

Digipro 1000S

Rev 2.0
October 2008



SAFETY INSTRUCTIONS

CAUTION: To reduce the risk of electrical shock, do not remove the cover. [No user serviceable parts inside; refer servicing to qualified personnel.](#)

WARNING: To reduce the risk of fire or electrical shock. Do not expose this appliance to rain or moisture.



This symbol, wherever it appears, alerts you to the presence of uninsulated dangerous voltage inside the enclosure - voltage that may be sufficient to constitute a risk of shock.



This symbol wherever it appears, alerts you to important operating and maintenance instructions in the accompanying literature. Read the manual.

DETAILED SAFETY INSTRUCTIONS:

All the safety and operation instructions should be read before the appliance is operated.

Retain instructions:

The safety and operating instructions should be retained for future reference.

Heed Warnings:

All warnings on the appliance and in the operating instructions should be adhered to.

Follow instructions:

All operation and user instructions should be followed.

Installation, positioning and Fixing of equipment:

Danger of electrical shock. The equipment is designed for installation in a non accessible location. Prohibited the use of apparatus without additional protective enclosure. During the installation in additional enclosure make sure than the wires and other conductive object are sufficiently distant to the active part.

Water and Moisture:

The appliance should not be used near water (e.g. near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool etc.).

Ventilation

The appliance should be situated so that its location or position does not interfere with its proper ventilation. The appliance should not be situated to impede the flow of air through the ventilation opening.

Heat:

The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliance (including amplifiers) that produce heat.

Power Source

The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.

Grounding or Polarization:

Connect the equipment only an electrical power distribution comply to the local laws. This equipment is a Class I equipment and for his function must be connected to the protective earth of power distribution system.

Precautions should be taken so that the grounding or polarization means of an appliance is not defeated.

Power Cord Protection:

Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords and plugs, convenience receptacles and the point where they exit from the appliance.

In case of damage of the AC power cable (or AC link cable) of the apparatus, replace it before the use.

Cleaning:

Do not use solvents, alcohol, benzene or volatile substances for cleaning the exterior parts.

Non-use Periods:

The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.

Object and Liquid Entry:

Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.

Damage Requiring Service:

The appliance should be serviced by qualified service personnel when:

The power supply cord or the plug has been damaged; or

Objects have fallen, or liquid had been spilled into the appliance; or

The appliance has been exposed to rain; or

The appliance does not appear to operate normally or exhibits a marked change in performance; or

The appliance had been dropped, or the enclosure damaged.

Servicing:

The user should not attempt to service the appliance beyond that is described in the Operating Instructions. All other servicing should be referred to qualified service personnel.

Disconnect always the AC power cable before each technical support operation.

Fuse restore: (only for service centre)

Disconnect the AC power cable before the replace of protection fuse.

EMC Ambient Classification

According to the EMC standards applied, this equipment is designed for the use in the E1, E2 and E3 environments (Residential, commercial, urban outdoors and light industry. It's expected to maintain the external Whurt ferrite cod. 742 700 90 (or equivalent) on the AC and Load cables

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Specifications

Description

Self powered 2 x 500W (1 x 1000W bridge 8 Ohm) class D Self-oscillating half-bridge topology power amplifier for professional applications

AC Mains Section

Mains voltage input _____ AC 100 to 240 Vac +/- 10% 50/60Hz

Dimension / Weight

See mechanical drawing section

Weight _____ 1.25Kg
External dimension _____ 270mm (W) 98mm (D) 55mm (H)

Audio Section

S/N ratio _____ > 108dB/A Weight
Distorsion _____ < 0.7% (THD DIM SMPTE)
Inputs _____ Balanced to ground
Sensitivity _____ +4dBm
Input Impedance _____ 5KOhm
Gain _____ 31,5 dBm
Bandwith _____ 10Hz - 25KHz
Output _____ Referred to ground

Power Section

All values are guaranteed @ 100 to 240Vac 50/60 Hz mains input

Power continuous (Single Channel)
(1KHz 1% THD) _____ 8 Ohm = 255W
4 Ohm = 470W

Power continuous (Both Channels driven)
(1KHz 1% THD) _____ 8 Ohm = 245W
4 Ohm = 455W

Power EIA (IHF A-202) (Single channel)
(1KHz 1% THD) _____ 8 Ohm = 277W
4 Ohm = 514W

Power EIA (IHF A-202) (Both channel driven)
(1KHz 1% THD) _____ 8 Ohm = 253W
4 Ohm = 498W

Bridged EIA (IHF A-202)_ 8 Ohm = 994W

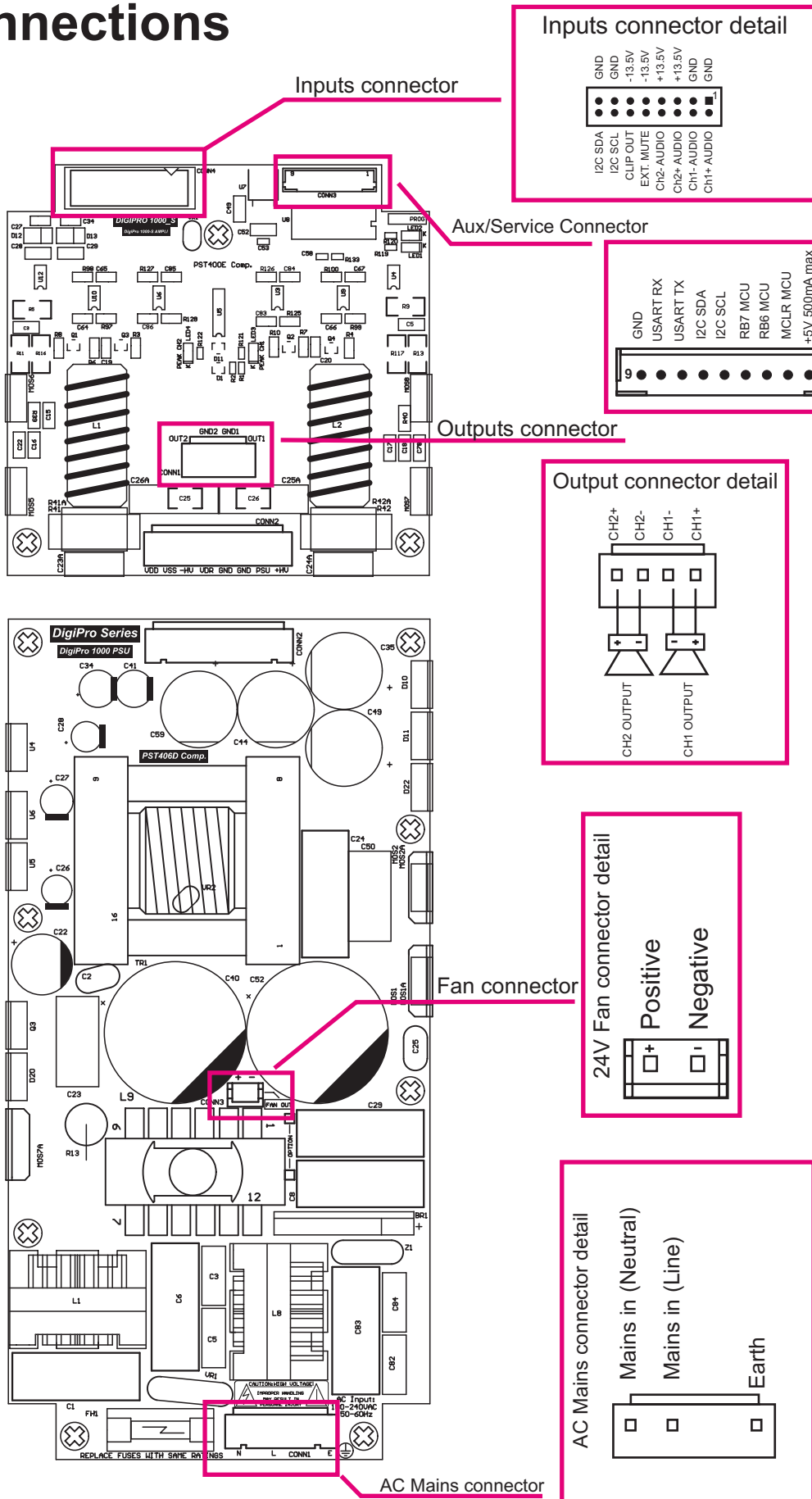
Features

Clip limiter
Rms limiter vs Input Frequency
Thermal protection (over-temperature output power limiting)
Auxiliary output voltage +/- 13.5V regulated 200mA (on inputs connector)
Optional cooling fan ready (Conn3)
Self-resettable Output low-impedance protection
Self-resettable Over current protection



Digipro 1000S

Connections



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Mechanical Drawing

