

A1 manual

Amplifier Operating Instructions



Thank you for purchasing the Quint Audio A1 amplifier

This manual contains essential information on installing and operating the product correctly and safely. It is necessary to read this manual carefully in order to become familiar with these procedures.

Keep the manual for future use. This manual forms an integral part of the product. Reselling of the product is only possible if the user manual is available. Any changes made to the product must be documented in writing and passed on to the buyer in the event of resale.

As part of a continuous evolution of techniques and standards, Quint Audio BV reserves the right to change the specifications of the product and the content of this manual without prior notice. Please check the Quint Audio BV web site at www.quintaudio.com on a regular basis for any updates.

Should the product require repair or should information about the warranty be needed, please contact an approved Quint Audio BV distributor. The address of the nearest distributor is available on the Quint Audio BV web site.

Best regards,

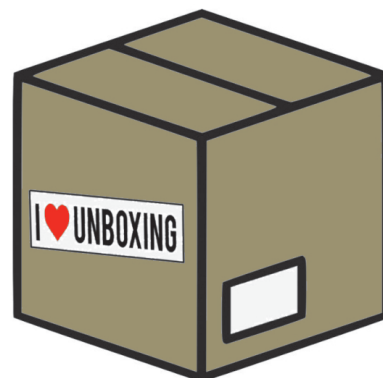
The Quint Audio people

Unpacking

Carefully open the shipping carton and check the product for any noticeable damage.

Each Quint Audio BV product is tested and inspected before leaving the factory and should arrive in perfect condition. If found to be damaged, notify the shipping company or the distributor immediately.

Only the consignee may initiate a claim with the carrier for damage incurred during shipping. Be sure to save the carton and packing materials for the carrier's inspection.



Safety Warnings in this manual

This refers to potentially dangerous situations or dangerous forces that may lead to personal injury.

This refers to a potentially dangerous situation which may lead to damage to the equipment.

This refers to a situation which may cause the equipment to malfunction.



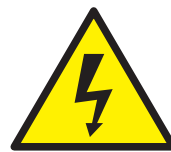
Read this manual carefully before using the product.

- Read all safety instructions, warnings and instructions concerning this product.
- Make sure you fully understand the safety issues mentioned.
- Read all cautions present on the product itself.
- Read all the related product information before using the system.
- Work with qualified personnel only.
- Installing, and using electronic equipment is never free of potential hazards. You cannot rule out human error while gravity, wind and electrical forces do their regular job. Therefore: Always use your common sense!

**Personal safety**

Ensure health and safety during installation and setup. In order to prevent accidents when deploying professional power amplifiers, please take note of the following:

- The system should only be installed or fitted in accordance with the manufacturers recommendations. The amplifier may not be used for other purposes than it is meant for.
- All system components must be inspected before use, in order to detect any possible defects.
- Do not place the product on an unstable cart, stand, tripod, bracket, or table. The product may fall and be seriously damaged and may cause serious human injury.
- Loudspeakers and amplifiers work with potentially harmful voltages. Avoid any direct contact with the human body. Respect electrical safety warnings at all times.
- Use certified connectors and cables. All cables must be electrically safe (according to NEN1010) and routed so that there is no direct walking on an/or driving over it nor objects are placed on top of them in any way it might damage the cable. Make sure that the cables and connectors are used stress free.
- Never stand in the immediate vicinity of loudspeakers driven at a high SPL level. Professional loudspeaker systems are capable of causing a sound pressure level that is harmful to human hearing. Seemingly non-critical sound levels (from approx. 95 dB SPL) can cause hearing damage if people are exposed to it over a long period of time.

**N.B.**

Proper operation of Quint Audio equipment is only guaranteed if original Quint Audio accessories and mounting materials are being applied. Quint Audio is not responsible for any equipment and accessories provided by third party manufacturers nor for the consequences of the use of these parts. Quint Audio BV is not liable for any damage to loudspeakers, amplifiers, or any other equipment that is caused by negligence, misuse or improper installation. Quint Audio BV is not liable for any incidental damages resulting from any defect in the new Quint Audio BV product. This includes any damage to another product or products resulting from such a defect.



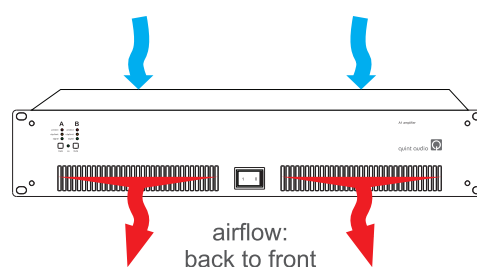
Conditions which require immediate service

In all cases, when after an event risk of unsafe operation of the device, such as:

- After the damaged hitting any casing or cable.
- After a fall from the product resulting in visible or invisible damage.
- After mishaps and/or misuse
- After noticing a change in the operation of the device.
- After the product has been exposed to rain or moisture.
- After the product has been exposed to foreign objects or liquids.

Cooling

- The direction of the airflow cooling the equipment is from back to front.
- Do not block the ventilation holes. Please keep enough space around the equipment.
- To prevent heat from building up in an amplifier rack, make sure cooling air can enter the rack freely.



Product monitoring, care and maintenance

- If applicable please refer to this manual as well as any other manuals pertaining to the system for a detailed description of the inspection procedure.
- Keep amplifiers away from heat producing sources such as heaters, stoves, fireworks etc. etc.
- Keep the amplifier away from water; prevent the possibility of water and moisture entering it.
- Even if the product is weather-resistant, it should not be exposed to moisture (rain, sea spray, shower, steam) for a long period of time, nor put in direct contact or immersed in water.
- Prevent objects and/or any liquid to enter the device.
- The amplifier housings can be cleaned with a damp cloth. Do not use aggressive cleaning agents or solvents as they can damage the protective layers.
- The user should not carry out any work or maintenance on the system other than those mentioned in the manufacturers instructions. Technical service must be carried out by authorised technical personnel only.





A1 2x1000W/8Ohm Installation Amplifier

The Quint Audio A1 is a 2-channel class-D amplifier with two independent universal mains regulated power supplies with PFC. The output power is 2x 1000 Watts into 8 Ohms. The front panel is provided with indicators for on, signal present, clip/limit and protect. For each channel a mute button is available.

Inside the amplifier a 2-channel DSP can be fitted by the factory / service station in order to make the amplifier suitable for a specific quint audio loudspeaker.

FEATURES:

- Clip limiters
- Thermal protection
- Short circuit protection
- DC protection
- HF protection
- Switching mode power supply
- Active power factor correction
- Low working temperature
- Temperature controlled fan cooling
- Variable gain settings: 0 to -16dB
- 2-channel DSP board slot

SYSTEM PARAMETERS:

output power	2x 1000W@8Ohms
output RMS voltage	2x 1000W@4Ohms
freq range	130V
amplifier gain	5Hz-35kHz -1dB
THD+N	32dB
dynamic range	<0.003%
CMRR (typ)	>120dB
input impedance	>80dB DC-20 kHz
	18k Ω

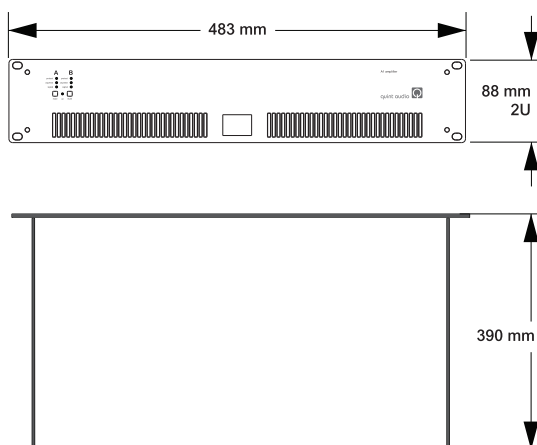
CONNECTORS:

analog line	3 pin XLR
speakers	Speakon-4
power	TRUE PowerCon

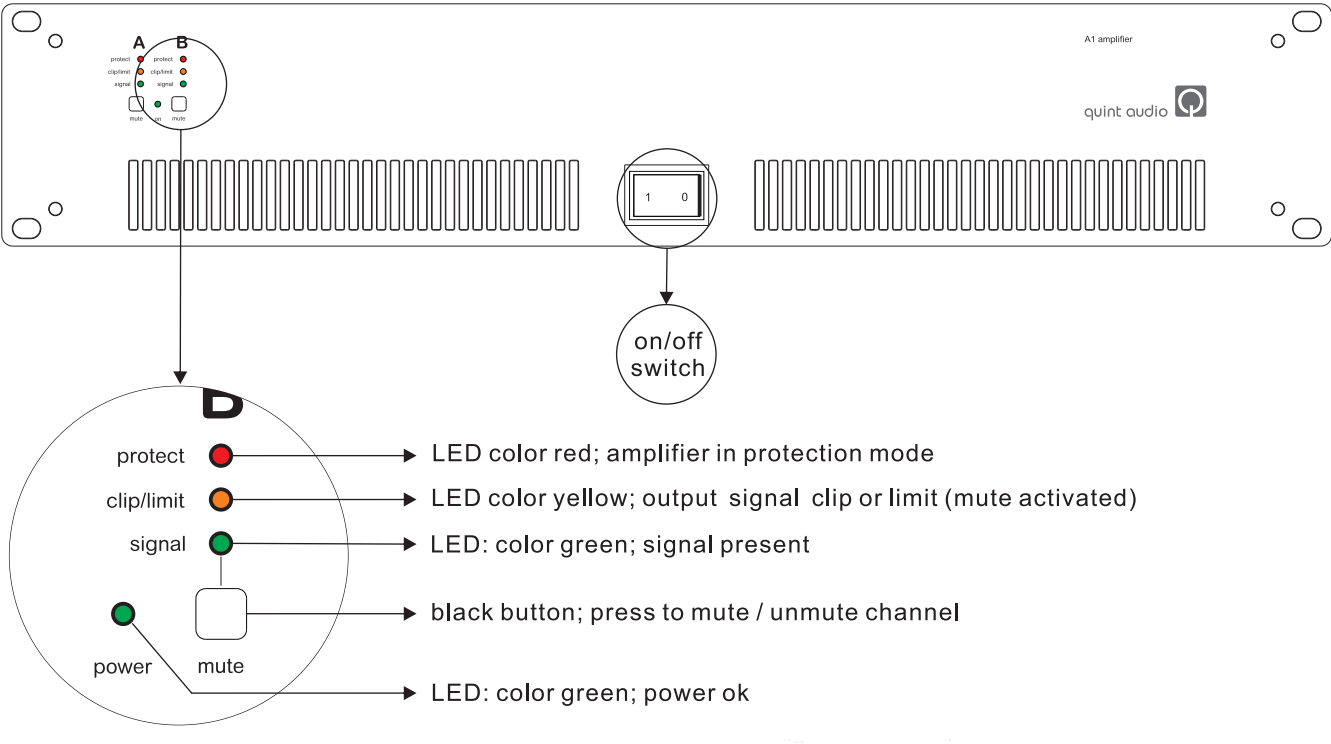
GENERAL:

mains	100-240V +/- 10% / 50-60Hz
AC mains frequency range	45-65Hz
dimensions (wxhxd)	483x88x390mm
weight	7 kgs

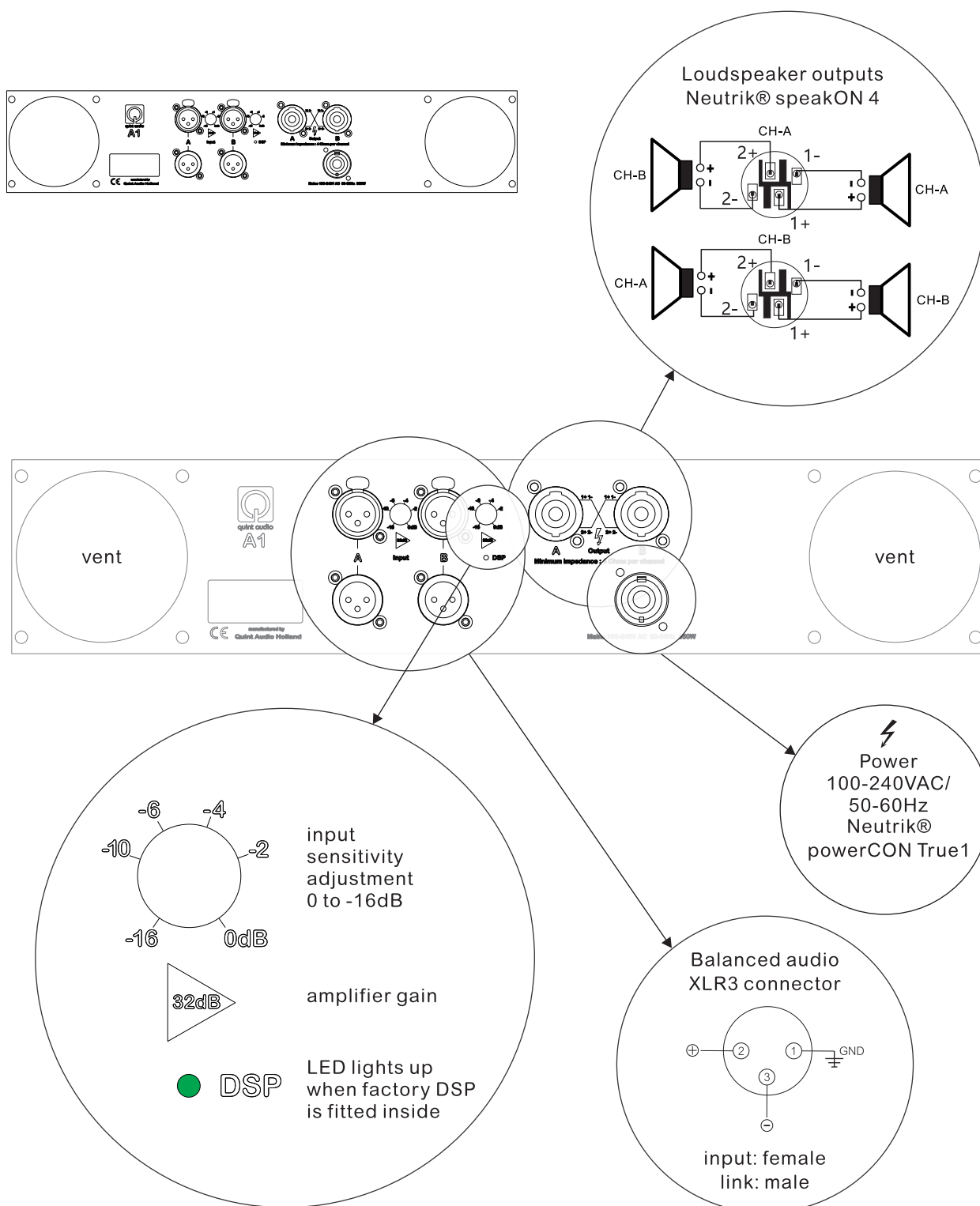
Outline dimensions



Front panel controls & indicators



Back panel controls & connectors



Disposal

Please dispose of this product according to the respective national regulations or contractual agreements.

**EC declaration of conformity**

We, Quint Audio BV, Netherlands declare, that the following products;

Quint Audio A1, 2x 1000W@8Ohm power amplifier

To which this declaration relates, is in conformity with :

- (1) The requirements of the Electromagnetic Compatibility Directive (EMC) 2014/30/EU
- (2) The requirements of the Low Voltage Directive (LVD) 2014/35/EU
- (3) The requirements of the Restrictions of Hazardous Substances Directive (RoHS2) 2011/65/EU
- (4) The requirements of Registration, Evaluation and Authorization of Chemicals (REACH) regulation 1907/2006

in accordance with the standards listed below:

- (1) EN 55032:2015
EN 55032:2017
EN 62368-1:2014
EN 62368-A11:2017

According to the provisions of the EMC Directive 89/336/EEC, amended by the directive 91/263/EEG, 92/31/EEG EN 93/68/EEG EN 60065

Established at Amsterdam, Date May 1st, 2019

Warranty

Quint Audio BV warrants the original purchaser and any subsequent owner of each new Quint Audio BV product, for a period of 3 years limited from the date of the original purchase by the original purchaser that the new Quint Audio BV product is free of defects in materials and workmanship.

Quint Audio BV warrants the new product regardless of the reason for failure, except as excluded in this warranty. In order to obtain warranty, you must keep the original sales receipt to establish the exact date of purchase.

Warranty does not cover any product which has been damaged because of any misuse, accident, or negligence. Warranty also does not extend to a new Quint Audio BV product if the serial number has been defaced, altered or removed.

Quint Audio BV will replace defective parts and repair malfunctioning products, regardless of the reason for failure (except as excluded). Warranty work can only be performed at our authorized service centres.

**Disclaimer**

The information contained in this manual has been carefully checked for accuracy, at the time of going to press, however no guarantee is given with respect to the correctness.

Quint Audio BV by accepts no responsibility for any errors or inaccuracies that may appear in this manual or the products and software described in it. All specifications in this manual are subject to change without prior notice. Technical specifications, dimensions, weights and properties do not represent guaranteed qualities.

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