

DATASHEET

HP600 MP

POWER SUPPLY FOR MODULAR HEADPHONE AMPLIFIER DISTRIBUTOR SYSTEM AND OTHER EQUIPMENT FROM THE BIQUAD MODULAR LINE



INTRODUCTION

The HP600 MP power supply provides the precise energy required to power up to 6 HP1 headphone amplifier modules. The connection is daisy-chained (connected in series) between the modules, allowing for long-distance installations. By using a standard CAT5e network cable, it eliminates the need for shielded cables, facilitating installation and reducing costs. The HP600 MP is also fully compatible with other equipment from Biquad's modular product line.

PANEL LABELS & DIAGRAMS

FRONT PANEL



- **FRONT PANEL**
- **ON/OFF Indicator**

REAR PANEL



- **REAR PANEL**
- **AC Input** (AC Connection)
- **Fuse / 1A**
- **ON/OFF Switch**
- **RJ45 Connections IN/OUT (AUDIO + VCC)**
- **DC OUT +5VDC Output (PERIPHERAL POWER SUPPLY)**

KEY FEATURES

- **Compact Professional Power Supply:** Built in a compact form factor, designed to power equipment from the Biquad modular line, including the HP1, MPX2, and ACADIA NANO, among other products.
- **High-End Performance:** Conceived and engineered for professional applications, delivering outstanding performance with low noise, RF immunity, and other key attributes essential for demanding environments.
- **Modular Design:** Its modular concept offers versatile deployment, allowing it to be mounted in a standard 19" rack adapter panel or used free-standing for installation at any point in the studio or technical room.
- **Simplified Cascading:** With just a single network cable, multiple HP1 headphone amplifier units can be interconnected by simply daisy-chaining one unit to the next. Alternatively, using the optional DC-DC jumper cable, it can power other products from the Biquad modular line within the same system, cascading these devices together.



- **Clean Installation:** Enables an extremely simple and clean installation using a single CAT5e cable and a DC-DC jumper cable.
- **Broad Compatibility:** Fully compatible with other equipment brands that use the RJ45 standard for audio connections, such as StudioHub®, Axia®, Wheatstone®, Biquad®, etc.

TECHNICAL SPECIFICATIONS

- **Universal symmetric power supply with the following outputs:**
 - +18V – 500mA
 - -18V – 500mA
 - +5V – 3A
- **Auto-ranging AC input voltage:** 90–240V.
- **Automatic AC line frequency range:** 47–63Hz.
- **Maximum AC power consumption:** 30W.
- **Chassis construction:** Heavy-duty steel chassis with a brushed stainless steel front panel.
- **Front panel LED indicator** for power status / operation.
- **DC voltage outputs** protected by self-resetting (resettable) fuses.
- **Independent 5V output** provided on a 2.5mm DC Power connector.
- **2.5mm DC Power extension cable** (SOLD SEPARATELY).
- **+18V / -18V outputs** provided on two 8-pin RJ45 network connectors with the following pinout:



RJ45 PINOUT DIAGRAM FOR HPI DAISY-CHAIN CONNECTION

RJ45 PIN	CHANNEL	COLOR PAIR	RJ45 PIN	ETHERNET
1	L+ / AES+	WHITE & ORANGE	1	TX+
2	L- / AES-	ORANGE	2	TX-
3	R+	WHITE & GREEN	3	RX+
4	GND	BLUE	4	n/c
5	nc	WHITE & BLUE	5	n/c
6	R-	GREEN	6	RX-
7	15V-	WHITE & BROWN	7	n/c
8	15V+	BROWN	8	n/c

Note: CAT5e cable wire colors may vary depending on the manufacturer; the images used are for illustrative purposes only.

(nc = no connection)



ADDITIONAL TECHNICAL FEATURES

- Compact chassis with the option of rack-mount installation using a modular adapter panel (optional).



- **Part Number:** 7804-BIQUAD, RACK 19", MODULAR FRONT PANEL ADAPTER, 1UR, STAINLESS STEEL, V2
- Used to power independent HPI headphone amplifier modules or other equipment that accepts the voltages provided by the power supply, provided that the overall current consumption is within the specified maximum limits for each output.