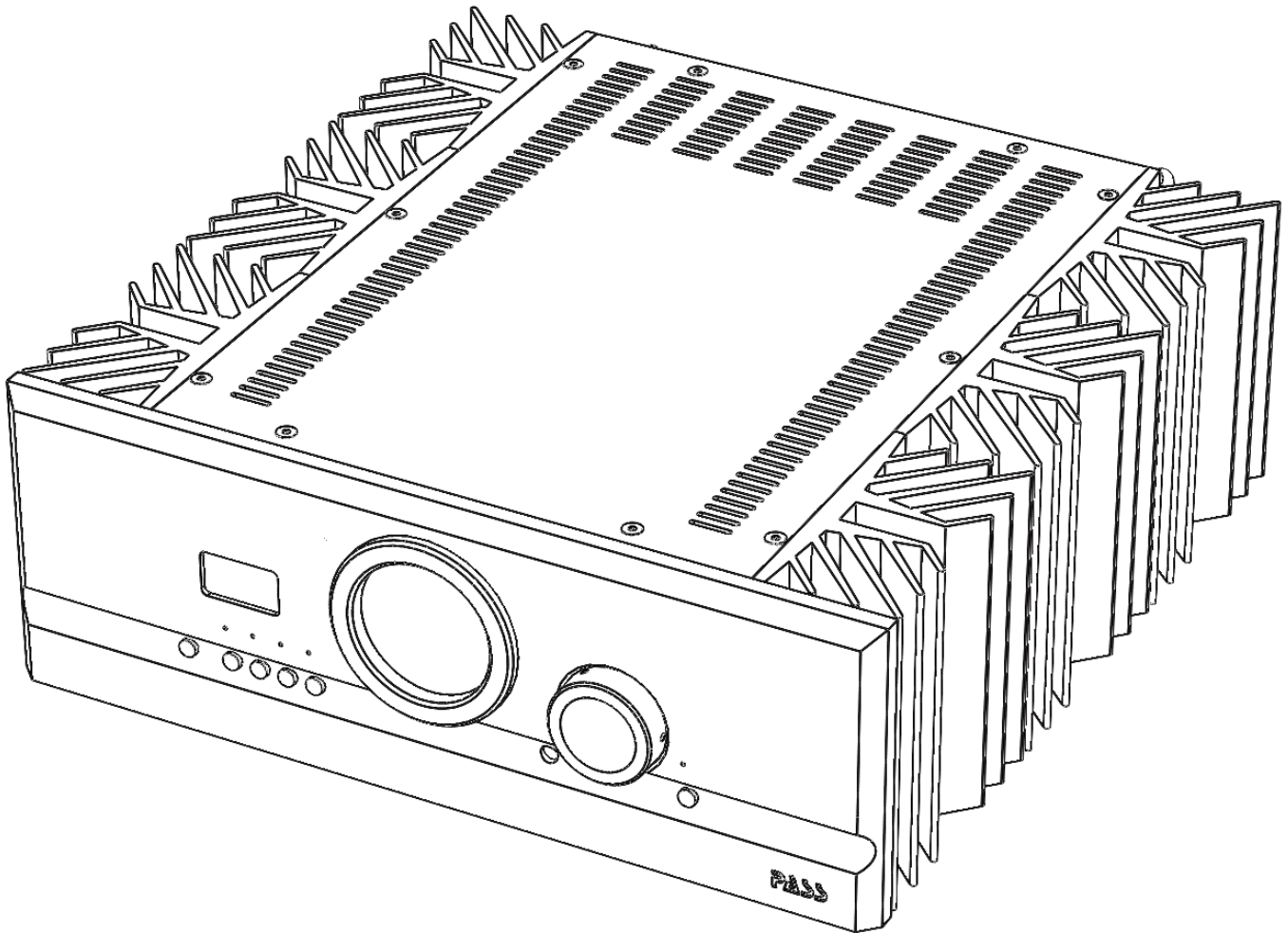**PASS**®

INT-60   60W High Bias AB Integrated Amp

For your protection please read the following:

Water and moisture: Electrical devices should not be used near water (as per example, near a bathtub, washbasin, kitchen sink, laundry tub, wet basement or swimming pool). Care should be taken such that objects do not have the opportunity to fall, and that liquid is never spilled onto or into the device enclosure through openings.

Power Sources: An electrical device must be connected to a mains power source in strict accordance with the supplied product owners manual. Please verify that the AC mains voltage specified in the product manual matches those requirements indicated on the unit and the AC voltage provided to your location by the power company.

Grounding: Adequate precautions should be taken so that the grounding provisions built into an electrical product are never defeated.

Power Cords: Pass Labs provides a power supply cord that meets all legislated requirements for the market in which the product was originally sold. If you choose to substitute an after-market product we urge you to choose one that is fully safety rated by the necessary local authority.

Power Cord Protection: Power supply cords should be routed so that they are not likely to be walked on, abraded, or pinched by items placed on or against them, paying particular attention to cords where they enter plugs or exit from a device. Never under any circumstance insert a cut or damaged power cord into a mains power socket.

Power and Signal: Cables should never be connected / disconnected with equipment powered up. Failure to heed this warning may damage or destroy equipment.

Ventilation: Power-amplifiers run hot, but you should be able to place your hands on them without discomfort. You must allow for this heat in installation, by providing for free air circulation around the product. Electronics should not be subjected to sources of excessive radiant heat. Excessive heat can shorten the life of the product and may cause the electronics to self protect and shut down.

Servicing: To reduce the risk of fire, electrical shock or other injuries, the user should not attempt to service the device beyond that which is described in the operating instructions. All other servicing must be referred to qualified service personnel.

For Units With Externally Accessible Fuse Receptacle: Unplug the device from all sources of power before changing or inspecting any fuse. Replace fuse with one of same physical size, type and rating as that specified by the manufacturer for that product.

Quick Setup:

Unpacking your INT-60

The INT-60 is heavy - please make sure you have help to remove the INT-60 from the packing and to place the amp where you want it.

Included in the box are a remote control and a power cord. You will need these so don't throw them away with the empty box. In fact you should keep the empty box as well.

Place the amplifier close to where you intend to use it. Just leave enough access so you can connect the inputs and speaker cables.

Plug in the amp into the AC. Turn on the AC power switch. At this point you should have the blue LED in the center of the meter on. Push the "power" button on the faceplate a few times. The amp should cycle on and off (display and meter lights will come on and go off).
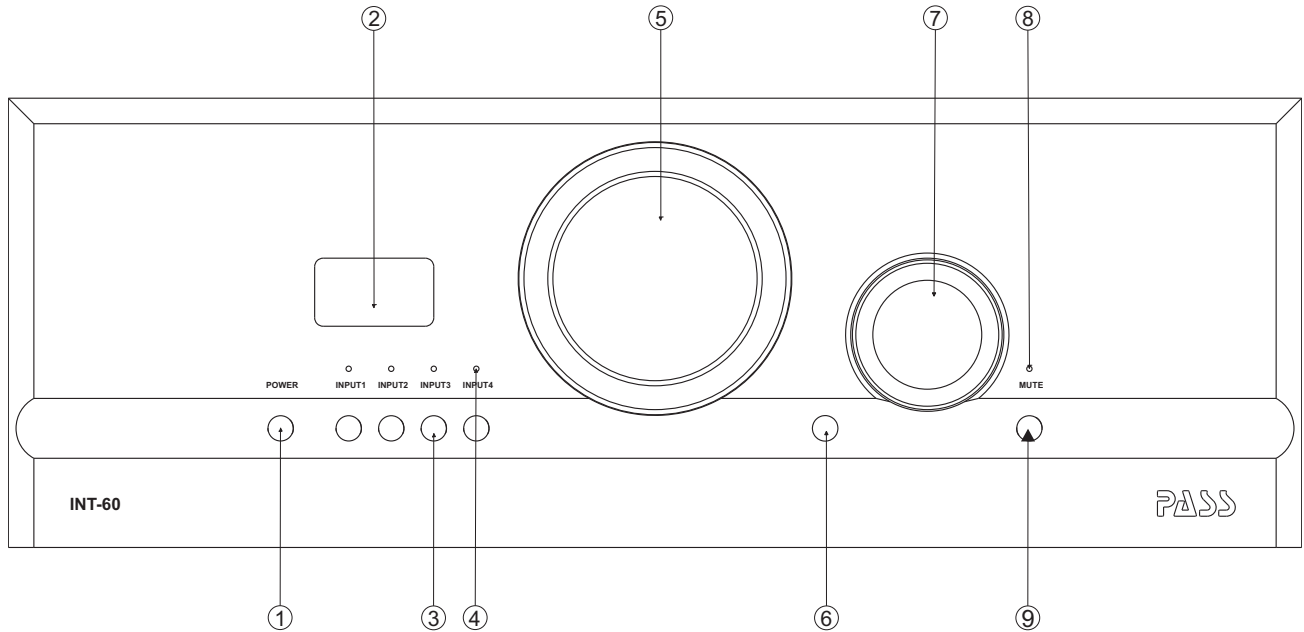
Turn the amp "off" from the faceplate. Now you should be ready to connect your sources and speakers.
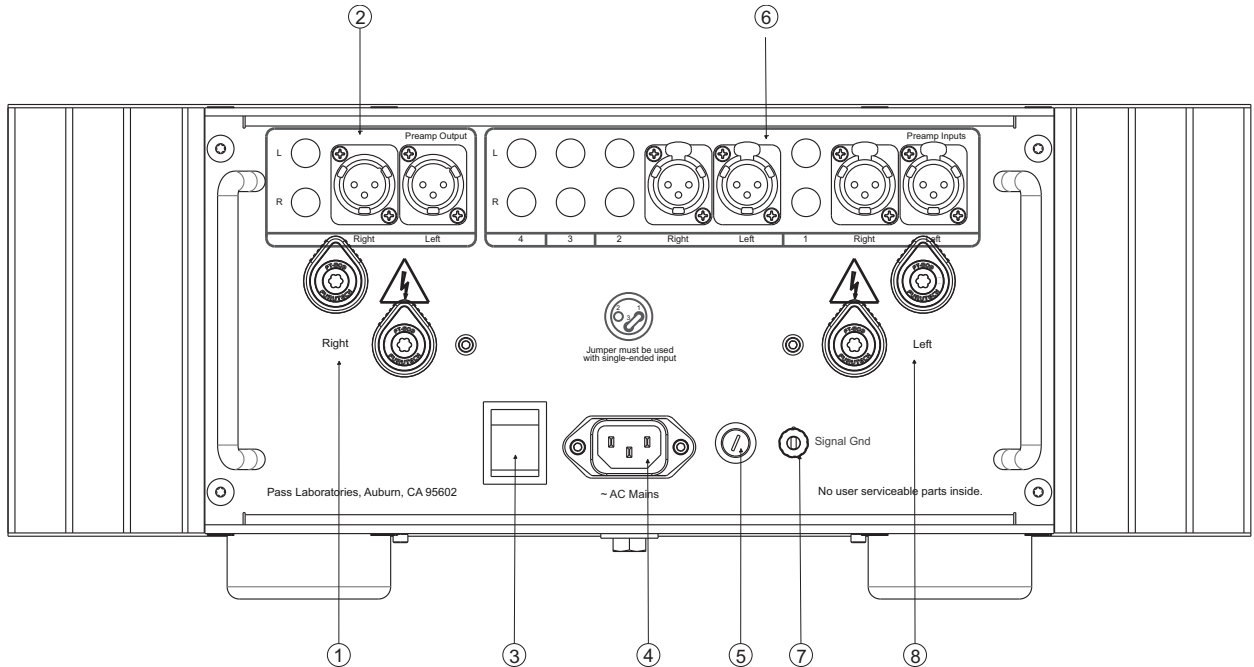
Quick Connections:

Connect your sources to the inputs. There are four inputs, two with XLR and RCA and two with RCA only. The XLR and RCA inputs on INPUT 1 (and INPUT 2) are connected so use XLR or RCA but not both. When using INPUT 1 & 2 with RCAs you should have the XLR shorting jumpers in place.

The Preamp Outputs can be used to drive a second system, a subwoofer or other amplifiers for bi-amping. These output are live when the amp is live and MUTED when the amp is MUTED.
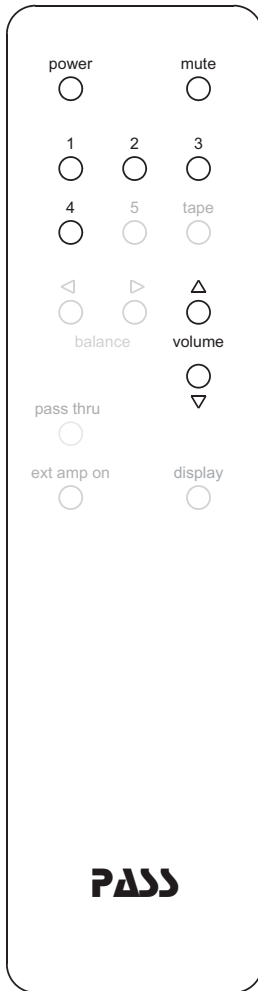
The speaker binding posts can accept spades, banana plugs or bare wire. They also have a built in torque limiting rachet system to prevent over tightening and damage to the binding posts.

POWER   INPUT1 INPUT2 INPUT3 INPUT4   MUTE

INT-60   PASS

1. Standby Power button   2. Display - shows level   3. Input buttons (1 thru 4)
4. Input LED indicators   5. Meter   6. IR Window
7. Volume control   8. Mute LED indicator   9. Mute button

Preamp Output

L
R
Right   Left

4   3   2   Right   Left   1   Right   Left

Preamp Inputs

Right   Left

Jumper must be used
with single-ended input

Signal Gnd

Pass Laboratories, Auburn, CA 95602   ~ AC Mains   No user serviceable parts inside.

1. Right Speaker Connection   2. Preamp outputs (RCA & XLR)   3. AC Power Switch
4. AC Mains Inlet.   5. Fuse (see voltage label for details)   6. Preamp inputs (RCA & XLR)
7. Signal Ground   8. Left Speaker Connection

4

Remote functions:

power:

mute: Mutes the output of the amplifier and preamp

1,2,3,4:   Direct input selection

balance: adjusts the level balance between left and right

volume: adjusts the output level

Basic Operations:

Power on / Off:
Once the INT-60 is turned on from the rear power switch, the INT-60 can switch in to stand by mode from the front panel power switch or the power button on the remote. In Stand By the INT-60 draws less than 0.5 watts.

Front Display & Meter:
The LED display show volume level in one dB steps, from 0 to 63. The meter operates slightly different from our amplifiers in that this meter doesn't show bias but output voltage.

Input selection:
The inputs can be selected by the four buttons on the face plate or the input buttons (1-4) on the remote.

Volume control:
The volume level can be set by using the volume control knob on the face plate of the volume buttons on the remote

Mute:
The INT-60 can be muted from the front panel or remote. When in MUTE the display shows "00" and the LED above the MUTE button on the faceplate will be on.

SPECIFICATIONS	INT-60
Gain	29/35 dB
Volume control (1dB steps)	63dB
Remote	yes
Inputs	4
Outputs	2
Power Output /ch (8 ohm)	60 Watts
Power Output /ch (4 ohm)	120 Watts
Type	Class AB
Frequency Response	-6dB @ 80KHz
Input Impedance (Kohms)	45
Distortion, (1 KHz, full power)	1%
Damping Factor	150
Slew Rate (V/uS)	50
Output Noise (uV)	<250
Input CMRR (dB)	-60
DC Offset (V)	0.05
Leaves Class A RMS	30
Power Consumption (W)	375
Temperature (deg C.)	53
Dimensions (W x H x D)	19 x 21.2 x 7.6
Weight (LBS)	93
Ship Weight (LBS)	110

Warranty:

Please check with the factory authorized distributor in the country where you are purchasing this product for specific warranty information.

All Pass Laboratories products purchased new from an authorized Pass Laboratories dealer in North America are covered by a transferable, limited 3-year warranty. This warranty includes all parts and labor charges incurred at the factory or factory specified repair facility, exclusive of any subsequent or consequential damages. Damage due to physical abuse is specifically excluded under this warranty.

For this warranty to apply the customer is responsible for returning the product unmodified to the factory within the specified warranty period. The customer assumes all responsibility for shipping and insurance to and from the factory or a factory specified repair facility. The conditions and stipulations of this Pass Laboratories warranty only applies to units originally sold new through an authorized dealer. Warranty on factory repair is 60 days and covers only the scope of the original repair.

Non-North America customers should consult with their original Pass Labs dealer or distributor for warranty repair instruction prior to contacting the factory or shipping product to the factory for repair.

Non-North American product must be returned to the country of origin for warranty service. Foreign distributors are only required to offer warranty service on Pass Laboratories product that they have imported, verifiable by serial number.

Please note: Conditions of warranty service and customer rights for product purchased outside the United States may vary depending upon the distributor and local laws. Please check with your local distributor for specific rights and details.

Any modifications to Pass Laboratories products that have not received written factory approval nullify all claims and void all provisions of the warranty and liability by the maker or authorized distributor. Should a modified product be returned to the factory for repair the owner will be required to pay all necessary charges for the repair in addition to those charges required to return the product to it's original configuration.

In the case of safety issues, no product shall be returned to the customer without those safety issues being corrected to the most recent accepted standards.

Removal or alteration of original Pass Labs serial numbers voids the factory warranty. Product with altered or missing serial numbers will be suspect as counterfeit or stolen product.

Pass Laboratories will not repair or in any way indemnify any counterfeit or cloned product.

Pass Laboratories does not offer products in voltages intended for international markets either to authorized Pass Labs dealers or to third parties located in the United States or Canada.

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