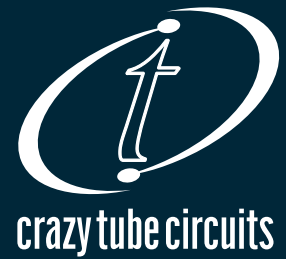


MIRAGE JR



Mirage JR features a powerful **studio-grade** reverb engine offering **16 immersive algorithms**, to help you shape sonic environments from vintage realism to deep ambient dreamscapes with endless room for creativity.

CONTROLS:

mix: Adjusts the level of the reverb effect relative to your dry signal.

volume: Sets the output level. Use at unity gain or dial up for clean boost.

swell: Controls the length or size of the reverb effect. On select algorithms, it may trigger additional behaviors – see chart below.

excite: A context-sensitive control. Its function changes depending on the selected algorithm – see chart below.

ALGORITHM SELECTION & BANKS.

SHIFT PUSH SWITCH

Toggles between the two available algorithm banks:

Outer Circle (Switch Up)

NATURAL / VINTAGE / FAMILIAR REVERBS

Classic reverb types found in nature or vintage gear - plates, springs, rooms, halls, and more.

Inner Circle (Switch Pressed Down)

AMBIENT / EXPERIMENTAL / MODERN REVERBS

Surreal, ambient tools designed for textures, pitch shifts, modulation, and immersive environments.

VOICE SELECTOR (ROTARY SWITCH)

Selects from 8 reverb algorithms within the currently active bank. Each position on the rotary switch corresponds to a specific reverb "voice." – see chart below

Notes:

- Each algorithm responds differently, decay time, tone, and wet level may vary. After selecting a new algorithm, you may need to adjust the Swell, Excite, Volume and Mix controls for optimal results.
- After switching banks, you may need to turn the Voice Selector to activate the new algorithm.

VOICE (REVERB ALGORITHMS) – DWELL & EXCITE FUNCTION CHART (DEDICATED FOR R1, R2)

OUTER CIRCLE (SHIFT SWITCH UP)			
SYMBOL	VOICE	SWELL KNOB	EXCITE KNOB
	Plate = classic studio plate reverb - rich with a bright sheen and dense, even decay.	Plate size/decay	Brightness/presence
	Cathedral = captures the massive space of a grand cathedral - long, echoing, and full of air.	Cathedral size/decay	Brightness/presence
	Hall = the sound of a large concert hall, natural and immersive.	Hall size/decay	Brightness/presence
	Room = A mic'd-up room that can feel close or surprisingly big - simple, real, and flexible.	Room size/decay	Dark to bright room (absorption)
	Spring = classic tube amp spring reverb - bouncy, and full of vintage twang.	Swell/ reverb tank drive	Tone/Splash
	Springier = a longer spring reverb modeled after studio/external spring reverb units.	Swell/ reverb tank drive	Tone/Splash
	Inchdown = inspired by the Scottish oil tanks with the longest man-made reverb - metallic, haunting, and huge.	Reverb length/decay	Brightness/presence
	Gated = Sharp '80s-style gated reverb with a quick cutoff for rhythmic punch.	Gate time	Brightness/presence

VOICE (REVERB ALGORITHMS) – DWELL & EXCITE FUNCTION CHART (DEDICATED FOR R1, R2)

INNER CIRCLE (SHIFT SWITCH PRESSED DOWN)			
SYMBOL	VOICE	SWELL KNOB	EXCITE KNOB
	Up Shimmer = reverb trails pitched one octave up - bright, airy, angelic, and endlessly uplifting.	Decay	Octave up mix
	Down Shimmer = octave down reverb tails - deep, dark, moody, and grounding your sound in low-end bloom.	Decay	Octave down mix
	Dual Shimmer = crossfade between octave down and octave up shimmer - from dark and deep to bright and ethereal.	Decay	Octave down/up crossfade
	Pitch Shimmer = pitch-shifted reverb tails with a stable pitch set anywhere from one octave down to one up.	Decay	Pitch shift
	Repeater = echoes trapped in reverb = rhythmic, cascading reflections that evolve into ambient textures.	Decay	Tone
	Moduverb = modulated reverb tails - lush, fluid, and constantly shifting beneath your sound.	Decay	Mod depth & speed
	Frozen Hall = acts like a classic hall until you crank decay to max and it freezes into endless sustain.	Decay (freeze at max)	Brightness
	Infinite = captures and holds a reverb loop indefinitely - can keep accepting new signal or freeze what's already there.	Loop input threshold, freeze = no input at max setting	Tone

FOOTSWITCHES & EXPRESSION CONTROLS

Mirage JR offers flexible control via two footswitches and an expression pedal input.

LEFT FOOTSWITCH: bypass/engage effect.

RIGHT FOOTSWITCH – XF MODE

When assigned to Swell or Excite via the **Control Assign Switch**, the right footswitch behaves as follows:

- **Press and Hold:** Ramps up the selected control (Swell or Excite). The assigned knob's position affects the range of the ramp.
- **Release:** Ramps back down to the value set by the corresponding knob.
(Ramp down time is determined by the knob's position - lower knob settings result in faster ramping)

CONTROL ASSIGN SWITCH

Selects whether the right footswitch (XF) controls Swell or Excite:

- **Up Position:** Swell
- **Down (Pressed):** Excite

XP INPUT (EXPRESSION PEDAL)

- Plug in a TRS expression pedal with up to a 100k linear pot
- An internal switch selects the controlled knob/function
- The knob position sets the **range** of the expression pedal

POWER-UP BEHAVIOR

When Mirage powers up, **the LED will blink**, then **go to bypass mode by default**.

To change the power-up state to **engaged (on)**:

Hold down the **bypass (left) footswitch** during power-up

1. The pedal will save this new state automatically
2. Repeat the process to revert to the previous setting

INTERNAL SWITCHES & ROUTING OPTIONS

KILL DRY SWITCH

Sets the behavior of the **Mix** knob at maximum:

- **OFF:** Standard 50/50 wet-dry mix
- **ON (KD):** 100% wet / 0% dry (kill dry)

Important:

- Use **Kill Dry (KD)** only with **true bypass**
- If KD is ON and **buffered bypass (TAILS)** is active, the pedal will output **no sound** when Mix is at max

BYPASS MODE SWITCH

- **TRUE:** True bypass via high-quality relay
- **TAILS:** Buffered bypass with trails preserved

Some algorithms (e.g. Infinite, Frozen Hall) can sustain indefinitely even after bypass - adjust decay settings accordingly.

XP CONTROL ASSIGN SWITCH

Sets which parameter is controlled by an external expression pedal (XP input): **Swell** or **Excite**

POWER, SAFETY & WARRANTY

Power supply : 9V DC center negative, regulated / stabilized. Isolated power supply is recommended for best performance. Max current consumption 115mA. Power supply is not included.

SAFETY INSTRUCTIONS:

- This unit was designed for 9V DC input only. **Do not use a higher than 9V DC voltage power supply as it will cause malfunction and void warranty!**

Warranty: **Mirage JR** comes with 5 years warranty from date of manufacture. We will provide service/repair at no labour or internal parts cost within 5 years from date of manufacture - buyer is responsible for all shipping costs and/or customs fees and taxes that may apply. This warranty excludes normal cosmetic wear and damages done due to misuse or improper handling or exposure to liquids/moisture.

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