

REFLECTIONS...



ZANDER
CIRCUITRY

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BEFORE WE GET STARTED...

We just want to thank you for purchasing one of our pedals, your support means an awful lot to us. We love doing what we do and it wouldn't be possible without the fantastic people that help and encourage us to continually push our limits.

We really hope you enjoy making wonderful noise with it!

Alex Millar

Founder

OVERVIEW

Ambience is everything.

The Templo is our featured-packed reverberation engine that's got all of your three-dimensional needs covered. From humble, twangy springs to vast chasms and caves, you're sure to find a multitude of uses for adding a bit (or a lot) of space and depth to your sound.



effect type:
multi-reverb



switching:
true or buffered bypass



power:
9v DC (center -)



jacks:
top mounted

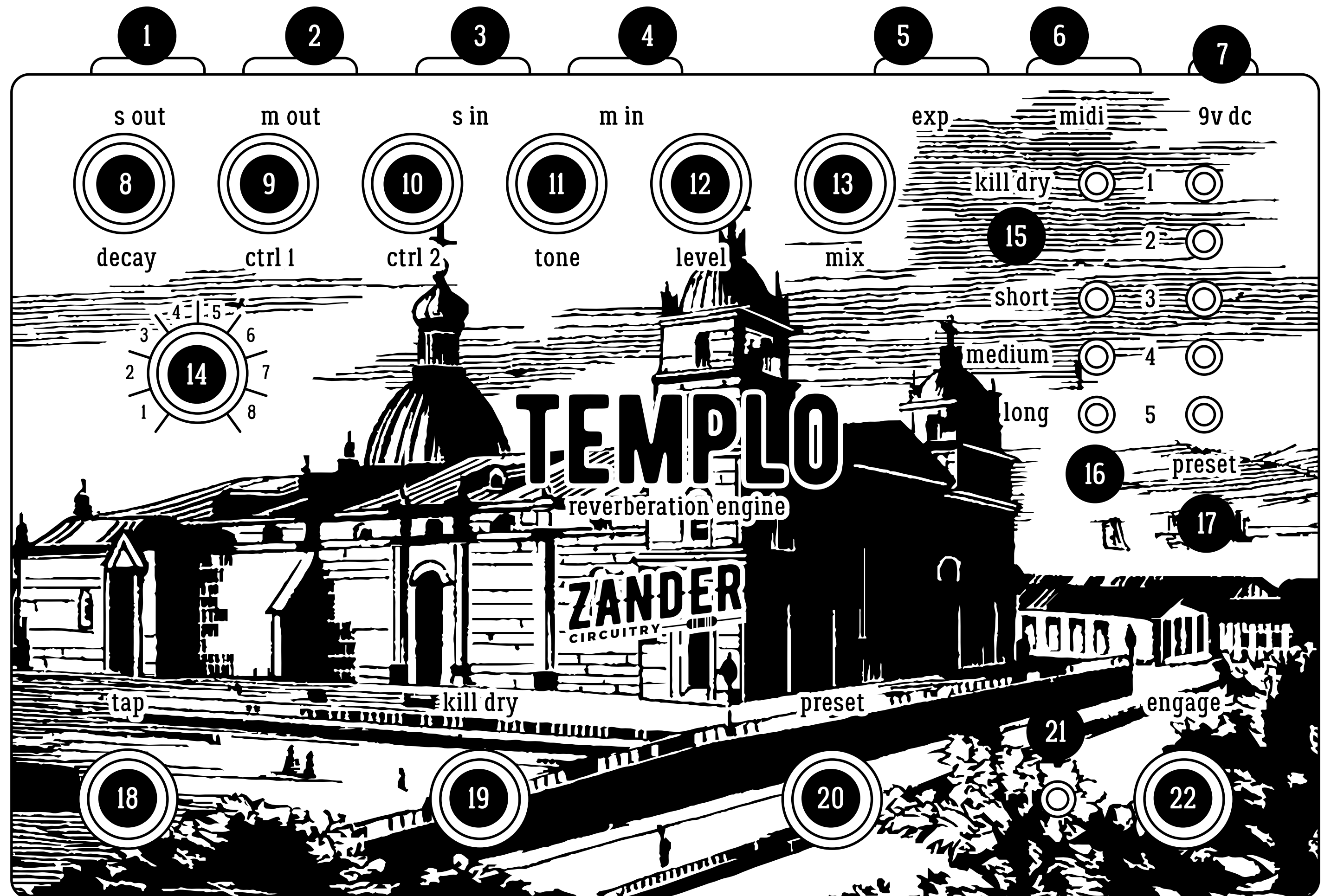


current draw:
250ma



ON THE SURFACE

1. Stereo out
2. Mono out
3. Stereo in
4. Mono in
5. Expression pedal in
6. MIDI
7. 9v DC in (center -), current draw 250ma
8. Decay - Reverb length
9. Ctrl 1 - secondary parameter (see page 6)
10. Ctrl 2 - secondary parameter (see page 6)
11. Tone - EQ control for the wet signal
12. Level - master volume control
13. Mix - wet/dry blend knob
14. Patch selector
15. Kill dry indicator LED
16. Decay length indicator LEDs
17. Preset indicator LEDs
18. Tap - decay time tap
19. Kill dry - 100% wet signal
20. Preset - preset selector
21. Engage/bypass mode indicator LED
22. Engage - bypass



DEEP DIVE

1. TAP & MAX DECAY TIME

Pressing the tap footswitch twice will set the decay length of the reverb, this is not an exact tap tempo like you would find on a delay, but it does let you quickly switch between a short and long decay time (without having to use up the preset slots). Tap quickly for a short decay, slowly for a longer one, the decay length will be shown on the indicator LEDs. Pressing and holding the tap footswitch will max out the decay time whilst the switch is held down.

2. KILL DRY

Pressing the kill dry switch will remove the dry signal completely, leaving you with just the wet (reverb signal), this will be indicated by the kill dry LED when active. This switch can work both momentary and latching, to change the switching mode, press and hold the tap and kill dry switches at the same time for 3 seconds, you'll see the kill dry switch indicator LED flash a few times.

4. PRESETS

The preset switch allows you to store and cycle through 5 on-board presets. These are indicated by the 5 LEDs above the 'preset' label. To store a preset, cycle through to the number you'd like to assign the preset to, set the controls to the desired settings and then press and hold the preset footswitch for 3 seconds. You'll see the LED jump forward to the next number and then jump back again. This indicates the preset has been stored.

4. TRUE/BUFFERED BYPASS (TRAILS)

True or buffered bypass can be assigned per preset. To change bypass modes, press and hold the bypass footswitch for 3 seconds. The bypass LED will flash briefly to confirm the change has taken place. In true bypass mode, when the pedal is off the bypass LED will be off. In buffered bypass mode, when the pedal is off the bypass LED will be red. In both modes the bypass LED will be green when the pedal is on.

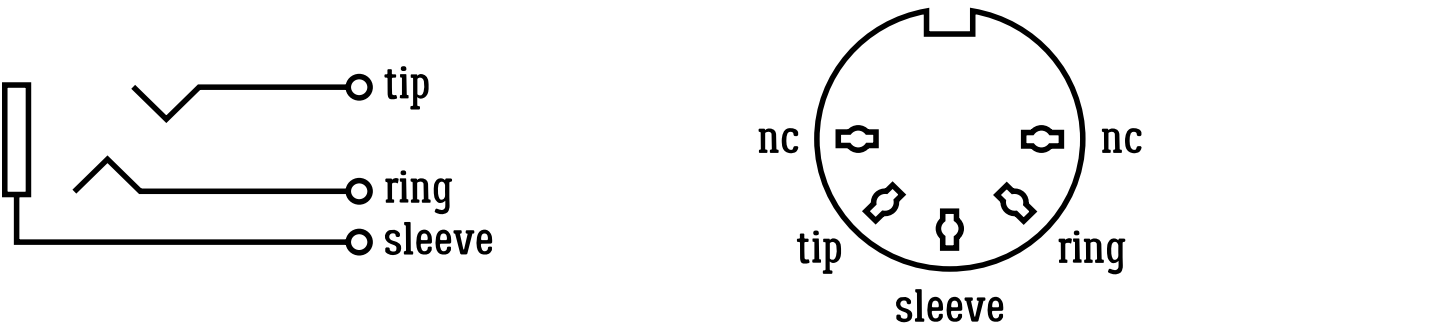
5. EXPRESSION PEDAL CAPABILITY

- All parameters (including the patch selector!) can be controlled with an expression pedal on a per-preset basis, to do this:
1. Plug in an expression pedal to the 'exp' input
 2. Press and hold the kill dry and engage footswitches for 3 seconds, the bypass LED will start flashing red, you have now entered assignment mode (flashing red means that no parameters have been assigned yet)
 3. Rotate the controls you'd like to assign to the expression pedal for that preset. The flashing bypass LED will change from red to orange once the first parameter has been assigned to confirm the change has been recognised
 4. To exit assignment mode, press and hold the kill dry and engage footswitches for 3 seconds. The bypass LED will stop flashing and return to it's previous state
 5. To clear the expression assignments for a preset, press and hold the kill dry and engage footswitches for 5 seconds (from outside of assignment mode). The flashing bypass LED will flash orange (after 3 seconds) and then red (after 5 seconds) to confirm that the assignments have been cleared.

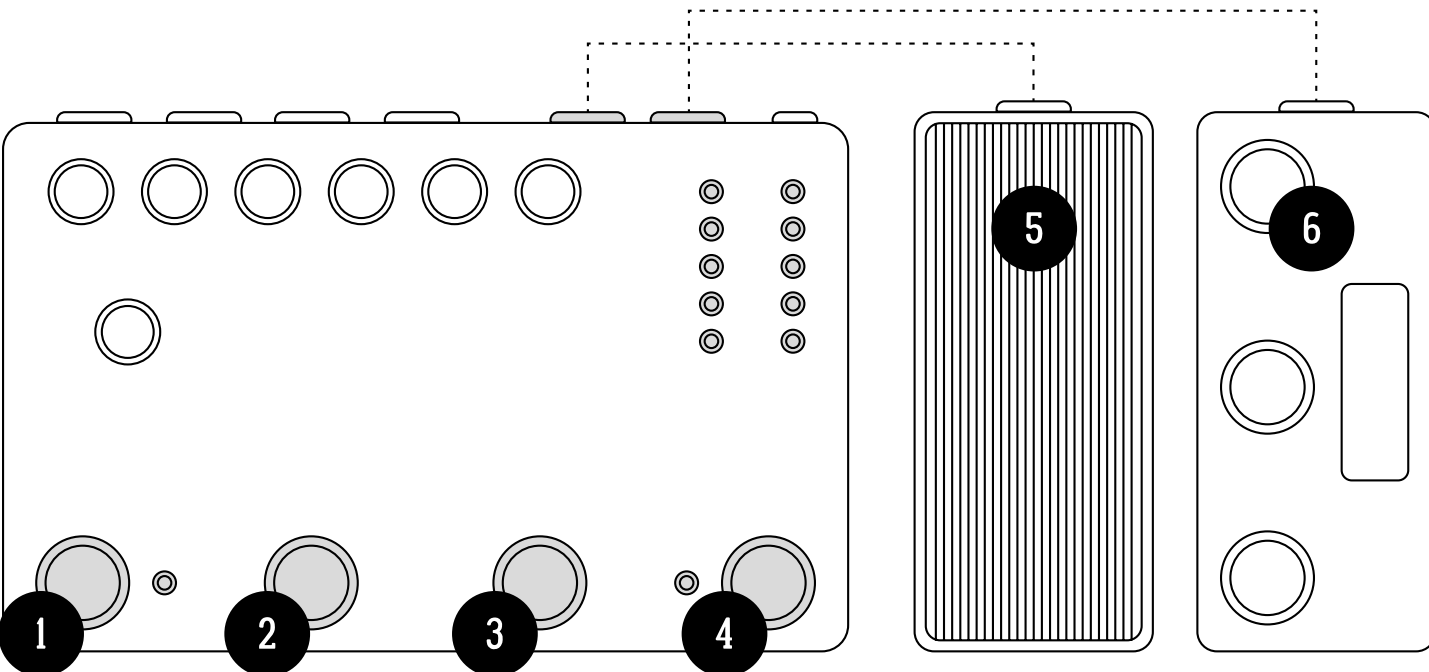
6. MIDI (A BRIEF INTRO)

Connecting a MIDI controller to the Templo via the MIDI jack allows you to access a wide range of additional features including storing up to 128 presets, externally controlling any parameter and accepting beat clock information. The MIDI controller numbers are as follows:

decay = 20	mix = 25
ctrl 1 = 21	patch selector = 26
ctrl 2 = 22	kill dry = 27
tone = 23	bypass = 29
level = 24	



Our MIDI TRS configuration follows the official MIDI Manufacturers Association's specification. (This is also the same as Empress Effects, however it is possible to flip the configuration to be the same as used by Chase Bliss Audio if needed. Please contact us to discuss this).



SOUNDS & STEREO

With 8 unique patches, you're sure to find loads of sounds to immerse yourself in!

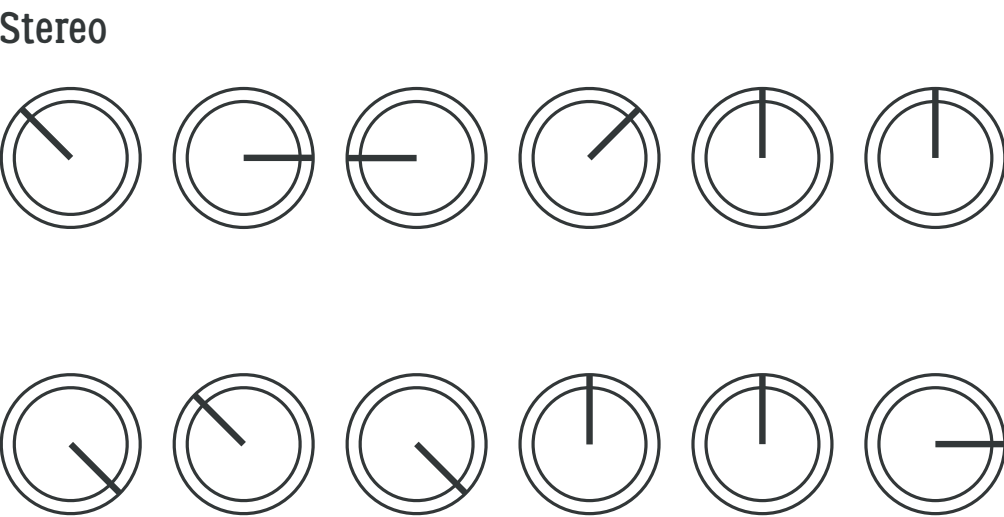
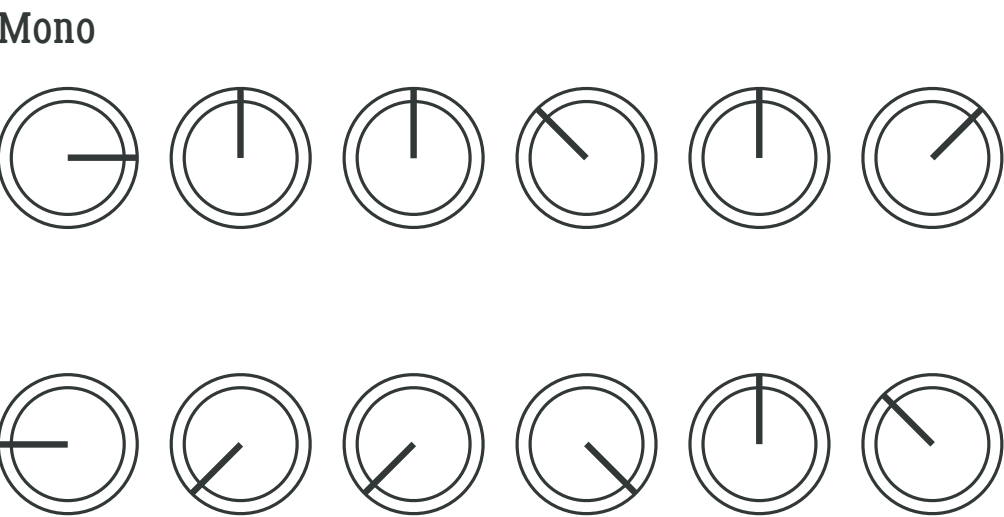
A QUICK NOTE ON MONO/STEREO...

If you're running a mono setup, just use the mono jacks. Do not run a mono setup through the stereo jacks. You can still run mono in to stereo out. Bypass mode must be switched to buffered in order to get stereo bypass.

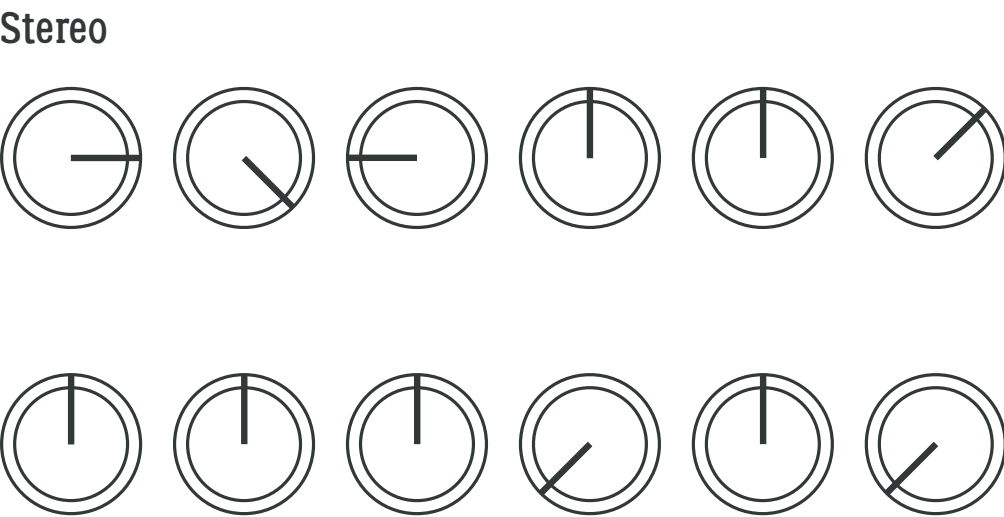
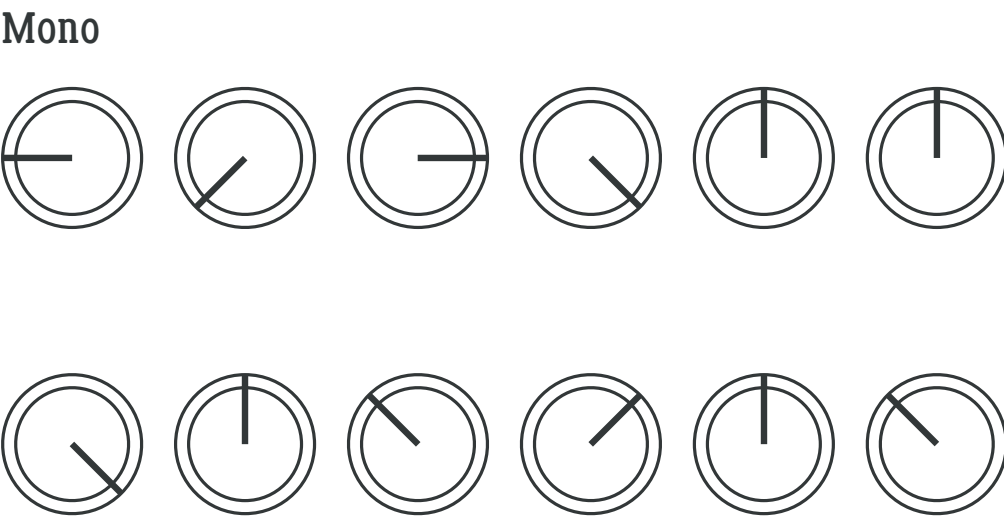
#	Effect	Description	Ctrl knobs	Stereo function
1	Spring/tile	Voiced around the various spring reverb tanks used in countless classic amps, shorter decay and delay times offer a very sharp and reflective sound we call ‘tile’ (think playing in a large bathroom).	Ctrl 1 - long delay time (tank size) Ctrl 2 - short delay time (‘springiness’)	Short and long delay times are split across the two channels.
2	Room/hall	A flexible ‘all-rounder’ reverb that offers room (short decay/pre delay) and hall (long decay/pre delay) sounds.	Ctrl 1 - pre delay (room/hall blend) Ctrl 2 - low frequency loss	Signal is split and sent to both channels.
3	Cave	A deep/dark modulated verb capable of long decay times	Ctrl 1 - modulation rate Ctrl 2 - modulation depth	Modulation is only sent to one channel for a stereo spread.
4	Solid State	Based around the delay time structure of the MN3011 bucket brigade delay chip that was used in many analog/solid state verb units.	Ctrl 1 - delay time Ctrl 2 - diffusion (smooths out and modulates delay artefacts)	Signal is split and sent to both channels.
5	Whirl	A large church style reverb combined with a four voice chorus.	Ctrl 1 - modulation rate Ctrl 2 - modulation depth	Chorus voices are split (2 & 2) across the two channels.
6	Spectral	A large church style reverb combined with a lower octave duplication as well as a higher octave shimmer effect.	Ctrl 1 - lower octave mix Ctrl 2 - shimmer mix/intensity	Lower octave and shimmer are sent to different channels.
7	Lo-fi	A shorter/thinner reverb with very intense high pass filtering & sharper sounding modulation.	Ctrl 1 - modulation rate Ctrl 2 - high pass filtering	Modulation is only sent to one channel for a stereo spread.
8	Granular	A dissonant, artefact-filled verb combined with a bitcrushing/aliaser effect. On this patch the decay control can also mix out the reverb, leaving just the bitcrusher/aliaser.	Ctrl 1 - bitcrusher/aliaser frequency Ctrl 2 - bitcrusher/aliaser mix	The aliaser’s two outputs are sent to the different channels, one harsher and one smoother.

SUGGESTED SETTINGS

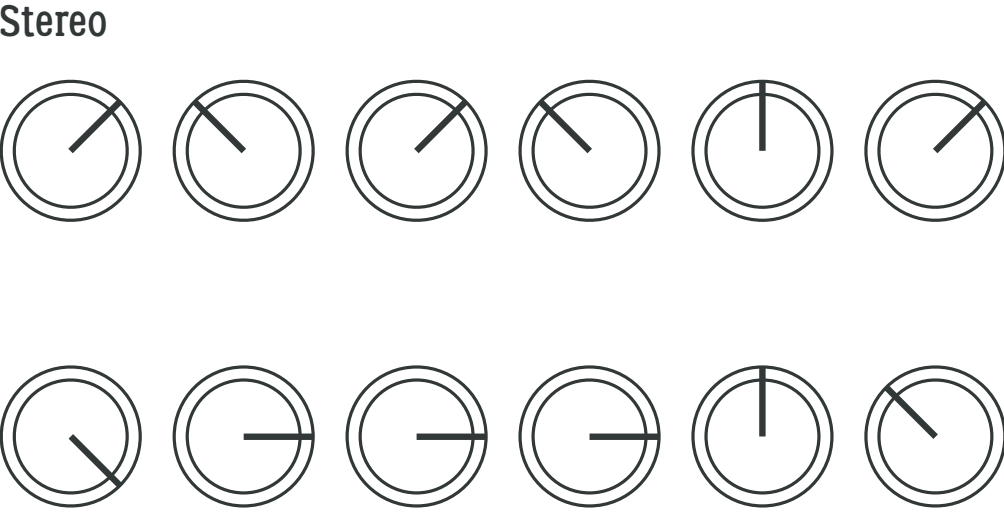
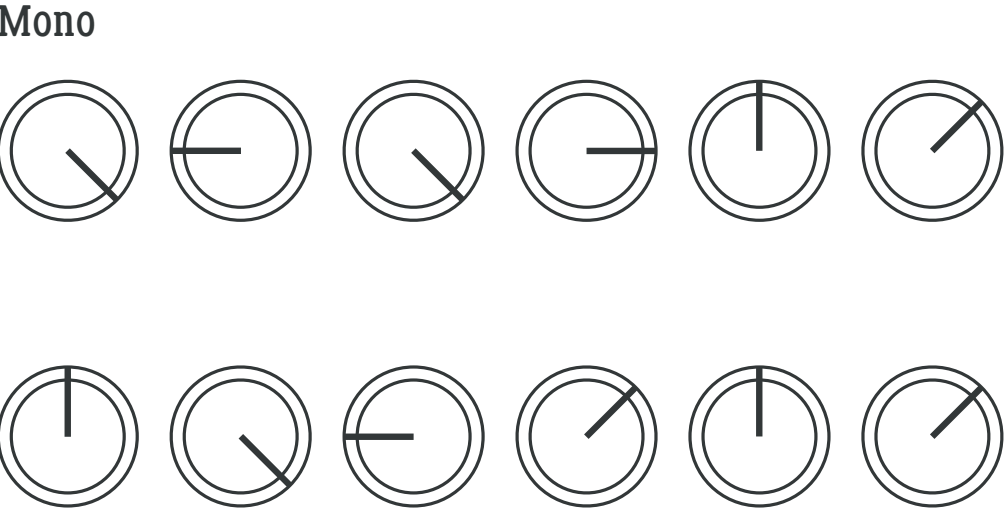
SPRING/TILE



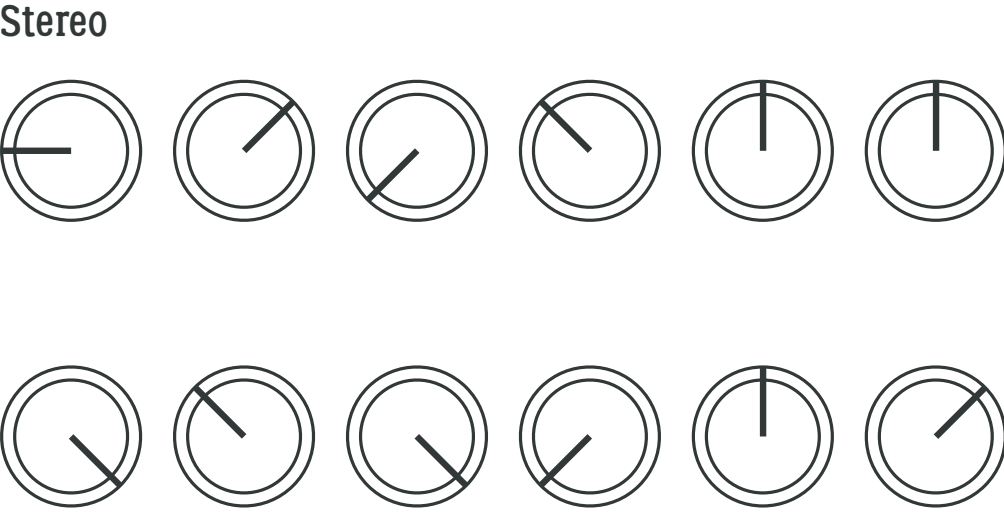
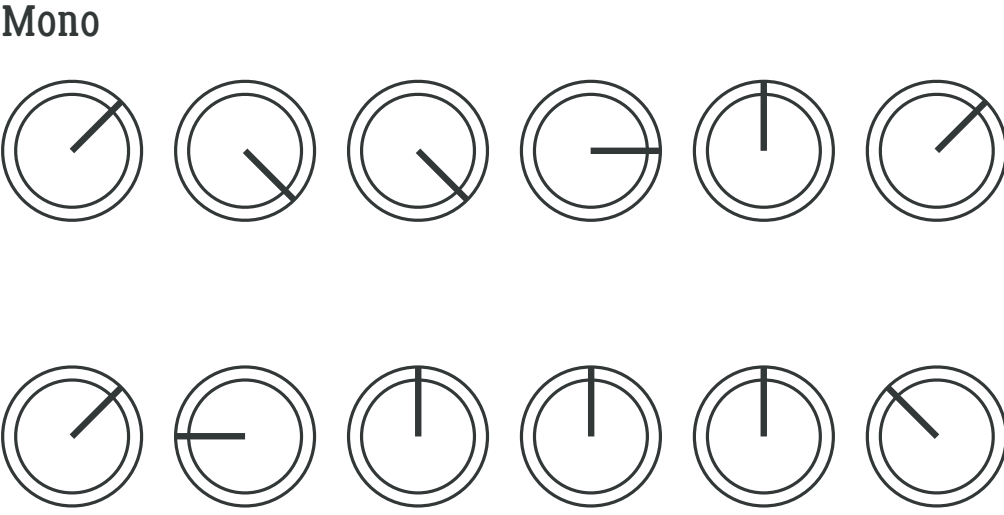
ROOM/HALL



CAVE



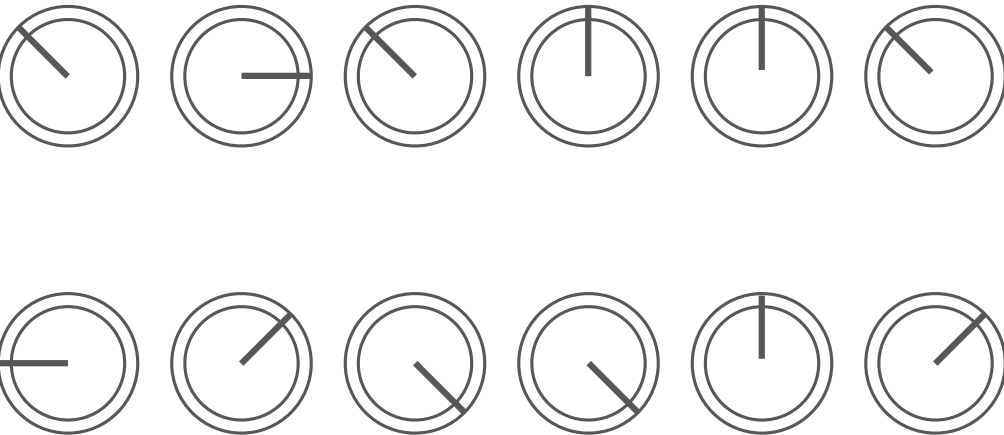
SOLID STATE



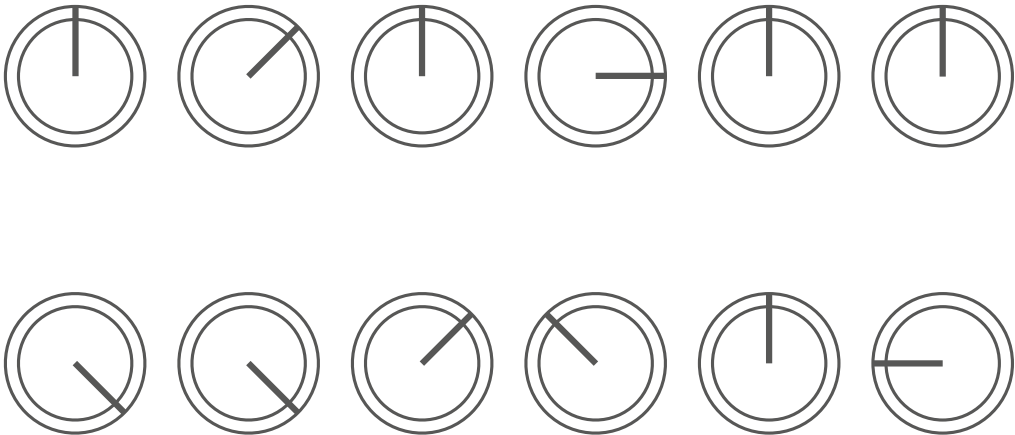
SUGGESTED SETTINGS

WHIRL

Mono

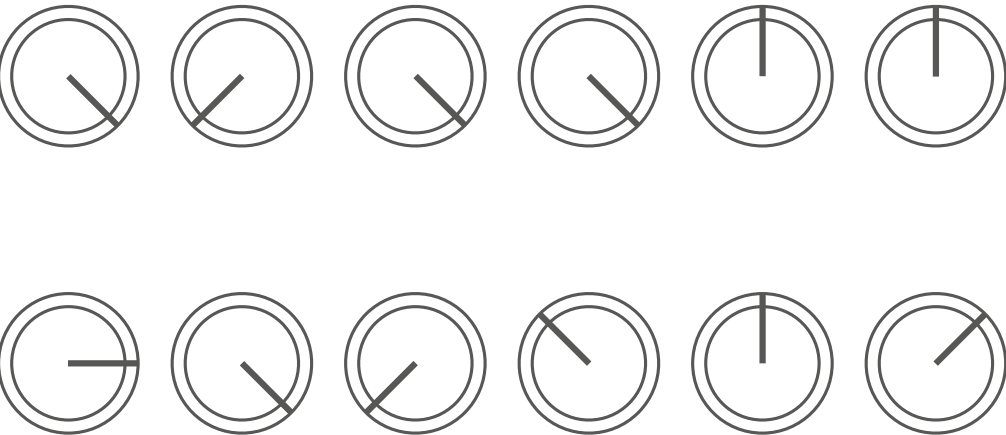


Stereo

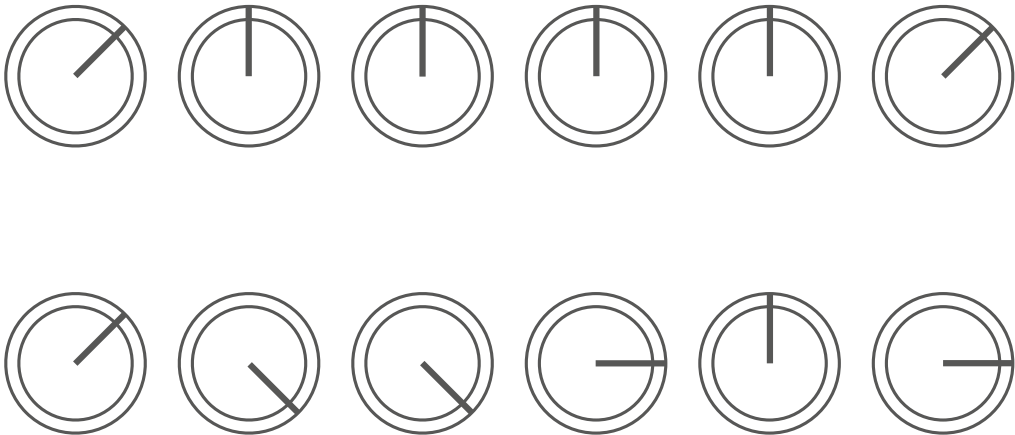


SPECTRAL

Mono

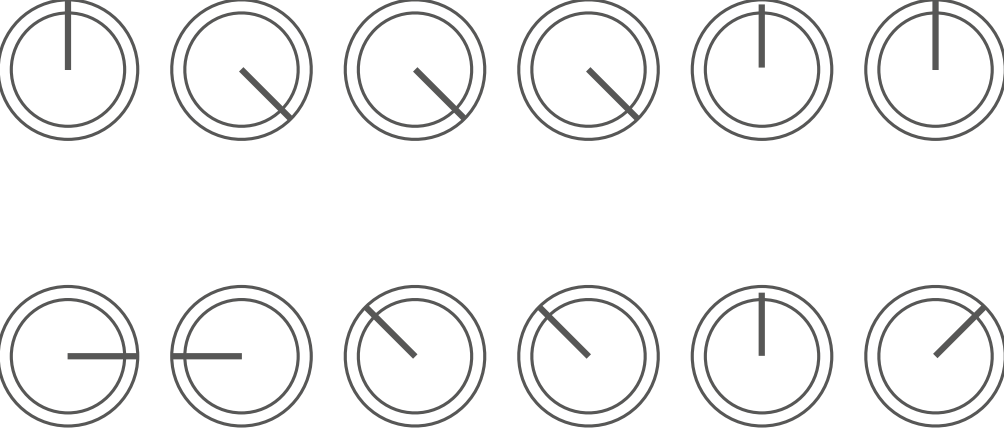


Stereo

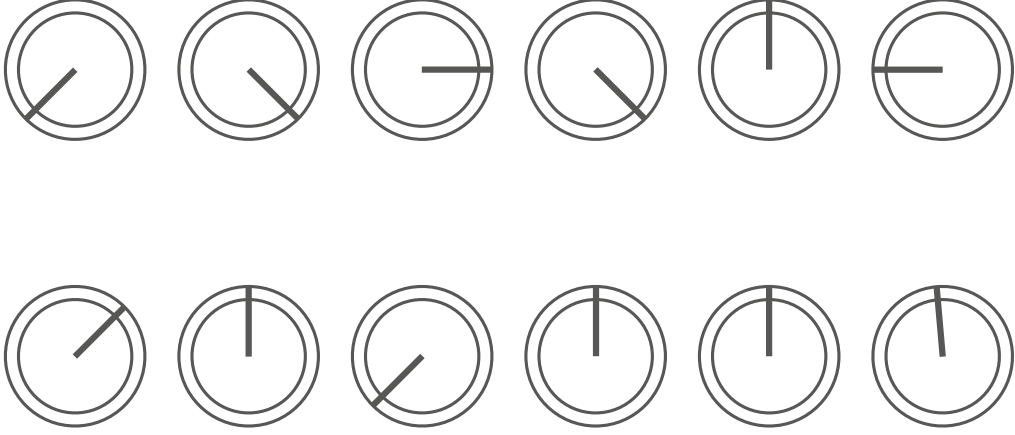


LO-FI

Mono

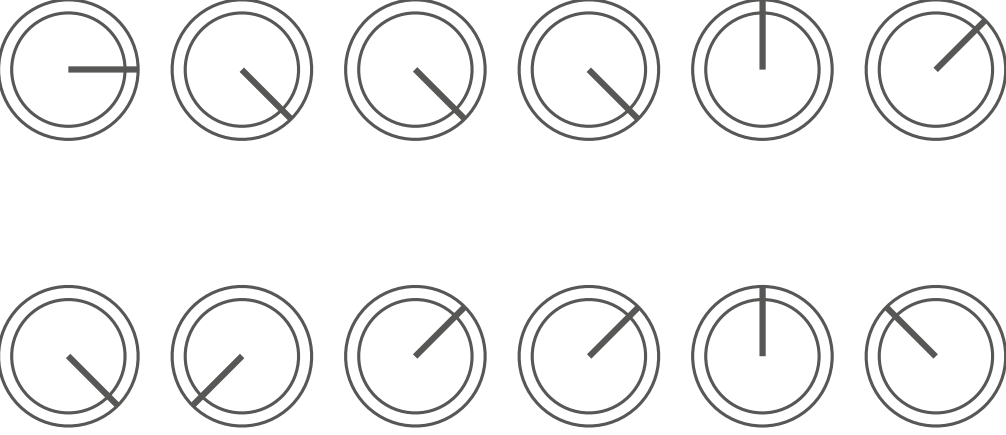


Stereo

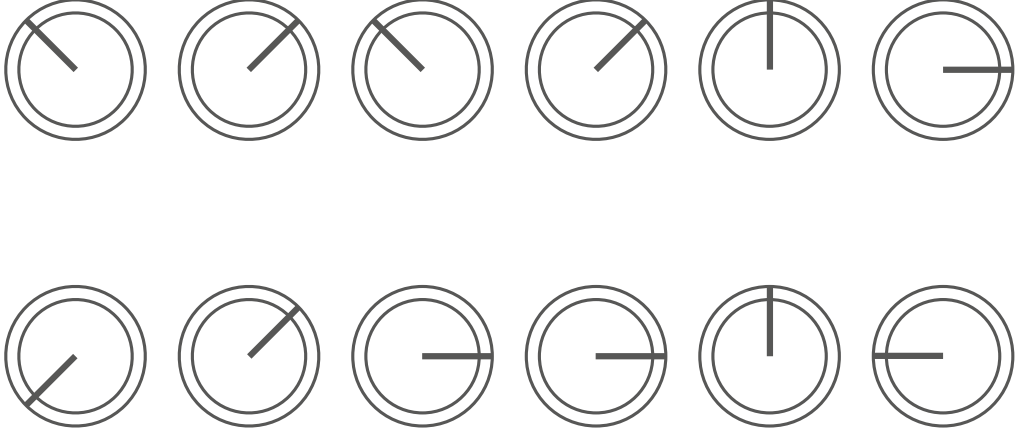


GRANULAR

Mono



Stereo



WARRANTY & BORING STUFF

WARRANTY

All orders are covered by a 6 month repair/replace warranty, this service is free but return postage will need to be covered by the buyer, please note this is only for faults and does not cover mistreatment...so don't go spilling beer on anything!

Please note this warranty only applies to the original buyer of the pedal, if it has been bought second hand or is older than 6 months we're still happy to sort any issues for a small cost that will be quoted on a pedal-by-pedal basis.

It goes without saying that we do not recommend you try to fix any faults yourself and always urge you to contact us or seek the help of a knowledgeable tech to carry out the work for you.

Tampering of any kind with the internal circuitry will immediately void the warranty (the only exception being elements that are specifically meant to be tweaked/altered, such as a level trimpot), but make sure you know what you're adjusting or you'll have to send it back to be fixed!.

For a full list of terms or any other frequently asked questions, visit our website:
www.zandercircuitry.com

COMPLIANCE/STANDARDS



STAY IN TOUCH!

We always love you guys getting in touch, seeing and hearing the wonderful things you create. So please keep us updated with anything you're doing!



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