

The background of the cover is a dark blue color. It features a white line-art graphic of a rectangular prism or box, viewed from an isometric perspective. The top and bottom edges of the box are composed of many closely spaced, parallel white lines, creating a sense of depth and texture. The Naim logo, consisting of the word "naim" in a lowercase, sans-serif font with a semi-circular arc above it, is positioned in the upper right corner. Below the logo, the words "WORLD CLASS HI FI" are written in a smaller, uppercase, sans-serif font.

naim  
WORLD CLASS HI FI

**OWNERS MANUAL**

ISSUE 1

Power amplifiers: NAP 500, NAP 300, NAP 250, NAP V145, NAP 200, NAP 150, NAP V175

# Introduction

**Naim Audio products are always conceived with performance as the top priority and careful installation will help ensure that their full potential is achieved. This manual begins with statutory safety warnings and general installation tips for all Naim Audio products. Product specific information begins in Section 6.**

## 1 Equipment Installation

**Normally your Naim equipment will have been installed by the dealer who sold it to you even if you live outside their immediate vicinity. Your dealer is responsible for making sure that the system sounds exactly as it should and information given here is not intended to reduce this responsibility in any way.**

## 2 Cables and Connections

**Please do not modify the standard interconnect cables supplied with your Naim equipment. This is important for safety as well as performance. One end of each cable is marked with a band to establish its correct orientation. The band always marks the end that connects to the signal source.**

Loudspeaker leads are also very important. Naim loudspeaker cable is correct for your system and your dealer will make up leads to suit your equipment installation. The leads should each be at least 3.5 metres long and of equal length. The recommended maximum is 20 metres. Loudspeaker leads are, like interconnect leads, directional, and should be connected so that the printed arrow points towards the speakers. Using alternative loudspeaker cable will degrade performance, and may even damage your amplifier. An exception to these loudspeaker cable constraints is the NAP 6-50 multi-room power amplifier. The NAP 6-50 is designed to be tolerant of both a wide variety of cable types, and cable runs well in excess of 20m. The loudspeaker connectors supplied with all Naim amplifiers and loudspeakers have been specifically designed to make a robust mechanical connection. It is essential that these are used in order to comply with current European safety regulations.

All the plugs and sockets supplied with your Naim equipment have been chosen because they make the best possible connection for their purpose. A poor contact will degrade the signal substantially and plugs and sockets should look clean and free from corrosion. The easiest way to clean them is to switch off the equipment, pull the plugs out of their sockets, and push them back in again. Special contact cleaners and contact enhancers should not be used as they tend to deposit a film which is very difficult to remove and may degrade the sound.

## 3 Getting Started

### 3.1 switching on and off

**Source components and power supplies for cd players, tuners, preamplifiers and crossovers should be switched on before switching on the power amplifier(s). Always switch the amplifier(s) off and wait about a minute for the power supply capacitors to discharge before connecting or disconnecting any leads. Always use the power switch on the product rather than a mains outlet switch.**

### 3.2 running in

Your Naim equipment will take a considerable time to run in before it performs at its best. The duration varies, but under some conditions you will find that the sound continues to improve for as much as five weeks. Better and more consistent performance will be achieved if the system is left switched on for long periods. It is worth remembering however that all electronic equipment can be damaged by lightning. Please read the warnings section.

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# Introduction

## 3.3 mains supply

Where fused plugs are used 13 amp fuses should be fitted. Fuses of a lower rating will fail after a period of use.

A hi-fi system usually shares a mains circuit with other household equipment some of which can cause distortion of the mains waveform. In some Naim equipment such distortion can lead to a mechanical hum from the transformers. The hum is not transmitted through the speakers and has no effect on the performance of the system but is purely local to the transformer itself. A separate fused mains circuit (like that reserved for electric cookers) may reduce transformer hum. Such a circuit (ideally with a 30 or 45 Amp rating) will also have a lower impedance, supply cleaner power, and consequently improve system performance.

Do not wire voltage dependent resistors or noise suppressors into mains plugs. They degrade the mains supply and the sound.

## 3.4 siting the equipment

Power supplies and amplifiers should be located a reasonable distance away from other equipment. This separation will stop transformer radiation causing hum audible from the loudspeakers. The maximum separation distance for connected equipment is that allowed by the standard interconnect lead.

Some Naim equipment is extremely heavy. Ensure that your equipment rack or table can easily support the weight and is stable.

## 3.5 if you have a problem

Legal consumer protection varies from country to country. In most territories a dealer must be prepared to take back any Naim equipment he has sold you if he cannot make it work to your satisfaction in your own home. A problem may be due to a fault in any part of the system or its installation so it is essential to make full use of your local dealer's diagnostic skills on site. Please contact your local distributor, or Naim at the address in the back of this manual, if any difficulties cannot be resolved. Some Naim equipment is made in special versions for different territories and this makes it impracticable to arrange international guarantees. Please establish the guarantee arrangements with your own dealer at the time of sale. We are always available to offer help and advice.

It is essential that repairs and updates are only carried out by an authorised Naim dealer, or at the factory by Naim itself. Many components are made, tested or matched specially for Naim and appropriate replacements are often unobtainable from non-specialist sources.

## 4 Warnings

**Naim equipment is designed to offer the finest sound quality that can be achieved avoiding compromise wherever possible. This can lead to circumstances that may be unfamiliar. The material that follows contains advice specifically related to Naim equipment as well as more general warnings about the use of domestic audio products. Please read it carefully.**

The transformers in Naim power amplifiers and power supplies may sometimes make a mechanical noise caused by distortion of the mains waveform. Naim transformers are large in size and have heavy gauge secondary windings making them relatively sensitive to such distortion. A separate mains circuit for your hi-fi system may reduce the effect while also giving an overall improvement in sound quality. It may be necessary however to take account of mechanical transformer noise when siting your equipment.

### IMPORTANT

**In order to comply with current European safety regulations it is essential that the Naim loudspeaker connectors supplied with amplifiers and loudspeakers are used.**

**Do not under any circumstances allow anyone to modify your Naim equipment without first checking with the factory, your dealer, or your distributor. Unauthorised modifications will invalidate your guarantee.**

**For your own safety do not under any circumstances open Naim equipment without first disconnecting the mains.**

**The following label is attached to all mains powered equipment:**



# Introduction

In some circumstances, depending on where you live and the earthing arrangements in your home, you may experience radio frequency interference. Controls on broadcasting in some territories allow very high levels of radio frequency radiation and both the choice and exact siting of equipment may be critical. If there is a known problem in your locality it is advisable to arrange for a home demonstration before purchase to find out if Naim equipment is likely to be affected. Susceptibility to radio frequency interference is related to the wide internal bandwidth necessary for high sound quality. Systems incorporating moving coil phono preamplifiers and active crossovers are more likely to suffer. A radio frequency filter kit is available for some Naim equipment but sound quality will be progressively compromised as more elements of the kit are fitted. In situations of extreme radio interference Naim equipment may be unsuitable.

Your Naim hi-fi system can be damaged by lightning. Power amplifiers are particularly at risk and should be turned off when there is risk of lightning strike. For complete protection all mains plugs and any aerial cables should be disconnected when not in use.

Equipment must not be exposed to dripping or splashing and no objects filled with liquid, such as vases, should be placed on the equipment.

Use of non-standard speaker cables or interconnects may invalidate your guarantee.

## 5 Connection

### 5.1 mains lead

**As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug proceed as follows:**

The wire which is coloured GREEN-AND-YELLOW must be connected to the terminal in the plug which is marked by the letter E or by the safety earth symbol or coloured green or green-and-yellow.

The wire which is coloured BLUE must be connected to the terminal in the plug which is marked with the letter N or coloured black.

The wire which is coloured BROWN must be connected to the terminal in the plug which is marked with the letter L or coloured red.

### 5.2 non-rewireable mains plugs

If a non-rewireable plug is cut from a mains lead (for whatever purpose) the plug **MUST** be disposed of in a way to render it totally unusable. Considerable shock hazard exists if the cut-off plug is inserted into a mains outlet.

### 5.3 fuse carrier

Should the plug fuse carrier be damaged or lost, the correct replacement must be obtained from your dealer, or from Naim Audio direct. Do not use the plug until the fuse carrier is replaced.

### 5.4 plug fuses

Replace only with ASTA or BS 1362 approved fuses.

## NOTE

**This equipment has been tested and found to comply with the relevant EMC and Safety Standards, and, where applicable, also complies with the limits for a class B digital device, pursuant to Part 15 of the FCC Rules.**

**These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning off and on, the user is encouraged to try to correct the interference by one or more of the following measures:**

- **Reorient or relocate the receiving antenna.**
- **Increase the separation between the equipment and the receiver.**
- **Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.**
- **Consult your Naim dealer or an experienced radio/TV technician for help.**

# NAP 500

## 6 Installation and Operation

**The NAP 500 and NA PS500 should be installed in their final operating locations before connecting cables or switching on. Switch on the source and preamplifier components, with the volume turned down, before switching on the NAP 500. The NAP 500 power button is located on the front panel of the NA PS500 Power Supply.**

**Care should be taken when siting the NAP 500 to ensure that the top and bottom ventilation grids are not blocked e.g. by carpet if the unit is to be placed on the floor.**

**The NAP 500 is very heavy and care should be taken when lifting or moving it. Make sure that the surface it is to be placed on can support the full weight.**

### 6.1 connections notes

The negative input and output connections for each channel are common. The mains earth (ground) should always be connected regardless of what other equipment is used in conjunction with Naim power amplifiers. This only grounds the case and the electrostatic screen within the transformer, and is not connected to the signal negative. In order to avoid hum loops, the signal negative of the whole system should be connected to the mains earth (ground) in one place. This should be the primary signal source.

**Note:** Each channel of the NAP 500 is a “bridged” amplifier, so none of the speaker outlet sockets (+ or -) is at earth potential. Avoid connecting mains powered equipment such as electrostatic speakers, sub-woofers and headphone energisers that do not have a floating earth. No plug which is connected directly or indirectly to earth potential should be attached to any speaker outlet (+ or -).

### 6.2 protection notes

In the NAP 500 the fan speed is increased in response to an increase in amplifier dissipation. If the amplifier reaches 70°C due to prolonged running at high level or to airflow being blocked, the output will be interrupted and the fan will run at full speed until it has cooled down. This may take a few minutes.

It is not necessary to switch the amplifier off, but it may be advisable to mute the preamplifier or turn the volume down to avoid surprises when it comes back on.

**OPERATION OF THE AMPLIFIER’S THERMAL PROTECTION SUGGESTS PROLONGED USE AT TOO HIGH A VOLUME LEVEL. YOUR LOUDSPEAKERS MAY BE AT RISK IF THIS IS THE CASE. THE VOLUME SHOULD BE REDUCED.**

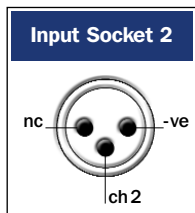
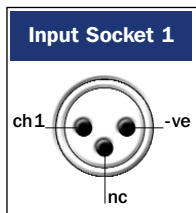
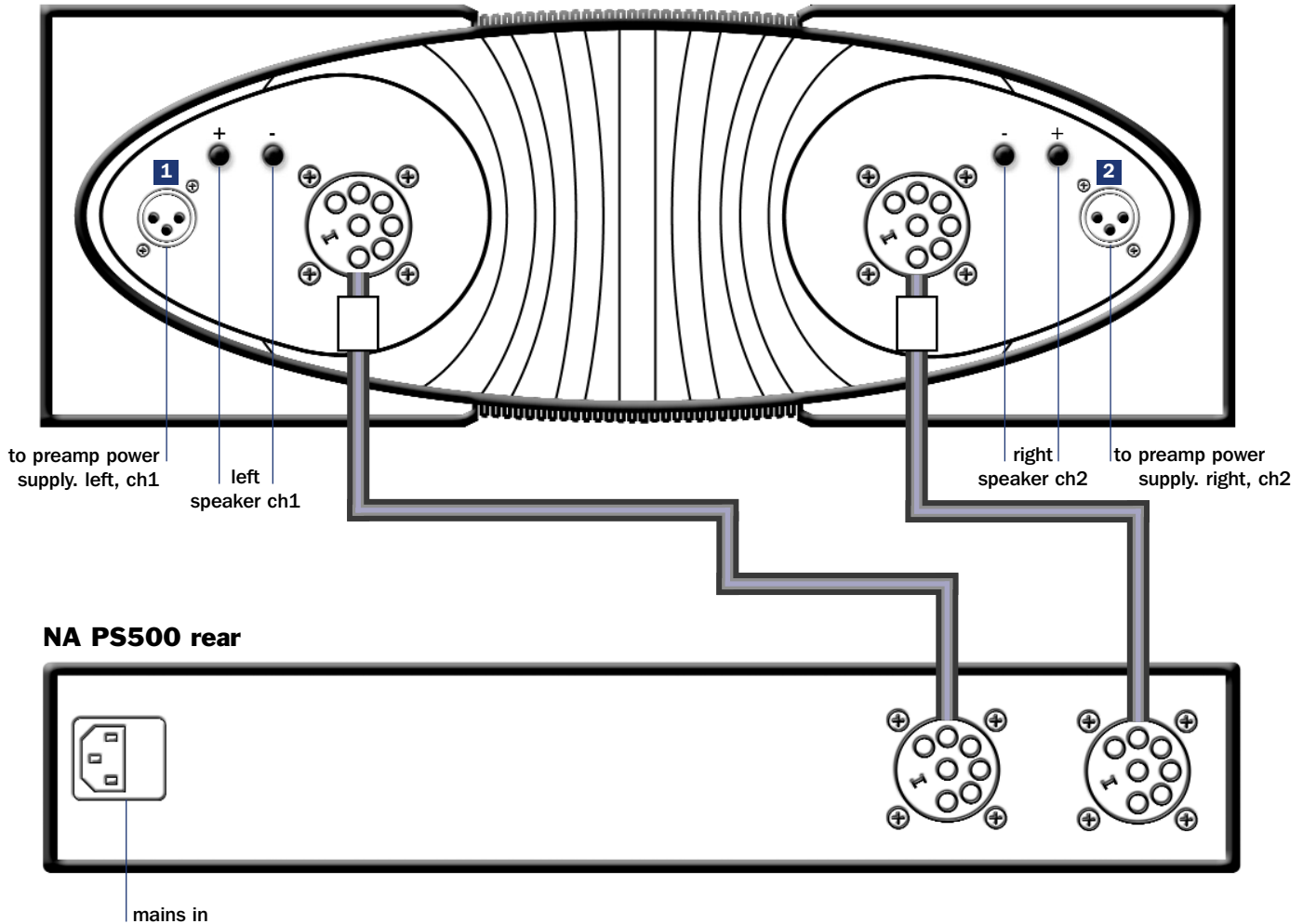
### 6.3 loudspeaker cable and connectors

Only Naim Audio speaker cable should be used to connect a loudspeaker to the output of the NAP 500. Custom Naim Audio loudspeaker connectors are supplied to make the connection. **IN ORDER TO COMPLY WITH CURRENT EUROPEAN SAFETY REGULATIONS IT IS ESSENTIAL THAT THESE ARE USED.**

**DAMAGE TO THE AMPLIFIER MAY RESULT IF “HIGH DEFINITION” CABLE OR ANY OTHER SPECIAL CABLE IS USED TO CONNECT THE LOUDSPEAKERS.**

# NAP 500 Connection & Specifications

## 7.1 NAP 500 connection to NA PS500 Power Supply



## 7.2 Specifications

### NAP 500 & NA PS500

<b>Power Output</b>		
Continuous, 8 ohms		140 Watts per channel
Transient		700VA
<b>Quiescent Power Consumption</b>		60VA
<b>Voltage Gain</b>		+29dB
<b>Input Impedance</b>		18 kilohms
<b>Frequency response</b>		-3dB @ 1.5Hz and 100kHz
<b>Mains Supply:</b>		100V. 115V. 230V - 50/60Hz
<b>Case size (H x W x D)</b>		
NAP 500		160 x 432 x 375mm
NA PS500		87 x 432 x 314mm
<b>Weight</b>		
NAP 500		25.0kg
NA PS500		15.4kg

# NAP 300

## 8 Installation and Operation

**The NAP 300 and NA PS300 should be installed in their final operating locations before connecting cables or switching on. Switch on the source and preamplifier components, with the volume turned down, before switching on the NAP 300. The NAP 300 power button is located on the front panel on the NA PS300 Power Supply.**

**Care should be taken when siting the NAP 300 to ensure that the underside fan inlet and rear outlet are not obstructed e.g by carpet in the case of the inlet.**

**The NAP 300 is very heavy and care should be taken when lifting or moving it. Make sure that the surface it is to be placed on can support the full weight.**

### 8.1 connections notes

The negative input and output connections for each channel are common. The mains earth (ground) should always be connected regardless of what other equipment is used in conjunction with Naim power amplifiers. This only grounds the case and the electrostatic screen within the transformer, and is not connected to the signal negative. In order to avoid hum loops, the signal negative of the whole system should be connected to the mains earth (ground) in one place. This should be the primary signal source.

### 8.2 protection notes

In the NAP 300 the fan speed is increased in response to an increase in amplifier dissipation. If the amplifier reaches 70°C due to prolonged running at high level or to airflow being blocked, the output will be interrupted and the fan will run at full speed until it has cooled down. This may take a few minutes.

It is not necessary to switch the amplifier off, but it may be advisable to mute the preamplifier or turn the volume down to avoid surprises when it comes back on.

OPERATION OF THE AMPLIFIER'S THERMAL PROTECTION SUGGESTS PROLONGED USE AT TOO HIGH A VOLUME LEVEL. YOUR LOUDSPEAKERS MAY BE AT RISK IF THIS IS THE CASE. THE VOLUME SHOULD BE REDUCED.

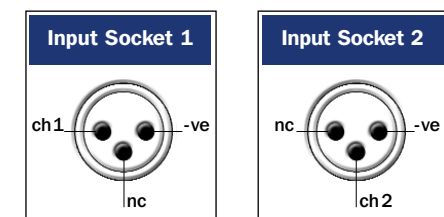
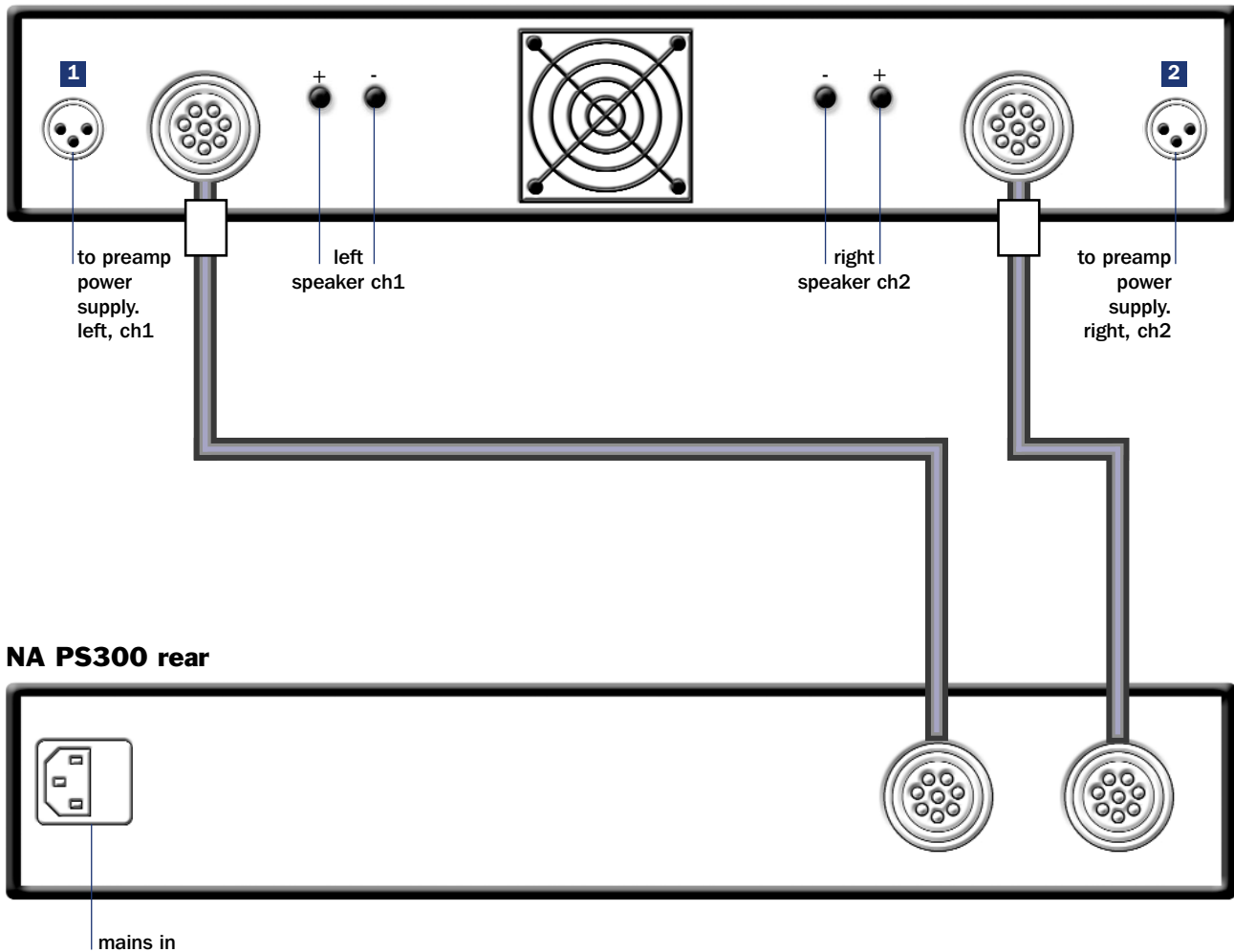
### 8.3 loudspeaker cable and connectors

Only Naim Audio speaker cable should be used to connect a loudspeaker to the output of the NAP 300. Custom Naim Audio loudspeaker connectors are supplied to make the connection. **IN ORDER TO COMPLY WITH CURRENT EUROPEAN SAFETY REGULATIONS IT IS ESSENTIAL THAT THESE ARE USED.**

**DAMAGE TO THE AMPLIFIER MAY RESULT IF "HIGH DEFINITION" CABLE OR ANY OTHER SPECIAL CABLE IS USED TO CONNECT THE LOUDSPEAKERS.**

# NAP 300 Connection & Specifications

## 9.1 NAP 300 connection to NA PS300 Power Supply



## 9.2 Specifications

### NAP 300 & NA PS300

<b>Power Output</b>		
Continuous, 8 ohms		90 Watts per channel
Transient		500VA
<b>Quiescent Power Consumption</b>		27VA
<b>Voltage Gain</b>		+29dB
<b>Input Impedance</b>		18 kilohms
<b>Frequency response</b>		-3dB @ 2Hz and 70kHz
<b>Mains Supply:</b>		100V. 115V. 230V - 50/60Hz
<b>Case size (H x W x D)</b>		
NAP 300		87 x 432 x 314mm
NA PS300		87 x 432 x 314mm
<b>Weight</b>		
NAP 300		10.7kg
NA PS300		14.1kg

# NAP 250

## 10 Installation and Operation

**The NAP 250 should be installed in its final operating location before connecting cables or switching on. Switch on the source and preamplifier components, with the volume turned down, before switching on the NAP 250. The NAP 250 power button is located on the front panel.**

**The NAP 250 is very heavy and care should be taken when lifting or moving it. Make sure that the surface it is to be placed on can support the full weight.**

### 10.1 connection notes

The negative input and output connections are all common. The mains earth should always be connected regardless of what other equipment is used. This only grounds the case and the electrostatic screen within the transformer, and is not connected to the signal negative. In order to avoid hum loops, the signal negative of the whole system should be connected to the mains earth (ground) in one place. This should be the primary signal source.

### 10.2 protection notes

If the amplifier's external case reaches 70°C due to prolonged running at high power, the mains supply will be interrupted and the illuminated logo will switch off until the amplifier has cooled down. This may take up to thirty minutes.

OPERATION OF THE AMPLIFIER'S THERMAL PROTECTION SUGGESTS PROLONGED USE AT TOO HIGH A VOLUME LEVEL. YOUR LOUDSPEAKERS MAY BE AT RISK IF THIS IS THE CASE. THE VOLUME SHOULD BE REDUCED.

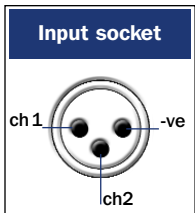
### 10.3 loudspeaker cable and connectors

Only Naim Audio speaker cable should be used to connect a loudspeaker to the output of the NAP 250. Custom Naim Audio loudspeaker connectors are supplied to make the connection. **IN ORDER TO COMPLY WITH CURRENT EUROPEAN SAFETY REGULATIONS IT IS ESSENTIAL THAT THESE ARE USED.**

**DAMAGE TO THE AMPLIFIER MAY RESULT IF "HIGH DEFINITION" CABLE OR ANY OTHER SPECIAL CABLE IS USED TO CONNECT THE LOUDSPEAKERS.**

# NAP 250 Connection & Specifications

## 11.1 NAP 250 Rear



## 11.2 Specifications

### NAP 250

Power Output:	
Continuous, 8 ohms	80 Watts per channel
Transient	400 VA
Quiescent Power Consumption	25VA
Voltage Gain	+29dB
Input Impedance	18 kilohms
Frequency response	-3dB @ 2Hz and 65kHz
Case size (H x W x D)	87 x 432 x 314mm
Mains Supply:	100V. 115V. 230V - 50/60Hz
Weight:	15.8kg

# NAP V145

## 12 Installation and Operation

**The NAP V145 is a mono power amplifier intended for use in audio-visual home-theatre systems.**

**The NAP V145 should be installed in its final operating location before connecting cables or switching on. Switch on the source and preamplifier components, with the volume turned down, before switching on the NAP V145. The NAP V145 power button is located on the front panel.**

**The NAP V145 is very heavy and care should be taken when lifting or moving it. Make sure that the surface it is to be placed on can support the full weight.**

### 12.1 connection notes

The negative input and output connections are all common. The mains earth should always be connected regardless of what other equipment is used. This only grounds the case and the electrostatic screen within the transformer, and is not connected to the signal negative. In order to avoid hum loops, the signal negative of the whole system should be connected to the mains earth (ground) in one place. This should be the primary signal source.

### 12.2 protection notes

If the amplifier's external case reaches 70°C due to prolonged running at high power, the mains supply will be interrupted and the illuminated logo will switch off until the amplifier has cooled down. This may take up to thirty minutes.

OPERATION OF THE AMPLIFIER'S THERMAL PROTECTION SUGGESTS PROLONGED USE AT TOO HIGH A VOLUME LEVEL. YOUR LOUDSPEAKERS MAY BE AT RISK IF THIS IS THE CASE. THE VOLUME SHOULD BE REDUCED.

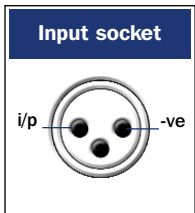
### 12.3 loudspeaker cable and connectors

Only Naim Audio speaker cable should be used to connect a loudspeaker to the output of the NAP V145. Custom Naim Audio loudspeaker connectors are supplied to make the connection. IN ORDER TO COMPLY WITH CURRENT EUROPEAN SAFETY REGULATIONS IT IS ESSENTIAL THAT THESE ARE USED.

DAMAGE TO THE AMPLIFIER MAY RESULT IF "HIGH DEFINITION" CABLE OR ANY OTHER SPECIAL CABLE IS USED TO CONNECT THE LOUDSPEAKERS.

# NAP V145 Connection & Specifications

## 13.1 NAP V145 Rear



## 13.2 Specifications

### NAP V145

Power Output:		
Continuous, 8 ohms		80 Watts
Transient		400 VA
Quiescent Power Consumption		15VA
Voltage Gain		+29dB
Input Impedance		18 kilohms
Frequency response		-3dB @ 2Hz and 65kHz
Case size (H x W x D)		87 x 432 x 314mm
Mains Supply:		100V. 115V. 230V - 50/60Hz
Weight:		15.8kg

# NAP 200 & NAP 150

## 14 Installation and Operation

**The NAP 200 or NAP 150 should be installed in its final operating location before connecting cables or switching on. Switch on the source and preamplifier components, with the volume turned down, before switching on the NAP 200 or NAP 150. The NAP 200 power button is located on the front panel. The NAP 150 power button is located on the rear panel.**

**Both the NAP 200 and NAP 150 can provide power for an appropriate Naim Audio preamplifier. The power supply output is carried on the DIN input socket.**

**The NAP 200 and NAP 150 are heavy and care should be taken when lifting or moving them. Make sure that the surface they are to be placed on can support their full weight.**

### 14.1 connection notes

The negative input and output connections are all common. The mains earth should always be connected regardless of what other equipment is used. This only grounds the case and the electrostatic screen within the transformer, and is not connected to the signal negative. In order to avoid hum loops, the signal negative of the whole system should be connected to the mains earth (ground) in one place. This should be the primary signal source.

### 14.2 protection notes

If the amplifier's external case reaches 70°C due to prolonged running at high power, the mains supply will be interrupted and the illuminated logo will switch off until the amplifier has cooled down. This may take up to thirty minutes.

OPERATION OF THE AMPLIFIER'S THERMAL PROTECTION SUGGESTS PROLONGED USE AT TOO HIGH A VOLUME LEVEL. YOUR LOUDSPEAKERS MAY BE AT RISK IF THIS IS THE CASE. THE VOLUME SHOULD BE REDUCED.

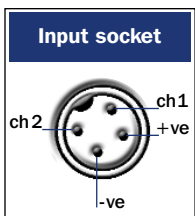
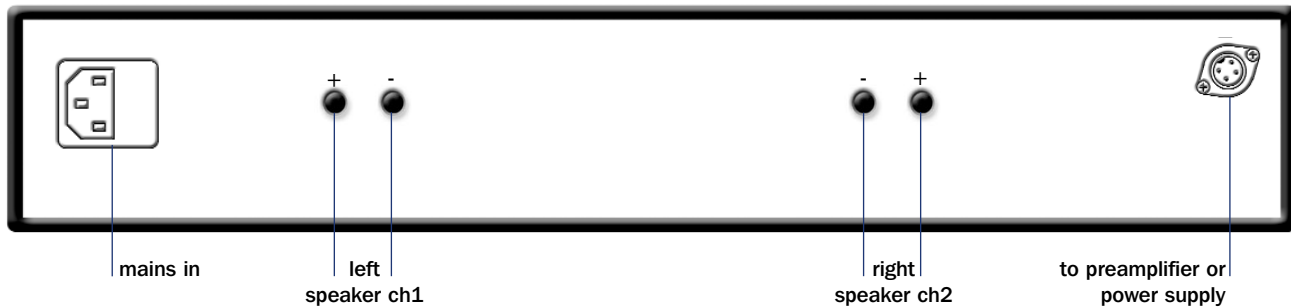
### 14.3 loudspeaker cable and connectors

Only Naim Audio speaker cable should be used to connect a loudspeaker to the output of the amplifier. Custom Naim Audio loudspeaker connectors are supplied to make the connection. IN ORDER TO COMPLY WITH CURRENT EUROPEAN SAFETY REGULATIONS IT IS ESSENTIAL THAT THESE ARE USED.

DAMAGE TO THE AMPLIFIER MAY RESULT IF "HIGH DEFINITION" CABLE OR ANY OTHER SPECIAL CABLE IS USED TO CONNECT THE LOUDSPEAKERS.

# NAP 200 & NAP 150 Connection & Specifications

## 15.1 NAP 200 Rear

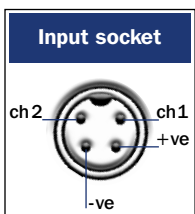
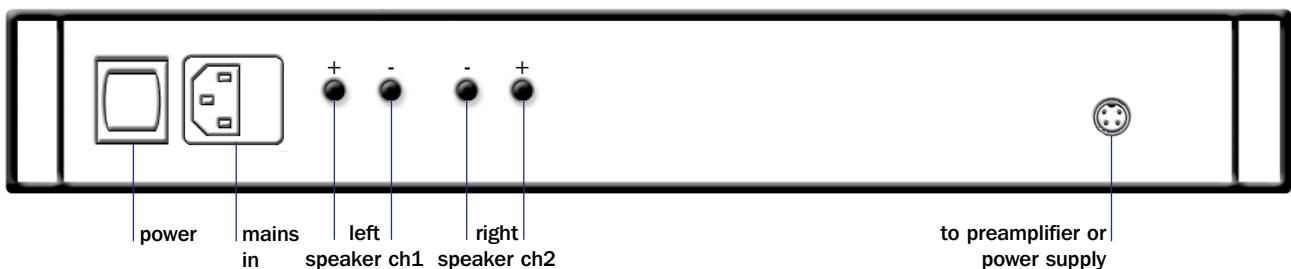


## 15.2 Specifications

### NAP 200

<b>Power Output:</b>	
Continuous, 8 ohms	70 Watts per channel
Transient	300 VA
<b>Quiescent Power Consumption</b>	11VA
<b>Voltage Gain</b>	+29dB
<b>Input Impedance</b>	18 kilohms
<b>Frequency response</b>	-3dB @ 2Hz and 65kHz
<b>Power Supply Output</b>	24V, 0.3A
<b>Case size (H x W x D)</b>	87 x 432 x 314mm
<b>Mains Supply:</b>	100V. 115V. 230V - 50/60Hz
<b>Weight:</b>	11.6kg

## 15.3 NAP 150 Rear



## 15.4 Specifications

### NAP 150

<b>Power Output:</b>	
Continuous, 8 ohms	50 Watts per channel
Transient	250 VA
<b>Quiescent Power Consumption</b>	10VA
<b>Voltage Gain</b>	+29dB
<b>Input Impedance</b>	18 kilohms
<b>Frequency response</b>	-3dB @ 3Hz and 50kHz
<b>Power Supply Output</b>	24V, 0.3A
<b>Case size (H x W x D)</b>	69.4 x 432 x 301mm
<b>Mains Supply:</b>	100V. 115V. 230V - 50/60Hz
<b>Weight:</b>	7.5kg

# NAP V175

## 16 Installation and Operation

**The NAP V175 is a three channel power amplifier intended for use in audio-visual home-theatre systems. The three channels provide audio power to drive a centre channel speaker and a pair of either main front or surround channel speakers. Audio line level input is via two 4-pin DIN sockets - one for the centre channel and one for the main or surround pair.**

**The NAP V175 should be installed in its final operating location before connecting cables or switching on. Switch on the source and preamplifier components, with the volume turned down, before switching on the NAP V175. The NAP V175 power button is located on the rear panel.**

**The NAP V175 is heavy and care should be taken when lifting or moving it. Make sure that the surface it is to be placed on can support the full weight.**

### 16.1 connection notes

The mains earth grounds only the case and the electrostatic screen within the transformer and is not connected to the signal negative. The mains earth must always be connected to “ground” regardless of any other equipment used. In order to avoid hum-loops the signal negative of the whole system should be connected to the mains earth in one place. This should be the primary signal source.

### 16.2 operation and protection

Once installed the NAP V175 is intended to remain permanently powered up via its rear panel switch. If the internal heatsink reaches 70°C due to prolonged running at very high dissipation the mains supply will be interrupted and the indicator light will go off until the amplifier has cooled down. This may take up to thirty minutes.

OPERATION OF THE AMPLIFIER'S THERMAL PROTECTION SUGGESTS PROLONGED USE AT TOO HIGH A VOLUME LEVEL. YOUR LOUDSPEAKERS MAY BE AT RISK IF THIS IS THE CASE. THE VOLUME SHOULD BE REDUCED.

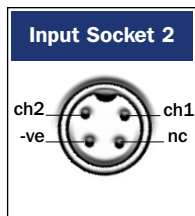
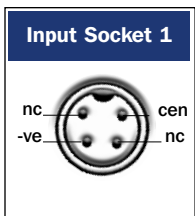
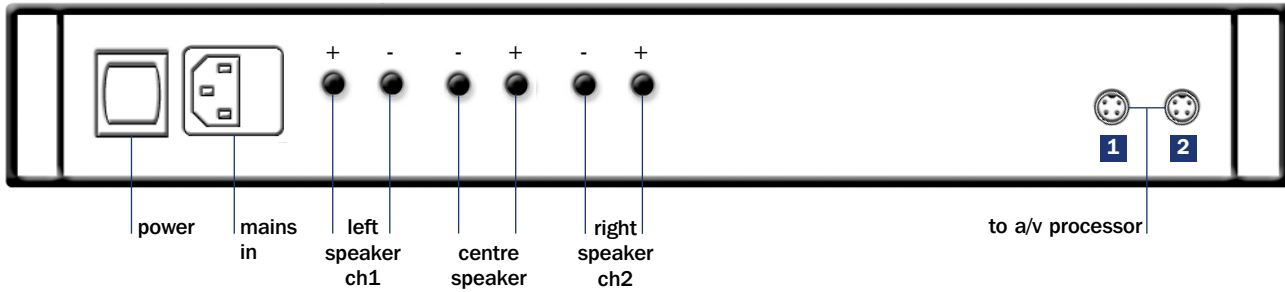
### 16.3 loudspeaker cable and connectors

Only Naim Audio speaker cable should be used to connect a loudspeaker to the output of the NAP V175. Custom Naim Audio loudspeaker connectors are supplied to make the connection. **IN ORDER TO COMPLY WITH CURRENT EUROPEAN SAFETY REGULATIONS IT IS ESSENTIAL THAT THESE ARE USED.**

DAMAGE TO THE AMPLIFIER MAY RESULT IF “HIGH DEFINITION” CABLE OR ANY OTHER SPECIAL CABLE IS USED TO CONNECT THE LOUDSPEAKERS.

# NAP V175 Connection & Specifications

## 17.1 NAP V175 Rear



## 17.2 Specifications

### NAP V175

#### Power Output:

Continuous, 8 ohms

50 Watts per channel

Quiescent Power Consumption

13VA

Channels

Three

Voltage Gain

+29dB

Input Impedance

18 kilohms

Frequency response

-3dB @ 3Hz and 50kHz

Case size (H x W x D)

69.4 x 432 x 301mm

Mains Supply:

100V. 115V. 230V - 50/60Hz

Weight:

7.9kg

# Declaration of conformity to appropriate standards

## Manufacturer

Naim Audio Limited, Southampton Road, Salisbury, England, SP1 2LN

## Products

NAP 500, NA PS500, NAP 300, NA PS300, NAP 250, NAP V145, NAP 200, NAP 150, NAP V175

## Safety

HD 195-S6  
EN 60 065

## EMC

Emissions Tested to: EN 55013 - Sound and television broadcast receivers and associated equipment  
Immunity Tested to: EN55020 - Electromagnetic immunity of broadcast receivers and associated equipment  
In accordance with: CISPR 16-1 - Radio disturbance and immunity measuring apparatus  
CISPR 16-2 Methods of measurement of disturbances and immunity  
IEC 801-2 8KV (air gap) 4KV (contact) (performance criterion B)  
IEC 801-3 3V/m 20dB (performance criterion A)  
IEC 801-4 1KV (AC lines) 0.5KV (signal lines) (performance criterion B)

