



eyris



Thanks for purchasing this warped controller. Eyris operates in two modes: Scales and Control. Scales Mode outputs MIDI note data and Control Mode outputs continuous control, pitchbend or channel pressure data. Bypass Mode disables Eyris's sensor and allows the user to set and save MIDI channel and controller numbers. Eyris has a total of 16 buttons, two knobs and one toggle switch which are used to manipulate its MIDI output. Indicators include 12 multicolor LED's, and jacks include one MIDI Out and one AC Power In. Battery operation is optional.

TOGGLE SWITCH [Scales, Control, Bypass] – Allows you to switch between operational modes. This switch can be thrown at any time. If you are playing notes in Scales Mode flip this switch to Control Mode in order to hold a note that is playing and begin affecting the note with control data.

ON/OFF & DENSITY KNOB – Switch Eyris on and off with this knob as well as set the density of data in the Eyris's sensing zone while in Scales Mode.

COLOR KNOB – In Scales Mode this knob changes between dozens and dozens of musical scale configurations. Experiment with this knob while playing to hear your output change from something like a major scale made up of single notes to a pentatonic minor chordal scale made up of roots, 3rd's and 5th's.

KEYBOARD BUTTONS [C4 – B4] – In Scales Mode these buttons trigger MIDI notes C4 – B4 and change the root key of the scale that is being played. In Control Mode these buttons trigger MIDI notes C4 – B4.

SETUP BUTTONS [A/Channel, B/Controller, C/Enter] – In Bypass Mode these buttons are used to set MIDI channel, set continuous controller #'s, and enter those parameters once they are set. In Control Mode these buttons choose which of the 3 controllers is currently active in the sensing zone.

HOLD BUTTON – Press this button quickly to hold a note in Scales Mode or hold output in Control Mode. Press again to continue playing.

LED READOUT BAR – The multicolored LED's indicate: position and motion through the sensing area in Scales and Control Mode, MIDI channel and controller #'s during setup, and current musical key in Scales Mode.



OPERATION INTRO:

Connect MIDI Out of Eyris to MIDI In of any sound source (synthesizer, sampler, tone module, keyboard, etc.). Set your sound source to receive on MIDI Channel 1. Turn on Eyris. Its factory default is MIDI channel 1 and controller A is Mod (#1), controller B is pitchbend up (#129) and controller C is pitchbend down (#130). Set the Eyris toggle switch to Scales.

Place your hand flat out in front of you and wave it slowly through the blue light above the Eyris. Watch the LED readout and familiarize yourself with the radial aspect of light dissipation and how it relates to the tones you hear. Approach the blue light from above until you hear a tone and then pat the edges of the sensing area with the palm of your hand as if there were actually something there, however instead of feeling the sensing space you will hear it. Place your hand flat in the blue light about 8 inches above the unit and slowly rotate your hand until it is in a handshake position. Notice how this motion emulates moving your hand away from the unit. This is because you are changing the size of the surface area that is reflecting light.

Move your right hand through the blue light and use your left hand to change the positions of the Color and Density knobs. You will hear changes in the number of octaves your scales are covering as well as changes in what scale you are playing and how many notes make up each step of the scale.

While playing through scales flip the Eyris toggle switch to its Control position. Any notes that are sounding when you flip the switch will be held and you can now shape the sonic tone of those notes with the controller aspect of the Eyris. Pressing A, B or C will change your active controller from mod to pitch up or pitch down. Flipping back to Scales Mode changes the sensing zone from controller data to notes so you can continue playing musical scales.

THE REST IS UP TO YOUR OWN EXPLORATION !!!



SETTING MIDI CHANNEL:

- ▮ ● SWITCH EYRIS TO BYPASS MODE.
- ▮ ● PRESS CHNL. (LIGHTS BLINK GREEN)
- ▮ ● PRESS A TO INCREASE MIDI CHANNEL. (LED READOUT INCREASES)
- ▮ ● PRESS B TO DECREASE MIDI CHANNEL. (LED READOUT DECREASES)
- ▮ ● PRESS ENTR TO STORE CHANNEL. (LIGHTS BLINK RED).

- ▮ THE MIDI CHANNEL IS NOW WRITTEN TO MEMORY AND WILL
- ▮ NOT RESET ON POWER DOWN.

SETTING CONTROLLER #'S:

Eyris allows you to set up 3 continuous controllers. Only one can be manipulated at a time but pressing buttons A, B or C while you are playing in Control Mode lets you quickly switch back and forth among them. Therefore, a note from Scales mode or a note you are pressing on the keypad or a note playing on an external device can be tweaked by 3 different controllers without leaving Control Mode. The following is a description of how to setup buttons A, B and C to represent 3 separate continuous controller numbers:

- ▮ ● SWITCH EYRIS TO BYPASS MODE.
- ▮ ● PRESS CTRL. (LIGHTS BLINK RED)
- ▮ ● PRESS THE BUTTON A, B OR C YOU'D LIKE TO SETUP. (LIGHTS BLINK RED)
- ▮ ● NOW PRESS A TO INCREASE CONTROLLER #. (LED READOUT INCREASES)
- ▮ ● OR PRESS B TO DECREASE CONTROLLER #. (LED READOUT DECREASES)
- ▮ IF YOU ARE WONDERING WHAT CONTROLLER #'S ABOVE 127 REPRESENT...
- ▮ 128 = CHANNEL PRESSURE, 129 = PITCHBEND UP, 130 = PITCHBEND DOWN
- ▮ ● NOW PRESS ENTR TO STORE THE CONTROLLER # TO MEMORY. (LIGHTS BLINK GREEN)
- ▮
- ▮ REPEAT THIS PROCESS FROM STEP 2 TO SETUP ALL THREE BUTTONS TO
- ▮ REPRESENT DIFFERENT CONTROLLERS. THEY WILL BE STORED IN MEMORY
- ▮ EVEN WHEN YOU TURN EYRIS OFF.



NOTES:

Experiment with the enclosed reflective tape strips which greatly increase the size of the sensing zone. A strip can be adhered to the underside of a guitar headstock in order to track its movement and feed continuous control to an effects unit. Rotating, flicking or covering and uncovering a strip which is in the sensing zone introduces all kinds of new possibilities. Eyris's sensing properties are greatly amplified with these reflectors.

Do not use the AC adaptor if you insert batteries into Eyris. Operate the unit with either the AC adaptor or batteries (8 AAA) but never both. This can result in damage to your unit.

When using batteries remember to turn the unit off when not in use because power is consumed as long as it remains powered up. Eyris's performance will decrease as its batteries get low. Ideal Eyris usage is achieved with AC adaptor operation.

Panic Button – Press the 'Hold' button while in Bypass Mode to send All Notes Off on all 16 MIDI Channels.

Eyris is factory upgradeable as new features become available.

SYNESTHESIA CORPORATION

8491 Sunset Blvd. #124
Los Angeles, CA 90069

760.875.7655 fax
info@synesthesiacorp.com