



## H150 User Manual





Congratulations on your new Hegel H150.

Hegel has been making award-winning audio products for more than 25 years. We are proud of our legacy of creating great-sounding amplifiers. We believe a significant part of our success is that all Hegel products are developed from the ground up by our team in Oslo, Norway. This allows us to use cost-efficient components without compromising on quality and performance and to integrate advanced technologies exclusive to Hegel.

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.

With H150, we have created an amplifier that is truly a testament to our goal of making high-quality products that offer great value for money. Because H150 is not just a really good analog amplifier. It also features a very good DAC, an excellent MM phono stage, and a very capable built-in streaming section. With loads of details and dynamics, this all-in-one music machine will make you want to stomp your feet. So, hook it up to a pair of good speakers and enjoy.

Bent Holter  
Founder Hegel Music System

## Index

A word from Bent	2
What's in the box	4
Quick Start	5
General Use	8
Connections	9
Digital Inputs and Formats	10
Network Setup	11
Streaming and Control App	12
Device Menu	14
Remote Control	16
General Information	17
Safety Instructions	18
Warranty and Legal Information	19

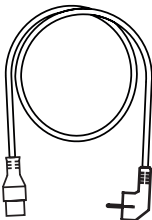


Before powering on the amplifier, make sure you have read and understood the safety instructions and warnings found on [support.hegel.com](https://support.hegel.com)

# What's In The Box



Amplifier



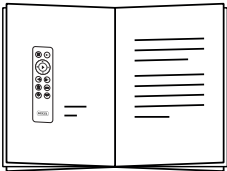
Power Cord



Accessory Box



Remote Control

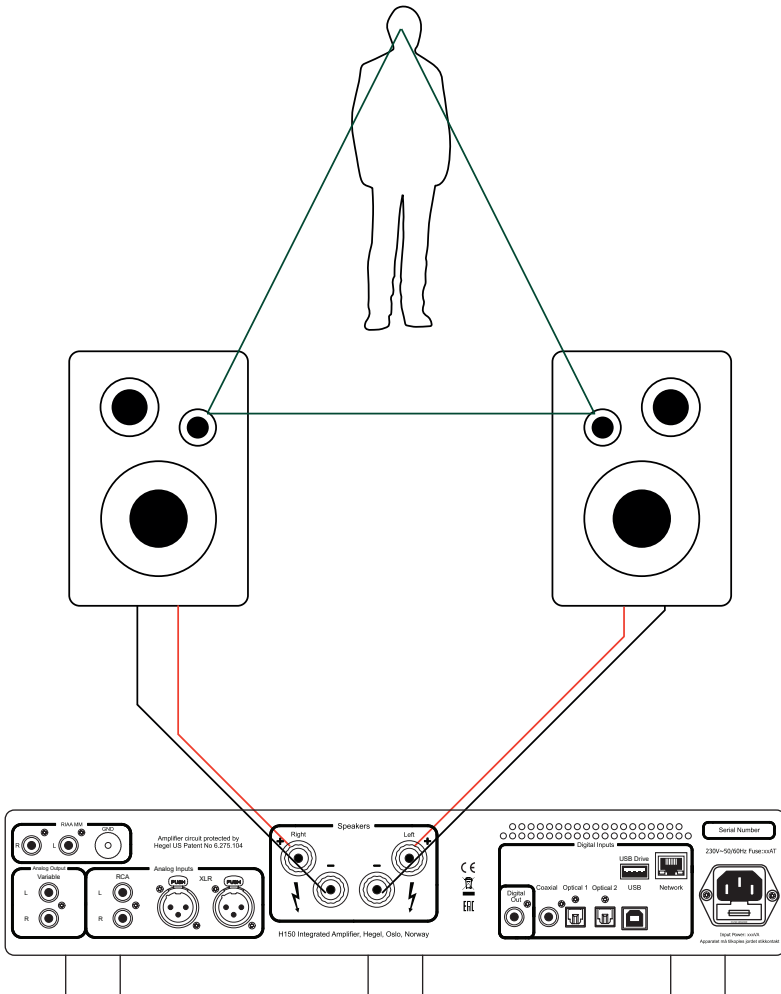


User Manual

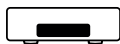
## Quick Start

### 1. Connect your speakers

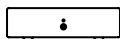
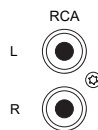
For the best audio experience, the distance between the listener and each speaker should be the same.



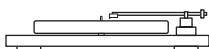
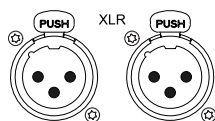
## 2. Connect a source



Unbalanced Analog



Balanced Analog

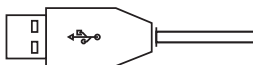


Phono (MM) Analog



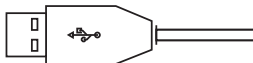
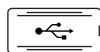
Coaxial Digital

Coaxial



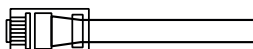
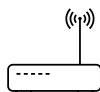
USB Computer

USB



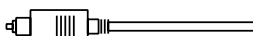
USB 2.0 Storage Device

USB Drive



Network Streaming

Network

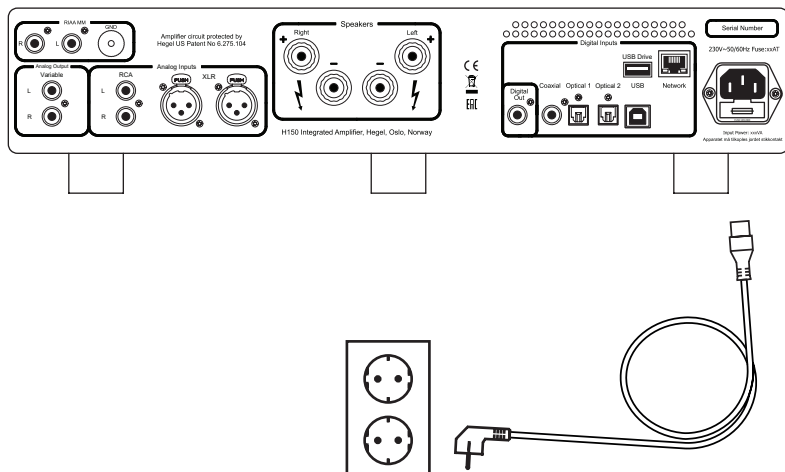


Optical Digital

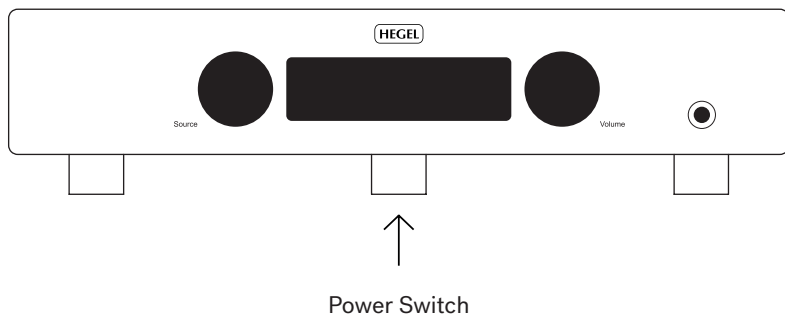
Optical 1 Optical 2



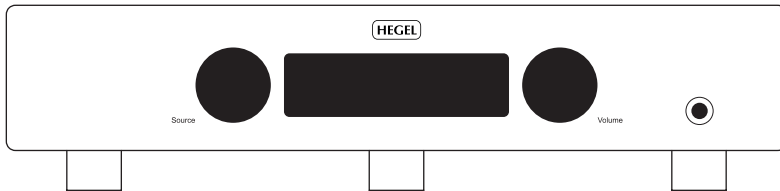
### 3. Connect the power cord



### 4. Turn on the amplifier



## General Use



### Operating the H150

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

### Power Button

The 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 perform a hard reboot.

**NOTE:** When powering up, the amplifier takes a few seconds to calibrate. This is normal and is part of the start-up procedure. When the amplifier has been switched off, wait 30 seconds before powering it on again.

### Headphone Output

Connect the 6.3mm headphone jack to the front of the amplifier. This activates the headphone volume control and mutes the speaker and variable line level outputs.

### Sleep/Auto standby

In compliance with the EU Energy Efficiency Directive, the Hegel device will automatically switch off 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 automatically wake when receiving an ethernet (LAN) signal. You can deactivate this feature in the Auto In settings in the [Device Menu](#).

### Automatic Update

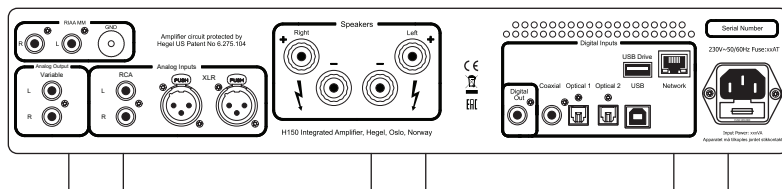
When entering standby mode, the device will automatically look for and install new updates. With Wake on LAN enabled, updates will download and install while in standby.

### 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.

## Line Level Output

- Variable Line Level (RCA)

## Analog Inputs

- RCA: Standard analog input
- XLR: Standard balanced analog input (Pin 1 is Chassis Ground; Pin 2 is Positive Phase; Pin 3 is Negative Phase)
- Phono (RCA): Moving Magnet (MM) cartridge input with ground screw

## Speakers

- Right outputs
- Left outputs

## Digital Inputs

- Coaxial: Coaxial/RCA
- Optical1: TOSLINK/EIAJ Optical
- Optical2: TOSLINK/EIAJ Optical
- USB: Computer input
- USB Drive: Storage device, USB 2.0
- Network: Home network, LAN, RJ45

## Digital Output (DAC loop)

- Digital Out: Coaxial(RCA)

## AC Power Connection

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

## Home Theater

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

# Digital Inputs and Formats

## Input sense

All digital inputs have input sense. When the device detects a signal on one of these inputs it can turn on and switch to the active input.

Please visit [support.hegel.com](https://support.hegel.com) for a detailed description.



## Maximum supported resolution

Coax/BNC:	24/192
Optical:	24/96
USB:	24/192
Network:	24/192

## Supported formats network & USB drive

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

## USB

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

## USB Drive

The device has a plug-and-play USB input for connecting external USB drives with music files. The connected drive can be accessed through the [Hegel Control App](#).

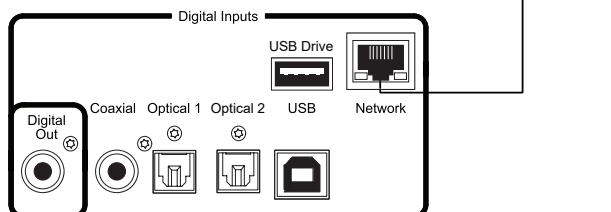
**NOTE:** The amplifier must be connected to your home network to be used with the Control App

# 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.



## First time setup

To enable all the network features on this device, you need to download and install the Hegel Control app. This can be found on Apple App Store and Google Play. Once installed, please follow the instructions in the app.

Google Play



Apple App Store



For detailed information on the Hegel Control App, supported formats, and much more, please visit [support.hegel.com](https://support.hegel.com).



## Status Indicator

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

Network  
connected:



## Troubleshooting

If you experience problems with connecting the amplifier to the network or have other network issues:

1. When powered on, press and hold the device power button to perform a hard reboot.
2. If that does not help, you can reset the Network settings in the menu.
3. If everything else fails, disconnect the power chord for at least 30 seconds and then reconnect.

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

## 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

Use your phone, tablet or computer as a remote control for Spotify. Go to [spotify.com/connect](https://spotify.com/connect) to learn how



### 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.



## 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 a connected USB drive, 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)

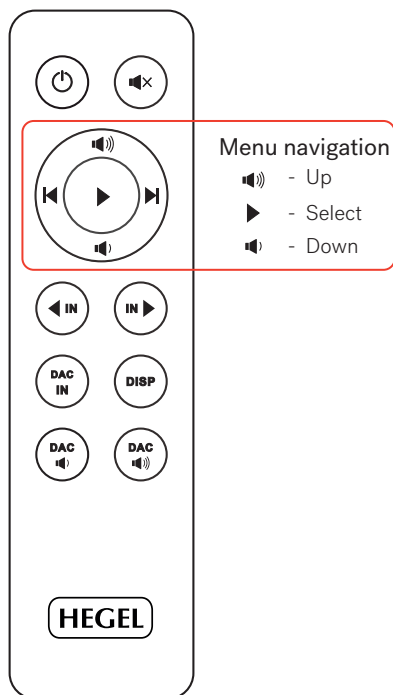


## Device Menu

### Navigation

To enter the device menu, turn the amplifier on and press and hold the play (▶) button for 5 seconds. To navigate the menu, use the volume up (🔊) and volume down (🔊) buttons. To select a sub-menu or feature, press the play (▶) button. To exit the menu, navigate to "Exit" and press play (▶), or turn one of the amplifier's knobs.

**NOTE:** Some menu features require 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. You can also find your device serial number here.

### 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. 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

Adjust maximum volume and maximum startup volume.

## 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

Resets the product to the default factory settings. This will not affect any firmware updates that have been installed.

## Exit

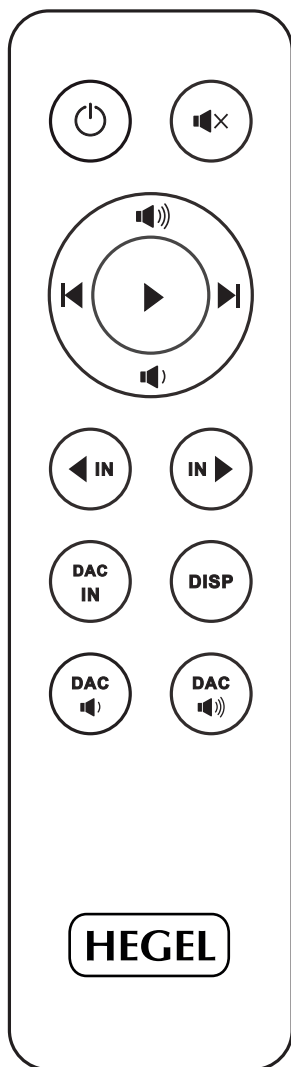
Exit the menu

**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](http://support.hegel.com)



## Remote Control - RC11



### Remote control buttons

- |               |  |
|---------------|--|
|               | On/Standby   |
|               | Mute   |
|               | Volume up  |
|               | Skip backward on compatible USB or network media players |
|               | Play/Pause on compatible USB or network media players    |
|               | Skip forward on compatible USB or network media players  |
|               | Volume down  |
|               | Switch to previous input                                 |
|               | Switch to next input                                     |
| <b>DAC IN</b> | Input selector on Hegel DACs                             |
| <b>DISP</b>   | Wake/refresh display<br>Hold for display off/on          |
| <b>DAC</b>    | Volume down on Hegel DACs                                |
| <b>DAC</b>    | Volume up on Hegel DACs                                  |

### General information

This Hegel device can be controlled with the included Hegel RC11 Remote Control. The RC11 also controls other Hegel products and most connected media players.

### Battery

The remote control is powered by a CR2032 battery. To insert or replace the battery, slide down the battery cover, place the battery with the positive side facing up, and slide the cover back into place.



## 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

#### H150 Streaming Amplifier

Power output	2*75W into 8 Ohms @ 1kHz 1% THD, 100/120/230V AC
Minimum load	2 ohms
Analog inputs	1*Balanced (XLR) 1*Unbalanced (RCA)
Phono input	1*Unbalanced (RCA) for Moving Magnet (MM)
Digital output	1*Coaxial (RCA) S/PDIF 24/192
Digital inputs	1*Coaxial (RCA) S/PDIF 24/192 2*Optical S/PDIF 24/96 1*USB B ( <i>computer</i> ) 24/96 1*USB A 2.0 ( <i>USB drives</i> ) 1*Network 24/192
Line level output	1*Unbalanced variable (RCA)
Streaming	AirPlay, Spotify Connect, Google Cast, Tidal Connect, Qobuz Connect, airable radio and pod- cast, UPnP
Supported formats	MP3, WAV, FLAC, ALAC, AAC, PCM, Ogg
Frequency response	5Hz-100kHz
Signal-to-noise ratio	More than 100dB
Crosstalk	Less than -100dB
Distortion	Less than 0.01% @ 50W 8 Ohms 1kHz
Intermodulation	Less than 0.01% (19kHz + 20kHz)
Damping factor	More than 2000 (main output stage)
Power use in standby (w / wo wake on LAN)	<2W / <0.5W
Dimensions/weight	43 x 31 x 8 cm (WxDxH), 9.5 kg
Dimensions/weight US	17 x 12.2 x 3.15” (WxDxH), 20.9 lbs

# Safety Instructions

## Unpacking and Packing

1. Carefully lift the device out of the box with the shock absorbers attached. **Do not lift the device by the knobs or connectors.**

2. Remove the shock absorbers.

3. Gently slide the protective bag off the device.

To pack the unit, follow the above steps in reverse order. Always use the original packaging when transporting the amplifier to ensure proper protection.

## 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 Legal Information

### 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 to register 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 our [web-site](#). 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 H150, please visit [www.hegel.com](http://www.hegel.com)



### Legal Information

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.

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.

Hegel Music System AS  
P.O. Box 26, Blindern  
NO-0314 Oslo, Norway

[info@hegel.com](mailto:info@hegel.com)  
[www.hegel.com](http://www.hegel.com)



V5



