



user manual

Introduction

We are pleased that you have decided to purchase an axxent high quality audio amplifier. Please read the following manual to achieve optimum results from the use of this amplifier.

Important features

The amplifier model **CLP2090** is a convection cooled amplifier for absolute quiet operation. Its power is 2x65 watts (rms) into an 8 ohms load or 2x90 watts (rms) into a 4 ohms load, both channels driven. Signal to noise ratio is greater than 115 dB (A weighted) and therefore high enough to use the amplifier in recording studios.

Input connections are Neutrik balanced xlr's with daisy chain xlr connectors to follow amplifiers or other audio equipment. Output connections are fully insulated binding posts.



Important safety precautions

On rear side of the amplifier you can find a CAUTION symbol. To reduce the risk of electric shock, do not remove the cover. No user-serviceable parts are inside. Refer servicing to qualified personnel.

On the following pages please find important operational hints like the controls and knobs on the front- and the connectors on the rear side of the amplifier.

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Control elements and indicators on FRONT side

There are two volume potentiometers on the front side - **CHANNEL 1** and **CHANNEL 2**.

A **POWER** switch is also located on the front panel on the right hand side. It is a very robust rocker switch.

Indicators for both channels are as follows:

In the middle between channel 1 and channel 2 potentiometers is the POWER/TEMP led. When you switch on the amplifier, this led will become green. If the amplifier would ever get very hot due to adverse operating conditions, it will switch to red. In this case, please turn down the volume potentiometers or switch off the amplifier to cool down.

Close to the volume potentiometers you see a green SIGNAL led and a red PEAK led. The green led shows the presence of the input audio signal. When you see the PEAK led flickering, this is no reason of concern. It just shows you that the input signal reaches about maximum level and that it does not yet distort the audio amplifier output signal. However, if the PEAK led should become continues, please lower the gain of the amplifier to reduce the output signal. Continuously flashing indicates that the signal becomes distorted.





Control elements and indicators on REAR side

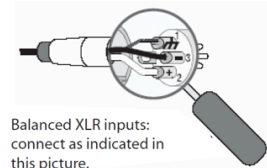
From left to right:

The CLP2090 uses a fixed power cord for the 230 vac mains connection. It may only be operated at 230 vac mains voltage ± 10 percent for optimal operation. Right to the mains connection you see the fuse holder with a glass fuse (5x20 mm), 4 Ampère slow blow. If you ever switch on the amplifier and the power indicator does not light up, the fuse may be at fault. It can easily be replaced by using a small screwdriver. However, if, after replacing the fuse, the amplifier still does not work, it has to be serviced by qualified personnel.

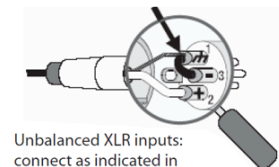
Output connectors are fully insulated and touch proof binding posts. Both pairs are clearly marked with plus and minus and also channel 1 and 2, corresponding to the input connectors. Please make sure that the loudspeakers are connected with the correct polarity.

Input connectors

Each channel input has a balanced Neutrik 3 pin xlr connector. In balanced mode, pin 1 is ground, pin 2 is plus, and pin 3 is minus. Each input connector has a parallel xlr output connector for a loop through of the signal to following amplifiers, parallel amplifiers or other audio equipment.



Balanced XLR inputs: connect as indicated in this picture.



Unbalanced XLR inputs: connect as indicated in this picture. Watch the bridge between pin 1 + 3 of the XLR connector.

CE Declaration of Conformity For Product Model Axxent CLP2090 Type of Product: Two Channel Audio Amplifier

We herewith declare as our sole responsibility that this equipment complies with EMC regulation 2004/108/EG EN61000-6-3: Tested equipment complies with requirements set by EN-61000-6-2: 2007 standard for residential, commercial and light-industrial environments to the extent of Table 1.

EN61000-6-1: The equipment complies with requirements set by EN61000-6-1: 2007 for electromagnetic susceptibility level for residential, commercial and light industrial environments to the extent of Table 2.

We further declare that this equipment fulfills the criteria of the low voltage directive 2006/95/EG of December 12, 2006 regarding electrical equipment.

Gelnhausen, November 1, 2016

axxent e.K.
Josef Becker, Owner
Signed