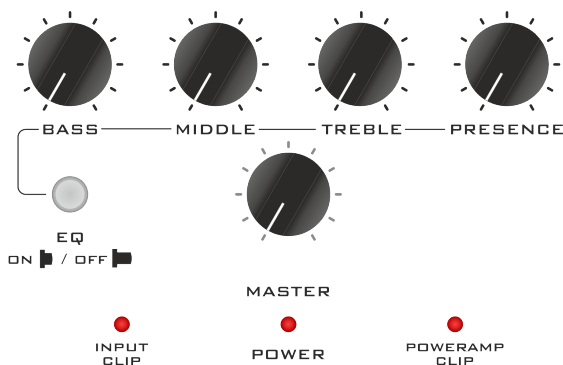




**E805**  
**POWERCUBE.200**  
Operator's Manual

# ENGL

## POWERCUBE.200



### Bass

Bottom end voicing control of the preamp's active EQ (+/- 12 dB).

With the control set to the center position (12 o'clock), the EQ response is flat. Turning the knob clockwise boosts the selected frequency range, while turning it counterclockwise reduces (cuts) it.

### Middle

Mid-range voicing control of the preamp's active EQ (+/- 12 dB).

With the control set to the center position (12 o'clock), the EQ response is flat. Turning the knob clockwise boosts the selected frequency range, while turning it counterclockwise reduces (cuts) it.

### Treble

Upper range voicing control of the preamp's active EQ (+/- 12 dB).

With the control set to the center position (12 o'clock), the EQ response is flat. Turning the knob clockwise boosts the selected frequency range, while turning it counterclockwise reduces (cuts) it.

## **Presence**

Presence range voicing control of the preamp's active EQ (+/- 12 dB).

With the control set to the center position (12 o'clock), the EQ response is flat. Turning the knob clockwise boosts the selected frequency range, while turning it counterclockwise reduces (cuts) it.

## **EQ On/Off**

Engaging this switch bypasses the 4-Band EQ, allowing the signal to pass uncolored and enabling quick comparison between the processed and the direct sound.

## **Master**

This control sets the overall output level of the power amplifier and thus determines the volume at the speaker output. Always set the Master control fully counterclockwise before switching the amplifier on, then gradually raise the level until the desired volume is reached. An integrated limiter circuit prevents power amp clipping once maximum output is approached.

## **Input Clip LED**

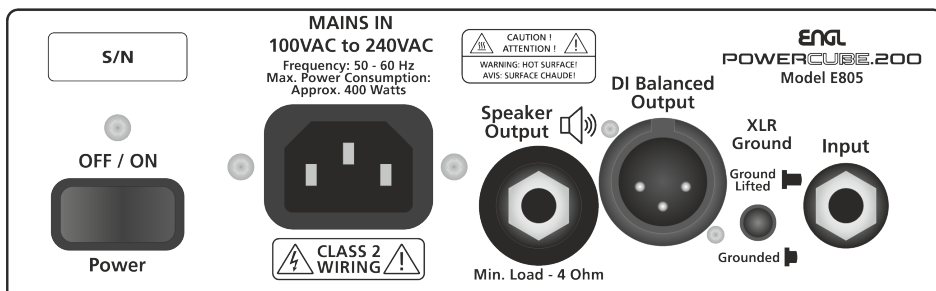
This LED indicates when the channel signal level is approaching clipping (distortion). The clip detection circuit monitors the signal after the EQ stage, since excessive settings can cause overload. When the LED lights continuously, reduce the Input Level or adjust the EQ settings. For optimal operation, the LED should flash briefly only on the loudest peaks.

## **Power LED**

This LED lights up red to indicate that the amplifier is powered on and operational.

## **Poweramp Clip LED**

This LED lights red when the amplifier is clipping. Reduce the Input level, Master volume, or EQ settings to prevent distortion.



## Power Switch

Use this switch to turn the device on and off.

## Main Supply Connector (AC Power Inlet, IEC – C14 connector)

Plug the mains cord in here.

**CAUTION!** Make sure you use an intact mains line cord with a grounded plug! Before you power the amp up, ensure the voltage value (e.g. printed on the Type Label or alongside the mains port) is the same as the current of the local power supply or wall outlet. Please also heed the guidelines set forth in the separately included pamphlet, Instructions for the Prevention of Fire, Electrical Shock and Injury.

## Speaker Output

One cabinet can be connected to this jack. Use a cabinet with a minimum load impedance of 4  $\Omega$ .

## XLR Balanced DI Output

This XLR output allows you to connect the amplifier to external equipment, such as mixing consoles or recording devices.

## XLR – Ground

When this push button is not pressed, the ground is lifted. Push this switch when you recognize upcoming ground loop noise.

## Input

Input (conventional 6.3mm / ¼" TS) unbalanced input. Plug your guitar in here, using a shielded cord.

## Setup & Operation

1. **Unpack** the amplifier carefully.
2. **Power up:** Ensure the Power Switch is off, connect the power cord to a mains outlet, then switch the amplifier on.
3. **Connect speakers:** Use a compatible cable and ensure a minimum load of  $4\ \Omega$ .
4. **Connect input and adjust settings:** Turn Master to minimum, connect your signal source, set EQ as desired, and raise Master volume.
5. **Play!** Your POWERCUBE.200 is ready for use.

## TECHNICAL DATA

|                                 |                                                               |
|---------------------------------|---------------------------------------------------------------|
| Mains Voltage                   | 100 - 240VAC 50 - 60Hz                                        |
| Power consumption               | approx. 400W max.                                             |
| Switch Mode Power Supply (SMPS) | thermal protection, over-current protection                   |
| Protection                      | clip limiting, thermal, over-current/short-circuit, DC output |
| Minimal Load                    | 4 $\Omega$                                                    |
| Power Output                    | 130W @ 8 $\Omega$ , 200W @ 4 $\Omega$                         |
| THD                             | < 1% @ RMS Power                                              |
| Signal-to-noise ratio (SNR)     | > 85dB                                                        |
| Noise                           | -65dBu                                                        |
| Input Sensitivity               |                                                               |
| EQ Bypassed, MASTER set to max  | -20dBV                                                        |
| Input Impedance                 | 10k $\Omega$                                                  |
| EQ Sensitivity                  |                                                               |
| Low                             | $\pm 12$ dB @88 Hz                                            |
| Mid-range                       | $\pm 12$ dB @620Hz                                            |
| High                            | $\pm 12$ dB @4KHz                                             |
| Presence                        | $\pm 12$ dB @12KHz                                            |

## TECHNICAL DATA

### DI XLR Balanced Output

|                               |                                         |
|-------------------------------|-----------------------------------------|
| Sensitivity                   | -10dBV                                  |
| Pin Assignment                | PIN 1 = GND, PIN 2 = sig+, PIN 3 = sig- |
| Output Impedance - GND Lifted | 1 K $\Omega$                            |

### Dimensions (H x W x D)

74mm x 161mm x 183mm  
2,91 x 6,33 x 7,20Inch

### Weight

approx. 1,02kg / 2,25lbs

**Please contact us via e-mail: [service@engl-amps.com](mailto:service@engl-amps.com) before shipping a product to us.**

The more precise the error description is, the better our service team can help you. It is best to send us a photo of the control settings and a video recording. A detailed description of the error also helps us to isolate and locate the problem faster.

### Packaging

Please make sure to use suitable packaging to ensure undamaged transport (use original PKG). To unfold the full protective function of the packaging, the outer packaging, the device and the inner packaging must form a single unit. This is the only way to ensure that the device survives the transport route undamaged.

**Whilst the information contained herein is correct at the time of publication, due to our policy of constant improvement and development, ENGL AMPLIFICATION reserves the right to alter specifications without prior notice.**

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