

# PIGTRONIX

# ***COSMOSIS I***

## User's Guide



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## ***HEAVENLY REVERB***

Cosmosis 1 is a high-fidelity digital reverb that delivers premium ambient reverb sounds in a streamlined, single-footswitch enclosure. Cosmosis 1 contains three unique Pigtronix space algorithms with onboard controls for the size of the reverb, wet/dry blend, and filtering. Custom-made LED touch switches provide instant color-coded access to three unique reverb spaces as well as three user-defined presets. Theatre (blue) puts the player in a variable room that ranges from cozy to highly reflective using multiple parallel short reverberators. Temple (amber) occupies a dramatic, large indoor space by implementing numerous long reflections in both parallel and series. And Cosmos (purple) creates an enormous spectrum of heavenly reverb derived from the harmonic content it's fed.

Cosmosis 1 also features our signature 'Morph' function that allows musicians to alter their settings in real-time with a long press on the footswitch. This feature provides a simple way for players to trigger a gradual change to various reverb parameters simultaneously. Players can set both "red" and "green" values on their Tone, Blend, and Size knobs, then engage the Morph to traverse the difference between these values as indicated by the color-changing Engage LED. Create elegant morphs for subtle movement or sweeping, cinematic morphs for dramatic sound design effects. Stereo functionality is available via the TRS output jack. Cosmosis 1 runs on standard 9VDC power.

# EXPLANATION OF CONTROLS



## Rear Panel I/O

### 1 Input

Use this input for mono sound sources.

### 2 Output

Main audio output. This jack expects a [TS] ¼" instrument cable for mono operation or a [TRS] ¼" cable for stereo operation. Amp, mixer, or DI goes here.

### 3 Power

Cosmosis 1 runs on 9VDC @100mA power using a standard 2.1mm Neg. tip power supply.

## Knobs & Switches

### 4 Blend

Sets the balance between wet (reverb) and dry (clean signal).

### 5 Tone

Clockwise from noon, this control applies a high-pass filter, making the reverb sound brighter. Counter-clockwise from noon, this control applies a low-pass filter, making the reverb sound darker.

### 6 Size

Sets the size of the reverb space. A Push and Hold on the SPACE button turns the Size knob into a Morph Rate control. This sets the amount of time it takes for parameters (size, blend, tone) to change values when the morph function is triggered. When holding down the size button, the Preset light will blink to indicate that the Morph Rate control function is active for the Size knob.

### 7 Space

Push to toggle through 3 available reverb spaces:

Purple = Cosmos

Amber = Temple

Blue = Theatre

## **8** Preset

The color of the PRESET switch indicates which preset is currently selected. Pressing the preset switch cycles through the 3 available presets.

Preset 1 = Purple

Preset 2 = Amber

Preset 3 = Blue

To save a preset after making changes, long press the preset button. This action will cause the current preset LED to double-blink. If you want to save to over the current preset, long press again on the preset button to save. If you want to save to a different preset, short press the preset button until the desired color is double blinking. Then long press the preset button to save. If you want to exit the preset save without saving anything, press the ENGAGE footswitch.

## **9** Engage Footswitch

A short press on the footswitch toggles between bypass and effect on.

A long press on the footswitch can be configured to trigger the morph function or to allow for preset selection based on the boot option currently selected.

The default option is for a long press on the ENGAGE footswitch to trigger the Morph function. This causes all three parameters controlled by the onboard knobs to oscillate between red and green states as indicated by the bypass LED.

Once a morph has been started, a long press on the footswitch within 2 seconds parks the morph at the opposite state from where it was previously set (red or green).

Once a morph has been started, a long press on the footswitch after 2 seconds parks the morph at whichever state it is currently heading toward (red or green).

The alternate long press function (see boot options below) for the footswitch enables Preset Select mode. When preset select function is turned on using the boot option, a long press on the footswitch will enter the Preset Select mode, the preset LED will get dimmer and a short press on the footswitch will cycle through the presets. Once the desired preset is queued, a long press on the footswitch will activate it.

When the footswitch is used to load a preset, the bypass status of the effect will not change.

## Morphing Behavior

When the morph function is triggered, Cosmosis 1 will remember any changes to the knob positions in both red and green states. When the position of a knob is changed during a morph, the new value is memorized when the morph reaches the destination color.

There is a hidden "MORPH RATE" control function that allows the SIZE knob to set the amount of time it takes for parameters (size, blend, tone) to change values when the morph is triggered. To access the MORPH RATE control, hold down the SPACE button. After a moment, the PRESET light will blink. Once the PRESET button is blinking, keep holding down the SPACE button while adjusting the SIZE knob in order to set the MORPH RATE. Once set to the desired value, let go of the SPACE button to return the SIZE knob to its normal function.

## Boot Options

You can press and hold certain switches during boot up to toggle special functions:

**Engage Switch** = TRAILS:

Disconnects delay line input but leaves delay line output connected in bypass for natural decay of reverb after bypass.

**Space** = FOOTSWITCH LONG PRESS FUNCTION:

Toggles the functionality of a long press on the footswitch between Morphing and Preset Selection as detailed above.

**Preset + Space + Footswitch** = FACTORY RESET:

Restores the original factory presets that shipped with Cosmosis. Any preset data you have previously saved will be erased.

# ***PIGTRONIX LIMITED WARRANTY***

Your new Pigtronix product is warranted to be free from defects in materials and workmanship for 1 year from the original date of purchase. Warranty applies only to the original retail purchaser of a registered Pigtronix product, subject to the limitations contained in this warranty.

THIS WARRANTY IS EXTENDED TO THE ORIGINAL RETAIL PURCHASER OF PIGTRONIX PRODUCTS BOUGHT ON OR AFTER JANUARY 1, 2020 ONLY AND MAY NOT BE TRANSFERRED OR ASSIGNED TO SUBSEQUENT OWNERS. IN ORDER TO VALIDATE YOUR WARRANTY, AND AS A CONDITION PRECEDENT TO WARRANTY COVERAGE HEREUNDER, YOU MUST REGISTER YOUR PRODUCT WITHIN THIRTY (30) DAYS FOLLOWING THE ORIGINAL DATE OF PURCHASE. YOUR PROOF OF PURCHASE OR SALES RECEIPT MUST ACCOMPANY ALL REQUESTS FOR WARRANTY COVERAGE— YOU MAY SUBMIT YOUR RECEIPT ON THE REGISTRATION FORM. IF YOU DO NOT REGISTER THE PRODUCT WITHIN 30 DAYS OF PURCHASE, YOUR PRODUCT WILL NOT BE SERVICED UNDER WARRANTY.

If your product is destroyed, lost or damaged beyond repair while in the possession of Pigtronix for repair, Pigtronix will replace that product with one of the same or most similar style of a value not in excess of the original purchase price of your pedal. Any insurance covering the pedal, including but not limited to collector's value insurance, must be carried by you at your expense.

This warranty covers the cost of both labor and materials on repairs deemed necessary by our Customer Service Representative.

## THIS WARRANTY DOES NOT COVER:

- Any product that has been altered or modified in any way or upon which the serial number has been tampered with or altered.
- Any product whose warranty has been altered or upon which false information has been given.
- Any product that has been damaged due to misuse, negligence, accident, or improper operation.
- The subjective issue of tonal characteristics.
- Shipping damages of any kind.
- Any product that has been subjected to extremes of humidity or temperature
- Normal wear and tear
- Any product that has been purchased from an unauthorized dealer, or upon which unauthorized repair or service has been performed.

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**Steps To File for Warranty Coverage:**

1. Register your new guitar at <http://pigtronix.com/warranty>
2. Complete the warranty request form available at <http://pigtronix.com/support> and we will handle it from there!

## ***CONTACT INFORMATION***

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