

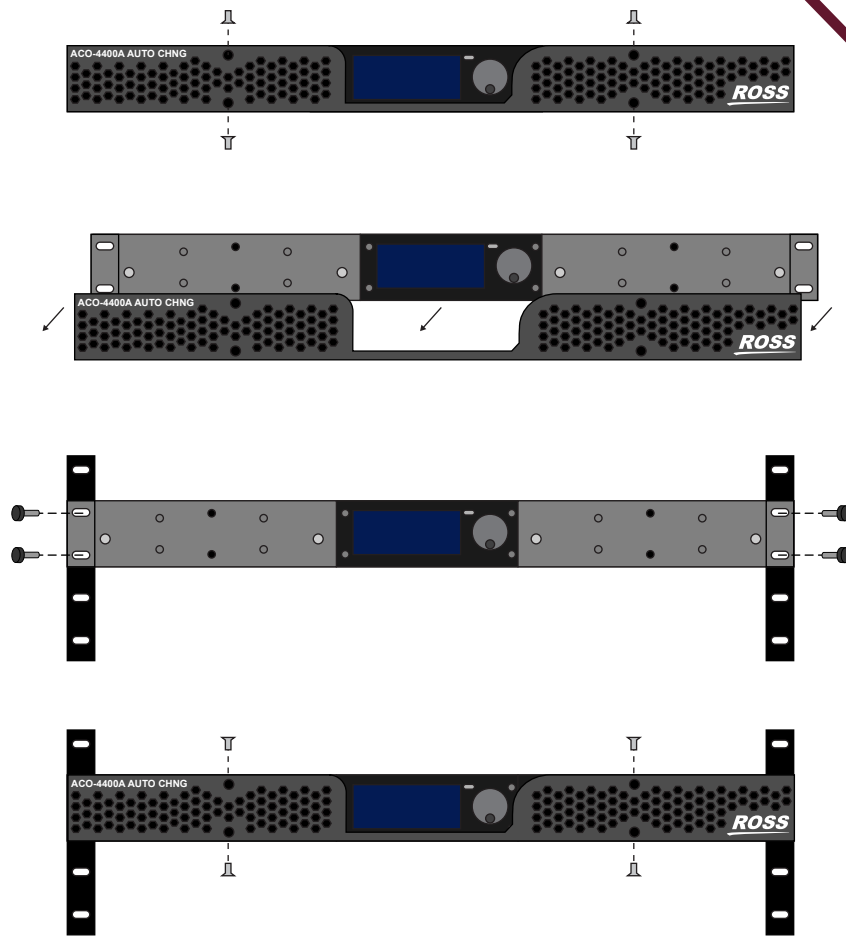
# ACO-4400A Installation and Cabling



Before you set up and operate your ACO-4400A, see the "Important Safety Instructions" section in the ACO-4400A User Manual.

The ACO-4400A User Manual is available on the Documentation Disc that shipped with your unit.

## Rack Mounting

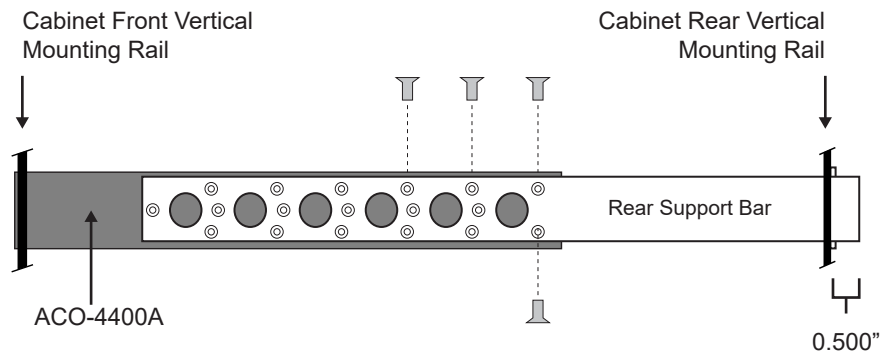


## Rear Support Brackets

**Warning:** Do not use the support brackets to carry the ACO-4400A. The brackets are not primarily designed for this purpose, and property damage or personal injury may result.

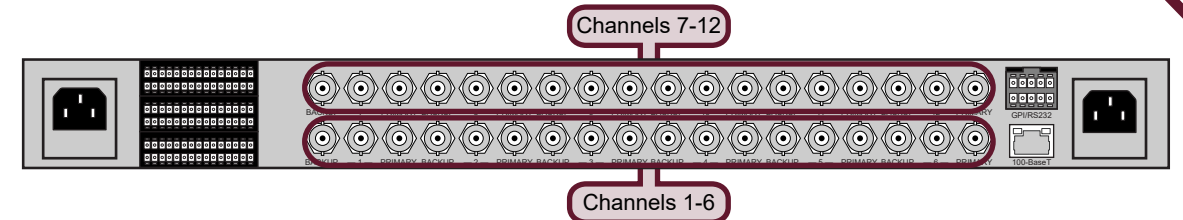
### To install the support brackets

1. Select a mounting position that allows rear support bars to slide into slots of the brackets.
2. Choose the position that suits the cabinet depth and gives approximately a 0.5" projection beyond the previously mounted bracket.
3. Using four screws per bracket, attach both bars.

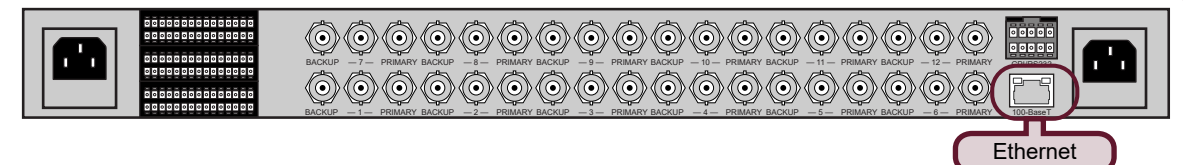


4. Mount the frame to the front rails of the rack cabinet using rack screws.
5. At the rear of the cabinet:
  - a) Slide the bracket slots over the rear of the support bars.
  - b) Secure to the cabinet rear rails with rack screws.

## BNC Cabling

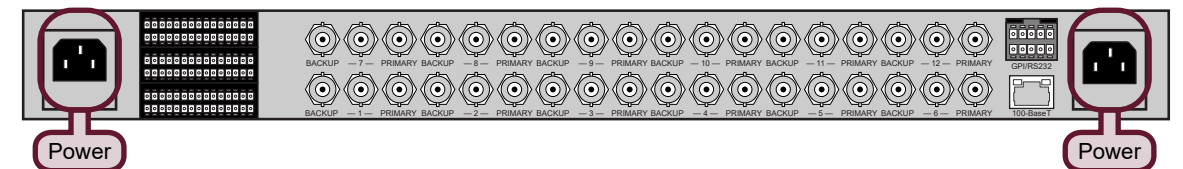


## Communications Cabling



**Note:** The GPI/RS-232 port is not implemented.

## Power Connections



**Note:** The ACO-4400A powers on automatically when the power supply is plugged in.

## Specifications

| Physical Specifications |                        |
|-------------------------|------------------------|
| Clearance               | Side: 2.00" (50mm)     |
|                         | Rear: 3.00" (75mm)     |
| Height                  | 1.71" (43.5mm)         |
| Width                   | 19.00" (482.5mm)       |
| Depth                   | 15.95" (405mm)         |
| Temperature             | Op: 0°C to +40°C       |
|                         | Non-op: -20°C to +60°C |

| BNC Channels (Per Channel) |                             |
|----------------------------|-----------------------------|
| Connector Type             | 3 x 75ohm BNC               |
| Return Loss                | >20dB to 1GHz               |
|                            | >14dB to 3GHz               |
| Max. Switched Voltage      | 30V DC (30V AC)             |
| Max. Switched Current      | 0.5A                        |
| Relay Switch Time          | Set time: max. 3.5ms        |
|                            | Release time: max. 2.5ms    |
|                            | Set/Release time: max. 10mS |
| Insertion Delay            | <1ns                        |

| Ethernet Interface        |                              |
|---------------------------|------------------------------|
| Connector Type            | RJ45 - 8P8C                  |
| IEEE Standards Compliance | 802.31-1990,<br>802.3u-1995, |

| AC Power Source                   |                      |
|-----------------------------------|----------------------|
| Operational Voltage Range         | 120-230VAC 50-60Hz   |
| Absolute Limits Voltage Range     | 90-264VAC, 47-63Hz   |
| Operational AC Current (each PSU) | <130mA @ 230VAC      |
|                                   | <200mA @ 120VAC      |
| Surge Current (each PSU)          | <40A @ 230VAC        |
|                                   | <20A @ 120VAC        |
| Power Consumption (dual PSU)      | 46VA (21W)           |
|                                   | Single output, AC-DC |

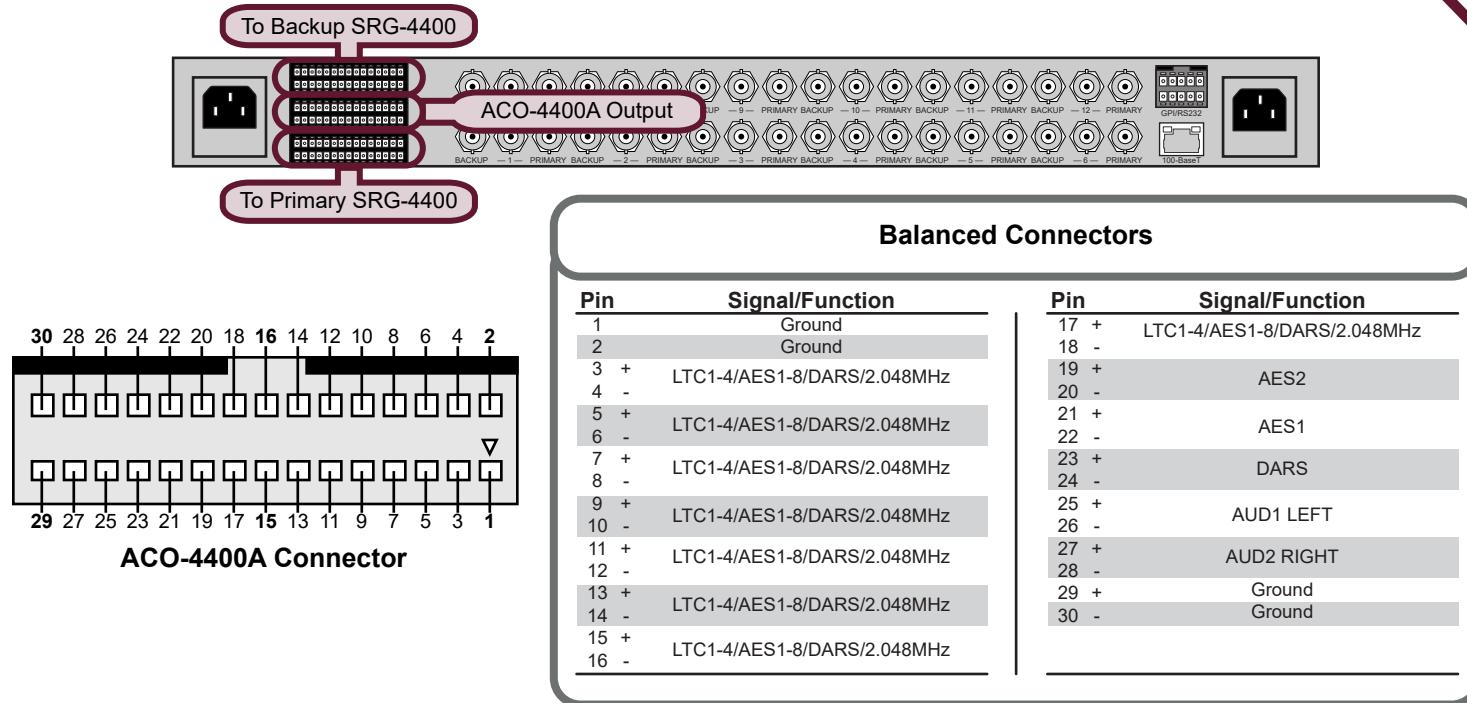
| Balanced (Unmonitored Channels, Relay) |                            |
|--|----------------------------|
| Connector Type                         | MicroClasp™ 2mm            |
| Return Loss                            | >17dB to 50MHz             |
|  | >4dB to 270MHz             |
| Max. Switched Voltage                  | 48 V DC (24V AC)           |
| Max. Switched Current                  | 1A                         |
| Relay Switch Time                      | Set time: max. 3ms         |
|  | Release time: max. 2ms     |
|  | Set/Release time: min. 9mS |
| Insertion Delay                        | <1ns                       |

# ACO-4400A Installation and Cabling



Before you set up and operate your ACO-4400A, see the "Important Safety Instructions" section in the ACO-4400A User Manual. The ACO-4400A User Manual is available on the Documentation Disc that shipped with your unit.

## Connecting an SRG-4400

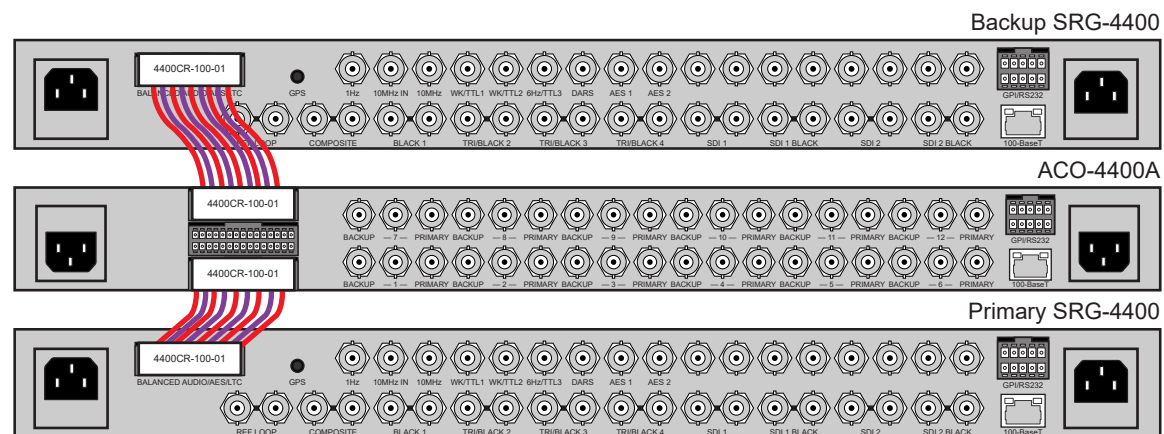


### To connect the Primary SRG-4400 to the ACO-4400A

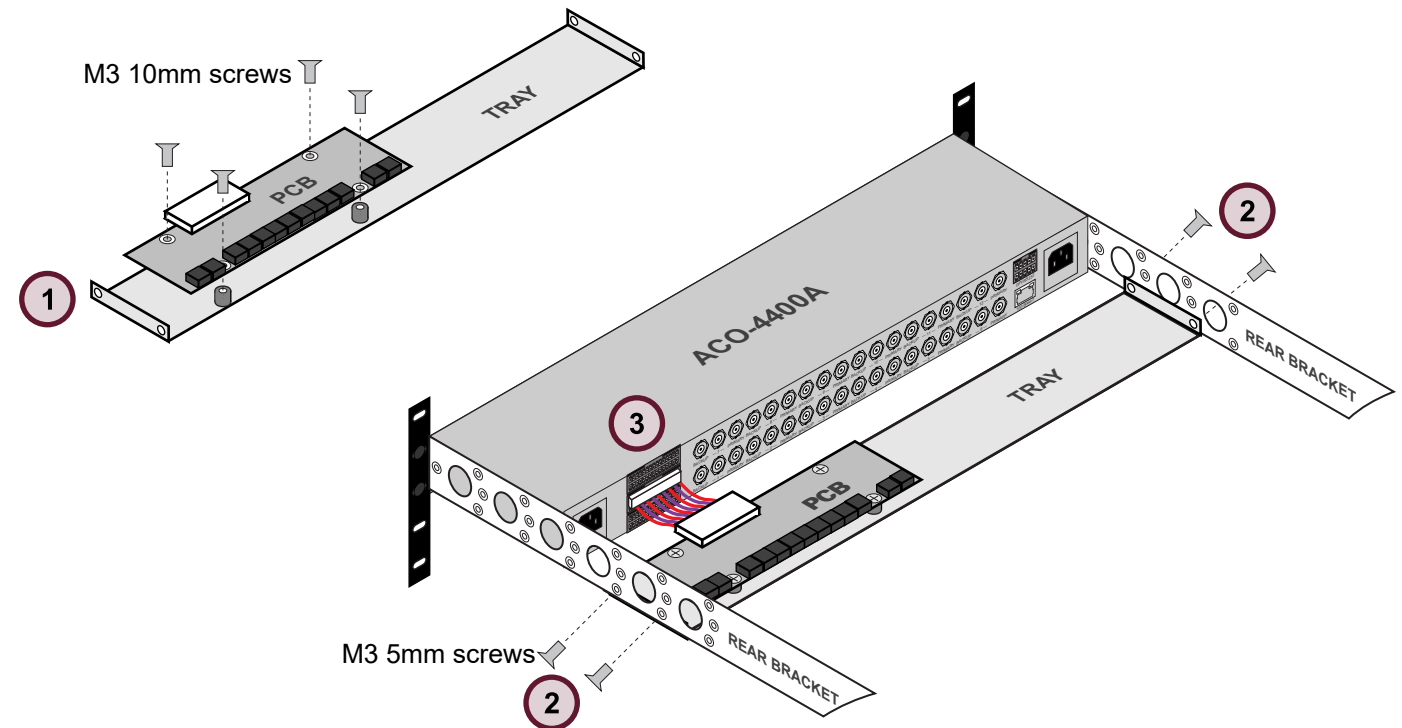
1. Connect one end of an Interface Cable (PN 4400CR-100-01) to the **BALANCED** connector on the Primary SRG-4400 rear panel.
2. Connect the other end of the same Interface Cable to the **bottom** 30-pin connector on the ACO-4400A rear panel.

### To connect the Backup SRG-4400 to the ACO-4400A

1. Connect one end of an Interface Cable (PN 4400CR-100-01) to the **BALANCED** connector on the Backup SRG-4400 rear panel.
2. Connect the other end of the same Interface Cable to the **top** 30-pin connector on the ACO-4400A rear panel.



## Installing the Breakout PCB



## Set the IP Address

**Note:** You must set the IP address of the ACO-4400A from the front control panel after power up. Contact your facility Network Administrator for the required network settings.

### To set the IP Address for the ACO-4400A

1. Use the **Rotary/Push Control** dial on the front panel to display the **Network Menu** on the front control panel: Operational Menu > System Menu > Network Menu.

```

Network Menu
IP Address           = 000.000.000.000
Subnet Mask         = 000.000.000.000
Gateway             = 000.000.000.000
MAC Address         = 00:00:00:00:00:00
    
```

2. Use the **Rotary/Push Control** dial to set the IP Address, Subnet Mask, Gateway, and MAC Address for the ACO-4400A.
3. Use the **Back** button to return to the Operational Menu.



Having a problem? Call our free, 24-hour technical support hotline to speak with a live product specialist located right here in our facility.

Tel: (+1) 613 • 652 • 4886  
Email: techsupport@rossvideo.com