

# Bose CC-PS1

## Connections



The CC-PS1 is an optional PSU for the CC-64 and CC-16

The CC-64 requires a minimum of 300mA at 15V. For convenience and consistency, we recommend locating the power supply in an equipment area with the network connection.

The CC-64 can get power over the network cable, from a local power supply, or from a remotely located power supply with a separate run of cable. The required cable AWG is dependent on the length of the run – the longer the run, the higher the voltage drop in the cable and the lower the required cable AWG.

Use the ControlSpace™ accessory power supply or other suitable supply. Individual country requirements are:

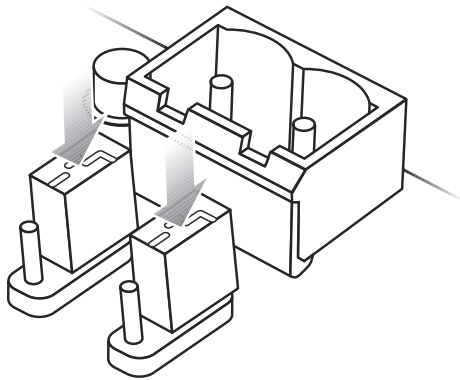
- North America: Power supplies used in North America must be NRTL listed and/or CSA certified Class 2 supplies, as appropriate.
- Europe: Power supplies used in Europe must be in compliance with EN/IEC62368-1.
- Japan: Power supplies used in Japan must be in compliance with DENAN Law and have the PSE mark.

**CAUTION:** *Never use more than one power supply on the same wire. This could cause slight differences in voltage that could short circuit currents and damage the power supplies and/or the CC-64 control center.*

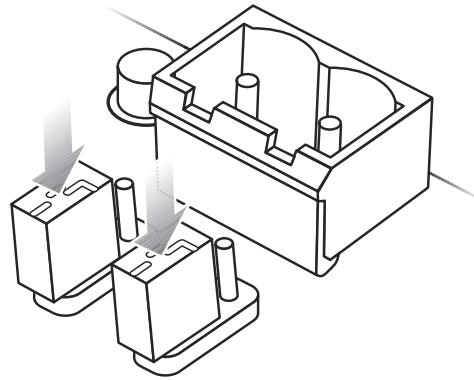
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## Changing the power input jumpers

Power can be supplied directly to the 2-terminal Phoenix connector or over the Ethernet cable. By default, the CC-64 is configured for power from the power connector. If you choose power over the Ethernet cable, remove the four screws on the rear cover and move the two jumpers as shown below.



Power from power  
connector setting  
(Default)



Power from Ethernet  
connector setting

## Power-over-Ethernet wiring

The following table lists the pin-outs for the RJ45 plug (on the cable) that is to be used with the CC-64.

### RJ45 Plug Wiring

RJ45 Plug	Color	Function
1	WHITE/orange	Transmit Data+
2	ORANGE/white	Transmit Data–
3	WHITE/green	Receive Data+
4	BLUE/white	Power (optional)
5	WHITE/blue	Power (optional)
6	GREEN/white	Receive Data–
7	WHITE/brown	Ground (optional)
8	BROWN/white	Ground (optional)

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### Wiring a power supply to the RJ45 plug

The diagram below illustrates how to connect a power supply to inject power over the Ethernet connection. Connect the ground wire from the supply to the BROWN/white and WHITE/brown wires of the Cat-5 cable. Connect the power wire from the supply to the BLUE/white and WHITE/blue wires of the Cat-5 cable.

**CAUTION:** Cut the brown and blue pair wires when connecting power to the CC-64 over the Ethernet connection. Connecting power over the Ethernet cable to other devices such as routers may cause damage to that equipment.

