



Hegel H70

**High End Integrated Amplifier
With Integrated DAC**

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USER GUIDE

Congratulations on your new HEGEL!

Our products are based on a simple philosophy:

The component shall reproduce the original musical sound, purely and naturally.

It uses Scandinavian design reflecting natural music reproduction and styling to fit in with any interior.

The products are easy to operate and are manufactured according to the best quality principles.

All HEGEL products are created with acoustical instruments in a concert situation as point of reference. The music is reproduced exactly like the original and is limited only by the quality of the recording.

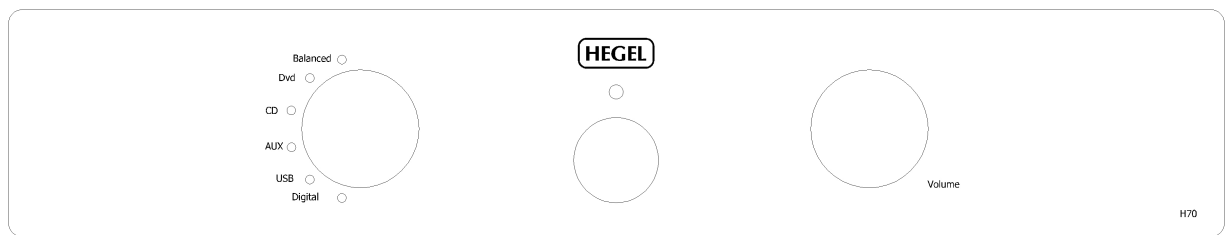
Our aim is to give you the best possible music experience!

SOUND ADVICE

The Hegel H70 Integrated Amplifier is easy to connect and operate and requires no prior technical knowledge. However, to get the most out of the amplifier's superior sound and music quality, we have provided a brief description of the connections and use of the amplifier in order to provide a total music experience.

We recommend keeping this user guide for future reference.

GENERAL USE



The amplifier is switched on with the button in the middle of the front panel. A blue light indicates it is switched on.

To the left the input selector with selections: Balanced, DVD, CD, AUX, USB and Digital. To the right you have the volume control. A blue light will show the selected input channel. The default input when powering up the H70 is the balanced input, indicating that Hegel recommends using the balanced input to get the best sound possible.

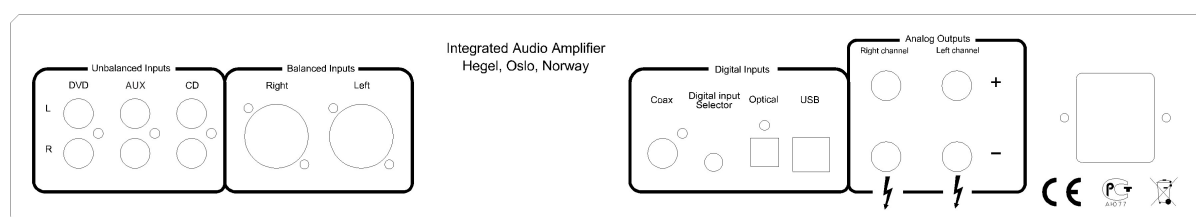
The digital inputs on the back are divided into two different types. The USB input allows you to connect the H70 to a computer and use it as a soundcard. This way you can use it to enjoy high resolution audio files, video or internet radio from the computer with improved sound quality.

The other digital input is a spdif connection. There are two different connector types, optical and coaxial. Put the knob on the back pointing to the direction of the connector type you are using. This connection is used to improve the sound quality on all other apparatus with a PCM digital output. For example a CD-Player, a music streaming system like Sonos, a blu-ray player or others.

When the mute button on the Hegel Remote Control is pressed the speaker outputs are muted. Mute is indicated by a flashing blue power light. To go back to normal operation press the mute button on the remote control one more time.

Avoid connecting input cables or selecting inputs with the source selector switch if the volume setting of the amplifier is not fully turned down.

Always connect input / output audio cables and power cable when the amplifier is powered OFF. After the amplifier is switched on, there is a delay of some seconds before the music signal reaches the speaker outputs. Never turn off the power knob while music is playing in the speakers. First turn down the volume or stop the CD-player, then turn off the power knob.



Viewed from the rear side the connectors are from left to right:

Signal input Phono / RCA, right / left DVD

Signal input Phono / RCA, right / left AUX

Signal input Phono / RCA, right / left CD

Balanced signal input XLR right / left

Digital Signal input Spdif / COAX stereo

Digital Signal input Spdif / OPTICAL stereo

Digital Signal input USB / USB stereo

Speaker output right

Speaker output left

AC Power connection 230V / 115V / 100V AC dependent on country. Fuse holder.

The preamplifier section of the H70 has two types of audio inputs: unbalanced audio signal with RCA plugs (phono plugs) and true balanced audio signal with XLR plugs (pin 2 is positive phase, pin 3 is negative phase and pin 1 is chassis earth).

HEGEL REMOTE CONTROL

Hegel H70 can be controlled by the included RC3 system remote control. As with other Hegel equipment we have set the number of buttons to a minimum.

Inputs can be selected by pushing the IN+ or IN- buttons. With the red BAL button you can gain direct access to H70's balanced input. Volume levels are adjusted by pressing VOL+ or VOL-. Pushing the MUTE button will quickly reduce the volume level. The RC3 system remote control may also be used with other Hegel equipment, like a CD-Player.

The RC3 remote control use a standard CR2025 battery. To insert the battery, you open the "drawer" on the bottom of the remote control. Ensure that you insert the batteries with the correct polarity.

Be careful not to drop the remote on the floor, as internal components may be damaged.

As a safety measure the batteries are not inserted during shipment.

USE & PLACEMENT

The HEGEL H70 should be placed on a flat, hard surface for proper cooling. The amplifier performs best after being switched on for about 1/2 hour for heating up. Plenty of space is required for air circulation above, below, to the sides and to the rear of the amplifier.

Hegel recommends at least 20 cm (8 inches) of free space above, at each side and in the rear side of the H70 to make sure of proper cooling of the internal electronics.

The amplifier must never be placed on a carpet or similar surface that obstructs air circulation through the component. Nor must it be covered while in use or placed on a narrow shelf or in any confined space. Putting the H70 in a rack with closed rear side or rear panel is not recommended.

Hegel recommends to NOT place a CD-player or other similar device directly on top of the H70. Both the H70 and the CD-player will get too warm, and they will not perform in an optimal way. The recommended solution is to have the H70 and the CD-player on separate shelves in a rack or placed besides each other.

The H70 amplifier will automatically switch off the speaker outputs if overheated.

The amplifier will need some break-in time before maximum sound quality can be experienced.

Never lift the H70 by holding around the volume knob or input selector knob. The H70 is heavy, and applying pressure can damage the knobs and the internal adjustment controls.

TRANSPORT AND SHIPPING OF AMPLIFIER

If you are packing the amplifier for shipping please follow these instructions to secure the volume and source knobs are not damaged in transport:

1. Put the plastic bag around the amplifier, putting the bag on from the front panel side of the amplifier. Leave about 10cm of open room between bottom end of plastic bag and volume and source knobs, making sure the plastic bag bottom end will not touch the knobs during transport.
2. Insert the amplifier in the two shock absorbers, one in the left side and one in the right side of the amplifier. It will be most easy to fit the left hand side shock absorber first by putting the left hand side shock absorber down on the floor and putting the amplifier down into the shock absorber. Hold the amplifier firmly in the middle of the front panel and the middle of the rear panel and be careful to not hold around the volume and source knobs. Then put the right hand shock absorber on the amplifier.
3. Insert the amplifier into the cardboard box by first lowering the front panel side against one side of the cardboard box. Then lower rear side of the amplifier into the cardboard box.
4. Make sure the plastic bag is not tight around the volume and source knobs to avoid any damage to the knobs during transport.

CLEANING

The front panel is made out of a solid 22mm thick aluminum bar. The front panel is glass bead blasted and anodized. Fingerprints or stains on the front panel, knobs or top cover can be removed with a cloth moistened with warm water or with a mild detergent suitable for cleaning mirrors and bathroom.

We have found that the detergent Bio-Tex OXI effect supplied in an orange plastic spray can is working particularly well in cleaning the front panel, top cover and side panels.

We wish you good luck in setting up and connecting your new amplifier and hope that it will give you many years of joyful natural sounding music experiences!

TECHNICAL SPECIFICATIONS

H70 High End Integrated Amplifier with Integrated DAC

Power output	70W + 70W in 8 Ohms
Input sources	6 remote controllable inputs switched by gold plated relays
Analog input terminals	Gold plated Phono / RCA unbalanced and gold plated XLR balanced
Digital input terminal	USB-B, gold plated RCA coaxial and TOSLINK™ optical input terminals
Output Terminals	One set of gold plated speaker terminals each channel
Frequency response	5Hz-100kHz
Signal-to-noise ratio	More than 100dB
Crosstalk	Less than -100dB
Distortion	Less than 0.007% @ 50W 8 Ohms 1kHz
Intermodulation	Less than 0.01% (19kHz + 20kHz)
Damping factor	More than 1000 (Main power output stage)
Remote Control	Philips RC-5 compatible IR system 36kHz modulation
Dimensions	8cm x 43cm x 41cm (HxWxD), 10kg shipment weight.

NOTE & WARNING

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

Opening of the product by non-authorized personnel will cancel the guarantee.

The products must not be exposed to rain or moisture.

GUARANTEE

All Hegel products come with a 2-year guarantee against defective materials and workmanship.

In case you should need assistance with your Hegel product please find your nearest dealer or distributor by looking at the Hegel web site <http://www.hegel.com>

If you should have any problems locating your dealer or distributor please e-mail to info@hegel.com



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