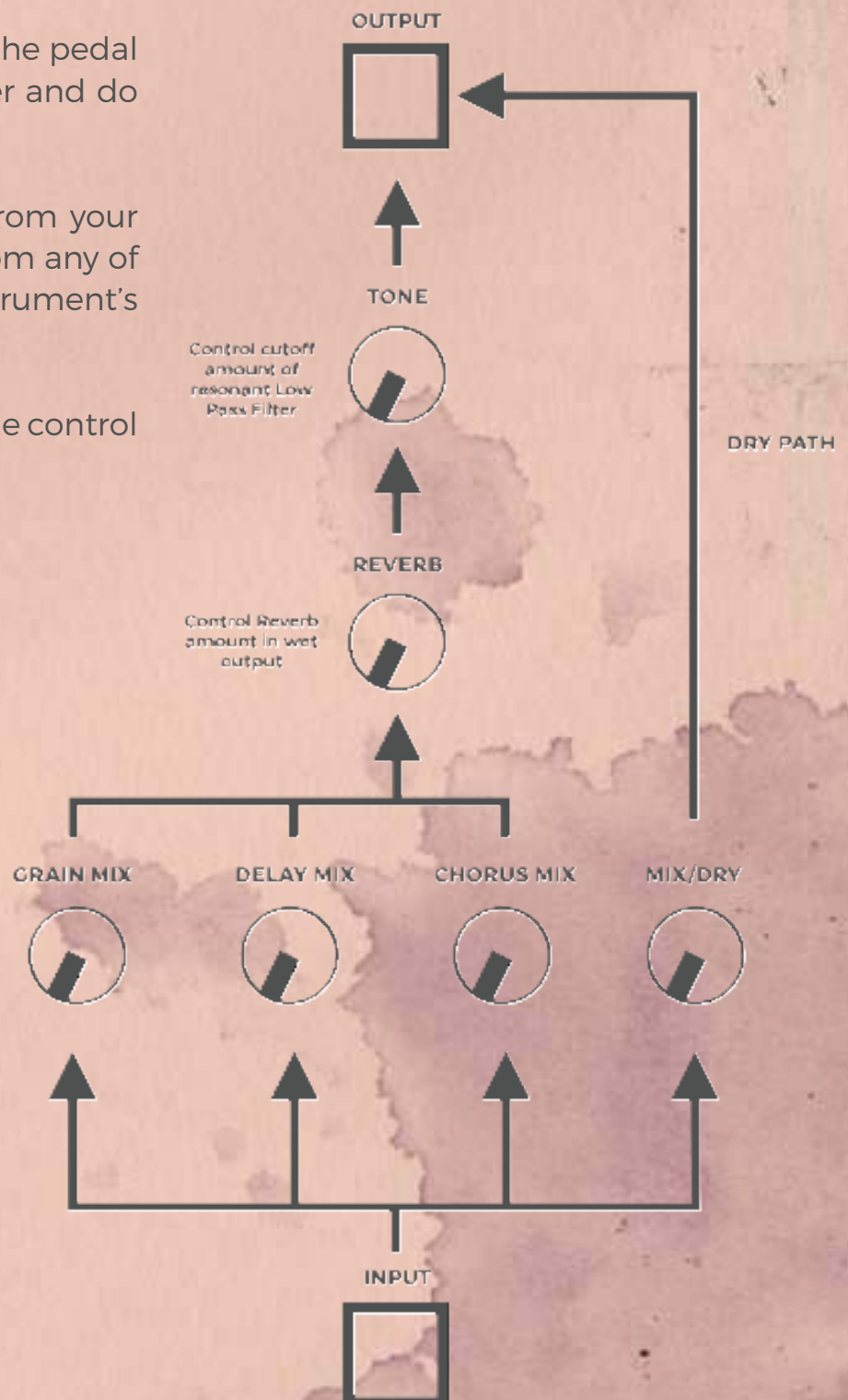
In Series mode, each effect's Mix knob performs a wet/dry mix between the processed signal and input signal to that effect.



PARALLEL - In parallel, each effect processes the dry input to the pedal separately. The individual effect outputs are summed together and do not feed into each other.

In Parallel mode, the **Mix / Dry knob** controls the dry level from your input signal. At minimum, you will only hear the wet signal from any of the effects that are currently activated. At maximum, your instrument's dry signal will be at unity.

In Parallel mode, each effect's Mix knob functions as a fader-style control setting the effect's output volume level.



CONTROLS

TONE: Controls the cutoff of a resonant low pass filter. Turning the knob counter-clockwise will remove higher frequencies from the wet effects.

SPACE: Smooths out the wet effects by applying a lush hall-style reverb. Go from small room sounds at minimum to large ambient sounds with long decays at maximum.

Note: The reverb will only apply to wet effects, not the dry signal.



CONTROLS & PROGRAMS

The Qi is equipped with a Chorus, Delay, and Grain Sampler. Each effect was lovingly and meticulously created to Yvette's preferences. The effects can be used independently, all together, or any combination with each other. Each effect can be turned on/off by pressing and holding the toggle button, turning the effect's Mix knob to minimum, or via MIDI.



CHORUS: Choose from two different flavors of modulation:

Tri Chorus: A wide, rich-sounding chorus with three delay lines with phase offset modulation applied to each delay line resulting in a lush modulated signal.

Stereo: Classic chorus effect with the added benefit of stereo width by offsetting the modulation by 180 degrees in the right channel. Note that in Stereo mode, turning the Chorus Mix knob fully clockwise will create a Vibrato sound.

Rate: Controls the rate of the modulating LFO. A higher rate will produce a faster and more pronounced pitch modulation, while a lower rate will produce a slower and more subtle effect.

Depth: Controls the depth of the modulating LFO. This affects the amount of pitch modulation applied to the affected signal.



CONTROLS & PROGRAMS



DELAY: The Delay program is a clean, crisp digital delay with up to a two second delay time. Use the toggle button to select between quarter, dotted eighth, and eighth note tap divisions.

Time: Turn the Time knob clockwise to increase the length between delay repeats. The Tap/Osc switch can also be used to tap in the desired tempo in quarter note intervals.

Feedback: Controls the amount of repeats. At minimum, there will be one repeat. At maximum, the delay repeats will slowly trail off over several seconds.

GRAIN: The Grain effect features two 'flavors' of operation:

Grain Cloud: This mode triggers small samples (grains) randomly from your playing, which gives you unpredictable, yet charming glitchy texture for your sound. The X knob controls the length of time between grains, so you can go from dense clusters to sparse accents.

Phrase Sample: This mode triggers grains rhythmically from your playing. Initial peaks in your playing are detected and grains are played back starting at these peaks, creating a rhythmic and intentional effect. The X knob controls the tempo at which the samples will be played back. Turning the X knob to the minimum position will sync the Phrase Sample time to the Delay time so that repeated grains are in time with the Delay repeats.

The Grain effect also features 5 playback modes that dictate different ways the grain samples are projected:

- x1: Normal
- x2: Double-speed and +1 octave
- x.5: Half-speed and -1 octave
- REV: Reverse playback
- RNDM: Randomized combination of the previous four modes.



STOMP FEATURES

TAP/OSC - Tap to set delay time. Press and hold the Tap/Osc switch to bring the Delay Feedback control to its maximum value, causing the delay effect to oscillate.

FREEZE - Press the Freeze switch to freeze the Grain buffer creating a sampled moment in time from your playing. The LED will turn blue indicating the Grain freeze is active. Long press the Freeze switch to ramp the Reverb to 100%. The LED will turn green indicating the Reverb freeze is active. Long press again to release the Reverb ramp and the frozen Grain buffer will keep looping. A short press will release both the Reverb and Grain Freeze.

BYPASS - Short press to bypass and engage the pedal. Long press to clear the Grain buffer.



PRESETS

Qi has three on-board presets (Red, Green, Blue) plus a live mode (white).

Scroll through the presets by pressing both stomp switches at the same time. Each press of both stomp switches will load the next preset until you get back to red.

To save a preset:

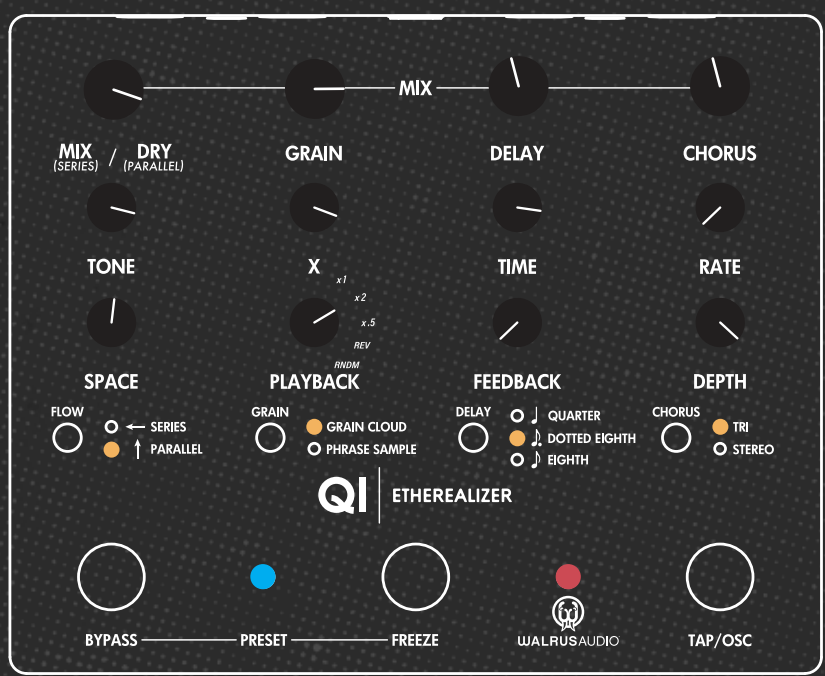
1. Scroll to the preset color you want to save a new sound.
2. Using the knobs and switches, dial in the desired reverb sound. The preset LED will turn purple indicating the preset has been modified. The preset LED will go back to the preset color when you cross the current saved setting.
3. To save, hold down the Bypass and Freeze switches until the preset LED blinks. The preset is now saved and the LED will return to the preset color.

TRAILS MODE - The Qi can run in trails or no trails mode. In trails mode, when you turn the pedal off, the delay, grain, and reverb dies off naturally. In no trails mode, the decay is abruptly cut off when you turn the pedal off. To toggle between either mode, hold down the bypass switch for 1 second while applying power to the pedal. Unplug power and repeat to toggle to the other mode. Default is Trails mode.

FACTORY RESET - To perform a factory reset, hold down both the Bypass and Freeze foot switches while plugging in power to the pedal. Hold both switches until the Preset LED starts to flash, then release both switches. The pedal will now be in Trails mode with the three default presets loaded in the Red, Green and Blue presets.

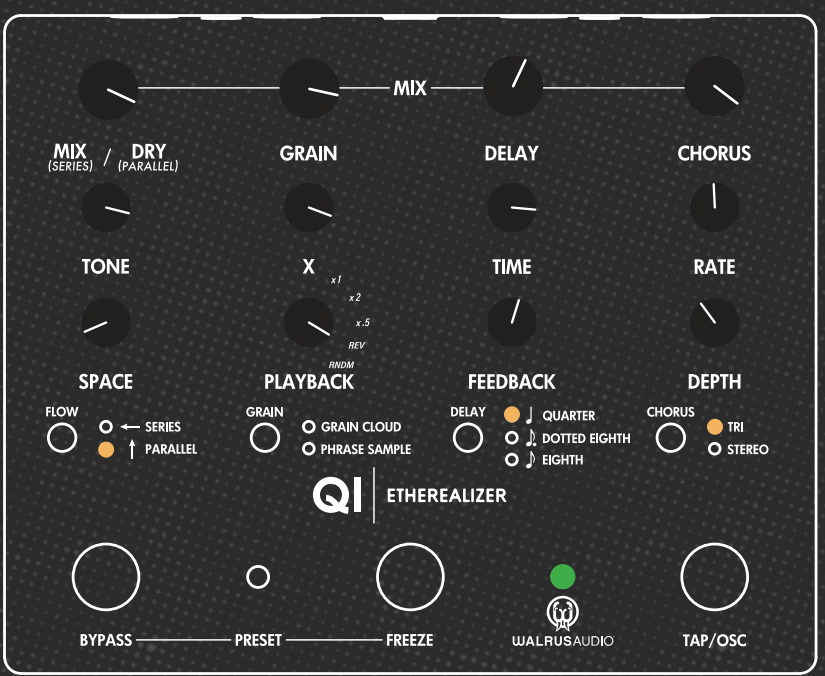
Note: Performing a factory reset will cause any custom stored presets to be erased back to the factory default.

YVETTE'S DEFAULT FACTORY PRESETS



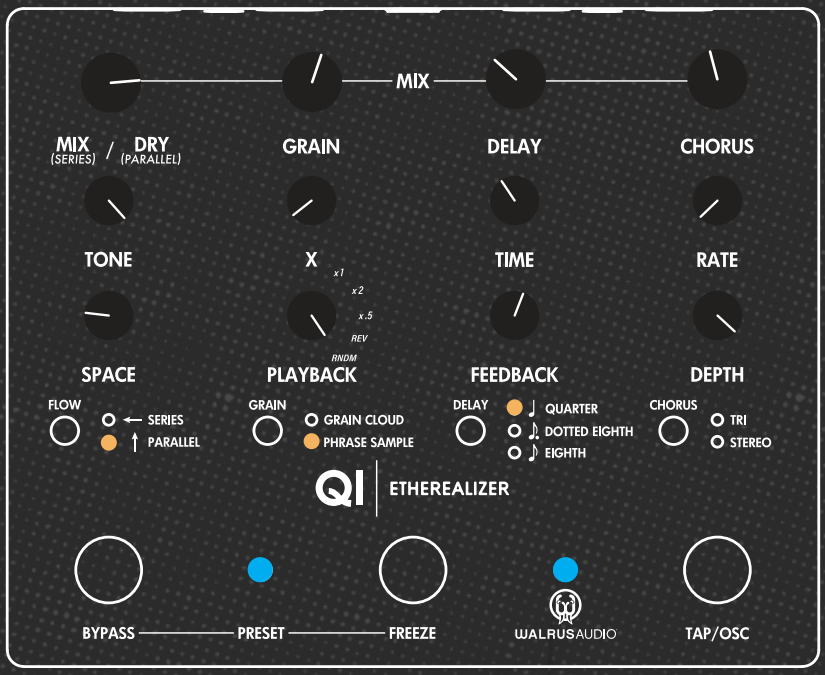
RED PRESET

Great for freezing & making granular pads



GREEN PRESET

THE Chorus tone.



BLUE PRESET

Great for randomized moments to freeze and play over.



MIDI

The Qi can be controlled via standard MIDI messages. Simply connect your MIDI controller to the Qi MIDI "IN". Downstream MIDI devices can be connected to the MIDI "THRU" which lets all incoming MIDI messages pass through to your other devices. The Qi ships with the MIDI channel set to 1 by default.

PRESET	MIDI PROGRAM CHANGE (PC)
Live Mode	0
Red	1
Green	2
Blue	3
Presets 4 - 127	4 - 127

• **MIDI CC** - Most parameters on the Qi can be controlled via MIDI CC messages. The list below shows all applicable MIDI CC numbers and their associated parameters and control values.

PARAMETER / MIDI CC # / MIDI Range	PARAMETER / MIDI CC # / MIDI Range
Flow 3 0 = Series 1 = Parallel	Grain Playback 28 0 = x1 1 = x2 2 = x.5 3 = Reverse 4 = Random
Mix/Dry 9 0 - 127	Freeze Mode 29 0 = Off 1 = Grain Freeze 2 = Reverb Pad + Grain Freeze
Tone 14 0 - 127	Delay Oscillation 30 0 = Off 1 = On
Space 15 0 - 127	Bypass 31 0 = Off 1 = On
Chorus Mode 16 0 = Tri 1 = Stereo	Grain Bypass 32 0 = Off 1 = On
Chorus Mix/Level 17 0 - 127	Delay Bypass 33 0 = Off 1 = On
Chorus Depth 18 0 - 127	Chorus Bypass 34 0 = Off 1 = On
Chorus Rate 19 0 - 127	Tap Tempo 85 0 = Release 1 = Tap Down
Delay Mode 20 0 = Quarter 1 = Dotted Eighth 2 = Eighth	
Delay Mix/Level 21 0 - 127	
Delay Time 22 0 - 127	
Delay Feedback 23 0 - 127	
Grain Mode 24 0 = Grain Cloud 1 = Phrase Sample	
Grain Mix/Level 25 0 - 127	
Grain X 26 0 - 127	
Grain Phrase 27 0 - 127	

• **MIDI CHANNEL ASSIGN** - Press and hold the Freeze Stomp during power up to set the MIDI channel. Both LEDs will flash white. Send a PC message to the desired channel. The pedal will light up like normal and it will now use that MIDI channel going forward.



WALRUSAUDIO.IO

[Walrusaudio.io](https://walrusaudio.io) is a simple interface to update your pedal's firmware.

*Note - Connecting a USB C cable to your Qi allows you to access firmware updates using your computer with a Chrome-based web browser.

Click on the MDSP logo to see what firmware version your pedal is in. Follow the on screen instructions to begin the update process.



SPECS

Input Impedance: 1M Ohms

Output Impedance: 220 Ohms

Frequency Response: 20Hz To 20kHz

Inputs: 2, 1/4" unbalanced TS

Outputs: 2, 1/4" unbalanced TS

USB Type C: For firmware updates via walrusaudio.io

Power Requirement: Isolated 9VDC, center-negative, 300mA minimum

Size Including Knobs/Jacks:

Height: 2.29" / 58.30mm

Width: 5.82" / 147.95mm

Depth: 4.87" / 123.80mm

Weight: 1.3 lbs

