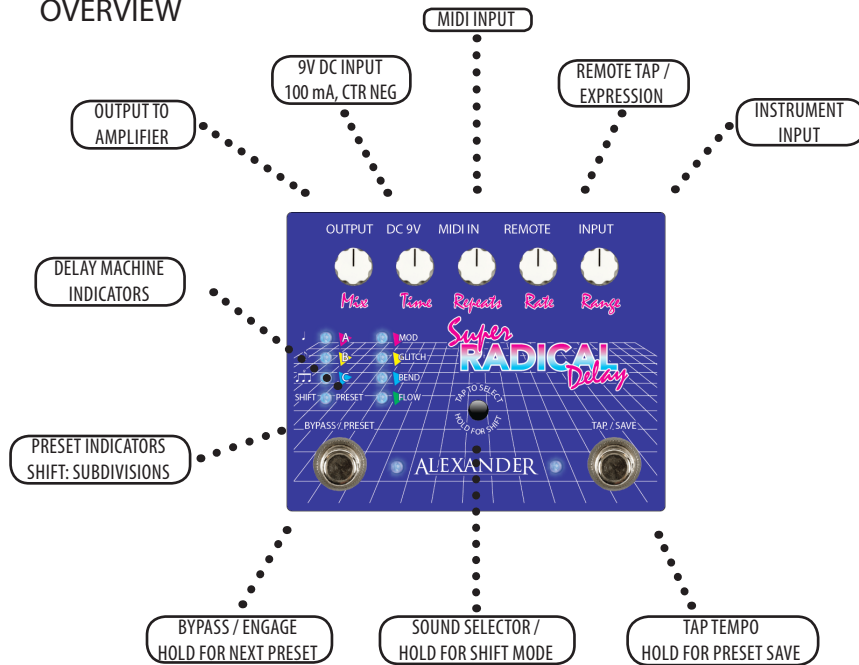


Super RADICAL Delay

The Super Radical Delay takes everything we love about the 80s and pumps up the volume. It's like ALF, Peter Venkman and Undead Michael Jackson hijacked the A-Team Van for an Excellent Adventure with Iceman Val Kilmer — all to a soundtrack of Bon Jovi and that song from Dirty Dancing. Strap in. It's about to get bodacious.

The Super Radical Delay is our homage to the greatest decade ever: the 1980s. We've packed it with cool features, but we also know that you don't have time to dive into menus on stage while you're trying to play. To that end, we've tried to make it as friendly as possible to operate. We want you to focus on making music, not messing around with some computer!

OVERVIEW



GETTING STARTED

Using the Super Radical is easy - Power the pedal using your favorite power supply, 9V with standard center-negative polarity. Plug in your guitar and amp. Tap the **Bypass / Engage** footswitch to turn the pedal on, then twist some knobs! Want to set the delay time to match the beat of the song you're playing? Tap the **Tap / Save** footswitch two or more times. Want to get gnarly? Turn the **Range** knob up! Want to try a different delay sound? Tap the **Select / Shift** button until you get something you like.

The Oblivion is full of cool technology but it operates just like any analog pedal, so get in there and explore. Once you find a sound you like, just hold down the **Tap / Save** footswitch to store your settings to the currently selected preset, as indicated by the **A / B / C** LEDs on the left side of the pedal.

DELAY EFFECTS

The Super Radical Delay has one basic effect: a crystal-clear 920 millisecond delay. But just having one effect is boring and very un-'80s. To that end, we've added four different effects that you can apply to the delay tone. If you turn the Time knob all the way down and the Mix knob all the way up, you can even apply these effects to your straight guitar tone.

Mod — Super-clean digital delay with adjustable modulation. Range and Rate control an adjustable pitch modulation, for chorus or vibrato textures.

Glitch — Pristine digital delay that you can mangle in unusual and interesting ways. Range and Rate control the amount of bit-crushing and aliasing. Try it with modulation off for the classic Radical effect, or use the new Rate function to morph your signal between glassy and mangled in real-time.

Bend — Delay with pitch shifting that's based on the earliest technology and spirals up or down with each repeat. Range and Rate control the pitch shift interval, the classic Radical effects are obtained with modulation disabled. Use the Offset control to choose the pitch shift range for interesting bending harmonies!

Flow — Adds a liquid effect, courtesy of our digital four-pole resonant filter. Range and Rate control the filter sweep, try tweaking the Offset control to choose the starting point of the filter sweep.

PRESETS

We know you've got a lot to do on stage. We get it. In order to minimize the amount of time you spend tweaking, we've equipped the Super Radical with an incredibly smart 32-bit control processor to go along with its advanced 24-bit audio DSP.

The big upshot of all that technology is that we can save and recall literally everything on the pedal in a few milliseconds! That means you can access five of your favorite settings in the middle of your set or even in the same song, just by holding the Bypass / Preset button. Want more presets? Add any MIDI controller that can send Program Change messages (most can!) and you've now got up to 128 presets available.

Loading presets is really simple - just hold the Bypass / Preset button to load the next available preset, as indicated by the **A / B / C** LEDs on the left side of the pedal. If you've got a MIDI controller, just send a Program Change message on the Super Radical's MIDI channel as determined in the Global Settings. Note that if you load a preset higher than 4, the **A / B / C** LEDs won't light up.

Saving presets is easy, too - first, make sure you're in the preset location where you'd like to save. You can either load a preset on the Super Radical itself or send a MIDI Program Change message. Next, turn the knobs on the pedal to get the sound you want. Finally, hold the **Tap / Save** footswitch. The pedal will save all the knob settings including the Shift Mode parameters, tap subdivisions, and Delay Machine type to the preset.

CONTROLS



MIX - adjusts proportion of wet (delayed) and dry signals. Fully clockwise results in delay signal only, equal mix is at 12 o'clock.

(BOOST) in Shift Mode, adjusts overall volume of pedal +/- 6dB

TIME - sets base delay time of the effect from 0ms to 920ms.

(WAVE) in Shift Mode, selects wave shape of modulation. Available shapes include Sine, Square, Ramp Up, Ramp Down, Random.

REPEATS - adjusts feedback into the delay unit, changing the number of repeats. The Super Radical will "self-oscillate" at high Repeats settings.

(CENTER) in Shift Mode, adjusts the starting point of the LFO waveform. Maximum waveform sweep is available with Center at zero.

RATE - Adjusts the LFO rate. When Rate is set to zero, the Range knob controls the modulation position directly.

RANGE - Adjusts the LFO depth.

BYPASS / PRESET - Tap to activate or disable the effected sound. Hold to cycle to the next preset. If TRAILS is active, the delay will continue to sound in bypass mode.

TAP / SAVE - Tap to set the delay time, hold to save the current settings to the active preset.

SHIFT / SELECT - Hold this button to enter or exit Shift Mode. When Shift Mode is active, the SHIFT LED will be illuminated and some of the controls have secondary functions. Tap to select either delay machine (normal) or tap subdivisions (Shift Mode.)

REMOTE JACK

The **REMOTE** jack on the rear panel serves double-duty as either a remote tap footswitch input or as an expression pedal input. Consult the GLOBAL SETTINGS section for information on how to assign this jack.

If the **REMOTE** jack is set to Tap Tempo, connect a normally-open footswitch such as a Disaster Area DMT-1 or TNT using a standard mono instrument cable. Tapping the remote switch will perform the same function as tapping the on-board **Tap / Save** button, although holding the remote switch will not save presets.

If the **REMOTE** jack is set to Expression, connect an expression pedal such as the Mission EP-1, Moog EP-2, or Roland EV-5 using a TRS cable. The **REMOTE** jack is wired with Tip = 0-3.3V, Ring = 3.3V, Sleeve = Ground.

EXPRESSION CONTROL

The Super Radical has a unique Expression Control feature. Using either a standard expression pedal connected to the **REMOTE** jack OR a MIDI controller, the player can smoothly move between two completely different pedal settings at any time. The Expression Control can change any or all of the five knobs on the pedal, in any direction, by any amount. Sound complicated? It's not.

First, make sure your expression pedal or MIDI controller is connected. If you're using a MIDI controller, make sure you can send MIDI CC 100 with values 0 to 127. Next, set the expression pedal or MIDI controller to its minimum (HEEL) position and then turn the knobs on the pedal to your desired settings. Now set the expression pedal to its maximum (TOE) position, and turn the knobs on the pedal to a new setting. Finally, move the expression pedal back and forth to hear the results.

NOTE: If you tap tempo to the pedal, the tapped setting overrides both HEEL and TOE Expression Control settings until you either re-load the preset or move the **Time** knob again.

GLOBAL SETTINGS

The Super Radical has a few settings that are saved in its internal memory that affect the way the pedal behaves. In order to access the Global Settings, hold the Select / Shift button while powering the pedal on. The Shift LED will blink to show that the Global Settings mode is active.

HOLD the Select / Shift button to move from one setting to the next, then TAP it to change the selected setting.

A - Remote Jack Assign: LED OFF = Tap Tempo. LED ON = Expression Pedal.

B - Bypass Type: LED OFF = Hard Bypass. LED ON = Trails Bypass.

If Hard Bypass is selected, delay trails will be muted in bypass.

If Trails Bypass is selected, delay trails will be active in bypass.

Both bypass modes use our high-quality buffer for minimal tonal impact.

C - MIDI Channel: Consult the chart below to set the MIDI channel that the Super Radical should use when receiving messages.

		MIDI CHANNEL SELECTION							
		1	2	3	4	5	6	7	8
The Super Radical uses the Delay Machine LEDs to indicate the active MIDI channel in Global Settings Mode. By default, the pedal will receive on MIDI channel 1, which is shown as all LEDs OFF.	○	●	○	●	○	●	○	●	○
	○	○	●	●	○	○	○	○	●
	○	○	○	○	●	●	●	●	●
	○	○	○	○	○	○	○	○	○
		9	10	11	12	13	14	15	16
	○	○	○	○	○	○	○	○	○
	○	○	●	●	○	○	○	○	○
	○	○	○	○	○	○	○	○	○
	●	●	●	●	●	●	●	●	●

HOLD the Bypass / Preset footswitch to save the Global Settings and return to play mode.

The Global Settings details are also printed on the rear lid of the pedal for quick reference.

MIDI CONTROL

MIDI stands for Musical Instrument Digital Interface, and it's essentially a protocol to let different pedals, keyboards, effects units, rack mount effects, switching systems, etc. all talk to each other.

Every knob and setting on the Super Radical except the Global Settings may be controlled using MIDI Continuous Controller (CC) messages, and the pedal will also respond to MIDI Program Change messages for loading presets.

MIDI Message	Range	Parameter
Program Change (PC)	0-127	Load preset 0-127. Presets A, B, C are 0, 1, 2

Continuous Controllers (CC)

CC 93	Any	Tap Tempo
CC 100	0-127	Set Expression Pedal Value
CC 102	0-127	0-63 Bypass Pedal, 65-127 Engage Pedal
CC 122	0-127	Direct Save Preset 0-127
CC 117	0-127	Set Mix Control
CC 118	0-127	Set Delay Time Control
CC 119	0-127	Set Repeat Control
CC 120	0-127	Set Modulation Rate
CC 121	0-127	Set Modulation Depth
CC 123	0-13	Set Boost Level
CC 124	0-4	Set LFO Wave
	0 Sine, 1 Square, 2 Ramp A, 3 Ramp B, 4 Random	
CC 125	0-127	Set Tone Control
CC 126	0-2	Set Subdivision
	0 Quarter, 1 Dotted Eighth, 2 Triplet	
CC 127	0-3	Set Delay Effect
	0 Mod, 1 Glitch, 2 Bend, 3 Flow	

USB INTERFACE

The Super Radical comes equipped with a USB-Mini B jack on the left side of the pedal. When connected to a computer or iPad (using the Apple Camera Connection Kit,) the Super Radical is activated as a USB MIDI Device. The Super Radical is class-compliant and requires no drivers on most modern operating systems.

The Super Radical will receive and send MIDI on both the MIDI channel in the Global Settings AND Channel 16 via USB. The Super Radical also sends out any changes to knob or parameter settings as MIDI over USB.

The Super Radical may be powered by the USB connection but this sometimes results in increased noise. Alexander Pedals recommends powering the pedal using the DC power jack instead.

WARRANTY

We warrant our products for one year starting from the date of purchase. This warranty is fully transferable and follows the pedal, not the owner.

The warranty covers defects in workmanship or materials, and does not cover misuse (intentional or otherwise) or other damage, acts of God, etc.

Alexander Pedals will pay for shipping from our facility to the customer, shipments to Alexander Pedals are the responsibility of the customer.

ABOUT US

Alexander Pedals build hand-crafted effects pedals in Garner, North Carolina. Each Alexander Pedal is meticulously voiced and tweaked by our sonic scientists to achieve sounds that are both instantly familiar yet completely unique.

Who we are...

Alexander Pedals are designed by Matthew Farrow and a group of trusted players, builders, and friends. Matthew has been building guitar pedals since the late 1990s, first with Pharaoh Amplifiers, and now with Disaster Area Designs. Matthew has designed some of the most innovative effects units on the market, including some big names he's not allowed to tell you about.

Doing good...

Alexander Pedals was started for two reasons - to make great tones, and to do good. The great tones part you probably have some idea about. As for doing good, Alexander Pedals donates a portion of the profits from every pedal sold to charity. Matthew's younger brother Alex passed away in 1987 of a form of cancer called neuroblastoma. Alexander Pedals honors his memory by helping in the fight to end childhood cancer.

Visit us online at alexanderpedals.com

Rev. 1.02 corrected typographical errors
Rev. 1.01 reversed A and B in Global Settings

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GREAT TONES. DOING GOOD.