



## C Series User Manual



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### General Use

#### On/Off

The C55 amplifier is switched on and off with the power button, located on the front of the amplifier. This is the main power switch and it needs to be on for the 12V trigger to work. When you turn on the amplifier it will power up one channel at the time starting with channel 1.

### LED

There are five LED's on the front panel indicating the status for each channel:

Unlit: Channel is Off, or temperature safety switch in transformer is activated.

Green: Channel is On

Orange: Temperature safety, channel is muted until it cools down.

Flashing orange: Channel is clipping

Red: Channel is in protect mode and is muted.

## Technical Specifications

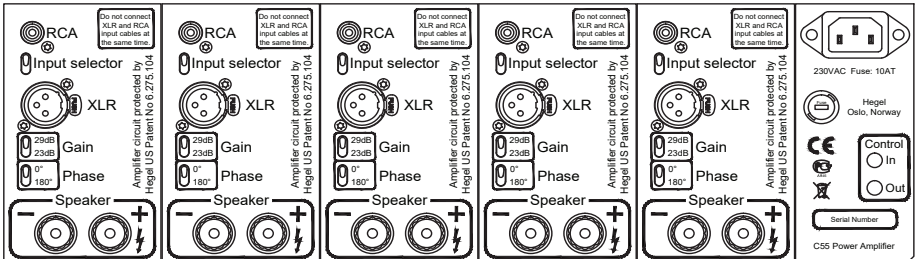
### C5-Series Power Amplifier – C53/C54/C55

Power output	3/4/5*150W in 8 Ohms (C53/C54/C55)
Mains current	7A at 230V, 14A at 115V (5*150W output)
Minimum load	2 ohms
Analog Inputs	3/4/5*balanced (XLR), 3/4/5*unbalanced (RCA),
Control Inputs	1*mini-jack 5-12V trigger
Control Outputs	1*mini-jack 12V trigger out
Gain control	Switchable between 23dB or 29dB (individual)
Phase control	Switchable 0°/180° (individual)
Frequency response	5Hz-100kHz
Signal-to-noise ratio	More than 100dB
Crosstalk	Less than -100dB
Distortion	Less than 0.01% @100W 8 Ohms 1kHz
Intermodulation	Less than 0.01% (19kHz + 20kHz)
Damping factor	More than 2000 (main power output stage)
Net Weight	28,5kg/33kg/37,5 Kg
Gross Weight	34kg/38,5kg/43kg
Net Weight US	61lbs/73lbs/82lbs
Gross Weight US	75lbs/85lbs/95lbs
Dimensions	W*H*D incl handles, ex feet: 48,2cm*13,2cm*52cm
Dimensions US	W*H*D incl handles, ex feet: 18.97in*5.2in*20.47in

### What's in the box:

- User manual
- Power cable
- Feet with screws
- Rear rack brackets

# Connections



Please note that the amplifier should be turned off before you flip any switches.

## Channel 1-5

1. RCA connector for unbalanced input
2. Input selector for switching between RCA and XLR input
3. XLR connector for balanced input.
4. Gain switch to select 29 or 23 dB gain
5. Phase switch for inverting the signal (normal position is 0°)
6. Speaker binding posts

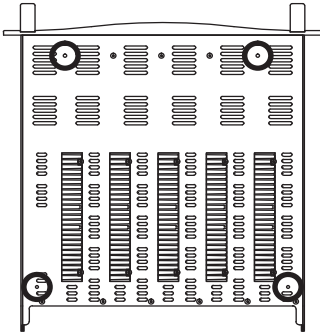
## Mains Rear Panel

1. Mains input
2. Voltage and main fuse rating
3. Main fuse (how to change the fuse is described later in the manual)
4. 12V trigger, 3.5mm mini-jack connector
5. Serial number

## General Information

### Attaching feet

If the C55 is not mounted in a rack it will need feet so air can flow in through the bottom panel. Do not place the C55 in a cabinet that limits the airflow through the amplifier. Feet and screws are included in the box. Using long screws can damage the amplifier, please use the screws included in this package.



### Rack Mounting

When mounting the C55 in a rack it is important that the airflow through the amplifier is unrestricted. Please leave sufficient space above and below unused to ensure this. You should also avoid mounting any heat generating products underneath the C55. The faceplate is 7 mm thick. You need a rack screw with length of at least 16mm.

The C55 comes with adjustable rear rack mounts. To use the rear mounts you need an extra set of cage nuts that you slide into the track in the rear rack mounts. Rear rack mounts should be attached to the rear handle of the C55.

### Changing Fuse

The C55 has a main fuse as well as a separate fuse for each channel.

The main fuse holder is located on the rear panel close to the mains input. It is a bayonet mount fuse holder. Use a flat head screwdriver to open the fuse holder by pushing it in and rotate counter clockwise. Do not use force!

The channel fuse holder is located on the relay board inside the amplifier and should only be replaced by authorized service technicians.

230V fuse specification

Main fuse:

T10A 5x20mm slow blow

Channel fuse:

T3.15A 5x20mm slow blow

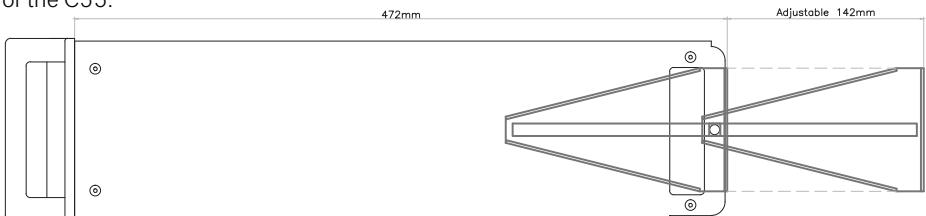
120V fuse specification

Main fuse:

T15A 5x20mm slow blow

Channel fuse:

T6.3A 5x20mm slow blow



## General Information

### Transport and Shipment

If you are packing the amplifier for shipping, please follow these instructions to avoid damaging the unit:

Put the plastic bag around the amplifier. make sure the Silicagel bags are in the plastic bag to prevent moisture.

Make sure the shock absorber is placed firmly on each side of the amp. Place the amp in the original box and tape shut.

### 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.

### 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 guarantee.

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.

In case you need any 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 experience any problems locating your dealer or distributor please contact [info@hegel.com](mailto:info@hegel.com)

### More Information

For more information, please visit [www.hegel.com/products/ci/C55](http://www.hegel.com/products/ci/C55)

# Dimensions

