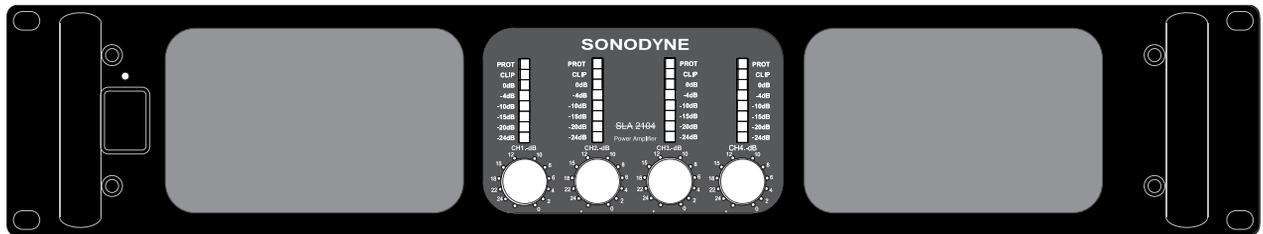
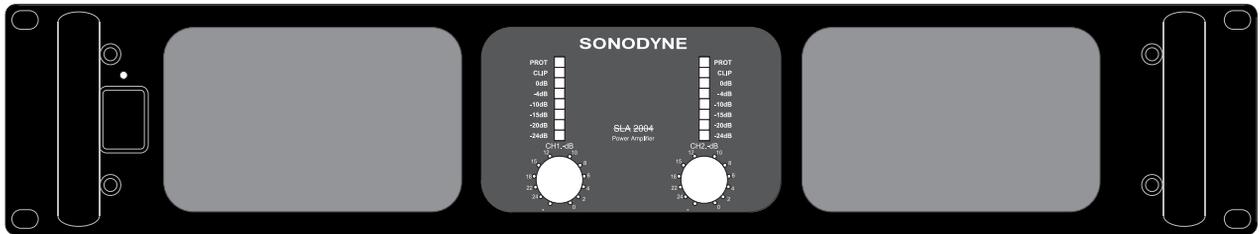


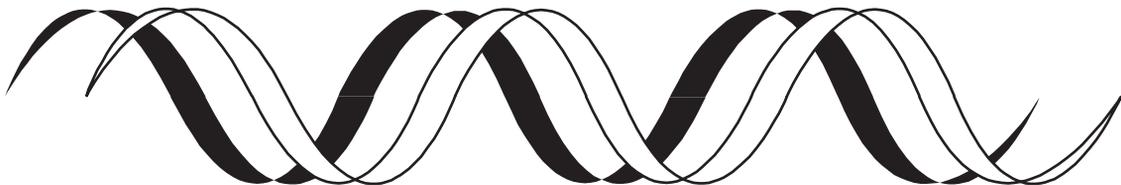
SONODYNE®

SLA SERIES

power amplifier | owners manual

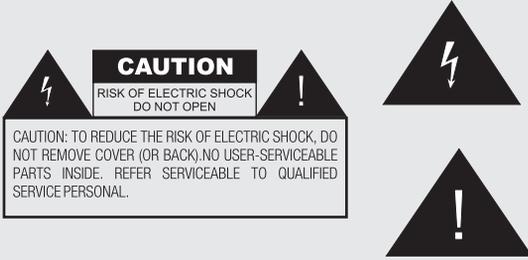


www.sonodyne.com



IMPORTANT SAFETY INSTRUCTIONS

EXPLANATION OF GRAPHICAL SYMBOLS



CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICEABLE TO QUALIFIED SERVICE PERSONAL.

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 person.

The exclamation mark 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.

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 stereo, mono, or bridge mode, keep the DIP 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

Please read carefully before proceeding

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

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 back panel of the device.
- Use only the supplied power cable with 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

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 on 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 of 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





BEFORE YOU GET STARTED

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 sign 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. 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 (-).



1. WELCOME

Thank you for choosing SLA 2000 series of professional amplifier. Please read this manual carefully as 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:

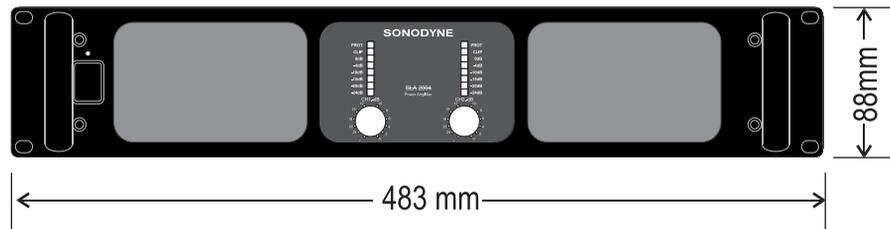
1. Professional power amplifier with host of features and complete internal protection.
2. Class H design for models SLA 2006, SLA 2008, SLA 2010, SLA 2013, SLA 2015 and SLA 2106. Lower power models SLA 2003, SLA 2004 and SLA2104 are Class AB designs.
3. Power supply design: Each channel of amplifier 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.
4. Power output stage: The output stage is designed for 2 ohm stereo or 4 ohm bridge mode operation for 2 channel amplifier and 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. The 4 channel amplifiers are designed for 4 ohm stereo or 8 ohm bridge only.
5. 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)
6. Heavy-duty Binding post and professional twist-lock connectors for speaker connection.
7. 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, mismatched load protection, high frequency over load protection, over heat protection of heat sink and transformer and mains inrush current protection.
8. Cooling: Both channels have independent heat tunnels formed by special-design heat sinks and high-speed fans. All models excepting SLA2003 have 2 sets of fans in a push-pull arrangement to allow higher rate of cooling to cater to the higher output power. The tunnel arrangement enhances the heat dissipation and isolates the rest of the amplifier from the heat sinks thereby providing a dust-seal. Easy to remove dust filter on the front reduces ingress of dust and allows easy periodic cleaning.
9. Twist-lock socket for mains inlet eliminates loose connection resulting in power loss as well as accidents from sparking. Heavy-duty mains cable with mating twist-lock connector are provided with the unit.
10. Heavy-duty steel chassis with handles allow the amplifier to be slid in or out of a rack.



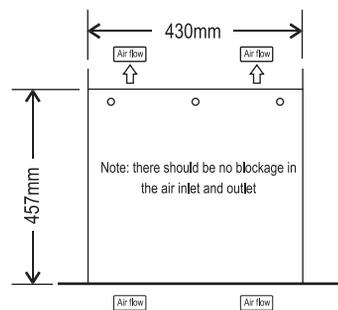
CONTROLS & SWITCHES: 2 CH AMPLIFIERS

SLA 2003, SLA 2004, SLA 2006, SLA 2008, SLA 2010, SLA2013, SLA 2015 POWER AMPLIFIERS (2 CH)

FRONT VIEW

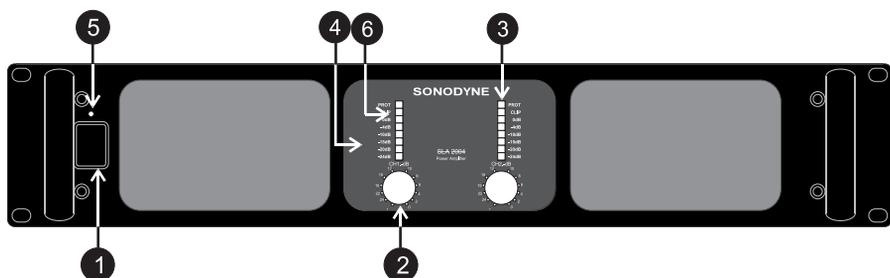


TOP VIEW



CONTROLS AND SWITCHES

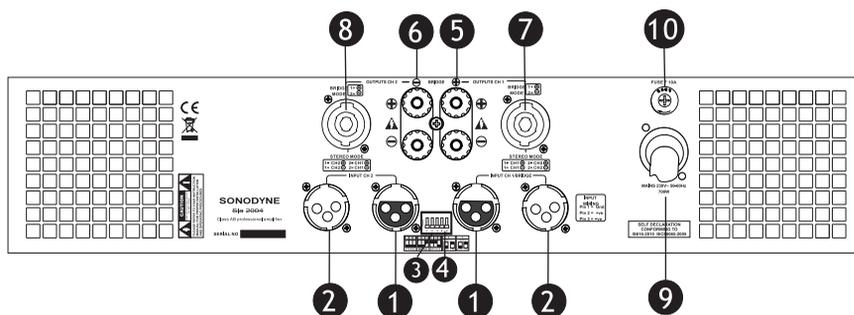
FRONT VIEW



1. POWER SWITCH: Rocker type switch to turn the amplifier on or off.
2. LEVEL CONTROLS: Two calibrated and detent type potentiometers allow attenuation of signal levels. In case of bridge-mode operation, the left potentiometer controls the level.
3. 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.
4. LED BAR GRAPH: Shows signal level at output.
5. POWER LED: Lights up when power is switched on .
6. 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.

CONTROLS & SWITCHES: 4 CH AMPLIFIERS

REAR PANEL



1. **INPUT:** This is a balanced XLR type input 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 ohms.
2. **LINK:** This is connected in parallel to the input
3. **DIP SWITCH:** Use these 3 DIP switches to select between stereo, mono or bridge mode
4. **SENSITIVITY SWITCH:** Use this to select input sensitivity between 0.7V and 1.0V.
5. **CH1 SPEAKER TERMINAL RED + BLACK-:** Connect the positive terminal of your speaker to RED terminal and negative terminal of speaker to black terminal
6. **CH2 SPEAKER TERMINAL RED + BLACK-:** Connect the positive terminal of your speaker to RED terminal and negative terminal of speaker to black terminal
7. **CH1 TWIST-LOCK SPEAKER SOCKET:** Both channel 1 output and channel 2 output are available through this socket. Pin connections for stereo mode are shown in the back plate given under 'Stereo mode'. Channel 1 positive and negative are connected to pins 1+ and 1- respectively, and Channel 2 positive and negative are connected to pins 2+ and 2- respectively. For bridged mode, connect positive and negative terminals of speakers to 1+ and 2+ respectively.
8. **CH2 TWIST-LOCK SPEAKER SOCKET:** Both channel 2 output and channel 1 output are available through this socket. Pin connections for stereo mode are shown in the back plate given under 'Stereo mode'. Channel 2 positive and negative are connected to pins 1+ and 1- respectively, and Channel 1 positive and negative are connected to pins 2+ and 2- respectively. For bridged mode, connect positive and negative terminals of speakers to 1+ and 2+ respectively.
9. **TWIST-LOCK TYPE MAINS SOCKET FOR POWER INLET:** Use only the mains cable provided with the unit to apply power. Note do not confuse this with speaker connector which looks similar.
10. **FUSE:** This is a safety device to protect against misuse and resulting fire hazards. To replace fuse unscrew and remove the blown fuse. Use only the correct type of fuse for replacement. This is a fast-blow type fuse. The fuse rating is shown on the back-plate.

FACTORY SETTING

The default setting of DIP switches are as follows:
Mode selector switch: stereo mode
Sensitivity switch: 0.7V



OPERATIONS: 2 CH AMPLIFIERS

4.1 POWER SUPPLY REQUIREMENTS

Each amplifier has a different output power, please refer to the appendix for details. 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 through two separate sealed heat tunnels. Cool air is sucked in from the front by the front mounted fan through the dust filter which reduces ingress of dust and forced out from the rear by the rear-mounted fan, thus cooling the heat sink. The "intelligent" variable speed DC fan is controlled by a thermal circuit which senses the temperature of the heat sink. 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 mute.

Note: To ensure optimum cooling conditions, periodically remove the dust filter on the front and clean it. Also check that the front and rear of the amplifier are unobstructed and allow 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 SELECTION: The DIP switch selection shows the different modes of stereo, mono and bridge. The default factory setting is stereo mode.

STEREO MODE: In stereo mode, the two channels operate independently and the level adjustment knobs control their respective output levels. The minimum load impedance per channel for stereo operation is 2 ohm.

MONO MODE: When set to mono mode, the signal is input from channel 1. The left knob control controls the output level.

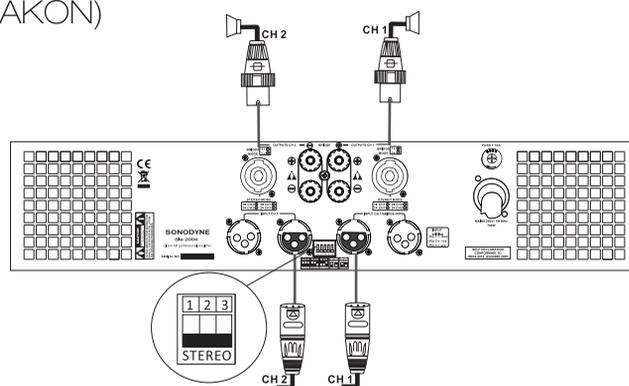
BRIDGE MODE: This mode provides higher power into a single speaker load. The minimum load impedance is 4 ohm.

Attention!! DO not ground speaker output.

SPEAKER OUTPUT CONNECTIONS (SPEAKON)

5.1 STEREO CONNECTION

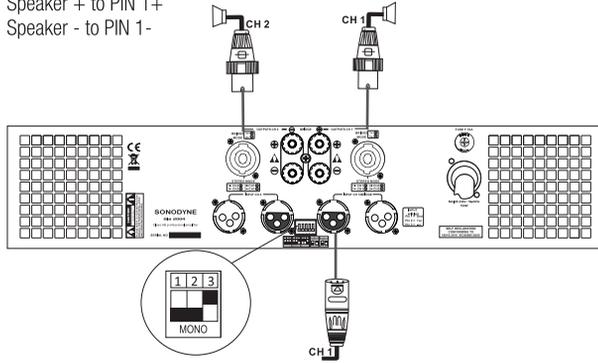
Speaker + to PIN 1+
Speaker - to PIN 1-



OPERATIONS: 2 CH AMPLIFIERS

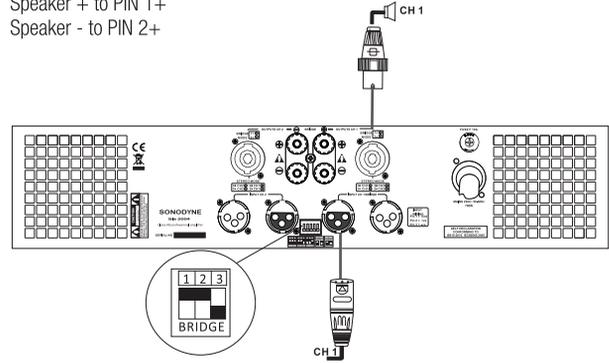
5.2 MONO CONNECTION

Speaker + to PIN 1+
Speaker - to PIN 1-



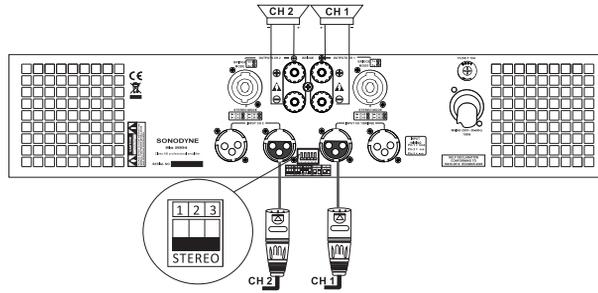
5.3 BRIDGE CONNECTION

Speaker + to PIN 1+
Speaker - to PIN 2+

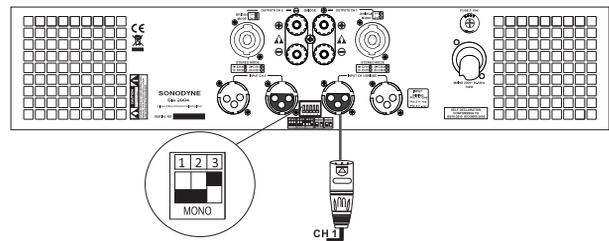


SPEAKER OUTPUT CONNECTIONS (BINDING POST)

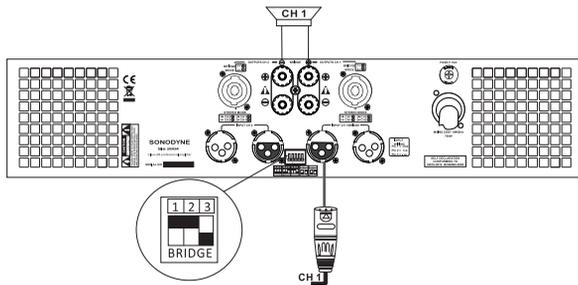
5.4 STEREO CONNECTIONS



5.5 MONO CONNECTION



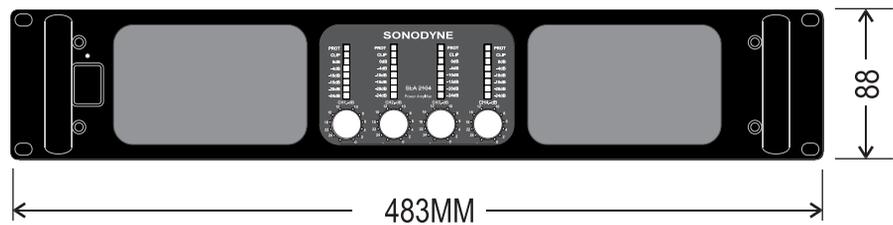
5.6 BRIDGE CONNECTION



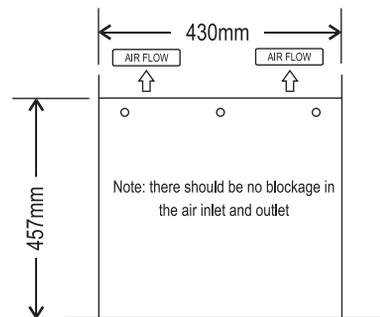
CONTROLS & SWITCHES: 4 CH AMPLIFIERS

6. SLA 2104, SLA 2106 POWER AMPLIFIERS (4 CH)

6.1 FRONT VIEW

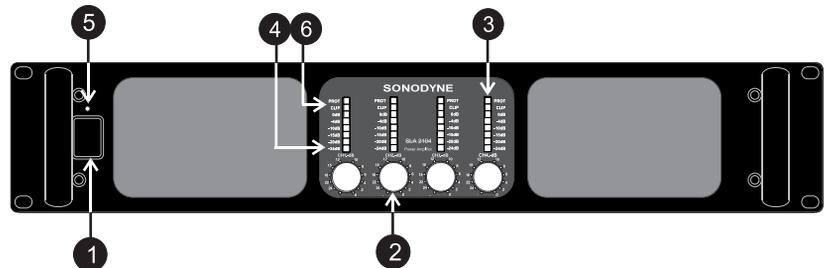


6.2 TOP VIEW



CONTROLS AND SWITCHES

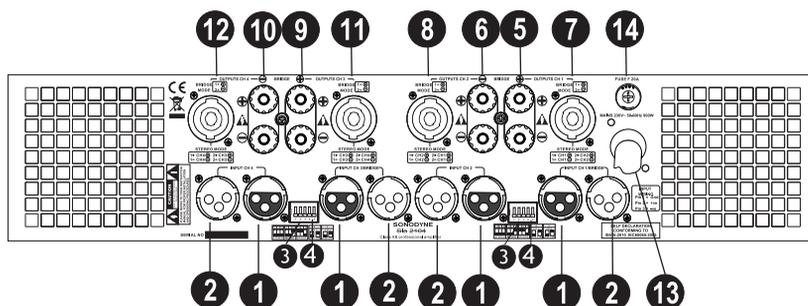
7.1 FRONT VIEW



1. **POWER SWITCH:** Rocker type switch to turn the amplifier on or off.
2. **LEVEL CONTROLS:** Four calibrated and detent type potentiometers allow attenuation of signal levels. In case of bridge-mode operation, the extreme left potentiometer controls the level of the first bridge output, and the third potentiometer from left controls the level of the second bridge output.
3. **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.
4. **LED BAR-GRAPH:** Shows signal level at output.
5. **POWER LED:** Lights up when power is switched on .
6. **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.

CONTROLS & SWITCHES: 4 CH AMPLIFIERS

7.2 BACK PANEL



1. **INPUT:** This is a balanced XLR type input 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 ohms.
2. **LINK:** This is connected in parallel to the input
3. **DIP SWITCH:** Use these 3 DIP switches to select between stereo, mono or bridge mode
4. **SENSITIVITY SWITCH:** Use this to select input sensitivity between 0.7V and 1.0V.
5. **CH1 SPEAKER TERMINAL RED + BLACK-:** Connect the positive terminal of your speaker to RED terminal and negative terminal of speaker to black terminal
6. **CH2 SPEAKER TERMINAL RED + BLACK-:** Connect the positive terminal of your speaker to RED terminal and negative terminal of speaker to black terminal
7. **CH1 TWIST-LOCK SPEAKER SOCKET:** Both channel 1 output and channel 2 output are available through this socket. Pin connections for stereo mode are shown in the back plate given under 'Stereo mode'. Channel 1 positive and negative are connected to pins 1+ and 1- respectively, and Channel 2 positive and negative are connected to pins 2+ and 2- respectively. For bridged mode, connect positive and negative terminals of speakers to 1+ and 2+ respectively.
8. **CH2 TWIST-LOCK SPEAKER SOCKET:** Both channel 2 output and channel 1 output are available through this socket. Pin connections for stereo mode are shown in the back plate given under 'Stereo mode'. Channel 2 positive and negative are connected to pins 1+ and 1- respectively, and Channel 1 positive and negative are connected to pins 2+ and 2- respectively. For bridged mode, connect positive and negative terminals of speakers to 1+ and 2+ respectively.
9. **CH3 SPEAKER TERMINAL RED + BLACK-:** Connect the positive terminal of your speaker to RED terminal and negative terminal of speaker to black terminal
10. **CH4 SPEAKER TERMINAL RED + BLACK-:** Connect the positive terminal of your speaker to RED terminal and negative terminal of speaker to black terminal
11. **CH3 TWIST-LOCK SPEAKER SOCKET:** Both channel 3 output and channel 4 output are available through this socket. Pin connections for stereo mode are shown in the back plate given under 'Stereo mode'. Channel 3 positive and negative are connected to pins 1+ and 1- respectively, and Channel 4 positive and negative are connected to pins 2+ and 2- respectively. For bridged mode, connect positive and negative terminals of speakers to 1+ and 2+ respectively.
12. **CH4 TWIST-LOCK SPEAKER SOCKET:** Both channel 4 output and channel 3 output are available through this socket. Pin connections for stereo mode are shown in the back plate given under 'Stereo mode'. Channel 4 positive and negative are connected to pins 1+ and 1- respectively, and Channel 3 positive and negative are connected to pins 2+ and 2- respectively. For bridged mode, connect positive and negative terminals of speakers to 1+ and 2+ respectively.
13. **TWIST-LOCK TYPE MAINS SOCKET FOR POWER INLET.** Use only the mains cable provided with the unit to apply power. Note do not confuse this with speaker connector which looks similar.
14. **FUSE:** This is a safety device to protect against misuse and resulting fire hazards. To replace fuse unscrew and remove the blown fuse. Use only the correct type of fuse for replacement. This is a fast-blow type fuse. The fuse rating is shown on the back-plate.



OPERATIONS: 4 CH AMPLIFIERS

FACTORY SETTING

The default setting of DIP switches are as follows:

Mode selector switch: stereo mode

Sensitivity switch: 0.7V

8. OPERATION

8.5 POWER SUPPLY REQUIREMENTS

Each amplifier has a different output power, please refer to the appendix for details. 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

8.6 COOLING SYSTEM AND REQUIREMENTS

The amplifier uses forced air cooling through two separate sealed heat tunnels. Cool air is sucked in from the front by the front mounted fan through the dust filter which reduces ingress of dust and forced out from the rear by the rear-mounted fan, thus cooling 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 mute.

Note: To ensure optimum cooling conditions, periodically remove the dust filter on the front and clean it. Also check that the front and rear of the amplifier are unobstructed and allow free flow of air.

8.7 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.

8.8 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 SELECTION:** The DIP switch selection shows the different modes of stereo, mono and bridge. The default factory setting is stereo mode.
- **STEREO MODE:** In stereo mode, the four channels operate independently and the level adjustment knobs control their respective output levels. The minimum load impedance per channel for stereo operation is 4 ohm.
- **MONO MODE:** When set to mono mode, the signal is input from channel 1 for channels 1 and 2, and channel 3 for channels 3 and 4. The CH1 control controls the output level for channels 1 and 2, and CH3 controls the output level for channels 3 and 4.
- **BRIDGE MODE:** This mode provides higher power into a single speaker load. The minimum load impedance is 8 ohm. The signal is input from channel 1 for channels 1 and 2, and channel 3 for channels 3 and 4. The CH1 control controls the output level for channels 1 and 2, and Ch3 controls the output level for channels 3 and 4.

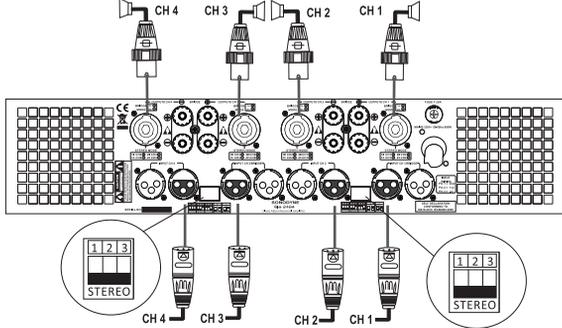


OPERATIONS: 4 CH AMPLIFIERS

9. 4- 4 CHANNEL SPEAKON OUTPUT CONNECTION

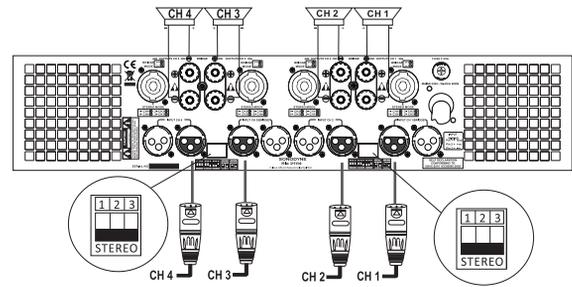
9.2 SPEAKER CONNECTION

Speaker + to PIN 1+
Speaker - to PIN 1



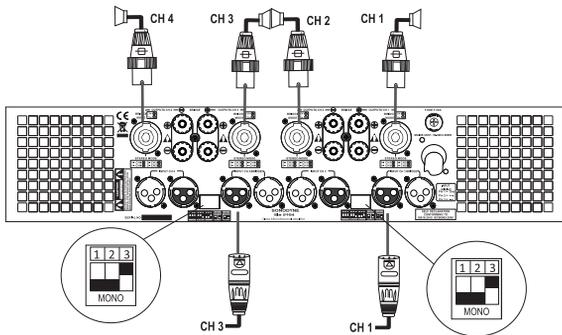
9. 4-4 CHANNEL BINDING POST OUTPUT CONNECTION

STEREO CONNECTION:

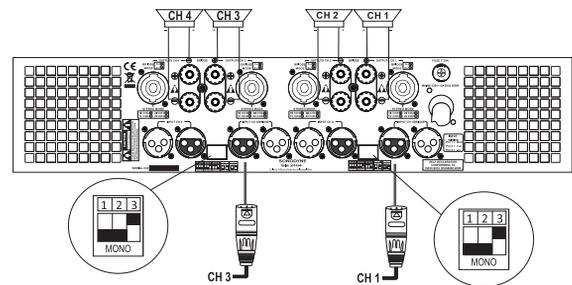


9.2 MONO CONNECTION

Speaker + to PIN 1+
Speaker - to PIN 1-

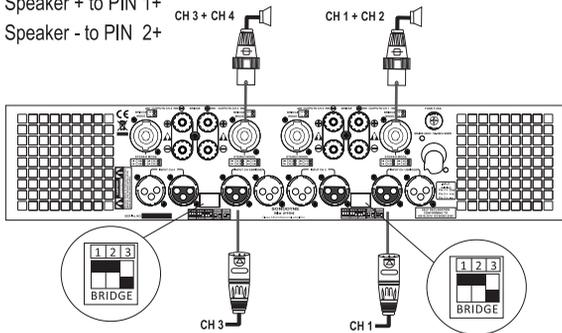


9.5 MONO CONNECTION

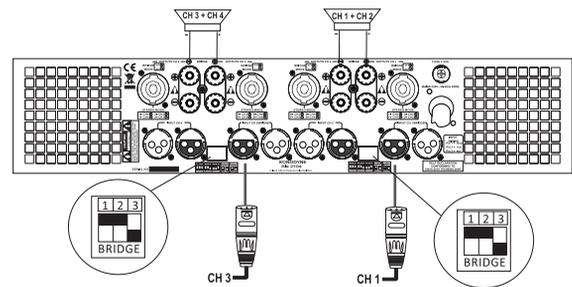


9.3 BRIDGE CONNECTION

Speaker + to PIN 1+
Speaker - to PIN 2+



9.6 BRIDGE CONNECTION



SPECIFICATIONS

	SLA 2003	SLA 2004	SLA 2006	SLA 2008	SLA 2010	SLA 2013	SLA 2015	SLA 2104	SLA 2106
NO OF CHANNELS	2	2	2	2	2	2	2	4	4
OUTPUT POWER PER CH									
8 ohm	300	400	600	800	1000	1300	1500	400	600
4 ohm	450	600	900	1200	1500	1950	2250	600	900
2 ohm	510	680	1020	1360	1700	2300	2550	NA	na
8 ohm BRIDGE	900	1200	1800	2400	3000	3900	4500	1800	1800
4 ohm BRIDGE	1100	1480	2220	3000	3700	4810	5550	NA	NA
THD @ RATED POWER	0.1% or less	0.1% or less	0.1% or less	0.1% or less	0.1% or less	0.1% or less	0.1% or less	0.1% or less	0.1% or less
DAMPING FACTOR	> 300	> 300	> 300	> 300	> 300	> 300	> 300	> 300	> 300
S/N RATIO (20Hz~20kHz)	100dB	101dB	103dB	104dB	105dB	106dB	107dB	101dB	103dB
OUTPUT CIRCUITRY	AB	AB	H	H	H	H	H	AB	H
FREQUENCY RESPONSE	20Hz ~ 20kHz, ±0.5 dB								
INPUT CONNECTORS (EACH CHANNEL)	XLR with link	XLR with link	XLR with link	XLR with link	XLR with link	XLR with link	XLR with link	XLR with link	XLR with link
OUTPUT CONNECTORS	Speakon®, 1/4-inch, Binding posts								
AMPLIFIER AND LOAD PROTECTION	Short circuit, output DC, overheat, RF, internal fault, input overload, high frequency overload, mismatched load, mains inrush current								
FRONT PANEL CONTROLS AND INDICATORS	Clip/protect indicator. 6 steps vol level indicator. 21 detent vol level control								
REAR PANEL CONTROLS	3 DIP switches for stereo, parallel, bridge mode. 2 DIP switches for 0.775V and 1V Sensitivity.								
DIMENSIONS (WxDxH) mm	483x457x88	483x457x88	483x457x88	483x457x88	483x457x88	483x457x88	483x457x88	483x457x88	483x457x88
WEIGHT (Kg)	17	19	21	23	25	27	28	23	26
CERTIFICATION	CE , BIS (IS 616-2010)								

Due to continuous improvements, all specifications are subject to change

SERVICE

This product is tested for durability. Refer to professionally trained service personnel for servicing or repair. Please pay attention to the sign attached to this product:



In order to ensure safe transportation to the repair center, please use the original packing box.



SONODYNE

A product of the Mukherjee Innovation Centre



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