

INSTALLATION & OPERATION MANUAL

inDESIGN

iD-SMA50

ACTIVE TWO WAY STEREO SPEAKER SYSTEM

WITH AUTO STANDBY



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INTRODUCTION

The inDESIGN iD-SMA50 is an active two-way stereo speaker system consisting of one powered and one passive speaker. The speakers are compact, architecturally pleasing and come supplied with adjustable mounting brackets.

Features include Auto Standby, an on-board 25W stereo amplifier, Treble, Bass and Volume controls as well as unbalanced stereo RCA and balanced stereo inputs.

The iD-SMA50 features a 5.25" bass driver, a 1" piezo high frequency tweeter delivering a solid 2 x 25 watts RMS of clear, intelligible power.

The inDESIGN iD-SMA50 powered speakers deliver a new standard of high quality sound reinforcement for a variety of audio and visual applications. Compact and well designed, they are easy to operate and are set to become the standard in many AV installations. The speakers are available in white (iD-SMA50-W) and black (iD-SMA50-B) variants.

Electrical and Safety Warnings

CAUTION

THESE SERVICE INSTRUCTIONS ARE FOR USE BY QUALIFIED SERVICE PERSONNEL ONLY. TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT PERFORM ANY SERVICING OTHER THAN THAT CONTAINED IN THE OPERATING INSTRUCTIONS UNLESS YOU ARE QUALIFIED TO DO SO.



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

CAUTION

**RISK OF ELECTRIC SHOCK
DO NOT OPEN**




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

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRICAL SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.



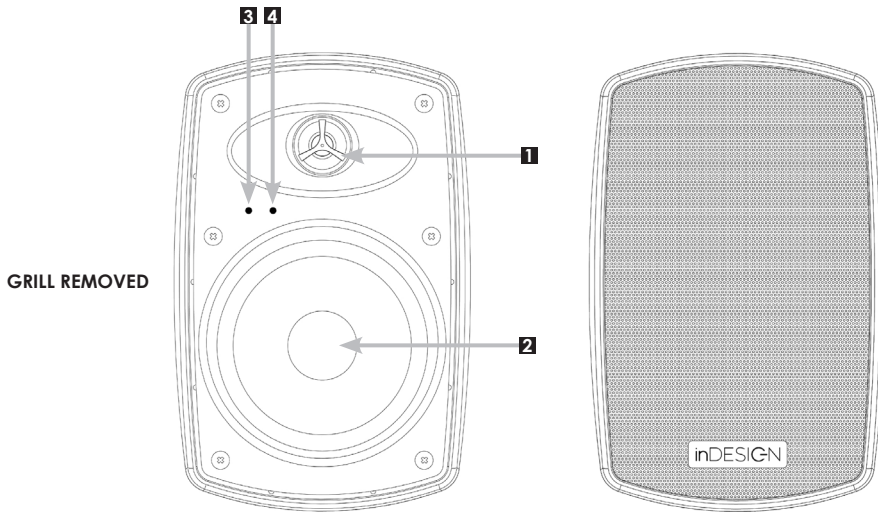
The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. To prevent injury please refer to these instructions for electrical and safety information before installing or operating the apparatus.
6. No naked flame sources such as lighted candles should be placed on the apparatus.
7. Operation of this apparatus is recommended for moderate climates only.
8. This apparatus must not be exposed to dripping or splashing liquid.
No object filled with liquid, such as a vase, should be placed on the apparatus.
9. Clean only with a dry cloth.
10. Do not block any of the ventilation openings. Install in accordance with the manufacturer's instructions.
11. Do not install near any heat sources such as radiators, heaters, stoves, or other apparatuses (including amplifiers) that produce heat.
12. Unplug this apparatus during lightening storms or when not in use for long periods of time.
13.  Protective Earthing Terminal:
The apparatus should be connected to a mains socket outlet with a protective earthing connection.
14. The mains plug/appliance coupler is used as a disconnect device, the disconnect device shall remain readily operable.
15. When not in use and during transportation, please take care of the power cord set, for example, tie up the power cord set with a cable tie/something similar. It should be kept away from sharp edges and the like that can cause abrasion of the power cord set. When put into use again, check that the power cord set is not damaged. If any damage is found, have the unit checked by a qualified service person to replace the power cord set specified by the manufacturer.
16. The terminals marked with symbol of " " may be of sufficient magnitude to constitute a risk of electric shock. The external wiring connected to the terminals requires installation by a qualified service person or the use of ready-made leads or cords.
17. Only use attachments/accessories specified by the manufacturer.
18. Check speaker line load prior to connecting to amplifier using an impedance meter.
19. Refer all servicing to qualified service personnel. Servicing is required if the apparatus has been damaged in any way, such as power-supply cord or plug breakage, damage due to liquid or objects falling onto the apparatus, exposure to rain or moisture, or if the apparatus does not operate normally, or has been dropped.
20.  Correct Disposal of this Product:
This marking indicates that this product should not be disposed of with other household wastes. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental-safe recycling.

WARNING: There are no user serviceable parts inside. Refer all servicing to qualified service personnel.

FRONT PANEL – ACTIVE AND PASSIVE

**1. 1.0" (25mm) Piezo Tweeter****2. 5.25" (133mm) Bass Driver****3. Status LED**

Green LED = Power on

Red LED = Sleep/standby mode

Sleep mode will occur 2:30 mins after no audio signal is present. Introducing audio signal into the system will bring the system out of sleep mode. Use the included remote control to defeat this feature if required.

Blinking RED LED = System is muted

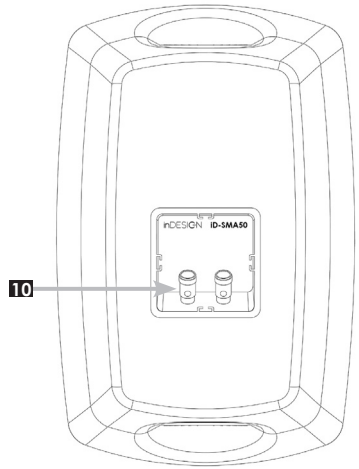
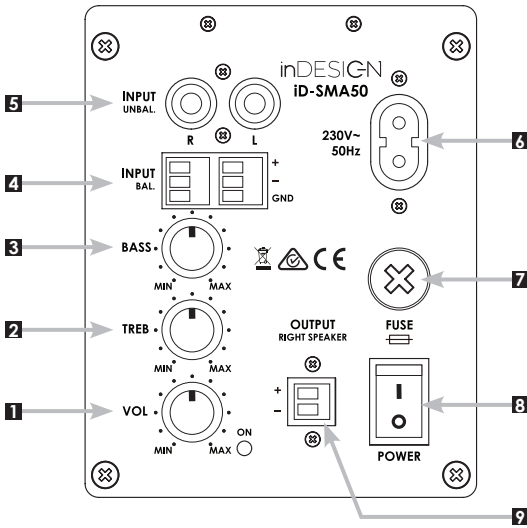
This feature is enabled/disabled via the included remote control.

4. Remote control infra-red receiver

REAR PANEL – ACTIVE AND PASSIVE

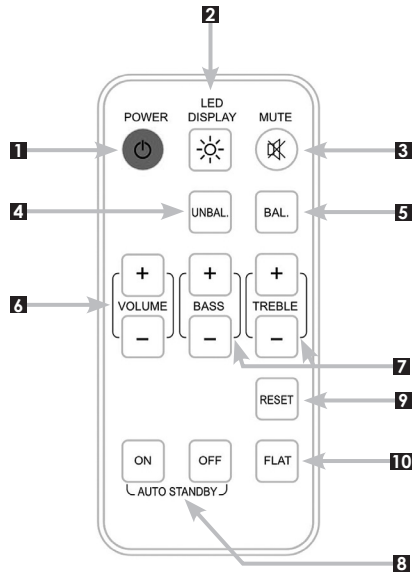
ACTIVE

PASSIVE



1. **Volume Control:** Provides adjustment of the volume level of the active speaker system. Pressing the Volume knob in will allow you to choose either unbalanced or balanced inputs
2. **Treble:** Allows you to adjust the high frequency response of the system.
3. **Bass:** Allows you to adjust the lower frequency response of the speakers.
4. **L/R Inputs:** Balanced audio input - Euroblock connectors. Pay particular attend to the polarity of the connections.
5. **L/R Inputs:** Unbalanced stereo RCA inputs (Left and Right).
6. **Power Connection:** Insert included main cable into the power socket.
7. **Fuse Holder:** Always ensue that a 1 A 250vac slow blow fuse is used.
8. **Power On/Off Switch:** The power switch turns the speaker systems mains supply on and of. When the system is switched on a Green LED will light on the front panel. When the LED is RED the system is in sleep mode. Sleep mode will occur 2:30mins after no audio signal is present. Introducing audio signal into the system will bring the system out of sleep mode. A blinking red LED light indicates the system is in mute mode. Use the remote control to un-mute the system.
9. **Speaker Output 8 ohm:** Connection to the passive 8 Ohm external speaker is provided through a two-pin terminal socket which comes fitted with a removable screw terminal plug. The passive speaker becomes the right whilst the left channel is the active speaker. Connect the supplied figure-8 or a similar speaker cable between active and passive speaker. Be sure that the + of the main unit socket is connected to the + (red terminal post) of the passive loudspeaker and the - of the main unit is connected to the - (black terminal post) of the passive speaker. Never connect the active Speaker Output terminal to an external speaker that is not the correct 8 Ohm impedance.
10. **Passive Speaker Termination:** Terminate you speaker cable to the colour coded spring terminals. Take care when connecting the active speaker to the passive speaker, that both are wired in the same polarity.
 Red Terminal = positive (+)
 Black Terminal = negative (-)

REMOTE CONTROL



1. **POWER:** on/off. The green LED display lights up when the unit is on. When off, no LED is displayed.
2. **LED DISPLAY:** turn on/off the LEDs while the unit is operating. When restarting the unit, this function returns to its default value: LEDs on.
3. **MUTE:** The red LED blinks on and off when the unit is muted.
4. **UN BAL:** select the stereo unbalanced RCA input as the audio input source.
5. **BAL:** select the stereo balanced Euroblock input as the audio input source.
6. **VOLUME:** increase/decrease the volume in 1 step (range available in 0-36 steps). This only operates when the unit is on.
7. **BASS & TREBLE:** increases/decreases by 1 dB (range available of -7 to +7dB) in bass/treble.
8. **AUTO STANDBY:** keep pressed (for 2 secs.) to activate/deactivate the auto standby function. If this is activated, after 2'30" with no audio in the inputs and if the remote controlled is not used, the unit will switch to standby mode.
9. **RESET:** keep pressed (for 2 secs.) to reset the system to its default values: Sleep/Standby mode ON, volume= 30 bass; treble = 0.
10. **FLAT:** keep pressed (for 2 secs.) to reset the system to its default equalizer values: bass= 0; treble= 0.

MOUNTING

When mounting iD-SMA50 speakers the following safety issues must be considered.

The mounting of a permanently installed speaker may be dangerous unless undertaken by a **qualified professional with relevant experience**.

Walls and mounting surfaces must be capable of supporting the speaker and bracket in a safe and secure manner.

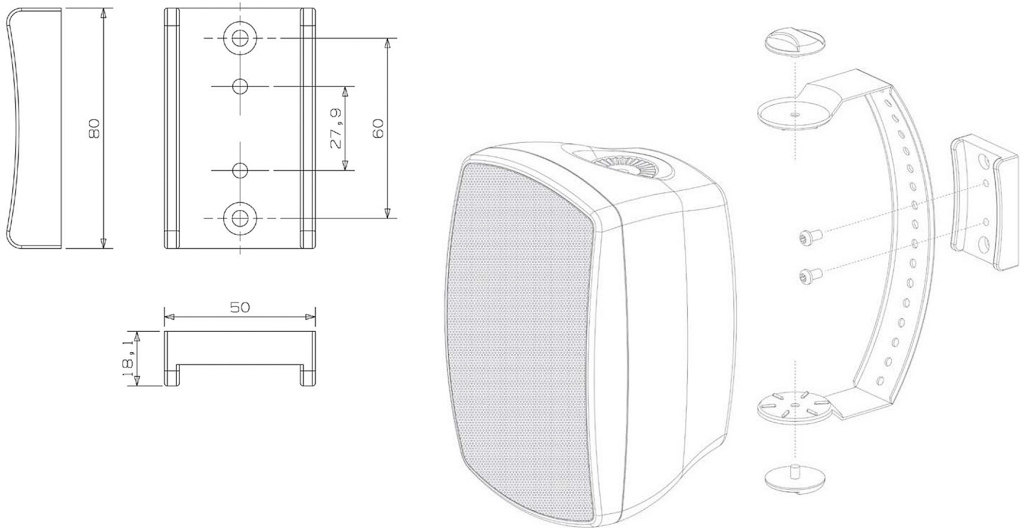
All fixings must be safely attached to the speaker cabinet and the mounting surface.

All fixings must be installed in accordance with the manufacturer's instructions and specifications.

Mounting Brackets

The iD-SMA50 speakers are supplied with vertical wall mount U-brackets. The brackets allow users both pan and tilt to position the speaker correctly.

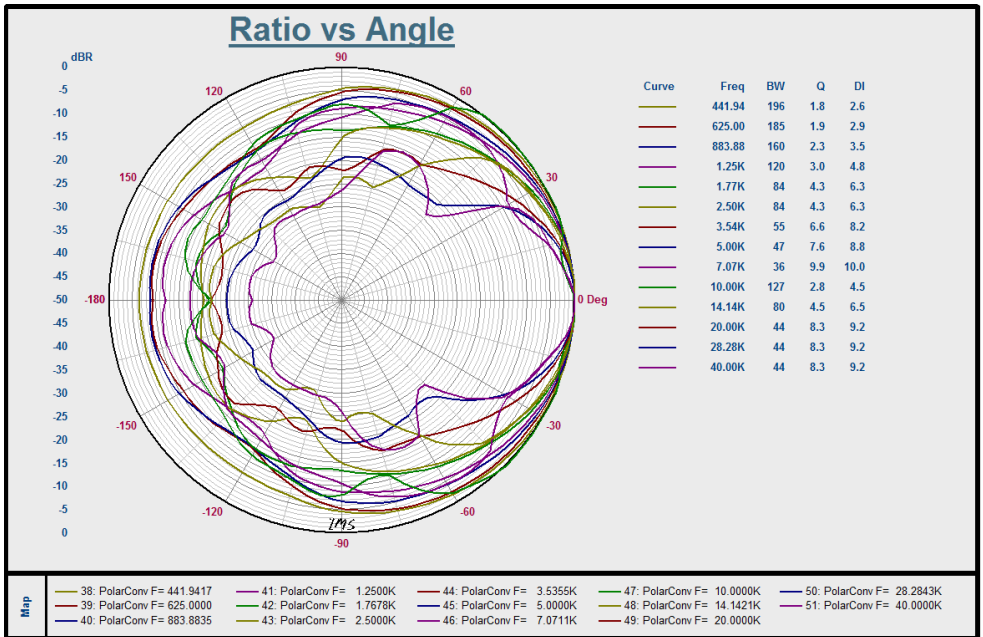
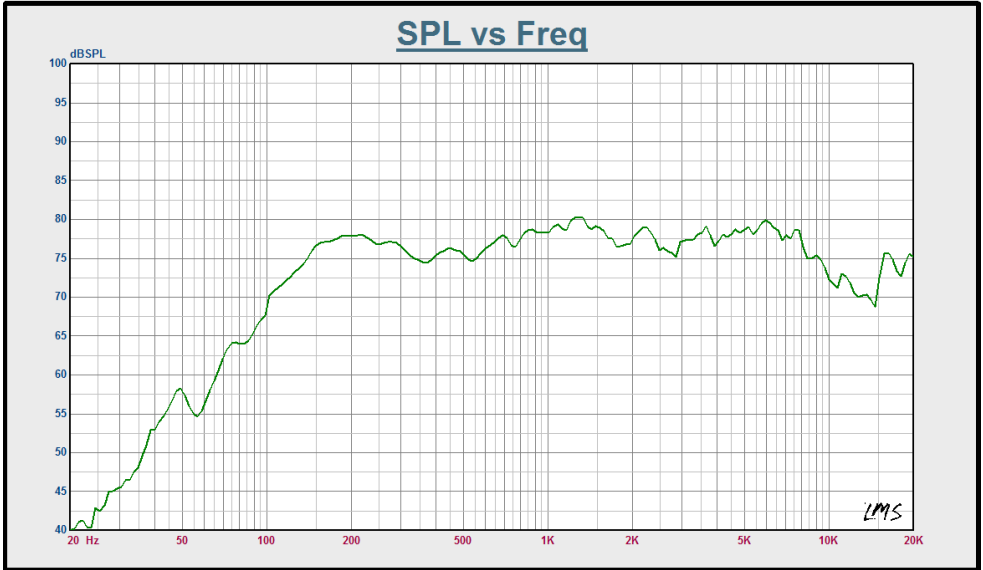
Slots for mounting the brackets are spaced 60mm apart. The design of the slots allows for the bracket to be easily mounted and removed. Simply secure the bracket at the appropriate tilt angle to the wall using suitable fittings but always ensure that they are fit for purpose. Once the bracket is secure, mount the speaker to the bracket and connect wiring.



SPECIFICATIONS

SPEAKER SYSTEM	2 WAY ACTIVE SPEAKER, 2 WAY PASSIVE SPEAKER
Power (Continuous)	2x 25 Watts
Auto Standby/Sleep Function	YES
Impedance	8 ohm
Sensitivity	89dB
Calculated Max. SPL (Per Speaker)	100dB
Frequency Response (-3 dB)	45Hz-20kHz
Frequency Response (-10 dB)	40Hz-22kHz
Speaker Components	Woofer: 133mm (5.25") Polypropylene Tweeter: 25mm (1") Piezo
Dispersion -6dB (H x V)	60 x 90
Mains Power Requirement	230VAC, 50Hz, 50W
Each Speaker Dimension (W x H x D)	163 x 252 x 163 mm (6.5" x 10" x 6.5")
Box (Pair) Dimensions (W x H x D)	420 x 275 x 195 mm (16.5" x 10.8" x 7.7")
Weight	Active Speaker: 3kg (6.6lbs) Passive Speaker: 2kg (4.4lbs)
Gross Weight per Pair (Box)	6.8kg (13.4lbs)
Accessories (Supplied)	Active Speaker Passive Speaker Wall Brackets (Pair) 3 metre Speaker Cable 1.5 metre Main Cord Instruction Manual Remote Control!

*** Disclaimer:** Instructions and specifications are correct at time of printing.
Information within may be subject to change without notice.



WARRANTY INFORMATION – Terms of Warranty – 5 Years

Consumer Guarantees

When you purchase a NAS Solutions distributed product, you have the peace of mind in knowing that your product is covered by the NAS warranty. The NAS warranty is provided by NAS Solutions (ABN 50 085 679 894), 127 Merrindale Drive, Croydon, Victoria 3136. ['NAS']

The Australian Consumer Law protects consumers by giving them certain guaranteed rights when they buy goods and services. Rights guaranteed under the Australian Consumer Law include;

- The goods are of acceptable quality;
- The goods match their description or any sample or demonstration model;
- The goods are fit for any represented purpose or purpose which the consumer has made known;
- Repairs and spare parts are reasonably available (unless notice has been provided that repairs or spare parts would not be available); and
- The services are carried out with reasonable care and skill and are completed within a reasonable time

These rights are called 'Consumer Guarantees' and apply automatically whenever goods or services are supplied to a consumer. These Consumer Guarantees cannot be refused, changed or limited.

Consumer Guarantees have no set time limit and depending on the price and quality of goods a Consumer may be entitled to a remedy after any manufacturers' or NAS's extended warranty has expired.

The Specific Warranty Table Information outlines the warranty period, warranty type and any specific exclusions for your NAS product. NAS considers the warranty period specified in the Specific Warranty Table to be a reasonable warranty period having regard to the price, design, manufacture and expected use of the product.

General Warranty ('Warranty')

NAS products come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure or if the goods fail to be of acceptable quality. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and failure does not amount to a major failure. What constitutes a major failure is set out in the Australian Consumer Law.

Subject to the terms and conditions set out below, and unless otherwise specified in the Specific Warranty Information for your NAS product, NAS agrees to repair or replace, at NAS's cost, the NAS product purchased by you in Australia or New Zealand from NAS or a NAS authorised reseller when the product does not perform substantially in accordance with the specifications during the warranty period specified in the Specific Warranty Table for your NAS product. NAS makes no other express warranties in respect of your NAS product. To make a claim under this Warranty, valid proof of purchase must be presented when the warranty claim is made, along with any other required information. The Warranty offered by NAS is not transferable.

The Warranty will only apply if your NAS product has been installed and used in accordance with NAS's recommendations as noted in the operating instructions.

Warranty Exclusions

The Warranty does not cover damage caused by;

- Misuse or abuse of the product by You;
- Incorrect operation or not following the operation instructions (as noted in the operating instructions);
- Improper installation;
- Incorrect or improper maintenance or failure to maintain the product;
- Failure to clean or improper cleaning of the product;
- Incorrect voltage or non-authorized electrical connections;
- Adverse external conditions such as incorrect or fluctuations in electrical voltage, thunderstorm activity, acts of God, acts of terrorism, damage caused by vermin, or any other circumstance beyond NAS's control;
- Exposure to excessive heat, moisture or dampness;
- Exposure to abnormally corrosive conditions;
- Alterations or modifications to the product made by You or a third party; or
- Damage as a result of accident, liquid, grit, impact or lack of proper care as indicated in the operating instructions;
- Damage resulting from the use of cleaning solvents such as acetone

The Warranty does not apply if any serial number or appliance plate on the product has been tampered with, removed or defaced.

The Warranty does not apply if the product has been repossessed under any financial agreement.

The Warranty excludes accessories and consumable goods which have ceased working through normal wear and tear such as, but not limited to, batteries, lamps and other parts classifiable as a consumable part.

This includes the CD mechanism and laser fitted to the inDESIGN iDCDP-110.

These parts carry a 3 month warranty.

The Warranty does not cover the loss of any data howsoever caused. You shall be responsible for backing up and protecting data against loss, damage or destruction.

Products presented for repair may be replaced by refurbished products of the same type rather than being repaired. Refurbished parts may be used to repair the products. Replacement of the product or a part does not extend or restart the Warranty Term.

The product will be at the owner's risk whilst in transit to and from all NAS authorised service centres, unless transported by NAS or its authorised representatives.

NAS and its authorised service centres may seek reimbursement of any costs incurred by them when the product is found to be in good working order.

The cost of claiming under this warranty, including return of any product to NAS is to be borne by the consumer.

The Warranty excludes removal or reinstatement costs.

*** All inDESIGN products come with a 5 year warranty term.**

For further information and warranty claims, refer to our **Support** page at **www.nas.solutions**