

D20A & H20A User Manual



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Congratulations on your new Hegel reference amplifier. The P30A preamplifier and the H30A power amplifier represent the spearhead of our amplifier technology.

We have nicknamed the P30A The Conductor because that is what it is. Its job is to conduct the power amplifier as precisely as possible and to feed that amplifier with a signal that is as true to the music as possible. To achieve this, we use single pair FET transistors, a dead quiet volume control, very short signal paths, and our Sound Engine technology. This makes the P30A sounds very smooth and natural, without compromising on the details. It is a truly brilliant conductor of all music.

The H30A we nicknamed The Orchestra. Its job is to take command of any music on any speakers and make it sound as good

as possible without breaking a sweat. And we can think of no more challenging music than a large orchestral piece. The H30A is an absolute powerhouse of an amplifier. In its mono state it delivers a truly astounding 1100 watts in 8 ohms, and it is stable even with 1-ohm loads. It is an amplifier can drive basically all known loudspeakers with authority and ease. It never sounds forced, only relaxed and musical. It is the large orchestra that brings life to any music in any venue.

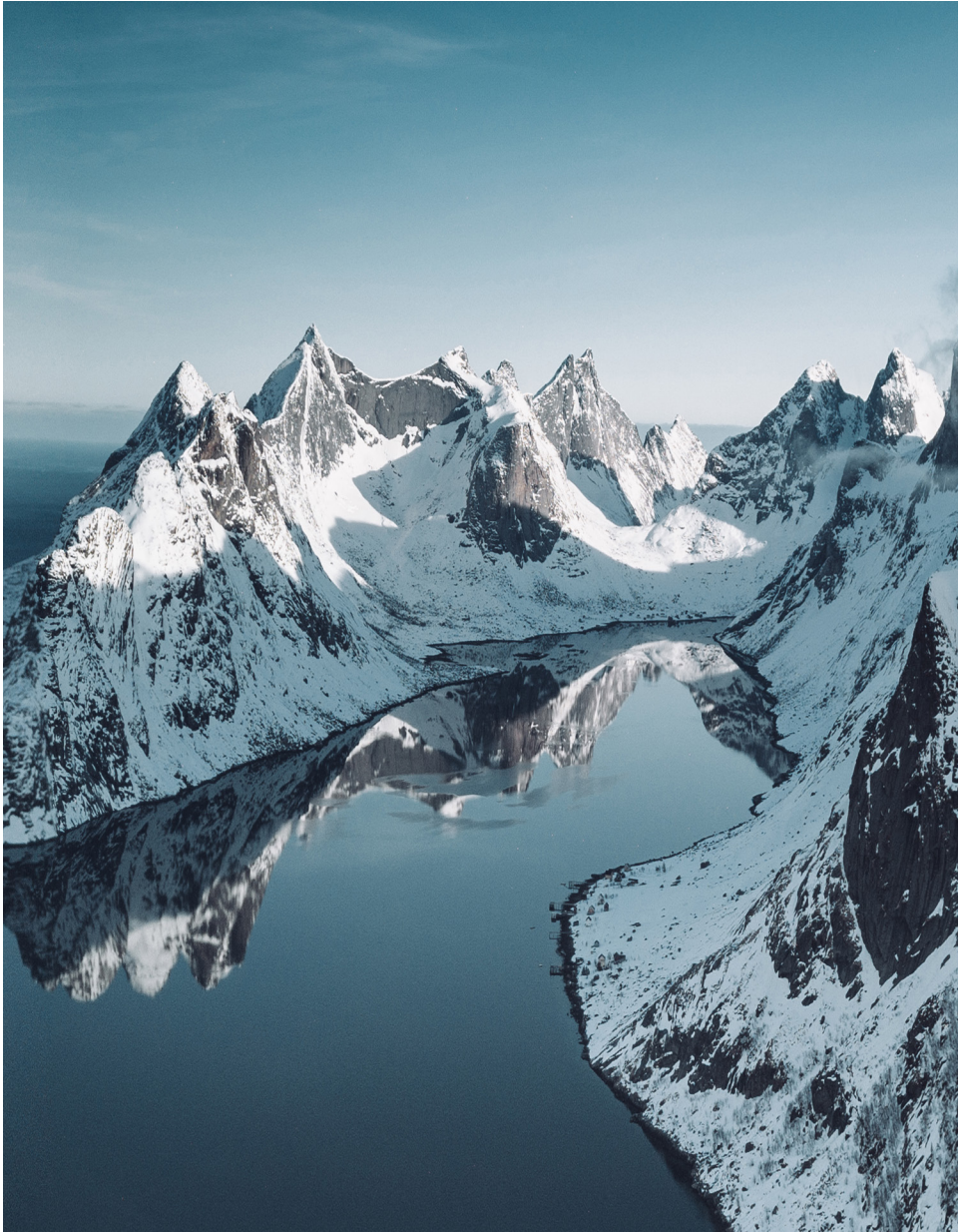
We hope you enjoy.

A handwritten signature in black ink, appearing to read 'Bent Holter', with a long horizontal line extending to the right.

Bent Holter
Founder Hegel Music System

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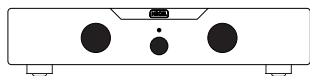


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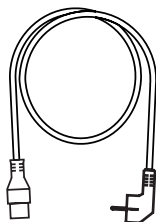
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What's in the box

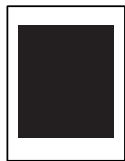
P30A



Preamplifier



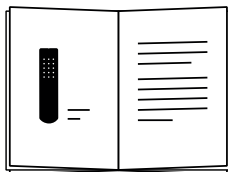
Power Cord



Accessory Box

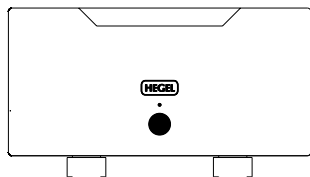


Remote Control

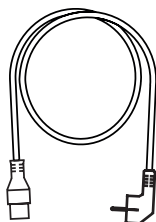


User Manual

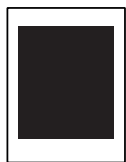
H30A



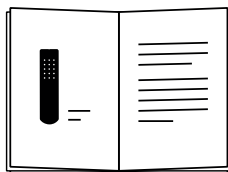
Power Amplifier



Power Cord

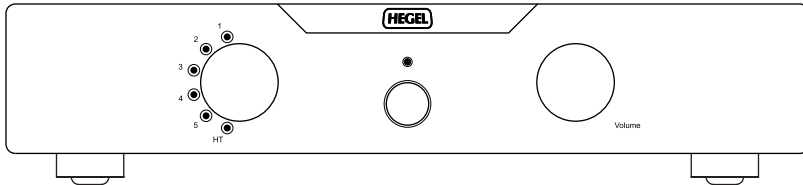


Accessory Box



User Manual

P30A



Operating the P30A

The source and volume can be changed using the input and volume selector on the front panel or using the remote control.

Power Button

The P30A preamplifier can be switched on and off with the power button located in the middle of the front panel.

NOTE: When powering up, the P30A takes about 60 seconds to calibrate, the outputs are muted and the power light flashes to indicate that mute is on. This is normal and is part of the start-up procedure. When the power light stops flashing the P30A is ready to use.

NOTE: When the P30A has been switched off, wait 30 seconds before powering it on again.

Inputs

The P30A has both unbalanced (RCA) and balanced (XLR) analog inputs. If you have a source with fully balanced outputs, we recommend using balanced cables to connect the source to the P30A.

Outputs

The P30A has both unbalanced (RCA) and balanced (XLR) analog outputs. If you have a power amplifier with fully balanced inputs, we recommend using balanced cables to connect the P30A to the power amplifier.

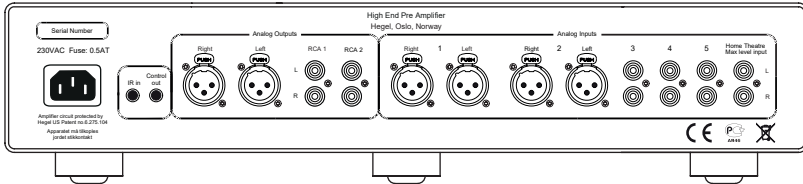
Control Output

The control/trigger output uses a regular 3,5 mm jack plug. The control output will function with most control/trigger inputs (5-12V) from other manufacturers, but is only guaranteed to work with HEGEL control inputs.

IR Direct Input

This input can be used to connect to an external IR receiver or home automation system.

Connections



Always power off the preamplifier before connecting input/output audio cables and the power cable.

AC Power Connection

- AC Power connector: 230V/115V/100V AC depending on country

IR Direct Input

- Input for IR Receiver cable (3,5 mm jack)

Control output

- 12V control/trigger output (3,5mm jack)

Analog Outputs

- XLR: Variable balanced analog output
- RCA: Variable unbalanced analog output

NOTE: The RCA 2 output can be configured to work as a fixed analog output. Please contact your Hegel dealer for more information.

NOTE: All outputs are always active, allowing you to connect several products simultaneously.

Analog Inputs

- 1 (XLR): Standard balanced analog input
- 2 (XLR): Standard balanced analog input
- 3 (RCA): Standard analog input
- 4 (RCA): Standard analog input
- 5 (RCA): Standard analog input
- HT: Home Theatre Max level input

WARNING:

The Home Theatre input uses a fixed high volume level. To prevent damage to your system and your hearing, only connect sources with its own volume control,

NOTE: The Home Theatre input can be configured to work as a standard analog input. Please contact your Hegel dealer for more information.

NOTE: XLR Pin Configuration:

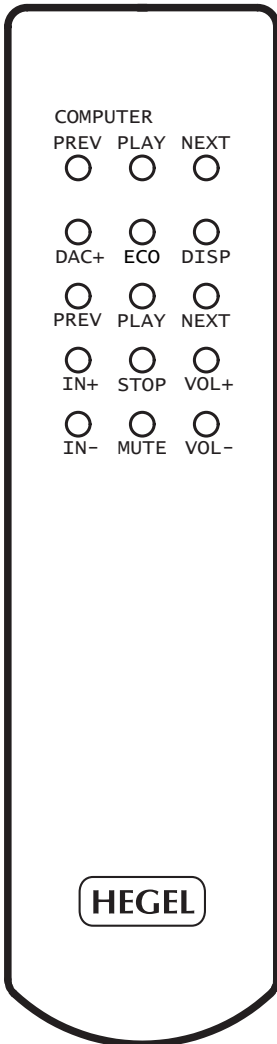
Pin 1 is Chassis Ground; Pin 2 is Positive Phase; Pin 3 is Negative Phase



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Remote Control - RC8



Remote control buttons (starting top left)

1. **PREV** Skip to previous track on most media players
2. **PLAY** Play/Pause on most media players
3. **NEXT** Skip to next track on most media players
4. **DAC+** Input source selector button for Hegel DACs
5. **ECO** Sets device in low power mode
6. **DISP** Display on/off (hold for off)
7. **PREV** Skip to previous track on Hegel CD-players
8. **PLAY** Play/Pause for Hegel CD-players
9. **NEXT** Skip to next track on Hegel CD-players
10. **IN+** Switches to next input on Hegel amplifiers
11. **STOP** Stop/Eject for Hegel CD-players
12. **VOL+** Volume up for Hegel amplifiers
13. **IN-** Switches to previous input on Hegel amplifiers
14. **MUTE** Mute for Hegel amplifiers
15. **VOL-** Volume down for Hegel amplifiers

General information

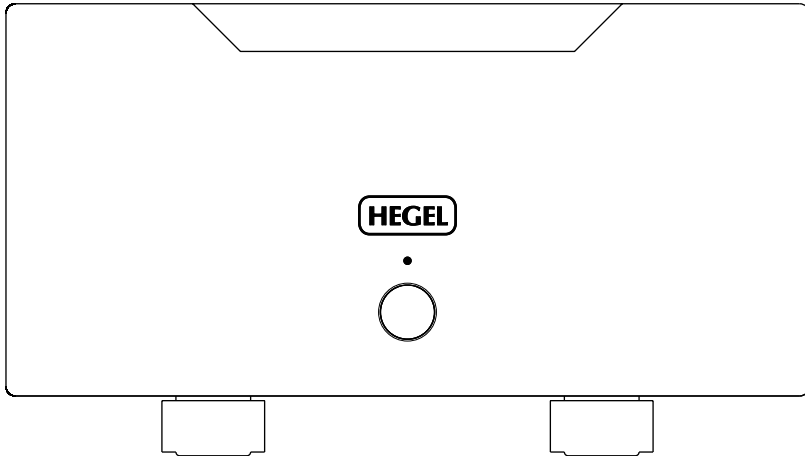
The Hegel amplifier can be controlled with the included Hegel RC8 Remote Control. The RC8 controls Hegel products, such as amplifiers and preamplifiers, and most media players, avoiding the need for multiple remote controls.

Batteries

The remote control uses two standard 1.5-volt LR03 AAA batteries. To insert the batteries, use a crosshead (Phillips) screwdriver to remove the back lid.

CAUTION: When reassembling the remote, be careful not to overtighten the screws, as this might damage the screws and the threads.

H30A



Operating the H30A

The Hegel H30A is a power amplifier that can be operated in either mono or stereo mode. Read more about the mono / stereo connection on page 14 and 15.

Power Button

The H30A amplifier can be switched on and off with the power button located in the middle of the front panel.

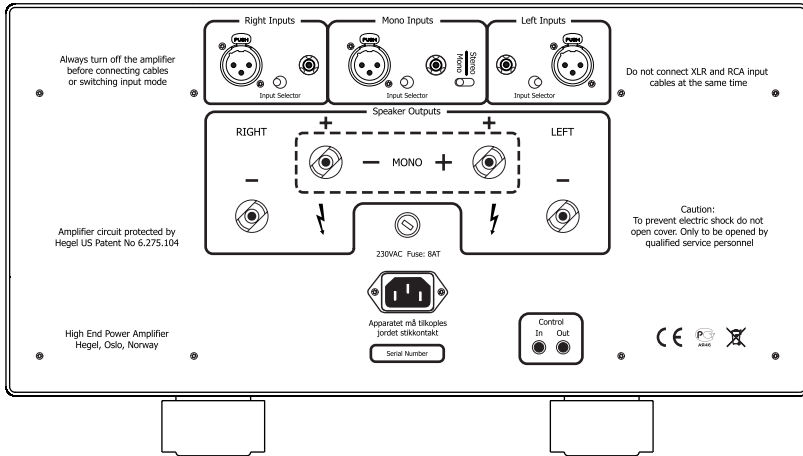
NOTE: When the H30A has been switched off, wait 30 seconds before powering it on again.

Control Input/Output

The H30A has a control/trigger input and output. If connected, a steady 5-12V signal will turn the outputs on. When the signal is 0V signal the output will be turned off. The control output allows you to daisy chain more H30's or other devices. The control connector uses a regular 3,5 mm jack plug. The control connectors will function with most trigger outputs (5-12V) from other manufacturers, but is only guaranteed to work with HEGEL control outputs.

NOTE: Connecting to a trigger output with more than 12V output may harm the amplifier and is not covered by the warranty.

Connections



Always power off the power amplifier before flipping any switches or connecting input/output audio cables and the power cable.

Analog Inputs Right/Left

- XLR: Standard balanced analog input
- Input Selector
- RCA: Standard analog input

Analog Inputs Mono

- XLR: Standard balanced analog input
- Input Selector
- RCA: Standard analog input
- Stereo/Mono switch

NOTE: XLR Pin Configuration:

Pin 1 is Chassis Ground; Pin 2 is Positive Phase; Pin 3 is Negative Phase

Speaker Outputs

- Speaker output right
- Speaker output mono:
+ right = - mono, + left = + mono
- Speaker output left

AC Power Connection

- AC Power connector: 230V/115V/100V AC depending on country

Control input

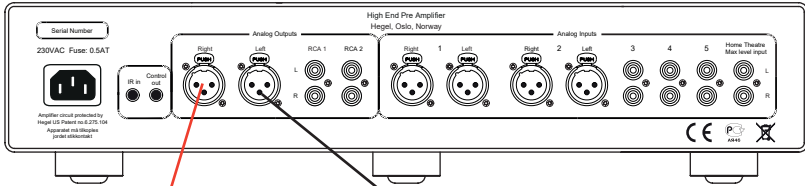
- 5-12V control/trigger input (3,5mm jack)

Control output

- 12V control/trigger output (3,5mm jack)

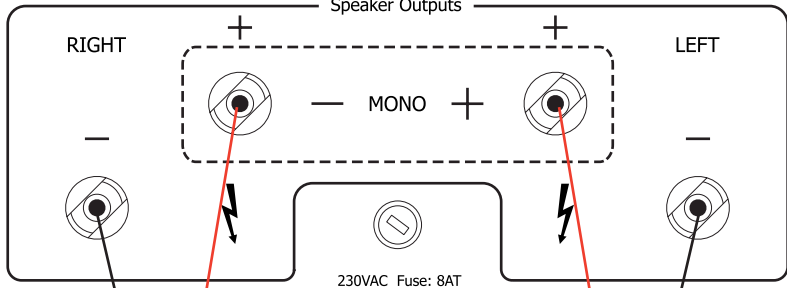
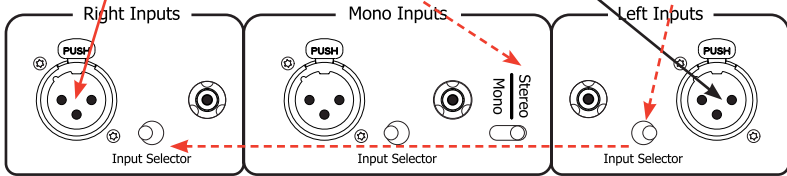
Stereo Mode

When using the H30 as a stereo power amplifier, follow these instructions.



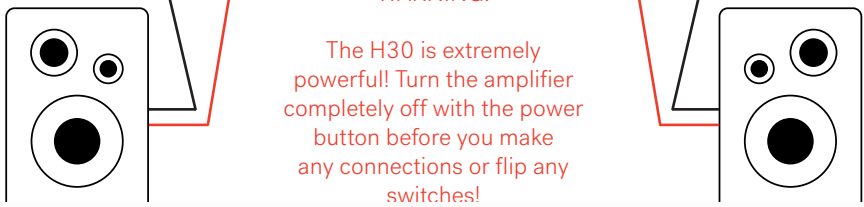
Set the Stereo/Mono switch to Stereo

Make sure the input selectors are pointing towards the connectors you are using. In this example, XLR.



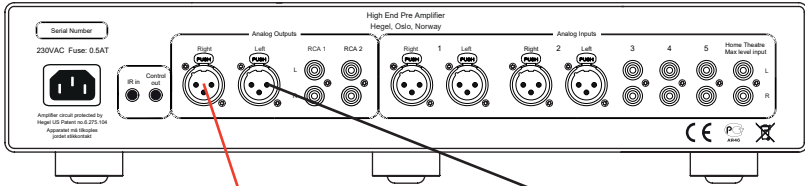
WARNING:

The H30 is extremely powerful! Turn the amplifier completely off with the power button before you make any connections or flip any switches!



Mono Mode

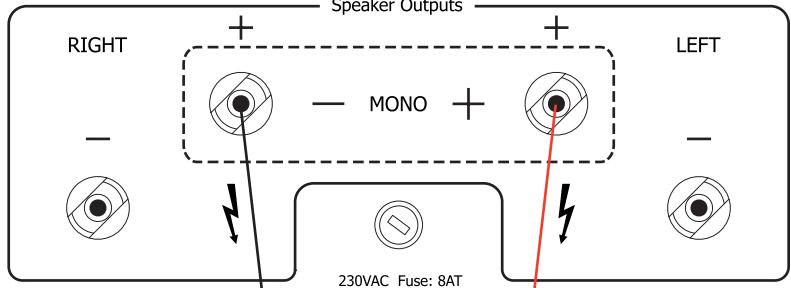
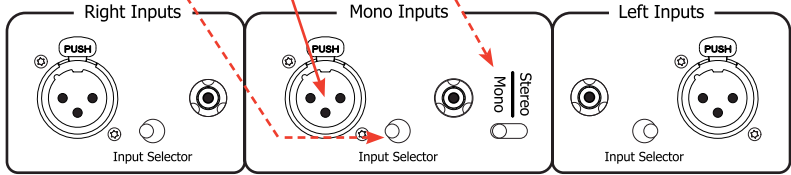
When using the H30 as a mono power amplifier, follow these instructions.



Make sure the input selector is pointing towards the connector you are using. In this example, XLR.

Set the Stereo/Mono switch to Mono

Set up your other H30A exactly like this, then connect it to the left output.



WARNING:

The H30 is extremely powerful! Turn the amplifier completely off with the power button before you make any connections or flip any switches!

Technical Specifications

P30A Preamplifier

Remote control	Volume, source and mute
Inputs	2 x XLR balanced, 3 x RCA unbalanced and Home Theatre inputs
Outputs	1 x XLR balanced and 2 x RCA unbalanced outputs
Other connections	3,5mm IR-direct jack, 3,5 mm jack 12V trigger output
Signal to noise ratio	More than 130 dB balanced mode
Crosstalk	Less than -100 dB
Distortion	Less than 0.005 %
Intermodulation	Less than 0.01% (19kHz+20kHz)
Finish:	Black
Dimensions/weight	9,6 cm x 43 cm x 30 cm (HxWxD), 7,2 kg
Dimensions/weight US	3,8" x 17" x 12" (HxWxD), 15.9 lbs

H30A Power Amplifier

Output power	More than 1100 W in 8 ohms (mono)
Min. load impedance	1 ohm load
Inputs	RCA unbalanced and XLR balanced
Speaker outputs	One pair of heavy duty gold plated terminals
Input impedance	Balanced 20 kohm, unbalanced 10 kohm
Signal to noise ratio	More than 100 dB
Crosstalk	Less than -100 dB
Distortion	Less than 0.003% at 100 W in 8 ohm
Intermodulation	Less than 0.01% (19 kHz + 20 kHz)
Damping factor	More than 500 (mono)
Power supply	2000 VA dual mono, 270,000 µF capacitors
Output stage	56 pcs 15 A 200 W high speed, ultra-low distortion bipolar transistors
Power consumption	120 W in idle mode, 30 W in ECO mode
Finish	Black
Dimensions/weight	24 cm x 43 cm x 57,5 cm (HxWxD), weight 47,4 kg
Dimensions/weight US	9,4" x 17" x 25,6" (HxWxD), 104.5 lbs

General Information

Unpacking and Packing

When lifting the amplifier, be careful not to hold the knobs or connectors.

Slide the bag off/on the device. When packing, make sure the bottom shock absorber is placed at the bottom of the original cardboard box. Place the amplifier into the shock absorber. Place the top shock absorber on top of the amplifier.

Placement and Cooling

The Hegel amplifier should be placed on a flat, hard surface for proper cooling. The amplifier must never be placed on a carpet or similar surface as this obstructs air circulation through the unit. For the same reason, the amplifier should have sufficient clearing above, and never be covered while in use.

The H30A power amplifier will automatically switch itself off if overheated. When it cools down the amplifier turns back on.

Cleaning

Fingerprints or stains on the front panel or top cover can be removed with a cloth moistened with warm water or a mild detergent suitable for cleaning mirrors and windows.

Power

All electrical components should be turned off when not in use. This due to safety, because all electrical components can fail, and it is good for the environment. Leaving your product on all the time could also shorten the life expectancy of the product.

That being said, our products sound even better when they are warmed up, typically after about 15 minutes of listening at a moderate volume.

Warning

Hegel products should only be opened or serviced by certified technicians. The devices contain electronic components that may cause severe electric shock. Work performed on Hegel products by unqualified personnel may cause serious damage or personal injury.

Opening of the product by non-authorized personnel will void the warranty.

The products must not be exposed to rain or moisture.

Warranty

All Hegel products come with a 2-year warranty against defective materials and workmanship. The warranty is limited to the region where it was originally purchased. There is no need for registering the warranty. The purchase receipt will work as a start date for the warranty.

In case you need assistance with your Hegel product, please contact your nearest dealer or distributor. These are listed on www.hegel.com. Our dealers are carefully chosen for their expertise and should be able to help you with any Hegel related issue. You can of course always reach us directly by sending an email to info@hegel.com or by contacting us on our social media pages.

For more information about the P30A and H30A, please visit www.hegel.com



V1



