

## H600 User Manual





Congratulations on your new Hegel H600. All Hegel products are based on a simple philosophy: Add as little as possible. We work to keep the music signal as close to the original as possible. We are always looking for ways to lower distortion and noise so that the music is only limited by the quality of the recording.

H600 is our reference integrated amplifier and sets a new standard in our line-up of integrated amps. With its 303 watts in 8 ohms, a damping factor of 4000, and 2 ohms drive capability, this powerhouse of an amplifier can drive any speaker with confidence and ease. With its immensely wide and deep soundstage, incredible dynamic range, and tremendous bass control, H600 reveals all the details and nuances in the music.

It also features a comprehensive list of streaming options with UPnP streaming, Spotify Connect, Airplay, Tidal Connect, and Chromecast built-in. The H600 is an extremely capable and great-sounding amplifier. It is highly versatile and delivers high-end sound and ease of use, all in a high-quality, minimalist housing that fits any interior style.

The H600 is a powerhouse

Bent Holter  
Founder Hegel Music System

A handwritten signature in black ink, which appears to be 'Bent Holter', written in a stylized, cursive script.

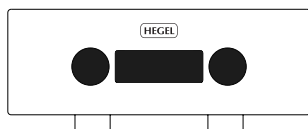
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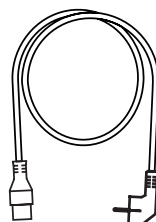


Before powering on the amplifier, make sure you have read and understood the safety instructions and warnings found on [support.hegel.com](https://support.hegel.com)

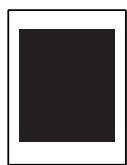
## What's in the box



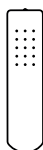
Amplifier



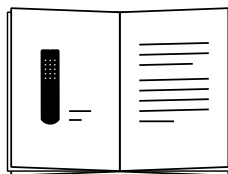
Power Cord



Accessory Box



Remote  
Control

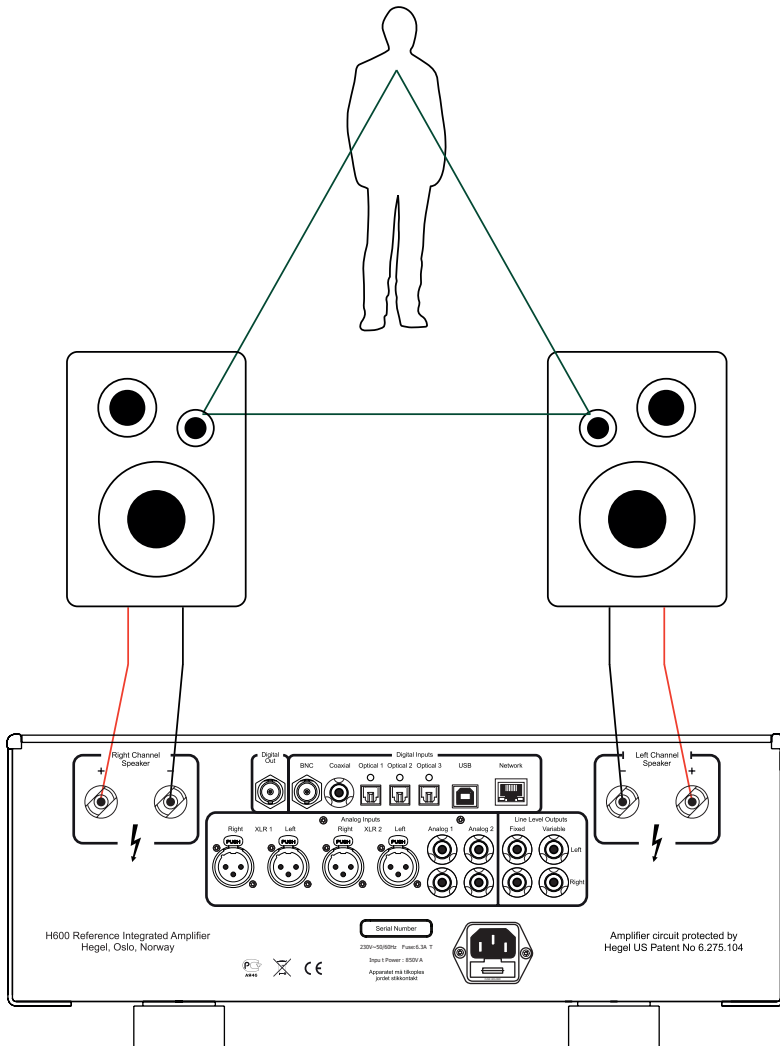


User Manual

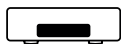
# Quickstart

## 1. Connect your speakers

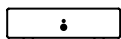
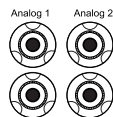
For the best audio experience, the distance between the listener and each speaker should be the same.



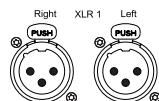
## 2. Connect a source



Unbalanced Analog



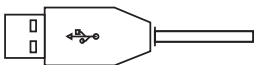
Balanced Analog



BNC Digital

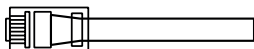


Coaxial Digital



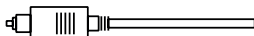
USB Computer

USB



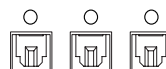
Network streaming

Network

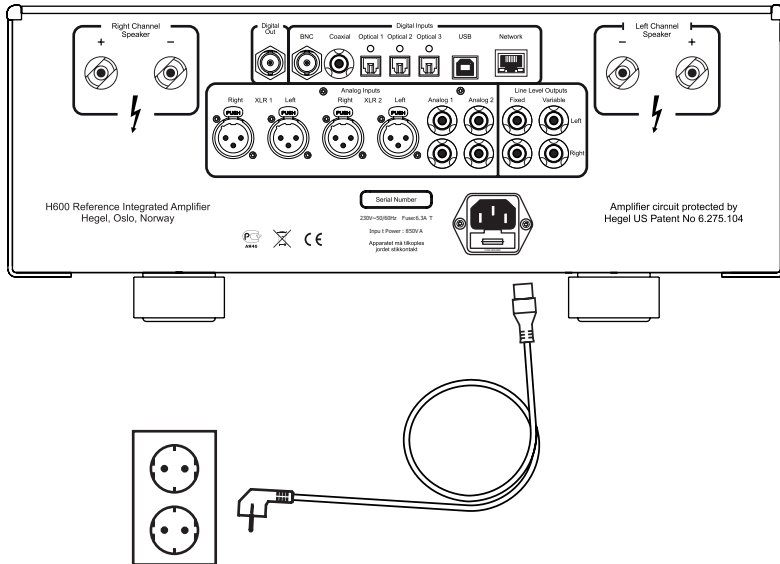


Optical Digital

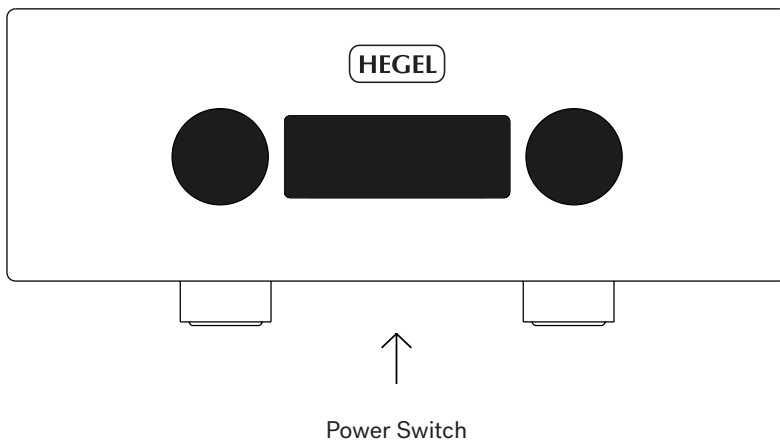
Optical 1 Optical 2 Optical 3



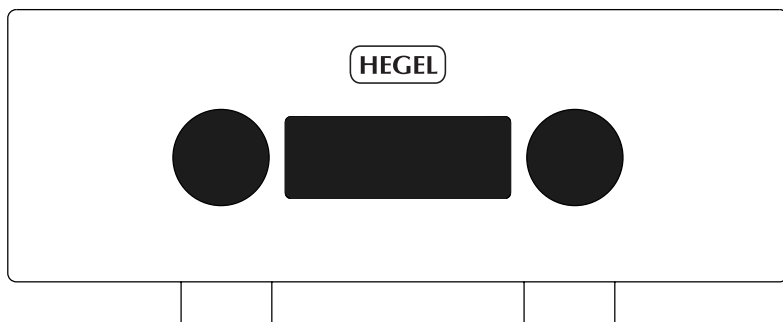
### 3. Connect the power cord



4. Turn on the amplifier



## General Use



### Source Selector

The source can be changed by turning the source selector on the front panel. Press to pause/play. Press and hold to enter the menu. Turn the wheel to navigate. Press to select or enter submenus.

### Volume Selector

The volume can be changed by turning the volume selector on the front panel. Press the volume selector to toggle mute on/off. Press to exit the menu.

### Power Button

The H600 amplifier can be switched on and off with the power button located on the underside of the amplifier, towards the front of the unit. When powered on, press and hold the power button to reboot the amplifier.

**NOTE:** When powering up, the H600 takes a few seconds to calibrate, the outputs are muted and the volume flashes to indicate that mute is on. This is normal and is part of the start-up procedure. When the H600 has been switched off, wait 30 seconds before powering it on again.

### Sleep/Auto standby

In compliance with the EU Energy Efficiency Directive, the Hegel device will automatically go into standby mode after 15 minutes without sensing a signal, or with a very low signal on the speaker outputs. You can disable or change the Sleep/ Auto Standby settings in the [Device Menu](#). When in standby, a small light in the bottom left corner of the display is lit.

### Wake on LAN

By default, the amplifier will not automatically wake when receiving an ethernet (LAN) signal. You can activate this feature in the Auto In settings in the Device Menu.

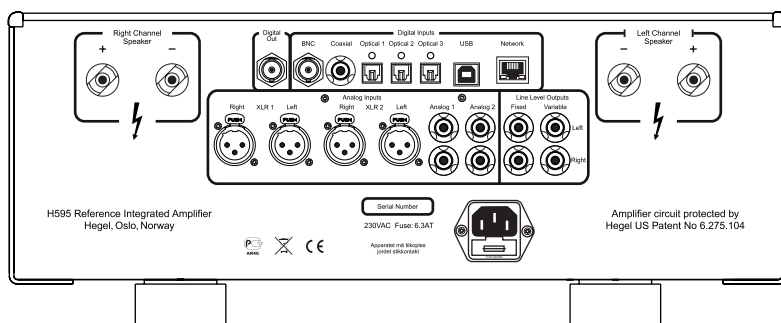
### Automatic Update

When entering standby mode, the device will automatically look for and install new updates. With Wake on LAN enabled, updates will download and install while in standby.

### Critical Updates

In rare cases, a critical update may occur. These will download and install immediately, even if the device is in use.

## Connections



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

### Right Channel Speaker

- Right outputs

### Digital Out (DAC loop)

- BNC: Output BNC

### Digital Input

- BNC: Input BNC
- Coaxial: Input Coaxial/RCA
- Optical1: Input TOSLINK/EIAJ Optical
- Optical2: Input TOSLINK/EIAJ Optical
- Optical3: Input TOSLINK/EIAJ Optical
- Computer USB input
- Home network connection (LAN - RJ45)

### Left Channel Speakers

- Left outputs

### Analog Inputs

- XLR1 (XLR): Standard balanced analog input (Pin 1 is Chassis Ground; Pin 2 is Positive Phase; Pin 3 is Negative Phase)
- XLR2 (XLR): Standard balanced analog input (Pin 1 is Chassis Ground; Pin 2 is Positive Phase; Pin 3 is Negative Phase)
- Analog 1 (RCA): Standard analog input
- Analog 2 (RCA): Standard analog input

### Line Level Outputs

- Fixed Line level (RCA)  
WARNING High level output
- Variable Line Level (RCA)

### AC Power Connection

- AC Power connector with fuse holder: 230V/115V/100V AC depending on country.

### Home Theater

Most inputs on the H600 can be used as a Home Theater input, see [Device Menu](#).

## Digital Inputs and Formats

### Input sense

All digital inputs except USB have input sense. When the H600 detects a signal on one of these inputs it will turn on and switch to the active input. See Auto In in the [Device Menu](#) for setup.

### Maximum supported resolution

|           |                      |
|-----------|----------------------|
| Coax/BNC: | 24/192 + DSD64(DoP)  |
| Optical:  | 24/96                |
| USB:      | 32/384 + DSD256(DoP) |
| Network:  | 24/192 + DSD64(DoP)  |

### Supported formats UPnP

MP3, WAV, FLAC, ALAC, AAC, PCM, MQA, Ogg

### USB

The Hegel H600 has a plug-and-play USB DAC that is designed to work with computers. Connect it to your PC or Mac and enjoy all your music.

### MQA (Master Quality Authenticated)

Hegel H600 includes MQA technology, which enables you to play back MQA audio files and streams, delivering the sound of the original master recording.

"MQA" or "MQA." in the display indicates that the product is decoding and playing an MQA stream or file, and denotes provenance to ensure that the sound is identical to that of the source material. "MQA." indicates it is playing an MQA Studio file, which has either been approved in the studio by the artist/producer or has been verified by the copyright owner. "OFS" confirms that the product is receiving a decoded MQA stream or file. This delivers the final unfold of the MQA file and displays the original sample rate.

Hegel H600 supports up to MQA 8X (352.8kHz/384kHz)

Visit [mqa.co.uk](http://mqa.co.uk) for more information.

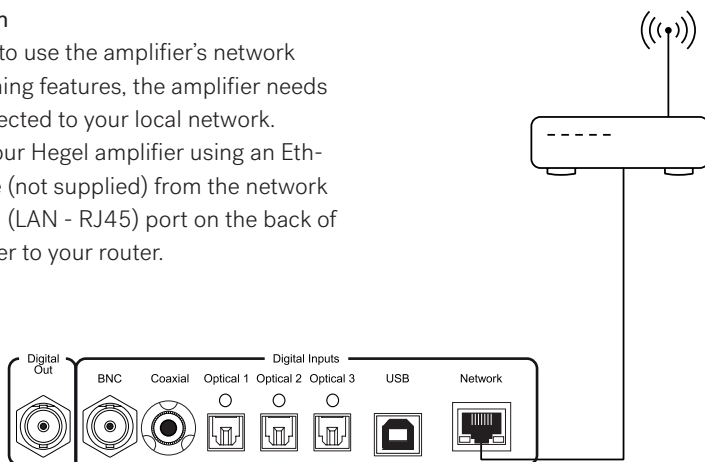


## Network Setup

### Connection

To be able to use the amplifier's network and streaming features, the amplifier needs to be connected to your local network.

Connect your Hegel amplifier using an Ethernet cable (not supplied) from the network connection (LAN - RJ45) port on the back of the amplifier to your router.



### Network settings

The amplifier has its own Network Configuration page where you can change the amplifier's network name and IP settings.

To open the page, enter your amplifier's IP address in a browser window.

You can find the IP address in the [Device Menu](#) under "Network".

For detailed information on the Network Configuration page, supported formats, and much more, please visit [support.hegel.com](http://support.hegel.com)



**NOTE:** Some of the features of the Hegel device require an internet connection.

### Status Indicators

The Hegel device will display the network status in the lower left corner of the display.

Network status  
is OK:



### Troubleshooting

If you experience problems with connecting the amplifier to the network or have other network issues, when powered on, press and hold the device power button until the device reboots. If that does not help, disconnect the power chord for at least 30 seconds and then reconnect.

## Streaming and Control App

### AirPlay

With Apple AirPlay, you can enjoy your favorite music or podcasts on your Hegel device.

Choose the Hegel device in the list of AirPlay speakers. Go to [apple.com/airplay](https://apple.com/airplay) to learn how.



### Spotify Connect

Spotify is all the music you'll ever need. Millions of songs available instantly. Just search for the music you love, or let Spotify play you something great.

Spotify works on your phone, tablet, computer and home-speakers. So you'll always have the perfect soundtrack for whatever you're doing.

Go to [connect.spotify.com](https://connect.spotify.com) to learn how to play to your Hegel device.



### Google Cast™

Google Cast is a feature that lets you stream your favorite music from your phone, tablet or laptop right to your amplifier. Simply tap the Cast icon from apps you already know and love to start streaming.

**NOTE:** To enable Google Cast, it is necessary to accept the Google Terms of Service and Privacy Policy. This is done in the Hegel Control app that can be found in Apple App Store and Google Play.



### Tidal Connect

Tidal is a digital music and video streaming service that offers high resolution audio. With Tidal Connect you can stream your favorite music seamlessly across supported devices, without any loss in quality.



### WARNING:

When streaming to the Hegel device, always remember to check the player/device volume setting before pressing play. The Hegel device will change its volume to the volume set in the player.

## Airable

The Airable service enables hi-fi systems to meet the changing and challenging online media expectations of consumers. Airable gives access to the market-leading Airable radio and podcast catalogues. The Airable catalogue contains more than 70,000 radio stations and 70,000 podcasts worldwide. Access Airable in the Hegel Control app.



## Roon Ready

Roon is a music management and listening solution which is dedicated to high sound quality and exceptional user experience.

You can stream audio from Roon to the Hegel device. Go to [hegel.com/roon](https://hegel.com/roon) to learn more.



## Qobuz Connect

Qobuz is a high-quality music platform. Seamlessly enjoy the full Qobuz experience. Simply launch Qobuz and press play; it's that simple.

Qobuz is available on PC, Mac, web player, and iOS and Android apps. Learn more at [qobuz.com](https://qobuz.com).



## UPnP/DLNA

UPnP is a widely used media streaming protocol that is supported by a host of media player products and applications. When using UPnP/DLNA you can stream from locally stored files or music streaming services to the Hegel device. For details on how to set up your media player, please refer to the user manual supplied with the player.

## Hegel Control App

The Hegel Control app is used for first-time setup of some of the device's streaming features. It can control streamed music, volume, and inputs. The app also gives you access to Airable internet radio and podcasts, music stored on connected drives, as well as network configuration.

### Google Play



### Apple App Store



NOTE: Hegel may release automatic feature updates for both the product and the app.

For an up-to-date and in-depth description of its streaming features, please visit [support.hegel.com](https://support.hegel.com)



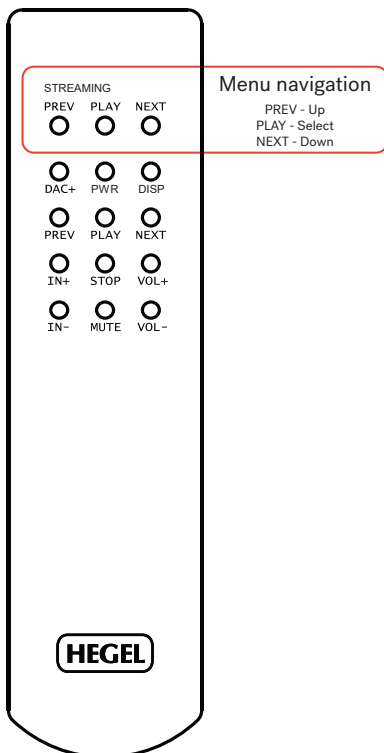
# Device Menu

## Navigation

To enter the device menu, turn on the Hegel device and press and hold the COMPUTER PLAY button for 5 seconds. To navigate the menu, use the PREV and NEXT buttons.

To select a sub-menu or feature, press the PLAY button. To exit the menu, navigate to "Exit" and press PLAY. You can also use the source selector to enter and navigate the device menu. See [General Use](#).

**NOTE:** Some menu features require a connection to the internet to work properly. See [Network Setup](#).



## Info

Information about the Hardware Version of your product and the Firmware Version currently running.

## Network

Information about the Network Device Name and the IP Address of your device.

## Sleep

By default, this Hegel device will automatically go into standby mode after 15 minutes without music, or with a very low signal on the speaker outputs. The Sleep timer can be adjusted or disabled in this menu.

## Auto In

Change how the device operates when receiving a signal on digital inputs except USB. Configure Wake on Lan, Auto input switching, and Wake from standby on digital signal.

## Display

Change the display brightness and default on/off settings. When off, the display will light up momentarily when changes are made to the input or volume, or when pressing DISP on the remote.

## Volume/USB volume

Adjust maximum volume and maximum startup volume.

In this submenu you can also enable USB volume control. Make sure the volume of your connected USB device is set low.

## Remotes

Enables you to use your TV remote to turn on your Hegel device and adjust its volume. You can also configure automatic input selection and automatic power on.

\*Works with most newer Samsung, Sony, LG, and Philips IR and Smart TV remotes.

## HT

Most inputs can be configured to act as a Home Theater input. This will set the input volume at a fixed high volume level. Only connect sources with volume control.

## DAC-loop/Digital out

Your device features a DAC-Loop function, designed to elevate the performance of your amplifier's digital inputs when paired with an external high-end DAC. This setup allows you to continue using your amplifier's digital connections and streaming features as usual while sending a jitter-reduced signal to the external DAC. The result is enhanced performance and improved audio quality.

Connection:

- Amplifier digital output (coaxial) to DAC coaxial input.
- DAC XLR output to amplifier XLR input.

In this submenu, you can also enable the digital output to always be active.

## Reset

Here you can reset the product to the default factory settings. This will not affect any firmware updates you have installed.

## Exit

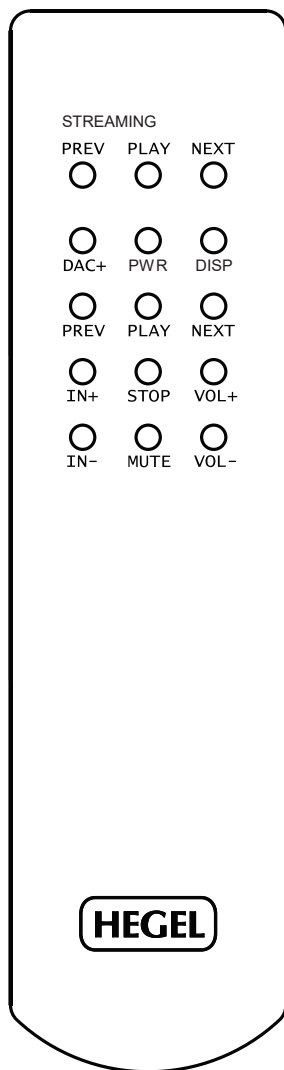
Exit the menu

NOTE: The Hegel device menu can be updated with new features and options.

For an up-to-date and in-depth description of the menu and its features, please [visit support.hegel.com](https://support.hegel.com)



## Remote Control - RC8



### Remote control buttons

|      |                                                          |
|------|----------------------------------------------------------|
| PREV | Skip backward on compatible USB or network media players |
| PLAY | Play/Pause on compatible USB or network media players    |
| NEXT | Skip forward on compatible USB or network media players  |
| DAC+ | Input selector on DACs                                   |
| PWR  | Standby on amplifiers                                    |
| DISP | Display on/off on amplifiers<br>Hold for display off     |
| PREV | Skip backward on CD-players<br>Hold to rewind            |
| PLAY | Play/Pause on CD-players                                 |
| NEXT | Skip forward on CD-players<br>Hold to fast forward       |
| IN+  | Switch to next input                                     |
| STOP | Stop on CD-players                                       |
| VOL+ | Volume up                                                |
| IN-  | Switch to previous input                                 |
| MUTE | Mute on amplifiers                                       |
| VOL- | Volume down                                              |

### General information

This Hegel device can be controlled with the included Hegel RC8 Remote Control. The RC8 also controls other Hegel products, such as CD players and preamplifiers, and most connected media players.

### 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. When reassembling, place the lid with the markings facing out and be careful not to overtighten the screws.

# General Information

## Connecting a subwoofer

The most common way to connect a subwoofer is from the variable line output on your Hegel amplifier. If your subwoofer is equipped with “high-level” speaker wire terminals, you can also use this. Many subwoofer manufacturers recommend this type of connection if it is available.

Please consult your subwoofer manual for detailed instructions on how to connect and configure your subwoofer for the best audio result.

## Power

All electrical components should be turned off or set in standby mode when not in use. This is 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.

## Connecting your TV

The best way to connect your TV is by using one of the optical inputs. If there is no sound, try changing the sound output in the TV’s settings menu. The setting should be changed to “optical” or “digital out” and the signal should be “PCM” or “stereo”. Please consult your TV manual for detailed instructions.

The volume on this device can also be controlled by certain TV remotes. See [Device Menu](#) for more information.

## Technical Specifications

### H600 Integrated Amplifier

|                       |                                                                                                                                                                                                                                 |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power output          | 2*303W in 8 ohms<br>Dual Mono                                                                                                                                                                                                   |
| Minimum load          | 2 ohms                                                                                                                                                                                                                          |
| Analog inputs         | 2*Balanced (XLR)<br>2*Unbalanced (RCA)                                                                                                                                                                                          |
| Digital outputs       | 1*Coaxial (BNC) S/PDIF<br>24/192                                                                                                                                                                                                |
| Digital inputs        | 1*Coaxial (BNC) S/PDIF<br>24/192, DSD64(DoP), MQA 8x<br>1*Coaxial (RCA) S/PDIF<br>24/192, DSD64(DoP), MQA 8x<br>3*Optical S/PDIF<br>24/96, MQA 8x<br>1*USB<br>32/384, DSD256(DoP), MQA 8x<br>1*Network<br>24/192, DSD64, MQA 8x |
| Line level outputs    | 1*Unbalanced fixed (RCA)<br>1*Unbalanced variable (RCA)                                                                                                                                                                         |
| Streaming             | AirPlay 2, Spotify Connect, Tidal Connect, Chromecast built-in, UPnP.                                                                                                                                                           |
| Streaming formats     | MP3, WAV, FLAC, ALAC, AIFF, DSF, DFF, AAC, PCM, MQA, Ogg                                                                                                                                                                        |
| Frequency response    | 5Hz-100kHz                                                                                                                                                                                                                      |
| Signal-to-noise ratio | More than 100dB                                                                                                                                                                                                                 |
| Crosstalk             | Less than -100dB                                                                                                                                                                                                                |
| Distortion            | Less than 0.005% @ 50W 8 Ohms 1kHz                                                                                                                                                                                              |
| Intermodulation       | Less than 0.01% (19kHz + 20kHz)                                                                                                                                                                                                 |
| Damping factor        | More than 4000 (main output stage)                                                                                                                                                                                              |
| Power use in standby: |                                                                                                                                                                                                                                 |
| - without wake on LAN | <0,5W                                                                                                                                                                                                                           |
| - with wake on LAN    | <2W                                                                                                                                                                                                                             |
| Dimensions/weight     | 17,1 x 43 x 44,5 cm (HxWxD), 22kg                                                                                                                                                                                               |
| Dimensions/weight US  | 6,74 x 16,93 x 17,52” (HxWxD), 48,51 lbs                                                                                                                                                                                        |

## Safety Instructions

### Unpacking and Packing

Remove the top shock absorber. When lifting the amplifier, avoid holding 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. To maintain proper ventilation, leave a space of a minimum of 10 cm from the rear, top, and side panels of the device. The front side of the enclosure should be left open.

If overheated, the amplifier will automatically switch itself off. When it cools down, the amplifier will turn back on, and the volume will be set to 0.

**Warning:** The surfaces of the amplifier may become hot during use. If hot, do not touch the panels of the amplifier, and let the amplifier cool down before moving or lifting it.

### Connecting the wires

Incorrect connections or damaged wires can cause short circuits, which can damage the amplifier, cause electrical shock, and pose a fire hazard. Follow this manual's installation instructions and ensure all wires are connected correctly before connecting the power source.

### Power source

Only use the power source specified on the back panel and ensure the voltage matches the voltage in your area.

### High volume

Do not listen to music at high volumes for extended periods of time, as this can cause permanent hearing damage and the inability to enjoy this amplifier to its fullest.

### Cleaning

Unplug the amplifier from the AC outlet before cleaning. Fingerprints or stains can be removed with a cloth lightly dampened with warm water or a mild detergent suitable for cleaning mirrors and windows.

### Proper use

Use the amplifier only for its intended purpose and do not modify or misuse it in any way. The product is designed for indoor use only and must not be exposed to rain or moisture.

### Repair

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 the product by unauthorized personnel will void the warranty.

For a more details, please see our Multilingual Safety Instruction on [support.hegel.com](https://support.hegel.com)



# Warranty and Disclaimers

## 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](http://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](mailto:info@hegel.com) or by contacting us on our social media pages.

For more information about the H600, please visit [www.hegel.com](http://www.hegel.com)



## Disclaimers

The Spotify Software is subject to third party licenses found here:

[www.spotify.com/connect/third-party-licenses](http://www.spotify.com/connect/third-party-licenses)

Use of the Works with Apple badge means that an accessory has been designed to work specifically with the technology identified in the badge and has been certified by the developer to meet Apple performance standards.

Apple, App Store, and AirPlay are trademarks of Apple Inc., registered in the U.S. and other countries and regions.

Google Play and Google Cast are trademarks of Google LLC.

Being Roon Ready means that Hegel uses Roon streaming technology, for an incredible user interface, simple setup, rock-solid daily reliability, and the highest levels of audio performance, without compromise.

MQA and the Sound Wave Device are registered trademarks of MQA Limited. © 2016

The TV remote functionality is not guaranteed to work with all TV remotes from the supported brands.

Technical specifications, streaming options, and features may change without notice.

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[www.hegel.com](http://www.hegel.com)



V5



