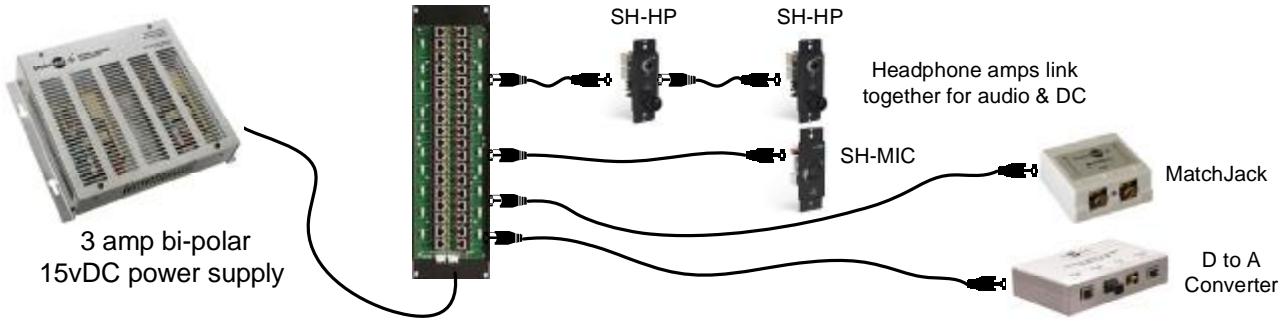


How to Power StudioHub+

Many StudioHub+ devices are active and are powered by +/- 15vDC. Power can be supplied via the StudioHub+ "DC-Link" system that uses CAT-5 pair #4 (White/Brown) for power (see diagram next page.) Or, power can be supplied via a separate "wall-wart" or desk-top power supply.

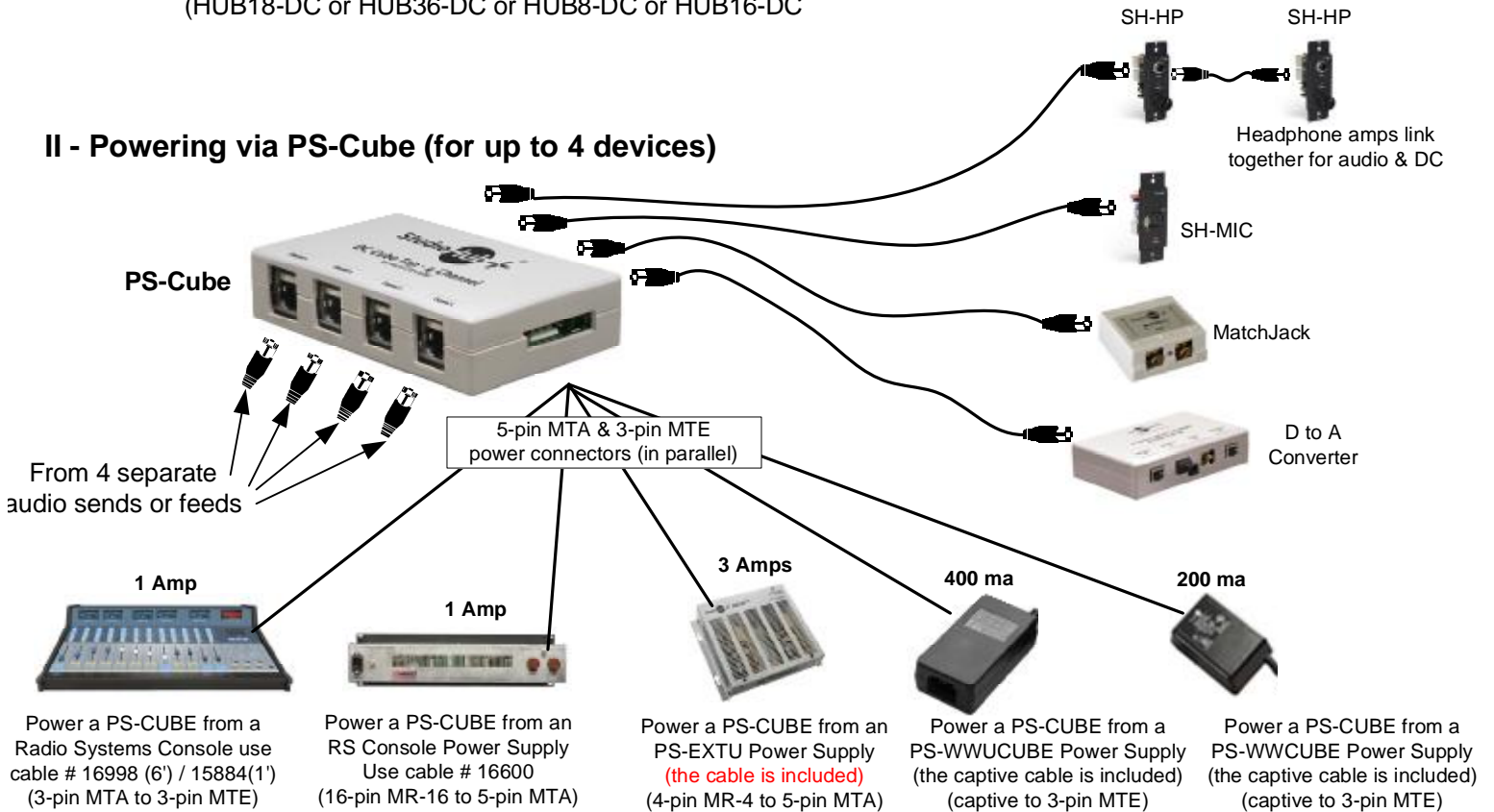
See current consumption chart to determine how many devices can be powered with different systems.

I - Powering Via a Hub (for up to 16 devices)



Use any Hub in which the model number ends in "DC"
(HUB18-DC or HUB36-DC or HUB8-DC or HUB16-DC)

II - Powering via PS-Cube (for up to 4 devices)

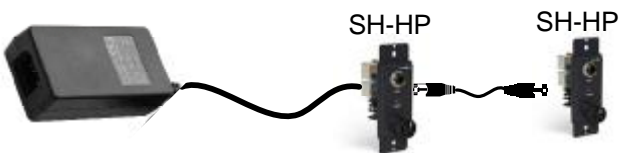


III - Powering via a "Wall Wart" or Desk-Top Power Supply

Power an individual MatchJack or Panel from a PSWW-SH Power Supply (the captive 3-pin to MTA cable is included)



Power multiple Panels from a PSWWU-SH Power Supply (the captive 3-pin to MTA cable is included)



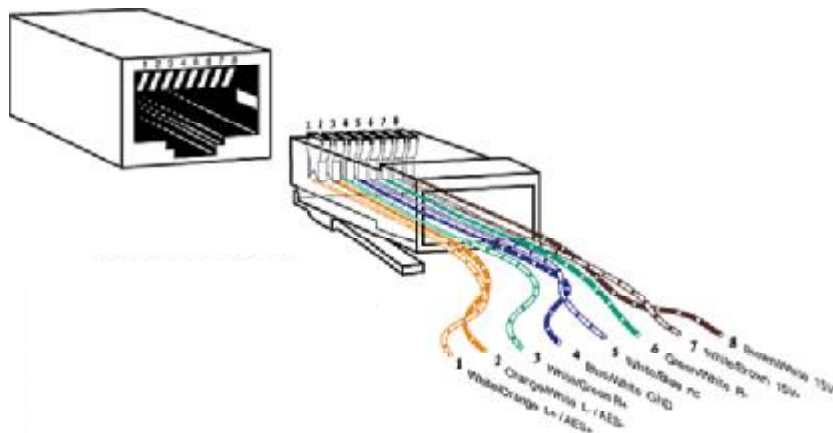
NOTE – All power supplies shown are Universal Voltage switching supplies and accept from 100 to 240VAC input power EXCEPT the "non Universal Wall-Wart" PS-WWCUBE and PS-WWSH supplies which are 110VAC input power only.

Headphone amps link together for audio & DC. Power up to 4 headphone amps from one PS-WWU and up to 2 headphone amps from 1 PSWW

Current consumption for each StudioHub+ active device is charted below. Refer to this list when calculating the total number of devices that can be run on any individual power supply.

Part #	Description	Current
MJ-OUT	Analog MatchJack Out (IHF to Pro)	75ma
MJ-IN	Analog MatchJack In (Pro to IHF)	35ma
MJ-SPDIFOUT	MatchJack OUT (S/PDIF and Optical to AES)	100ma
(NOTE – the MJ-SPDIFIN unit is passive and consumes no power)		
MJ-AD	Digital MatchJack A to D	150ma
MJ-DA	Digital MatchJack D to A	150ma
MJ-DDA	Digital MatchJack Distribution Amplifier	165ma*
SH-DUALMATCH	Dual Match Panel	100ma
SH-HP	Headphone Panel	100ma
SH-MIC	Mic Pre-Amp Panel	55ma
SH-MIXER	3 Input Stereo Mixer with mix-minus	125ma
SH-AMPSPKR	Monitor Amp Panel (w/ Speaker)	1400ma
SH-LEVEL	Monitor Panel	145ma
SH-VUV	Dual VU Meter Panel	150ma
SH-LCDV	LCD Display Panel	75ma
DA6-DC	DA Hub (Single)	575ma
SUM4-DC	Combiner Hub (Single)	175ma

* Powered via 9v DC (single ended) wall wart or +/-15vDC StudioHub+ power supply



StudioHub+ Pinout Chart

<u>Channel</u>	<u>Color Pair</u>	<u>RJ-45 Pin</u>	<u>110 Pin</u>
L+ / AES +	Wht/Org	1	3
L- / AES -	Org/Wht	2	4
R+	Wht/Grn	3	5
R-	Grn/Wht	6	6
nc	Wht/Blu	5	1
GND	Blu/Wht	4	2
15V-	Wht/Brn	7	7
15V+	Brn/Wht	8	8
Shield	Wht/Slit	Shield	9
Shield	Slit/Wht	Shield	10