

COPLAND

CTA520



USER GUIDE

Introduction

We would like to take this opportunity to thank you for selecting the CTA520 Power-amplifier. We at Copland wish you many enjoyable hours in the company of fine music.

Please read this owners manual before operating the equipment.

CAUTION!

Various regulation agencies require us to bring the following information to your attention. Please read carefully.

WARNING ! To prevent fire or shock hazard, do not expose this unit to rain or moisture.

! Check that your supply voltage is the same as indicated

! Dangerous voltage inside. Do not open the cabinet. There are no user serviceable parts inside. Repairs should be carried out by qualified service personnel only.

! Ensure that no objects or fluids pass through the ventilation openings. If liquid is spilt into the amplifier, disconnect from the mains and consult a qualified service technician.

Installation

Open the carton and remove the amplifier from its plastic bag. The AC-power cord is placed in the bottom of the carton. Before placing the unit in your home read this carefully.

Do not subject the amplifier to high mechanical vibration.

The trouble free life of an electronic instrument is greatly extended by providing sufficient ventilation to prevent the build up of high internal temperatures that cause deterioration.

Allow enough clearance so that cool air can enter at the top. With adequate ventilation the amplifier can be mounted in any position.

The recommended minimum space is 45 cm deep, 45 cm wide and 30 cm high.

Inputs

The CTA520 power amplifier has two inputs. A balanced mono input via XLR socket and a non-balanced stereo input via RCA-sockets. If used with a balanced pre-amplifier, two CTA-520 power amplifiers will be necessary for stereo reproduction.

Use shielded cables to connect the input and outputs to signal sources.

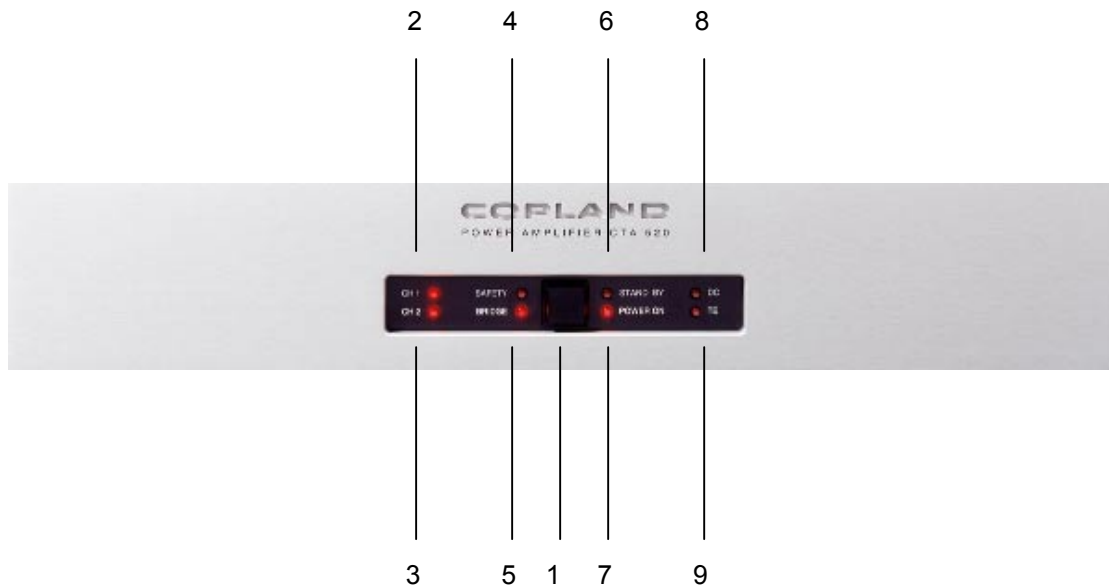
To minimise the possibility to hum, the shielded cables should run parallel to each other or loosely twisted together. Locate the cables away from speaker leads and AC power cords. All connections is made on the back panel of the amplifier.

Outputs

Selection of the proper gauge wire to connect the loudspeakers reserves the quality of sound reproduction for which the loudspeakers was designed.

If undersized wire is used, resistance is added to the amplifier/loudspeaker combination which adversely affects the performance. Added resistance cause reduction of damping characteristics and changes in frequency response.

Front Panel



1 : On/St.By : By pressing this button, the amplifier will be switched between stand by and operation mode cyclically.

2. CH1 : When amplifier are switched on this LED light indicate that Left channel are in operation mode.

3. CH2 : When amplifier are switched on this LED light indicate that Right channel are in operation mode.

4 : Safety : Indication for activation of protection circuitry.

5 : Bridge : Indication for bridge operation. LED will light when selector switch on the back of the amplifier is placed in bridge position.

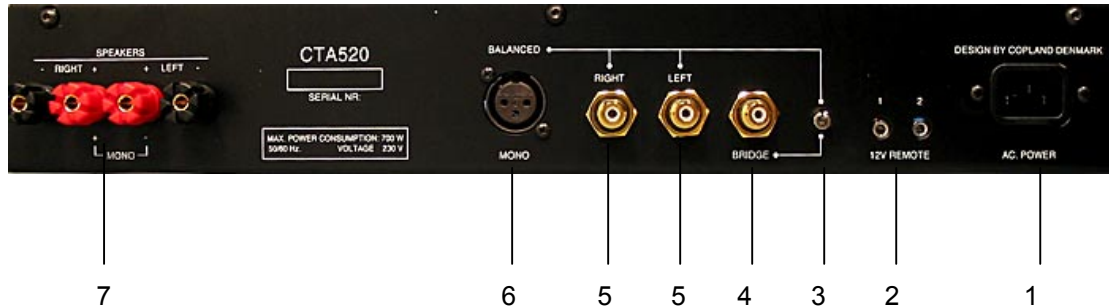
6 : Standby : LED will light when amplifier is in stand by mode.

7 : Power on : LED will light when amplifier is on operation mode.

8 : DC : Indication for DC failure in amplifier. Protection circuitry will be activated.

9 : TE : Indication for temperature overload. Protection circuitry will be activated.

Back Panel



1 : AC Power : The amplifier AC power cord is plugged into a 110/120/220/240 volt 50/60 Hz wall outlet. The right voltage is indicated on the back panel just below the series number.

2 : 12V Remote 1&2 : DC-Jack connectors. Allows remote operation of **St.By/Power on** when connected to the remote output of a Copland pre-amplifier or any pre-amplifier with 12V.DC standard remote output.

3 : Input selection switch : Selector for operation mode.

A. For single ended RCA-stereo inputs : Place the selector switch in up-position.

B. For balanced mono input : Place the selector switch in up position.

C. For bridge mono input : Place the selector switch in down position.

4 : Bridge Input : RCA input connector for bridge mono operation.

5 : Non balanced input : RCA input connector Left and Right channel.

6 : Balanced input : XLR input for balanced mono operation.

7 : Speaker Output : Connect the leads from left loudspeaker to the reed left, and common to the black left. Connect the leads from right loudspeaker to the reed right, and common to the black right.

For bridge mono operation and balanced mono operation, connect the speaker between the two reed terminals, signal plus and minus are indicated under the reed terminals.

Maintenance

The amplifier is build for a long lifetime, and no special care needs to be taken apart from what is already described under installation

Warranty and Service

Copland provides a warranty to the first purchaser for a period of one year that the amplifier will work perfectly. Copland usually commissions the Copland agency in the country in which the amplifier was purchased to carry out any warranty work. Following consent from Copland in a particular case, the warranty service may also be claimed at an agency in another country.

Specifications

Rated power	2 x 125W channel at 8 Ohms 1 x 250W in Bridge or Balanced operation
T.H.D.	Less than 0,05% at all levels
Frequency response	20-20 kHz – 0,2dB.
Input sensitivity	1,4 V for rated power
Input impedance	50 Kohms (single ended inputs) 50 Kohms (balanced inputs)
S/N ratio (IHF-A curve)	More than 110 dB
Power consumption	600 W
Nominal mains voltage	115V or 230V factory set for destination country
Dimensions	430 (W) 86 (H) 390 (D) mm.
Shipping weight	14 Kg.