

# IMPORTANT SAFETY INSTRUCTIONS

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## EXPLANATION OF GRAPHICAL SYMBOLS



The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of un-insulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product

## IMPORTANT SAFETY INSTRUCTIONS

1. Read and follow these instructions.
2. Heed all warnings.
3. Do not stack objects on the amplifier
4. Do not use this apparatus near water.
5. Do not switch power on or off rapidly
6. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
7. When cleaning the case, first turn off the power plug. Wipe it with a dry cloth, and do not scrub with any corrosive solvent.
8. Use a fixed power outlet with correct capacity to supply power
9. Turn down the output levels on the front panel before switch-on.
10. When using dual, mono, or bridge mode, keep the switches on the rear panel in the position as shown on the back panel, before operating the unit.
11. When operating at full power, the internal fan speed will increase and a slight noise will be audible, which is normal.
12. If the amplifier functions abnormally, turn it off, unplug the power cord and contact your dealer
13. Do not expose to water or fluids. Do not place any fluid containers on the unit.
14. Do not install near any heat sources such as radiators, stoves, or other apparatus (including amplifiers) that produce heat.
15. Do not defeat the safety purpose of the polarized or grounding-type plug.. A grounding type plug has two poles and a third grounding pole. The thick pole or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the outlet.
16. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
17. Only use attachments/accessories specified by the manufacturer.
18. Unplug this apparatus during lightning storms or when unused for long periods of time.
19. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

# PRECAUTIONS

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## PLEASE READ CAREFULLY BEFORE PROCEEDING

Please keep this manual in a safe place for future reference.

## WARNING

Always follow the basic precautions listed below to avoid the possibility of serious injury or even death from electrical shock, short-circuiting, damages, fire or other hazards. These precautions include, but are not limited to, the following

### POWER SUPPLY/POWER CORD

- Do not place the power cord near heat sources such as heaters or radiators, and do not excessively bend or otherwise damage the cord, place heavy objects on it, or place it in a position where anyone could walk on, trip over, or roll anything over it.
- Only use the voltage specified as correct for the device. The required voltage is printed on the name plate of the device.
- Use only the supplied power cord/plug.  
If you intend to use the device in an area other than in the one you purchased, the included power cord may not be compatible. Please check with your Sonodyne dealer.

### DO NOT OPEN

- This device contains no user-serviceable parts. Do not open the device or attempt to disassemble the internal parts or modify them in any way. If it should appear to be malfunctioning, discontinue use immediately and have it inspected by qualified Sonodyne service personnel.

### WATER WARNING

- Do not expose the device to rain, use it near water or in damp or wet conditions, or place on it any containers (such as vases, bottles or glasses) containing liquids which might spill into any openings. If any liquid such as water seeps into the device, turn off the power immediately and unplug the power cord from the AC outlet. Then have the device inspected by qualified Sonodyne service personnel.
- Never insert or remove an electric plug with wet hands.

### FIRE WARNING

- Do not put burning items, such as candles, on the unit. A burning item may fall over and cause a fire.

### IF YOU NOTICE ANY ABNORMALITY

- When one of the following problems occur, immediately turn off the power switch and disconnect the electric plug from the outlet. Then have the device inspected by Sonodyne service personnel.
  - The power cord or plug becomes frayed or damaged.
  - It emits unusual smells or smoke.
  - Some object has been dropped into the device.
  - There is a sudden loss of sound during use of the device.
- If this device should be dropped or damaged, immediately turn off the power switch, disconnect the electric plug from the outlet, and have the device inspected by qualified Sonodyne service personnel

# CAUTION

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Always follow the basic precautions listed below to avoid the possibility of physical injury to you or others, or damage to the device or other property. These precautions include, but are not limited to, the following:

## POWER SUPPLY/POWER CORD

- When removing the electric plug from the device or an outlet, always hold the plug itself and not the cord. Pulling by the cord can damage it.
- Remove the electric plug from the outlet when the device is not to be used for extended periods of time, or during electrical storms.

## LOCATION

- Do not place the device in an unstable position where it might accidentally fall over.
- Do not block the vents. This device has ventilation holes at the front and back to prevent the internal temperature from becoming too high. In particular, do not place the device on its side or upside down. Inadequate ventilation can result in overheating, possibly causing damage to the device(s), or even fire.
- Do not place the device in a location where it may come into contact with corrosive gases or salt air. Doing so may result in malfunction.
- Before moving the device, remove all connected cables.
- When setting up the device, make sure that the AC outlet you are using is easily accessible. If some trouble or malfunction occurs, immediately turn off the power switch and disconnect the plug from the outlet. When you are not using the product for a long time, make sure to unplug the power cord from the wall AC outlet.
- When rack-mounting the device, always use two or more people. Attempting to lift the device by yourself may damage your back, result in other injury, or cause damage to the device itself.
- Inadequate ventilation can result in overheating, possibly causing damage to the device(s), malfunction, or even fire.

## CONNECTIONS

- Before connecting the device to other devices, turn off the power for all devices. Before turning the power on or off for all devices, set all volume levels to minimum.

## MAINTENANCE

- Remove the power plug from the AC outlet when cleaning the device.

## HANDLING CAUTION

- Do not insert your fingers or hands in any gaps or openings on the device (vents).
- Avoid inserting or dropping foreign objects (paper, plastic, metal, etc.) into any gaps or openings on the device (vents). If this happens, turn off the power immediately and unplug the power cord from the AC outlet. Then have the device inspected by qualified Sonodyne service personnel.
- Do not rest your weight on the device or place heavy objects on it, and avoid use excessive force on the buttons, switches or connectors.
- Do not use speakers or headphones for a long period of time at a high or uncomfortable volume level, since this can cause permanent hearing loss. If you experience any hearing loss or ringing in the ears, consult a physician.

# CAUTION

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## BEFORE YOU GET STARTED WITH YOUR SHIPMENT

Your amplifier was carefully packed in the factory to guarantee safe transport. Nevertheless, we recommend that you carefully examine the packaging and its contents for any signs of physical damage, which may have occurred during transit.

If the unit is damaged, please notify your dealer and the shipping company immediately, otherwise claims for damage or replacement may not be granted.

## INITIAL OPERATION

Be sure that there is enough space around the unit for cooling purposes and to avoid over-heating.

- The amplifier is connected to the mains via the supplied cable.
- The amplifier meets the required safety standards.
- Blown fuses must only be replaced by fuses of the same type and rating.
- Note that all units must be properly grounded. For your own safety, you should never remove any ground connectors from electrical devices or power cables, or render them inoperative.
- Ensure that only qualified people install and operate the mixing console. During installation and operation, the user must have sufficient electrical contact to earth; otherwise electrostatic discharges might affect the operation of the unit.

## NOTICE

To avoid the possibility of malfunction/damage to the product, damage to data, or damage to other property, follow the notices below.

### • HANDLING AND MAINTENANCE

- Do not use the device in the vicinity of a TV, radio, stereo equipment, mobile phone, or other electric devices. Otherwise, the device, TV, or radio may generate noise.
- Do not expose the device to excessive dust or vibration, or extreme cold or heat (such as in direct sunlight, near a heater, or in a car during the day), in order to prevent the possibility of panel disfiguration, unstable operation, or damage to the internal components.
- Do not place vinyl, plastic or rubber objects on the device, since this might discolor the panel.
- When cleaning the device, use a dry and soft cloth. Do not use paint thinners, solvents, cleaning fluids, or chemical impregnated wiping cloths.
- Condensation can occur in the device due to rapid, drastic changes in ambient temperature—when the device is moved from one location to another or air conditioning is turned on or off, for example. Using the device while condensation is present can cause damage. If there is reason to believe that condensation might have occurred, leave the device for several hours without turning on the power until the condensation has completely dried out.
- When turning on the AC power in your audio system, always turn on the power amplifier LAST, to avoid speaker damage. When turning the power off, the power amplifier should be turned off FIRST for the same reason.
- Always turn the power off when the device is not in use.

### • CONNECTORS

- XLR-type connectors are wired as follows (IEC60268 standard): pin 1: ground, pin 2: hot (+), and pin 3: cold (-).

Thank you for choosing SLA 3000 series of professional amplifier. Please read this manual carefully and it contains important and helpful information to get the most out of your new product.

## 1.1 OPEN-PACKAGE TO INSPECT

Check your new amplifier out of the box. If damage is found, notify the dealer or the shipping company immediately. The consignee can claim for damage caused during transportation.

## 1.2 FEATURES:

- a. Professional power amplifier with host of features and complete internal protection.
- b. Class H design: SLA 3006, SLA 3008, SLA 3010 and SLA 3106  
Class AB design: SLA 3003, SLA 3004 and SLA 3104  
Class TD design: SLA 3013
- c. Power supply design (models SLA 3003 – SLA 3010): Each channel of amplifier is driven by a separate power supply. This causes a lesser difference in output power between BCD mode (both channels driven) and SCD mode (single channel driven) as compared to amplifiers using single power supply for both channels. It also reduces crosstalk at higher frequencies. Moreover, for the Class H amplifiers, the power supply has multiple supply rails which are selected by a real-time control circuit that monitors the output continuously. The lowest rail voltage is always selected for a certain output so that power dissipation is minimised.
- d. Power output stage: The output stage employs a large number of matched complementary devices in parallel having linear transfer characteristic for low distortion and high SOA guaranteeing safe operation at elevated power levels.
- e. Built-in intelligent limiter: There is a built-in limiter for each channel which works by sensing the output and automatically limits the input signal in case of excessive clipping or overheat (dynamic SOA control)
- f. Heavy-duty Binding post and professional twist-lock connectors for speaker connection.
- g. Exhaustive protection: The power amplifier provides many different types of protection including DC protection, internal fault protection, input overload protection, RF interference filter, output short circuit protection, high frequency overload protection, overheat protection of heat sink and transformer and mains input over current protection.
- h. Cooling: There is heat tunnel formed by special-design copper heat sinks and high-speed fans. The tunnel arrangement enhances the heat dissipation and isolates the rest of the amplifier from the heat sinks thereby providing a dust-seal. Dust filter on the front reduces ingress of dust.
- i. Heavy-duty mains cable with 3 pin 15A plug is built into the unit to prevent loose connection caused by detachable mains cable.
- j. Heavy-duty steel chassis with handles allow the amplifier to be slid in or out of a rack.

# FRONT & TOP VIEWS

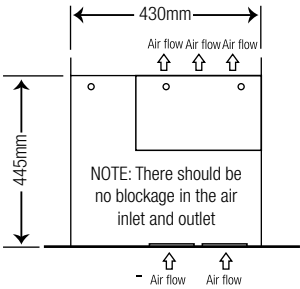
FRONT VIEW: SLA 3003/ 3004/ 3006/ 3008/ 3010/ 3013



FRONT VIEW: SLA 3104/ 3106

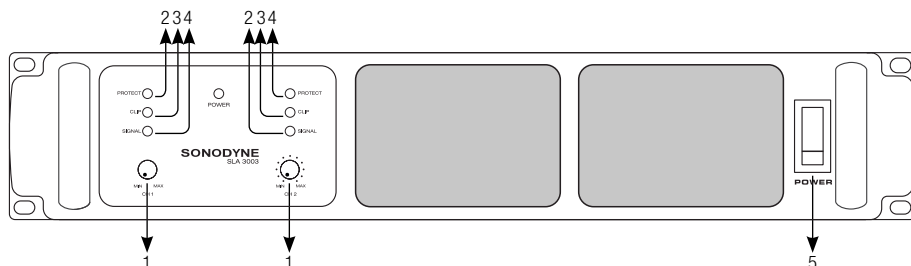


TOP VIEW



## FRONT PANEL

SLA 3003/ 3004/ 3006/ 3008/ 3010 3010/ 3013



### 1. LEVEL CONTROLS:

Two calibrated and detent type potentiometers allow attenuation of signal levels.

### 2. PROTECT LED:

In the event of overload, DC at output, or overheat, the power amplifier is muted to protect the unit and the LED turns on.

### 3. CLIP LED:

Lights up when the output stage starts to clip. Always set level so that this LED lights up only at peaks, to prevent damage to speaker from excessive clipping.

### 4. SIGNAL LED

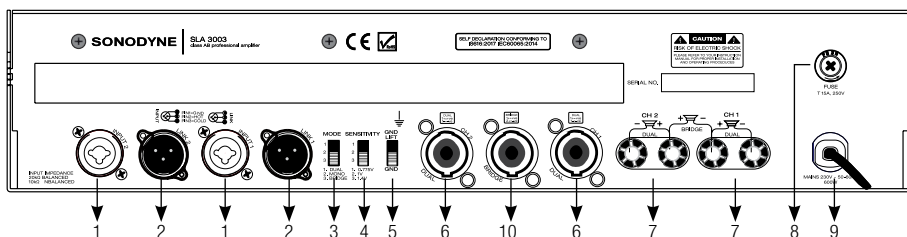
Lights up at 1W output power

### 5. POWER SWITCH

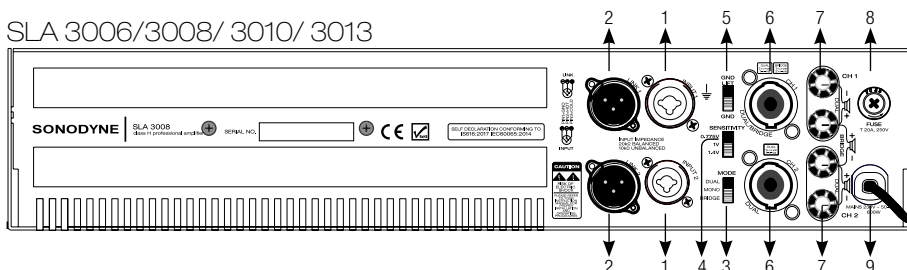
Rocker type switch to turn the amplifier on or off.

## REAR PANEL

SLA 3003/3004



SLA 3006/3008/ 3010/ 3013



## 1. INPUT

There are two such sockets, for Channel 1 and Channel 2. These are balanced XLR type input, for both Channel 1 and Channel 2, having pin connections as per IEC60268 standard, printed on the back plate and are as follows pin 1: ground, pin 2: hot (+), and pin 3: cold (-). The impedance in balanced mode is 20k $\Omega$ .

## 2. LINK

There are two such sockets, for Channel 1 and Channel 2. These are connected in parallel to the respective input

## 3. MODE SWITCH

This selects between 3 types of operation – Dual, Mono and Bridge. Please see Fig 1.

- Dual mode – 2 inputs, 2 outputs. Signal is applied to all four channels and outputs are taken from all four channels.
- Mono mode - 1 input, 2 outputs. Input channels 1 is active only. Signal applied to channel 1 appears at output of Channels 1 and 2.
- Bridge mode – 1 input, 1 output. In bridge mode the outputs of two channels are combined to deliver higher power into a single speaker load. Input channel 1 is active only. For signal applied to channel 1, outputs of channels 1 and 2 are combined to have a single output at the socket marked Dual/Bridge corresponding to Channel 1, or across the positive terminals of binding posts of Channels 1 and 2, as shown on the back plate

## 4. SENSITIVITY SWITCH

Use this to select input sensitivity between 0.775V, 1.0V and 1.4V.

## 5. GROUND LIFT SWITCH

This disconnects the input socket ground from the chassis ground, in gnd-lift mode. It is sometimes required to solve ground related problems in certain applications.

## 6. TWIST-LOCK SPEAKER SOCKETS

There are two such sockets, for Channel 1 and Channel 2. Pin connections for dual or mono mode are shown in the back plate and are as follows - pin 1+ positive and pin1- negative, for both channels. For bridge mode, output is taken from Channel 1 only and pin connections are as follows - pin 1+ positive and pin 2+ negative.

## 7. BINDING POSTS.

There are a pair of binding posts, for Channel 1 and Channel 2. For dual or mono mode, the red terminal is positive, and the black negative, for both channels. For bridge mode, the output is taken from the positive terminal of each channel, as shown in the back plate. The red terminal of Channel 1 is positive, and the red terminal of Channel 2 is negative

## 8. FUSE

This is a safety device to protect against misuse and resulting fire hazards. To replace fuse unscrew and remove the burnt fuse. Use only the correct type of fuse for replacement. This is a slow-blow or time-delay type fuse. The fuse rating is marked on the back-panel.

## 9. MAINS CABLE

This is a 3 pin mains cable with 15A plug. Connect this to an earthed 15A mains utility socket

## 4.1 POWER SUPPLY REQUIREMENTS

Each amplifier has a different output power rating, please refer to the printing on rear panel. Make sure the supply voltage is correct before connecting the amplifier. Connecting the amplifier to a mismatched AC voltage can cause damage to the amplifier.

The power supply requirement is: 230VAC/50 Hz

## 4.2 COOLING SYSTEM AND REQUIREMENTS

The amplifier uses forced air cooling. Cool air is sucked in through two ventilation pockets on front panel by fans mounted in the heat tunnel. This cools the heat sink. The "intelligent" variable speed DC fan is controlled by a thermal circuit which senses the temperature of the heat sink. When the amplifier is turned on, the fan speed increases for a short time and then slows down; this indicates that the thermal circuit is working properly. The fan speed will vary with the heat sink temperature. At full power, the fan switches to high speed to cool the heat sinks. If the heat sink temperature exceeds the maximum allowable temperature, the amplifier will shut down.

NOTE: To ensure optimum cooling conditions, check that the front and rear of the amplifier is unobstructed and allows free flow of air.

## 4.3 INPUT CONNECTION

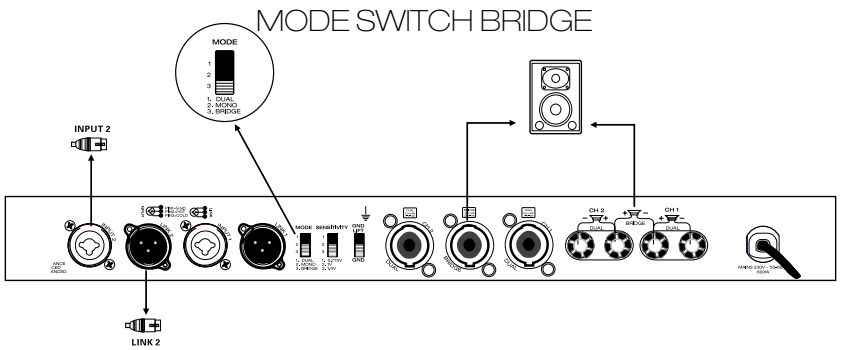
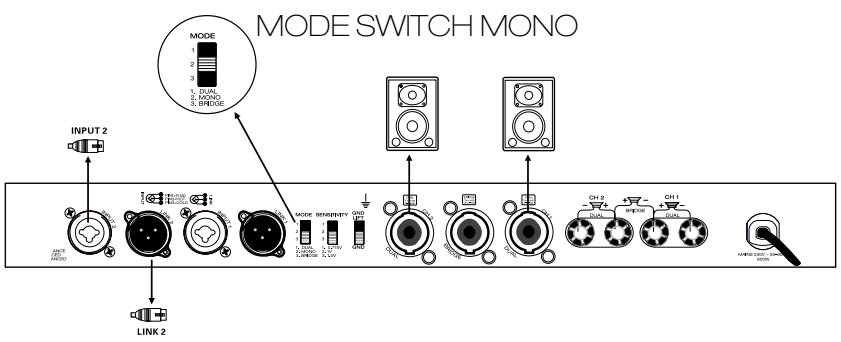
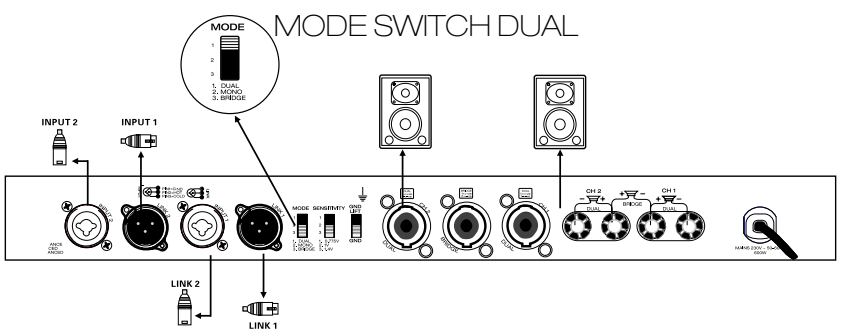
Connect the balanced output of your source equipment to this input with a 3 pin XLR female to XLR male cable. For details please refer to the section on back panel above. To loop the input to a second amplifier, connect the input of the second amplifier to the LINK terminal.

## 4.4 OUTPUT CONNECTION

The speakers are connected using either binding posts or twist-lock type sockets. For details please refer to the section on back panel above

# MODE SWITCH SETTING DIAGRAMS

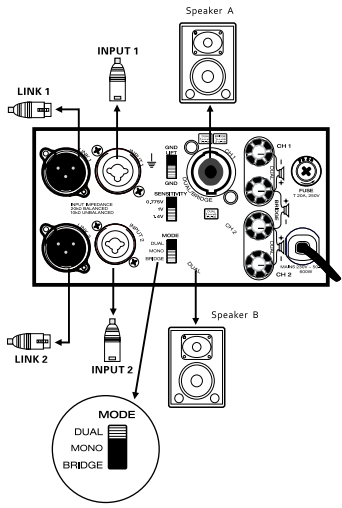
SLA 3003/ 3004/ 3006



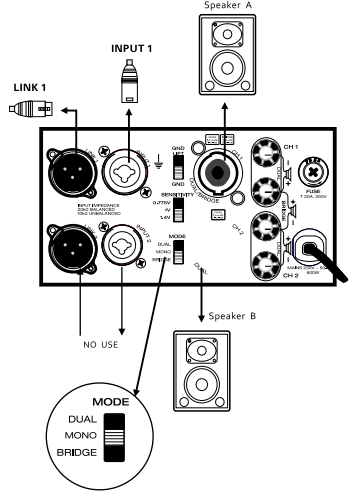
# MODE SWITCH SETTING DIAGRAMS

SLA 3008/ 3010/ 3013

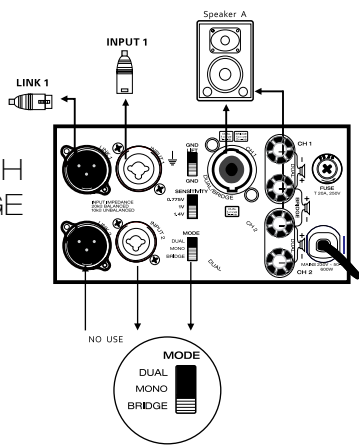
MODE SWITCH  
DUAL



MODE SWITCH  
MONO



MODE SWITCH  
BRIDGE

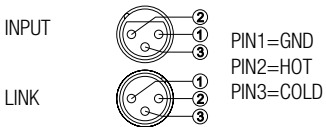


# PIN CONNECTION DIAGRAMS

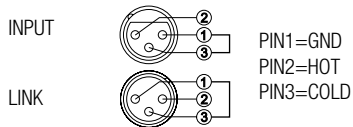
SLA 3003/ 3004/ 3006/ 3008/ 3010/ 3013

## 1. XLR SOCKET

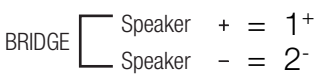
### BALANCED SOCKET



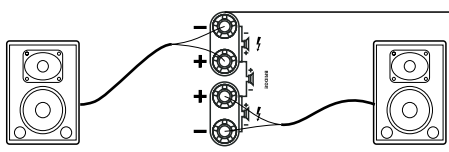
### UNBALANCED SOCKET



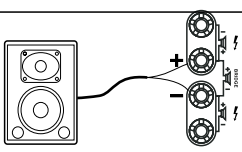
## 2. TWIST-LOCK SPEAKER CONNECTORS



## 3. TWO-WAY BINDING POST CONNECTORS

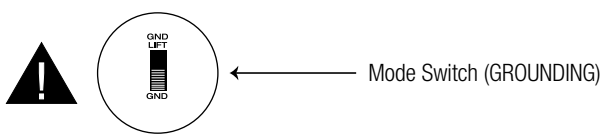


DUAL/MONO



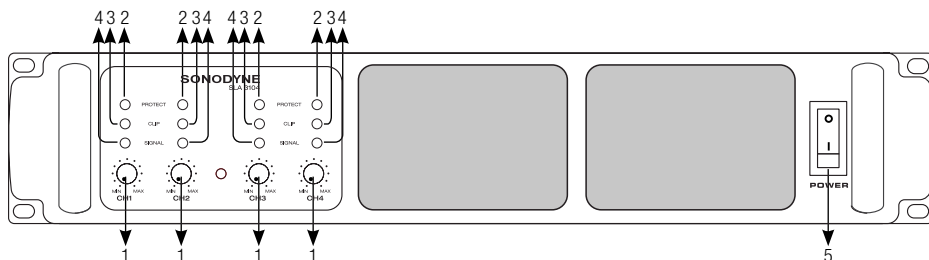
BRIDGE

## 4. GROUNDING



## FRONT PANEL

SLA 3104/3106



### 1. LEVEL CONTROLS:

Four calibrated and detent type potentiometers allow attenuation of signal levels

### 2. SIGNAL LED

Lights up at 1W output power

### 3. CLIP LED:

Lights up when the output stage starts to clip. Always set level so that this LED lights up only at peaks, to prevent damage to speaker from excessive clipping.

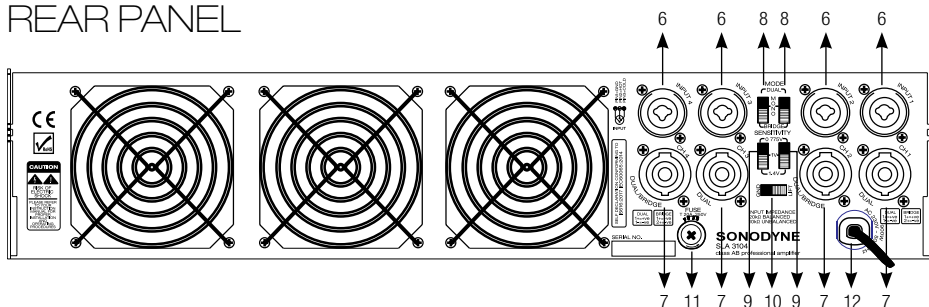
### 4. PROTECT LED:

In the event of overload, DC at output, or overheat, the power amplifier is muted to protect the unit and the LED turns on.

### 5. POWER SWITCH

Rocker type switch to turn the amplifier on or off.

## REAR PANEL



## 6. INPUT

There are four such sockets - Channel 1, Channel 2, Channel 3 and Channel 4. These are balanced XLR type inputs, having pin connections as per IEC60268 standard, printed on the back plate and are as follows pin 1: ground, pin 2: hot (+), and pin 3: cold (-). The impedance in balanced mode is 20k $\Omega$

## 7. TWIST-LOCK SPEAKER SOCKETS

There are four such sockets - Channel 1, Channel 2, Channel 3 and Channel 4. Pin connections for dual or mono mode are as follows - pin 1+ positive and pin1- negative, for all four channels. For bridge mode, output is taken from the channels marked Dual/Bridge corresponding to Channels 2 and 4. Pin connections are as follows - pin 1+ positive and pin 2+ negative. For dual/mono/bridge mode operation, please see under #8

## 8. MODE SWITCH

This selects between 3 types of operation – Dual, Mono and Bridge. Please see Fig 1.

- Dual mode – 4 inputs, 4 outputs. Signal is applied to all four channels and outputs are taken from all four channels.
- Mono mode - 2 inputs, 4 outputs. Input channels 2 and 4 are active only. Signal applied to channel 2 appears at output of Channels 1 and 2. Similarly, signal applied to channel 4 appears at output of Channels 3 and 4.
- Bridge mode – 2 inputs, 2 outputs. In bridge mode the outputs of two channels are combined to deliver higher power into a single speaker load. Input channels 2 and 4 are active only. For signal applied to channel 2, outputs of channels 1 and 2 are combined to have a single output at the socket marked Dual/Bridge corresponding to Channel 2. For signal applied to channel 4, outputs of channels 3 and 4 are combined to have a single output at the socket marked Dual/ Bridge corresponding to Channel 4

## 9. SENSITIVITY SWITCH

Use this to select input sensitivity between 0.775V, 1.0V and 1.4V.

## 10. GROUND LIFT SWITCH

This disconnects the input socket ground from the chassis ground, in ground-lift mode. It is required to solve ground related hum and buzz problems in certain applications.

## 11. FUSE

This is a safety device to protect against misuse and resulting fire hazards. To replace fuse unscrew and remove the burnt fuse. Use only the correct type of fuse for replacement. This is a slow-blow or time-delay type fuse. The fuse rating is marked on the back-panel.

## 12. MAINS CABLE

This is a 3 pin mains cable with 15A plug. Connect this to an earthed 15A mains utility socket

## 4.1 POWER SUPPLY REQUIREMENTS

Each amplifier has a different output power rating, please refer to the printing on rear panel. Make sure the supply voltage is correct before connecting the amplifier. Connecting the amplifier to a mismatched AC voltage can cause damage to the amplifier.

The power supply requirement is: 230VAC/50 Hz

## 4.2 COOLING SYSTEM AND REQUIREMENTS

The amplifier uses forced air cooling. Cool air is sucked in through two ventilation pockets on front panel by fans mounted in the heat tunnel. This cools the heat sink. The "intelligent" variable speed DC fan is controlled by a thermal circuit which senses the temperature of the heat sink. When the amplifier is turned on, the fan speed increases for a short time and then slows down; this indicates that the thermal circuit is working properly. The fan speed will vary with the heat sink temperature. At full power, the fan switches to high speed to cool the heat sinks. If the heat sink temperature exceeds the maximum allowable temperature, the amplifier will shut down.

NOTE: To ensure optimum cooling conditions, check that the front and rear of the amplifier is unobstructed and allows free flow of air.

## 4.3 INPUT CONNECTION

Connect the balanced output of your source equipment to these inputs with a 3 pin XLR female to XLR male cable. For details please refer to the section on back panel above

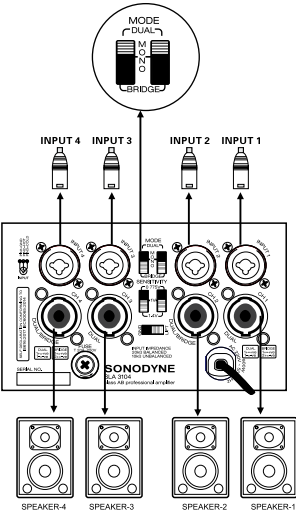
## 4.4 OUTPUT CONNECTION

The speakers are connected using twist-lock type sockets. For details please refer to the section on back panel above.

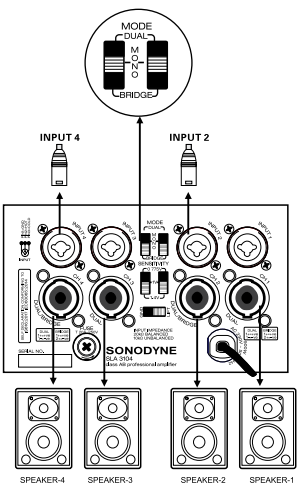
# MODE SWITCH SETTING DIAGRAMS

SLA 3104/3106

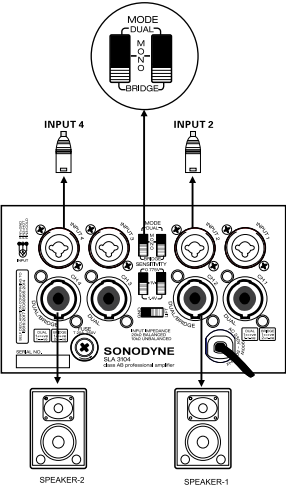
MODE SWITCH  
DUAL



MODE SWITCH  
MONO



MODE SWITCH  
BRIDGE



# SPECIFICATIONS

	SLA 3003	SLA 3004	SLA 3006	SLA 3008
<b>No. OF CHANNELS</b>	2	2	2	2
<b>OUTPUT POWER PER CHANNEL</b>				
8Ω	300W	400W	600W	800W
4Ω	450W	600W	900W	1200W
8Ω BRIDGE	1000W	1200W	1800W	2400W
<b>THD @ RATED POWER</b>	1% or less	1% or less	1% or less	1% or less
<b>DAMPING FACTOR</b>	300	280	250	240
<b>SIGNAL TO NOISE RATIO (20Hz~20kHz)</b>	100dB	101dB	103dB	104dB
<b>OUTPUT CIRCUITRY</b>	AB	AB	H	H
<b>FREQUENCY RESPONSE</b>	20Hz~20kHz, ±0.5dB	20Hz~20kHz, ±0.5dB	20Hz~20kHz, ±0.5dB	20Hz~20kHz, ±0.5dB
<b>INPUT CONNECTORS EACH CHANNEL</b>	XLR with link	XLR with link	XLR with link	XLR with link
<b>OUTPUT CONNECTORS EACH CHANNEL</b>	Twist-lock connector and binding post	Twist-lock connector and binding post	Twist-lock connector and binding post	Twist-lock connector and binding post
<b>AMPLIFIER AND LOAD PROTECTION</b>	Short circuit, output DC, thermal, RF protection	Short circuit, output DC, thermal, RF protection	Short circuit, output DC, thermal, RF protection	Short circuit, output DC, thermal, RF protection
<b>FRONT PANEL CONTROLS AND INDICATORS</b>	Clip, Protect and Signal LED indicators, 42 detent rotary vol control	Clip, Protect and Signal LED indicators, 42 detent rotary vol control	Clip, Protect and Signal LED indicators, 42 detent rotary vol control	Clip, Protect and Signal LED indicators, 42 detent rotary vol control
<b>REAR PANEL CONTROLS</b>	3 position Slide switch for Mode - Dual, Mono, Bridge. 3 position Slide switch for Sensitivity – 0.775V, 1 V and 1.4V.	3 position Slide switch for Mode - Dual, Mono, Bridge. 3 position Slide switch for Sensitivity – 0.775V, 1 V and 1.4V.	3 position Slide switch for Mode - Dual, Mono, Bridge. 3 position Slide switch for Sensitivity – 0.775V, 1 V and 1.4V.	3 position Slide switch for Mode - Dual, Mono, Bridge. 3 position Slide switch for Sensitivity – 0.775V, 1 V and 1.4V.
<b>INPUT POWER (as per BIS IS616:2017 IEC60065:2014/IEC62368-1</b>	600W	700W	550W	600W
<b>DIMENSIONS (WxDxH) mm</b>	483 x 462 x 88	483 x 462 x 88	483 x 462 x 88	483 x 462 x 88
<b>WEIGHT</b>	14.5kg	15.2kg	17.7kg	17.9kg
<b>AGENCY APPROVALS</b>	CE, BIS IS616:2017 IEC60065:2014/ IEC62368-1	CE, BIS IS616:2017 IEC60065:2014/ IEC62368-1	CE, BIS IS616:2017 IEC60065:2014/ IEC62368-1	CE, BIS IS616:2017 IEC60065:2014/ IEC62368-1

*Due to continuous improvements, all specifications are subject to change*

# SPECIFICATIONS



	SLA 3010	SLA 3013
<b>No. OF CHANNELS</b>	2	2
<b>OUTPUT POWER PER CHANNEL</b>		
8Ω	1000W	1350W
4Ω	1400W	2150W
8Ω BRIDGE	2800W	2700W
<b>THD @ RATED POWER</b>	1% or less	1% or less
<b>DAMPING FACTOR</b>	240	240
<b>SIGNAL TO NOISE RATIO (20Hz~20kHz)</b>	105dB	105dB
<b>OUTPUT CIRCUITRY</b>	H	TD
<b>FREQUENCY RESPONSE</b>	20Hz~20kHz, ±0.5dB	20Hz~20kHz, ±0.5dB
<b>INPUT CONNECTORS EACH CHANNEL</b>	XLR with link	XLR with link
<b>OUTPUT CONNECTORS EACH CHANNEL</b>	Twist-lock connector and binding post	Twist-lock connector and binding post
<b>AMPLIFIER AND LOAD PROTECTION</b>	Short circuit, output DC, thermal, RF protection	Short circuit, output DC, thermal, RF protection
<b>FRONT PANEL CONTROLS AND INDICATORS</b>	Clip, Protect and Signal LED indicators, 42 detent rotary vol control	Clip, Protect and Signal LED indicators, 42 detent rotary vol control
<b>REAR PANEL CONTROLS</b>	3 position Slide switch for Mode - Dual, Mono, Bridge. 3 position Slide switch for Sensitivity – 0.775V, 1 V and 1.4V.	3 position Slide switch for Mode - Dual, Mono, Bridge. 3 position Slide switch for Sensitivity – 0.775V, 1 V and 1.4V.
<b>INPUT POWER (as per BIS IS616:2017 IEC60065:2014/IEC62368-1)</b>	660W	730W
<b>DIMENSIONS (WxDxH) mm</b>	483 x 462 x 88	483 x 462 x 88
<b>WEIGHT</b>	20.4kg	19.7kg
<b>AGENCY APPROVALS</b>	CE, BIS IS616:2017 IEC60065:2014/ IEC62368-1	CE, BIS IS616:2017 IEC60065:2014/ IEC62368-1

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# SPECIFICATIONS

	SLA 3104	SLA 3106
<b>No. OF CHANNELS</b>	4	4
<b>OUTPUT POWER PER CHANNEL</b>		
8Ω	400W	600W
4Ω	600W	900W
8Ω BRIDGE	1200W	1800W
<b>THD @ RATED POWER</b>	1% or less	1% or less
<b>DAMPING FACTOR</b>	280	250
<b>SIGNAL TO NOISE RATIO (20Hz~20kHz)</b>	105dB	105dB
<b>OUTPUT CIRCUITRY</b>	AB	H
<b>FREQUENCY RESPONSE</b>	20Hz~20kHz, ±0.5dB	20Hz~20kHz, ±0.5dB
<b>INPUT CONNECTORS EACH CHANNEL</b>	XLR with link	XLR with link
<b>OUTPUT CONNECTORS EACH CHANNEL</b>	Twist-lock connector and binding post	Twist-lock connector and binding post
<b>AMPLIFIER AND LOAD PROTECTION</b>	Short circuit, output DC, thermal, RF protection	Short circuit, output DC, thermal, RF protection
<b>FRONT PANEL CONTROLS AND INDICATORS</b>	Clip, Protect and Signal LED indicators, 42 detent rotary vol control	Clip, Protect and Signal LED indicators, 42 detent rotary vol control
<b>REAR PANEL CONTROLS</b>	3 position Slide switch for Mode - Dual, Mono, Bridge. 3 position Slide switch for Sensitivity – 0.775V, 1 V and 1.4V.	3 position Slide switch for Mode - Dual, Mono, Bridge. 3 position Slide switch for Sensitivity – 0.775V, 1 V and 1.4V.
<b>INPUT POWER (as per BIS IS616:2017 IEC60065:2014/IEC62368-1)</b>	900W	800W
<b>DIMENSIONS (WxDxH) mm</b>	483 x 462 x 88	483 x 462 x 88
<b>WEIGHT</b>	18.6kg	19.2kg
<b>AGENCY APPROVALS</b>	CE, BIS IS616:2017 IEC60065:2014/ IEC62368-1	CE, BIS IS616:2017 IEC60065:2014/ IEC62368-1

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