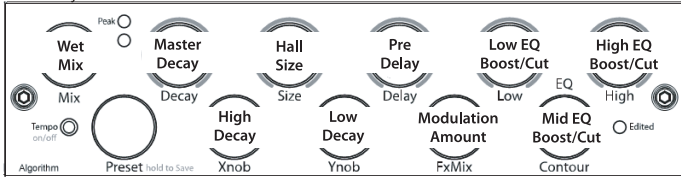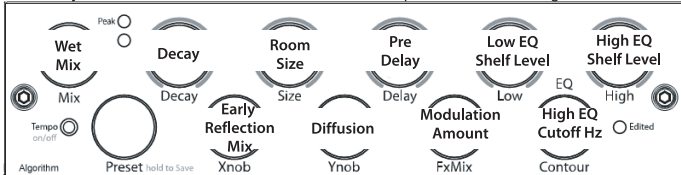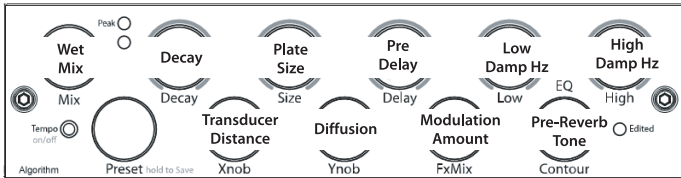# SPACE

ALGORITHMS

HALL
This effect simulates large, physical spaces. Individual high and low decay times let you simulate various surfaces and materials which alter the reverb characteristics.

Wet Mix | Master Decay | Hall Size | Pre Delay | Low EQ Boost/Cut | High EQ Boost/Cut
Mix | Decay | Size | Delay | Low | EQ | High
High Decay | Low Decay | Modulation Amount | Mid EQ Boost/Cut | Edited
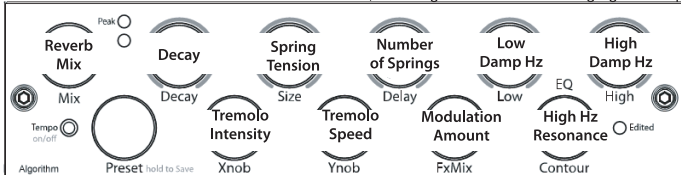Algorithm | Preset hold to Save | Xnob | Ynob | FxMix | Contour

ROOM
This effect simulates room ambience. Early Reflection and Diffusion controls allow you to recreate the sound of small to medium spaces with convincing realism.
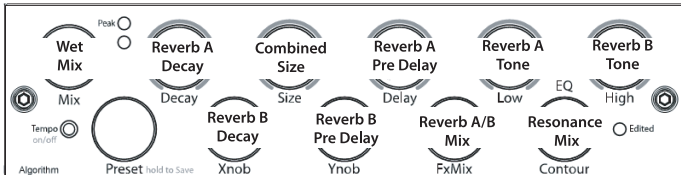
Wet Mix | Decay | Room Size | Pre Delay | Low EQ Shelf Level | High EQ Shelf Level
Mix | Decay | Size | Delay | Low | EQ | High
Early Reflection Mix | Diffusion | Modulation Amount | High EQ Cutoff Hz | Edited
Algorithm | Preset hold to Save | Xnob | Ynob | FxMix | Contour

PLATE
This effect simulates a physical metal plate; a uniquely recognizable sound that has been heard on countless hit records.

Wet Mix | Decay | Plate Size | Pre Delay | Low Damp Hz | High Damp Hz
Mix | Decay | Size | Delay | Low | EQ | High
Transducer Distance | Diffusion | Modulation Amount | Pre-Reverb Tone | Edited
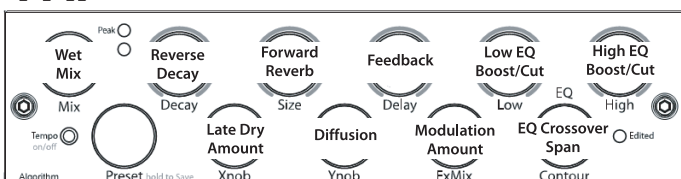Algorithm | Preset hold to Save | Xnob | Ynob | FxMix | Contour

SPRING
This effect simulates physical, metal springs carrying an audio signal combined with a tremolo effect. The result is the classic, haunting sound found in vintage guitar amps.

Reverb Mix | Decay | Spring Tension | Number of Springs | Low Damp Hz | High Damp Hz
Mix | Decay | Size | Delay | Low | EQ | High
Tremolo Intensity | Tremolo Speed | Modulation Amount | High Hz Resonance | Edited
Algorithm | Preset hold to Save | Xnob | Ynob | FxMix | Contour

DUALVERB
Sometimes you want to be in two spaces at once. DualVerb is two individually controllable reverbs in one effect. Use it to create dual realities.
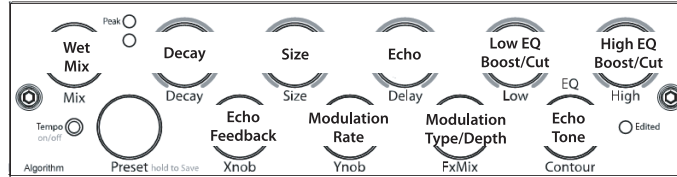
Wet Mix | Reverb A Decay | Combined Size | Reverb A Pre Delay | Reverb A Tone | Reverb B Tone
Mix | Decay | Size | Delay | Low | EQ | High
Reverb B Decay | Reverb B Pre Delay | Reverb A/B Mix | Resonance Mix | Edited
Algorithm | Preset hold to Save | Xnob | Ynob | FxMix | Contour

REVERSE
A true reverse reverb followed by a forward reverb with delay and feedback.

Wet Mix | Reverse Decay | Forward Reverb | Feedback | Low EQ Boost/Cut | High EQ Boost/Cut
Mix | Decay | Size | Delay | Low | EQ | High
Late Dry Amount | Diffusion | Modulation Amount | EQ Crossover Span | Edited
Algorithm | Preset hold to Save | Xnob | Ynob | FxMix | Contour

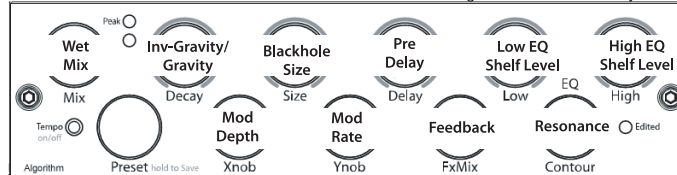### MODECHOVERB
Swept, flanged, or chorused reverb tails with echo. Use this to send guitar solos into the stratosphere.

Wet Mix | Decay | Size | Echo | Low EQ Boost/Cut | High EQ Boost/Cut
Mix | Decay | Size | Delay | Low | EQ | High
Echo Feedback | Modulation Rate | Modulation Type/Depth | Echo Tone | Edited
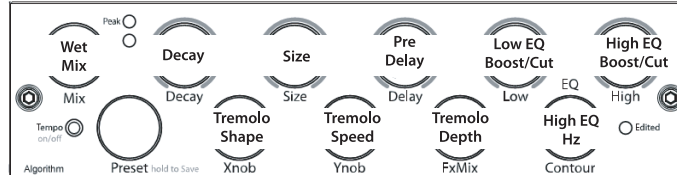Algorithm | Preset hold to Save | Xnob | Ynob | FxMix | Contour

BLACKHOLE
A Black Hole has its own gravity from which not even light can escape. Its ethereal sound is simulated here with both regular and inverse decay.
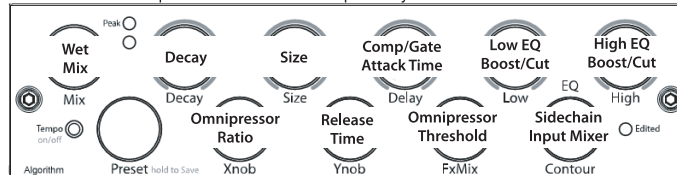
Wet Mix | Inv-Gravity/Gravity | Blackhole Size | Pre Delay | Low EQ Shelf Level | High EQ Shelf Level
Mix | Decay | Size | Delay | Low | EQ | High
Mod Depth | Mod Rate | Feedback | Resonance | Edited
Algorithm | Preset hold to Save | Xnob | Ynob | FxMix | Contour

MANGLEDVERB
Soft-clipped or overdriven reverb tails with spooky detuning.

Wet Mix | Decay | Size | Pre Delay | Low EQ Boost/Cut | High EQ Boost/Cut
Mix | Decay | Size | Delay | Low | EQ | High
Distortion Type/Amount | Distortion Output Level | Wobble | Mid EQ Boost/Cut | Edited
Algorithm | Preset hold to Save | Xnob | Ynob | FxMix | Contour
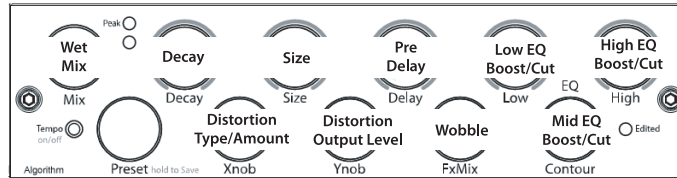
TREMOLOVERB
A celestially large reverb cut back down to Earth size by an aggressive tremolo.

Wet Mix | Decay | Size | Pre Delay | Low EQ Boost/Cut | High EQ Boost/Cut
Mix | Decay | Size | Delay | Low | EQ | High
Tremolo Shape | Tremolo Speed | Tremolo Depth | High EQ Hz | Edited
Algorithm | Preset hold to Save | Xnob | Ynob | FxMix | Contour

DYNAVERB
DynaVerb couples an Eventide Eclipse reverb with a model of the Eventide Omnipressor® to create an adaptable dynamics reverb.

Wet Mix | Decay | Size | Comp/Gate Attack Time | Low EQ Boost/Cut | High EQ Boost/Cut
Mix | Decay | Size | Delay | Low | EQ | High
Omnipressor Ratio | Release Time | Omnipressor Threshold | Sidechain Input Mixer | Edited
Algorithm | Preset hold to Save | Xnob | Ynob | FxMix | Contour

SHIMMER
Pitch-shifted reverb tails give the signal a singing, other-worldly quality.

Wet Mix | Decay | Size | Delay (pre-pitch) | Low Decay | High Decay
Mix | Decay | Size | Delay | Low | EQ | High
Pitch A Shift Amnt | Pitch B Shift Amnt | Pitch Decay | Mid Decay | Edited
Algorithm | Preset hold to Save | Xnob | Ynob | FxMix | Contour
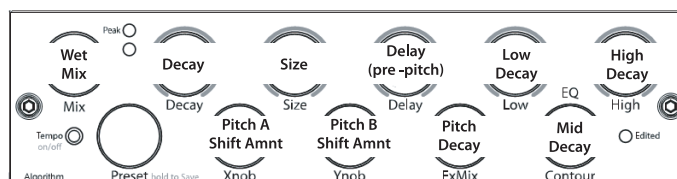
CHANGING PRESETS

Any of the 100 Presets can be loaded by simply turning the Encoder and stopping at the Preset that you'd like to use. When the Preset loads, the name of the Algorithm on which the Preset is based is displayed momentarily.

CHANGING ALGORITHMS

Every Preset is based on an Algorithm.
To access SPACE's 12 Algorithms, simply press and release the Encoder. The Algorithm LED will light and the Billboard will display an Algorithm name. Turn the Encoder to scroll through the 12 Algorithms. When you stop scrolling, the displayed Algorithm will load. After a few seconds of inactivity, the Algorithm LED will turn OFF and will revert to normal Preset or Play mode.

CONTOUR KNOB

Note that in the Room, DualVerb, Reverse, Blackhole, and TremoloVerb Algorithms the Contour Knob will have NO effect on the sound if BOTH Low and High Knobs are set to 0.

TREMOLOVERB SPECIAL CONTROLS

FxMix - [MONO DPTH / ST DPTH]: tremolo depth, in stereo mode you have the option to have mono depth (same on both channels) or stereo depth (tremolo is 90 degrees out of phase)

Xnob - [SHP]: tremolo shape: [SINE], [TRIANGL], [PEAK], [RANDOM], [RAMP], [SQUARE], [SMP/HLD] (sample/hold), [ENVELOP], [ADSR], or [EXP PDL] (Expression Pedal)

Ynob - [SPEED] or [SENS]: tremolo speed in Hz, sensitivity, or note-based in tempo mode. If Xnob is set to ENVELOP or ADSR then Ynob becomes an input Sensitivity control for the tremolo to follow the dynamics of your playing.

DYNAVERB SPECIAL CONTROLS

Decay - [DECAY]: decay in seconds or note-based in Tempo Mode. When decay is 0, this effect can be used as a standalone Omnipressor® or gate

Xnob - [OMRATIO]: ratio control for the Omnipressor, all the way left is a traditional Gated sound, above that it moves into expansion, then compression, then limiting and infinite ducking, then to negative ratios which result in dynamic reversal.

Contour - [SC IN 10 + RV 10]: the mixer to sidechain input (gain control signal). At all the way left, the gain curve is derived from the input only. At all the way right, it is a feedback dynamics unit with gain derived from the reverb output. In OMNIMODE, this simply lets you fade between a feedforward (FF) and feedback (FB) compressor/expander/gate/etc.
(We know it's not EQ, but we liked the idea so much we couldn't leave it out)

SYSTEM MODE

To access System Mode, hold down both the Encoder Button and the Right Footswitch at the same time for a few seconds. Do the same thing to exit.
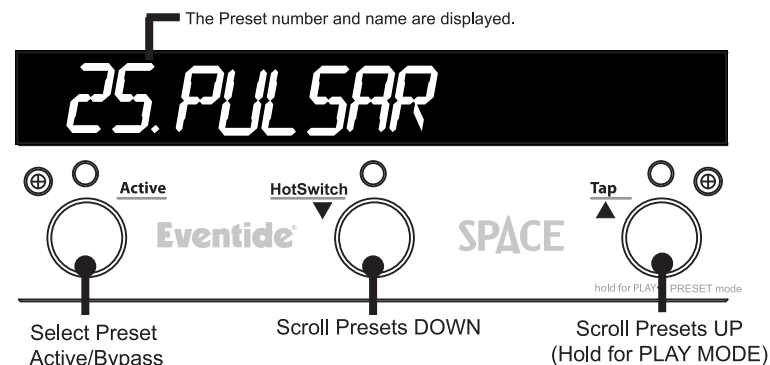
PRESET MODE

Use footswitches to select Presets and to Bypass.

The Preset number and name are displayed.

25.PULSAR

⊕ ○ **Active**   **HotSwitch** ▼ ○   SP∆CE   **Tap** ○ ⊕

hold for PLAY- PRESET mode

Select Preset
Active/Bypass

Scroll Presets DOWN

Scroll Presets UP
(Hold for PLAY MODE)

◀ Toggle between
PRESET and PLAY MODE
by pressing and holding the
Right Footswitch for about 2 seconds. ▶

The Encoder Knob changes the loaded
Preset in both MODES.

PLAY MODE

Use footswitches to Bypass, Toggle HotSwitch, and to Tap Tempo.

The Preset name is displayed with no number.

PULSAR

⊕ ○ **Active**   **HotSwitch** ▼ ○   SP∆CE   **Tap** ▲ ○ ⊕

hold for PLAY- PRESET mode

Active/Bypass

Tap Tempo
(Hold for PRESET MODE)

PRESET OUTPUT LEVEL

Preset output levels can be adjusted in either Play or Preset Mode.

TO SET OUTPUT LEVEL
1. Press Left Footswitch to Bypass the Preset.
2. Press and hold the Left Footswitch. [The Preset will now be Active].
3. After holding for 2 seconds the display will show "OUT LVL" followed by the Output Level in dB.
4. Continue to hold the Left Footswitch pressed and turn the Encoder to adjust output level from -12 dB to +6 dB in .5 dB increments.
5. Remember - Save it or Lose it! Output level changes are saved with Presets.

HOTSWITCH

HotSwitch can be assigned to control knob(s).
In Play Mode, the HotSwitch is always active and programmable, i.e. HOT.

To Program: Press and hold the Middle Footswitch in Play Mode and turn any combination of the parameter Control Knobs to achieve the sound that you desire for the HotSwitch.

With each press & release of the HotSwitch, the Preset's parameter values will toggle between their normal and HotSwitch values. Subsequent pressing and holding of the HotSwitch allows momentary HotSwitch operation instead of toggle.
Note: You must save the Preset to store the HotSwitch settings.

To Unassign a Knob: Set the Knob at the same value for HotSwitch ON/OFF.

EXPRESSION PEDAL
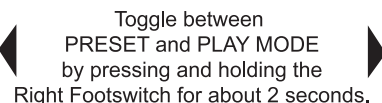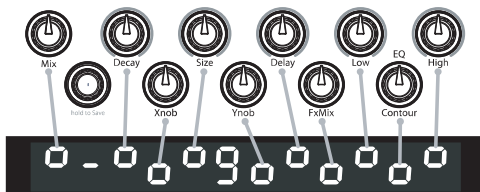
An Expression Pedal can be assigned to control knob(s).

TO PROGRAM EXPRESSION PEDAL
1. Move Expression Pedal to Toe or Heel Position. Edited LED blinks to show Pedal Programming is "LIVE."
2. To Assign Knobs:
Press full heel and turn any of the knobs.
Press full toe and turn any of the knobs.
3. To Unassign a Knob:
Keep the knob at the same value in full heel and full toe positions.
4. Remember - Save it or Lose it!
Pedal assignments are saved with Presets.

TEMPO

Tempo is turned ON or OFF by pressing the Tempo LED. When Tempo is ON, the Tempo LED flashes at the Tempo rate. With Tempo OFF, the Tempo LED is OFF.
When Tempo is ON, Delays are set in rhythmic sub-divisions of the beat, common beat values rather than in Hz or milliseconds.

SAVING/NAMING PRESETS

1. Press and hold the Encoder for a few seconds. The current Preset# and the 10 character Preset Name are displayed. Release the Encoder. The Preset# is flashing and the "Edit" LED is lit.
2. Turn the Encoder to select the desired Preset#.
3. Press the Right Footswitch and the first character of the Preset name will flash. Turning the Encoder will change this character.
4. Use the Left and Right Footswitches to traverse the display, selecting the character to be edited by the Encoder.
5. Press and hold Right Footswitch to INSERT a character before the currently flashing character.
6. To save the Preset, press and hold the Encoder a second time. The Billboard displays "SAVED."
7. After a short time, the Save mode is exited.
8. To exit Save without saving, press and release the Encoder again without holding it or press the Middle Footswitch. Upon exiting Save mode without saving, the Billboard displays "NO SAVE."

Preset names can have up to 16 characters.

DECAY   8 13MS

Mix Decay Size Delay Low EQ High
Xnob Ynob FxMix Contour
0 - 0 0 9 0 0 0 0 0

Expression Pedal controlling a single Control Knob will display the parameter name and value as if you were turning a Knob.
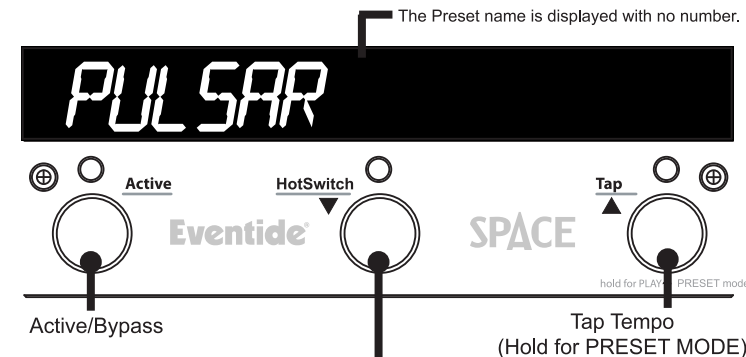
Multiple Control Knobs that are controlled by the Expression Pedal are represented as circles while unassigned Control Knobs are indicated by a solid line (dash). The number indicates the position of the Expression Pedal with a value from 0-9 (0 = heel, 9 = toe).