

C-LEVEL Audio Processing Gadget

Preliminary User Guide

Thanks for purchasing the C-LEVEL program audio leveling processor. We are grateful! The user guide is in the queue and should be published in a few months. Meantime, here are some operating notes to help you enjoy your new gadget.



For safety and mounting information, please see the Failsafe Gadget user guide:

https://angryaudio.com/wp-content/uploads/2022/08/AA_FailsafeGadgetUserGuide_2208031.pdf



C-LEVEL has an internal power supply, configured at the factory for either 115V or 230V. The captive power cable is fitted with the appropriate plug for the intended region. Do not attempt to modify the plug or the power supply. If your Gadget does not have the proper plug/voltage for your region, contact the factory to arrange a return/replacement.

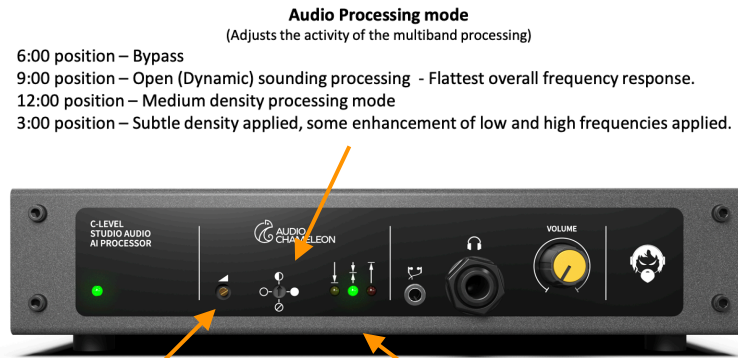
The C-LEVEL is equipped with both analog and digital audio inputs and outputs. Best performance will be achieved using the digital input and output (AES/EBU) on StudioHub+ RJ45 connectors. To select the DIGITAL IN as the audio source, flip DIPswitch B to the up position.

Analog inputs and outputs are presented on both XLR and StudioHub+ RJ45 connectors. A convenient ANALOG THRU is useful for daisy chaining the same source to multiple devices.

The Analog Output on the StudioHub+ RJ45 connector also provides $\pm 15\text{VDC}$ to certain types of connected devices. It is possible for example, to feed power and processed audio over a single CAT5 cable from this output to an Angry Audio Headphone Gizmo.

The front panel controls are straightforward. The headphone amplifier with volume control has both 6.3mm and 3.5mm jacks. The jacks are mutually exclusive. **Exercise caution with headphone volume! It is possible to cause permanent hearing damage with excessive volume!**

The graphic below explains the processing functions.



Audio Processing mode
(Adjusts the activity of the multiband processing)

- 6:00 position – Bypass
- 9:00 position – Open (Dynamic) sounding processing - Flattest overall frequency response.
- 12:00 position – Medium density processing mode
- 3:00 position – Subtle density applied, some enhancement of low and high frequencies applied.

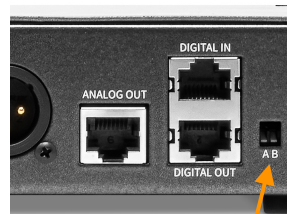
Output Level Control

At 20 turns clockwise (Default position), the true peak output level of Audio Chameleon C-Level is -1 dBFS. This can be turned down to accommodate for any gain in the system AFTER C-Level. There will be "gain" after C-Level if connected to equipment with -10 dB reference levels, so this control can be used to adapt, though one of our Balancing Gadgets would be the best choice in this Situation!

Activity LED's

- Amber LED** = "Gain Lock" indication.
 - Indicates processing is frozen (also called "gated").
- Green LED** = Actively processing Audio
- Red LED** = Input is being overdriven (Input clipping indicator)

The C-LEVEL Precision Loudness Controller can be engaged or bypassed via the rear panel DIPswitch. Place DIPswitch A in the up position for AES/ITU 1770 loudness control mode (recommended).



A: 1770 Loudness control mode:

- Up** = AES / ITU 1770 mode (recommended)
- Down** = Dual Mono mode (For special case usage)

B: Audio Input:

- Up** = AES/EBU Input
- Down** = Analog Input

Part Numbers:

| | |
|----------------|---------|
| North America | 991037 |
| Australia | 991037A |
| Europe | 991037E |
| United Kingdom | 991037U |

Specifications:

| | |
|-----------------------|---|
| Analog Input | Balanced +4dBu Stereo XLR/F connectors Balanced +4dBu Stereo RJ45F connector (StudioHub+ pinout) |
| Analog Through | Parallel to Analog Input (StudioHub+) |
| Analog Output | Balanced +4dBu Stereo XLR/M connectors Balanced +4dBu Stereo RJ45F connector (StudioHub+ includes $\pm 15\text{VDC}$) |
| Digital Input | Transformer isolated, AES/EBU, RJ45F connector (StudioHub+) ASRC, 44.1kHz to 48kHz sampling rate |
| Digital Output | Transformer isolated, AES/EBU, 48kHz S/R, RJ45F connector (StudioHub+) |
| Power Input | 115VAC 50/60Hz (North America Version) |
| Power Input | 230VAC 50/60Hz (Australia, Europe, United Kingdom Versions) |
| Power Consumption | 10VA |
| Operating Temperature | 0° to 40° C (32° to 104° F) |
| Storage Temperature | -20° to 45° C (-4° to 113° F) |
| Relative Humidity | 0% to 90% non-condensing |
| Cooling | Venting chassis (fanless) |
| Product Dimensions | 8.5 x 6.25 x 1.7 inches (21.6 x 16 x 4.32 cm) |
| Product Weight | 3.5 pounds (1.59 kg) |
| Shipping Dimensions | 12 x 9 x 6 inches (30.5 x 22.9 x 15.3 cm) |
| Shipping Weight | 5 pounds (2.27 kg) |
| Included in the box | C-LEVEL Processing Gadget, pocket trimpot adjustment tool |

That's it. If you have any questions, give us a shout at:

answers@angryaudio.com

Use your new gadget in good health!

Your friends @ Angry Audio

