

Chameleon Labs

Model CPS-501 Powered Chassis

Owner's Manual

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Your Model CPS 501 Powered Chassis has been carefully constructed and individually tested for quality and reliability.

This unit is made with hand selected components, and was designed to accept API® standard format 5.25" X 1.5" modules. It is fabricated to comply with the 500 series powered chassis requirements. This chassis will power all modules that conform to the VPR Alliance.

Your Model CPS 501 represents a dramatic breakthrough in delivering quality performance at an affordable price.

Features of the Model CPS 501:

- Powers API® 500 series compliant modules;
- Pin #15 can be lifted to remove 48V when not desired;
- Complies to Neve Portico® dimensions for placement into Neve® console penthouse frames;
- Contains internal, regulated power supply;
- Uses AC adapter to locate the power transformer away from sensitive electronics;
- AC daisy chain power cord ports for powering up to nine units with one AC adapter;
- Can be used as a desktop, single or dual rack mount with optional mounting kits;
- XLR input jack and XLR output jack are located on the rear panel;
- TRS expansion jack with activation push button are located on the rear panel;
- Thick, 6mm front panel and steel chassis construction;
- Push buttons are LED illuminated;
- Power selector on the front panel;
- One-year warranty

Front Panel Controls:

General rule: When the button is pressed in, the feature is selected.

Power-

This button supplies required power to the module via the standardized connector inside the rear of the chassis.

Rear Panel Controls:

Special-

This illuminated push button will connect an unbalanced signal input and unbalanced signal output to the TRS connector located beside it. This will allow modules, which are inserted into the module, to have an INSERT connection. This will allow a single TRS cable to connect gates, limiters, equalizers, etc. to an insert plug on other manufacturer's equipment.

Inserting modules

The Chameleon Labs CPS 501 Powered Chassis has been designed to power any module that conforms to the API® VPR Alliance standard.

All connections are made when the module is inserted into the chassis.

CAUTION:

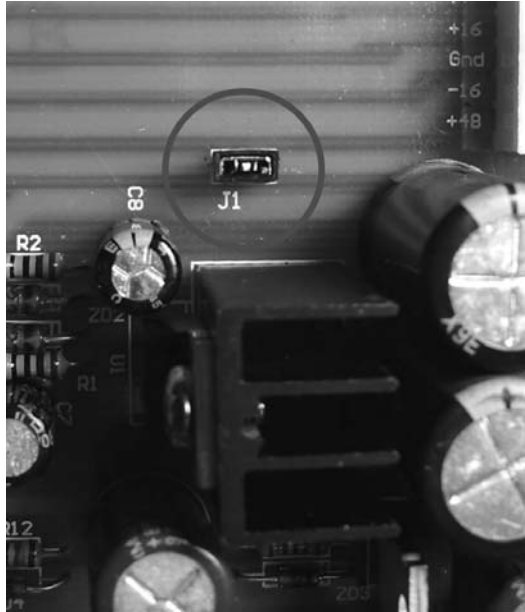
Based upon the module that you are powering, you may need to remove the Pin 15 Jumper J1 if +48 volts will damage the module that you are inserting.

Some modules use Pin 15 for other than +48 volts and **MUST NOT** be inserted into this chassis with the jumper installed; this will damage the module. Consult your module's product manual.

Chameleon Labs is **NOT** responsible for any module damaged in this way. Preamplifier modules with 48 volt phantom power will not require any change.

Removing Jumper J1:

While the unit is unplugged, remove the top cover of the CPS-501 to gain access to the jumper. Remove the internal 48 Volt Jumper J1 (pictured below).



Take care to align the module's circuit board with the edge connector at the rear of the chassis. Press the module into the chassis so that it fits flush with the front panel of the chassis. Tighten the two 4-40 mounting screws to secure the module.

First time users

Set up of the Model CPS 501 Powered Chassis

1- Confirm that the Pin #15 power issue is correct. *This is very important as it can cause serious damage to modules.*

2- Press the Power button in to turn on the chassis after plugging in the supplied 24 volt adapter. The correct adapter will be supplied with your unit based upon your country.

3 - Attach your XLR connectors to the Input and Output plugs on the rear of the chassis. *Pin #2 is hot, Pin #1 is ground and Pin #3 is common.*

4 – The TRS jack marked SPECIAL with its associated push button provides for an insert (send-return, unbalanced) function for applicable modules.



Technical Specifications

XLR Wiring: Pin #2 is hot, Pin #1 is ground and Pin #3 is common.

Main Connector Connections

- 1- Chassis Ground
- 2- Signal Output High (+4 *Pin #2*)
- 3- Signal Output High via rear PB and TRS
- 4- Signal Output (Low *Pin #3*)
- 5- Audio Ground (*Pin #1*)
- 6- N/C
- 7- Signal Input (Low *Pin #3*)
- 8- Tied to Pin #7
- 9- Signal Input High via rear PB and TRS
- 10- Signal Input High (+4 *Pin #2*)
- 11- N/C
- 12- +16 V.D.C. Input
- 13- Power Ground
- 14- -16 V.D.C. Input

15- +48 V.D.C. Phantom Power Input

Special T.R.S. Rear Connector

Tip- Signal output

Ring- Signal input

Sleeve- Audio Ground

Dimensions and Weight

Weight: 2 pounds 10 ounces

Dimensions: Width – 9.33”, Height – 1.73”, Depth – 8.12”

Power Input: 24 V.A.C., Maximum Current 1.75 A.

Mounting Options

Standard Desktop Use:



***Additional Parts Required:
None***

Rack Mount – 19” – 1U – single unit:



***Additional Parts Required:
Model CFP blank 1U panel
Model CJP joining piece***

Rack Mount – 19” – 1U – two units:



***Additional Parts Required:
Model CJP joining piece***

Vertical Mount into penthouse frame intended for
Neve® Penthouse Modules:



***Additional Parts Required:
None***

Warranty and Liability

Your Chameleon Labs product is warranted to the original owner for a period of one year. Chameleon Labs guarantees this product to be free from electrical and mechanical defects and will repair or replace defective components, or replace the unit at Chameleon Lab's option. Should service be required for your Chameleon Labs product, please contact the manufacturer. Service is provided for products beyond the warranty period. Seller warrants that the goods are described in this agreement, but no other express warranty is made in respect to the goods. The entire risk as to the quality and performance of the good is with the buyer. Seller disclaims all warranties either expressed or implied, including any implied warranty of merchantability or fitness for a particular purpose, and seller neither assumes nor authorizes any other person to assume for it any liability in connection with the sale of said goods.

MODEL NUMBER _____

SERIAL NUMBER _____

DATE OF PURCHASE _____

PURCHASED FROM _____

Please visit www.chameleonlabs.com for the latest updates and technical information.