

Pro Series

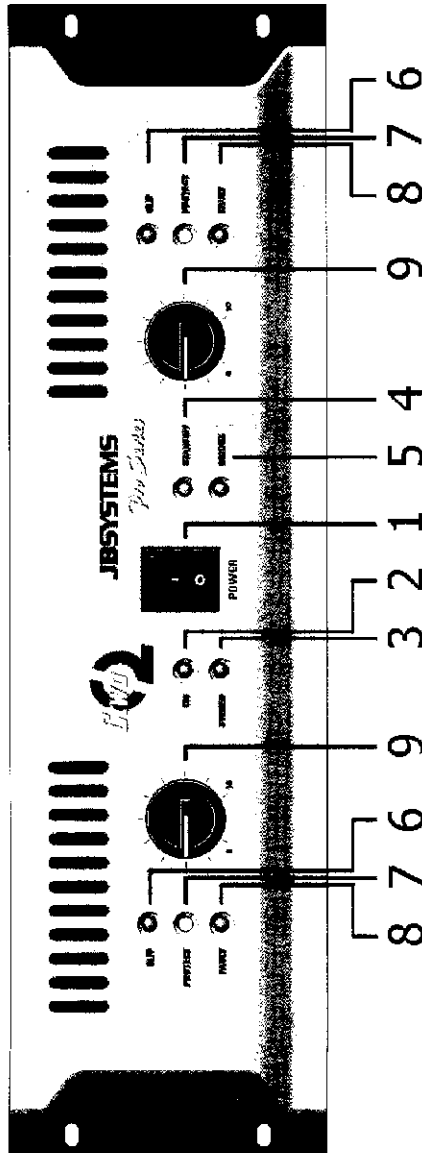


User s Guide

JBSYSTEMS

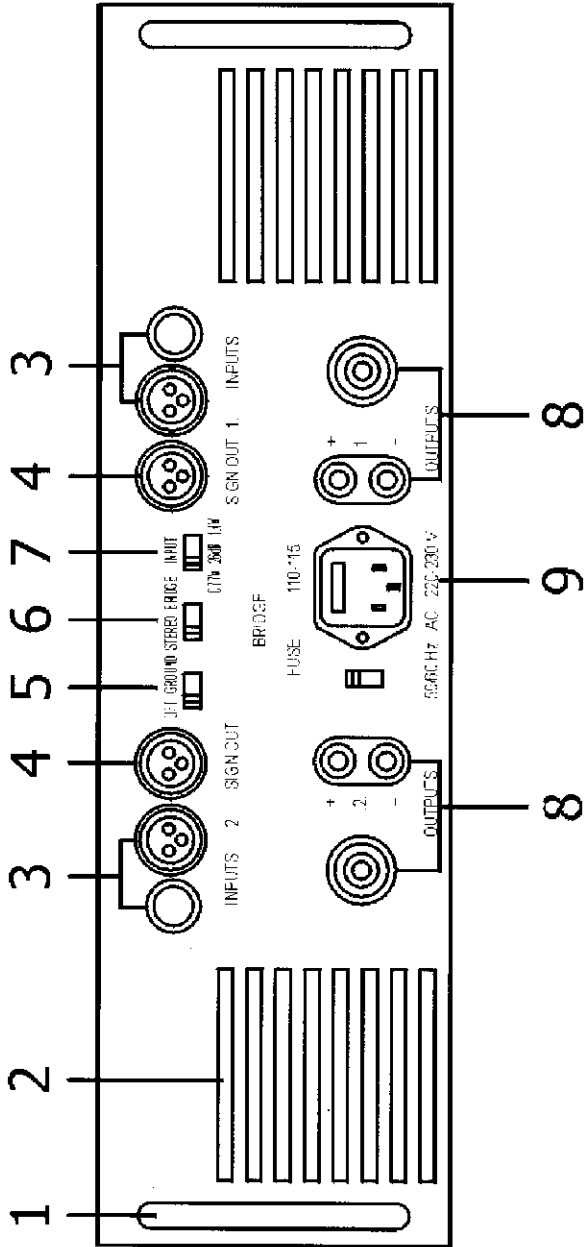
PART NAMES AND FUNCTIONS

FRONT PANEL



1. When this button is pressed, the power turns on with the power light on. Press again to turn off the power.
2. Power Indicator Light.
3. Stereo Indicator Light. When the switch at the backside is set to STEREO, this light is on. The amplifier is at the stereo mode with left input and right output respectively.
4. Standby Indicator Light. When you turn on the power, this light is on. Each component of the amplifier is charged slowly by the internal power supplying system. When the amplifier is at the ready status, the light will be off. This set also has the function of soft start, which can prevent shocks to the amplifier and the electrified wire netting. This increases the reliability and prolongs the using life.
When the internal temperature is too high (over 90°), the amplifier will stop working and this light will be on; when the temperature is down, the light will be off and the amplifier is at the working status.
5. Bridge Connection Indicator Light. When you set the switch at the back side to BRIDGE, this light is on. The amplifier is at the bridge connection mode. The power is increased. Please notice the present negative resistance shouldn't be smaller than 8Ω .
6. Clip Indicator Light. When this light is on, it is calling your attention to decrease the input signal appropriately.
7. Loudspeaker Protect Indicator Light.
When there is something wrong with the amplifier, this light will be on and simultaneously the loudspeaker will be cut off to protect your loudspeaker from being burned.
8. Fault Indicator Light. When this light is on, it is calling your attention to check if the negative resistance is too small (smaller than 4Ω) or if a short-circuit occurs.
9. Volume Control Button. It provides precise dB graduation level control.

REAR PANEL



1. **Handle:** you can use the handle when you need to move the amplifier or when you need to set the amplifier upright, the handle can protect the other components from damage.
2. **Heat Sinks Fan:** when the amplifier is at the working status and the temperature reaches 50 C, the fan will automatically turn to sink heat. When the temperature is over 90 C due to the abnormal status of the amplifier, the fan will stop.
3. **Signal Input Sockets.**
4. **Signal Output Sockets.** To link the audio signal to another amplifier.
5. **Ground Lift Switch:** when the switch is set to LIFT, the ground of the amplifier will have a suspension with the ground of the preceding stage equipment. This can decrease the current harass between grounds of the amplifier and the preceding stage equipment. This will increase the sound quality and lower the noise.
6. **Stereo and Bridge Connection Switches:** please refer to the front panel indicator directions.
7. **Input Frequency Selector:** three input sensitivities are available. They are 0,77V, 1,4V full-load charged to 8 Ω negative and 26dB voltage gain respectively.
8. **Speaker Output Socket:** this amplifier is equipped with two professional outputs: Speacon and Speaker Terminals.
9. **Power Supply Socket:** there is a fuse in the upper part of the socket. When the fuse needs to be changed, please open the socket by tool.

INSTALLATION

This amplifier can be installed on the EIA rack. No screws available attached to the amplifier for installation on the rack. The customer needs to purchase them separately.

The customer has to pay attention to the following: In order to allow heat sinking, the amplifier should be positioned on top or there should be at least an intermission of 15 cm between the top of the amplifier and the upper equipment.

CONNECTION

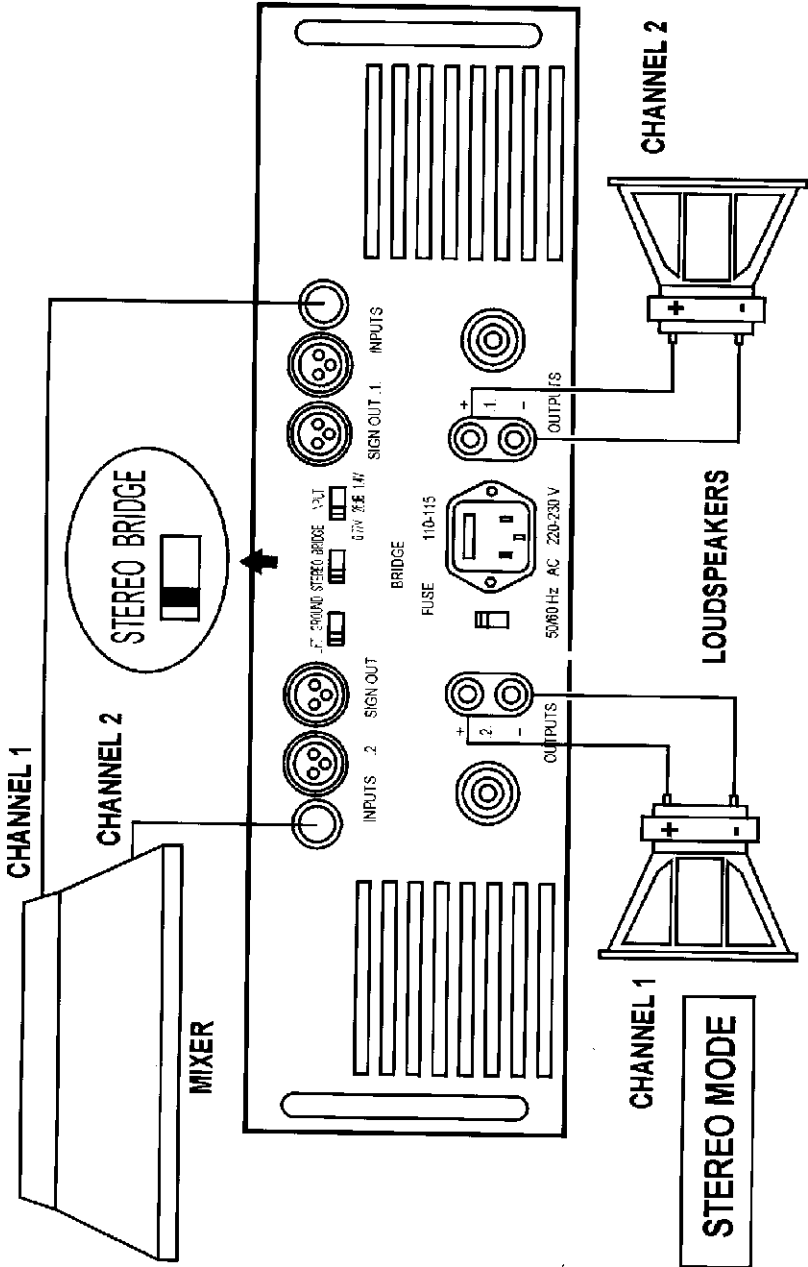


TABLE OF FUNCTIONS OF DIFFERENT TYPES

C2-800 Minimum Guaranteed Power (Watts)								
AC Mains	Stereo-Mono Mode	Load Ohms	Maximum Average			FTC Continuous Average		
			0,1% THD+N (See note 1) 1kHz	0,1% THD+N (See note 2) 20Hz-20kHz	0,05% THD+N (See note 3) 1kHz	0,1% THD+N (See note 4)	1kHz	20Hz-20kHz
International Units	Stereo (both channels driven)	4	700		650			
		8	650	600	650	600	550	
	Bridge-Mono (balanced output)	8	1450	1400	1420	1400	1350	
		16	1200	1100	1100	1100	1100	