



# TECHNICAL DATA SHEET

## CANFORD PC HEADPHONE AMPLIFIER

**20-421** A-GAUGE AND 3.5MM

**20-422** B-GAUGE AND 3.5MM

### DESCRIPTION

The Canford Audio PC headphone amplifier allows a pair of stereo headphones to be connected to the line output of a PC sound card. Headphone connections are available on either 6.35mm A-gauge and 3.5mm stereo jack sockets (20-421) or B-gauge and 3.5mm stereo jack sockets (20-422). Volume level is set by a single rotary control.

A two-position switch on the front of the unit allows mono or stereo operation. With the switch in the mono position, any signals on either or both inputs will appear in both speakers of the headphones.

A red LED indicates the presence of power.

The amplifier is built in a robust, standard extruded box and fitted with protective glass filled nylon bezels.

The battery headphone amplifier is manufactured by Canford.

### CONNECTORS

#### Input:

Audio: 3.5mm stereo jack socket  
Power: 2.1mm co-axial socket

#### Output:

20-421: A-gauge (6.35mm) and mini-jack (3.5mm) sockets  
20-422: B-gauge and mini-jack (3.5mm) sockets

### POWER SUPPLY

The headphone amplifier requires an external source of DC power. Suitable power supplies are available, but not included.

### ACCESSORIES

37-603 3.5mm - 3.5mm MINI JACK CABLE 1.2m  
23-973 Friwo Plug-In Power Supply

### TECHNICAL SPECIFICATION

<b>Input:</b>	-20dBu, 120Kohms
<b>Gain:</b>	30dB
<b>Frequency response:</b>	20 Hz – 20 KHz, +/- 1dB
<b>Distortion:</b>	0.2%, maximum, @ +1-dBu, 600 ohms
<b>Noise:</b>	> -65dBu, at maximum volume
<b>Output:</b>	+12dBu maximum (600 ohm load)
<b>Output impedance:</b>	50 ohms, suits headphones from 25 ohms to 2K ohms.
<b>Power supply:</b>	12V – 18V DC, 45/55mA, max, at 12/18V
<b>Dimensions:</b>	107 x 93 x 50mm, not including control knob.
<b>Weight:</b>	300g