FLUANCE®

Ai41 - Powered Bookshelf Speakers
Manual v1.1

Serious Performance™

Fluance.com

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Introduction

Thank you for your purchase of your Fluance product. We hope you enjoy your experience. If you have any questions please visit us at:

Fluance.com/support

Fluance believes everyone should experience audio in its truest form, recreating the performance the way the artist intended. Utilizing only superior components and expert audio engineering, their prod ucts are a testament to the performance that can be achieved when a passion for music takes center stage. The perfect complement to any audiophile's lifestyle, you'll be enjoying live performances in your home for years to come.

Break-in Period

Our speakers have a Butyl rubber ring surrounding the cone. The break-in period allows the rubber to loosen and stretch, allowing the cone a larger range of movement, resulting in better sound reproduction. We recommend 10-12 hours of play at moderate volume to achieve this.

Online Resources

For videos on the full setup and configuration of your speakers visit us at:
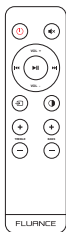
Fluance.com/resources

What's Included
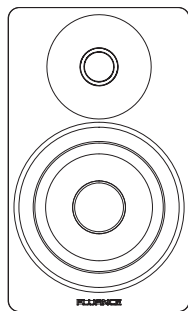
Ai41 Passive
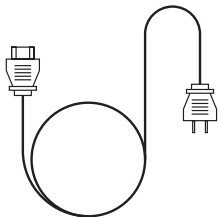Speaker
(Left Channel)
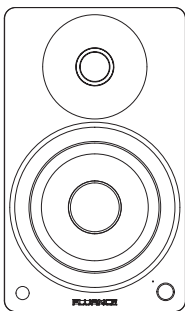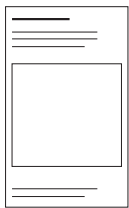
Ai41 Active
Speaker
(Right Channel)

Remote
Control

2 'AAA'
Batteries

Power
Cable

Speaker
Wire

Quick Start
Guide

Lifetime
Customer Support
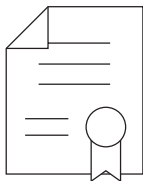
2 Year
Warranty

Front & Back Panel Layout

Active Speaker - Front

1. Control Knob
   - Volume
   - Input Selection
   - Power ON/OFF

2. Source LED
   - Blue (Solid) - Bluetooth® Paired
   - Blue (Flashing) - Bluetooth® Pairing
   - Green (Solid) - RCA
   - White (Solid) - Optical
   - Red (Solid) - Standby Mode
   - Red (Flashing) - Mute
   - Red (Flash x2) - Volume Set to Max
   - Red (Flash x2) - Bass/Treb Set to -5 or +5
   - Blue/Green/White (Flash x2) - Bass/Treb Set to 0

3. IR Sensor
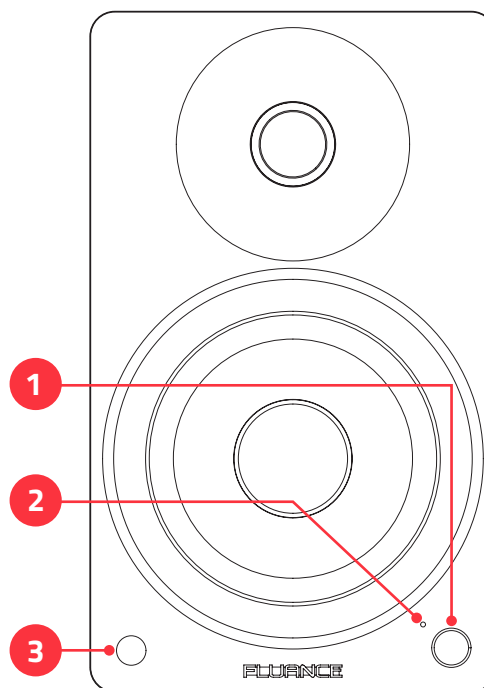
Active Speaker - Back

4. Bluetooth® Reset Pairing
5. Optical Input
6. RCA Input
7. Subwoofer Output
8. Left Speaker Output
9. DC Input
10. Power Switch
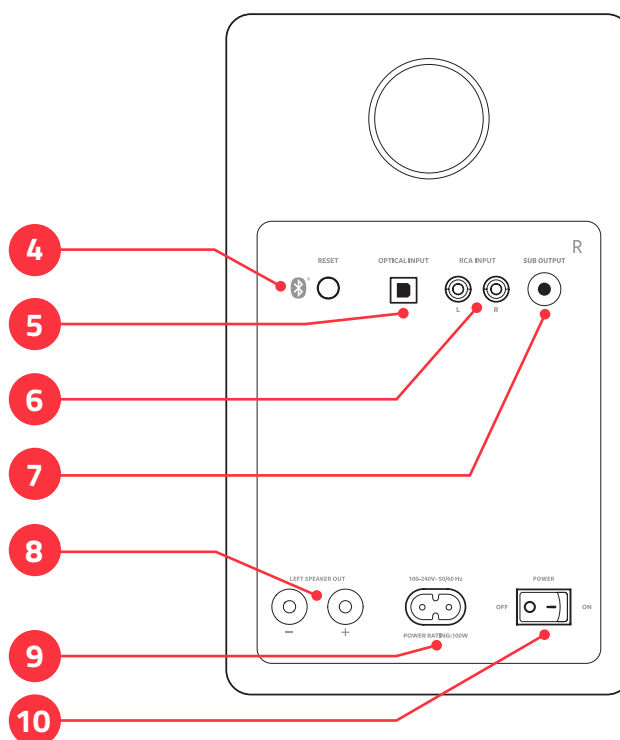
Passive Speaker - Back

11.   Speaker Input
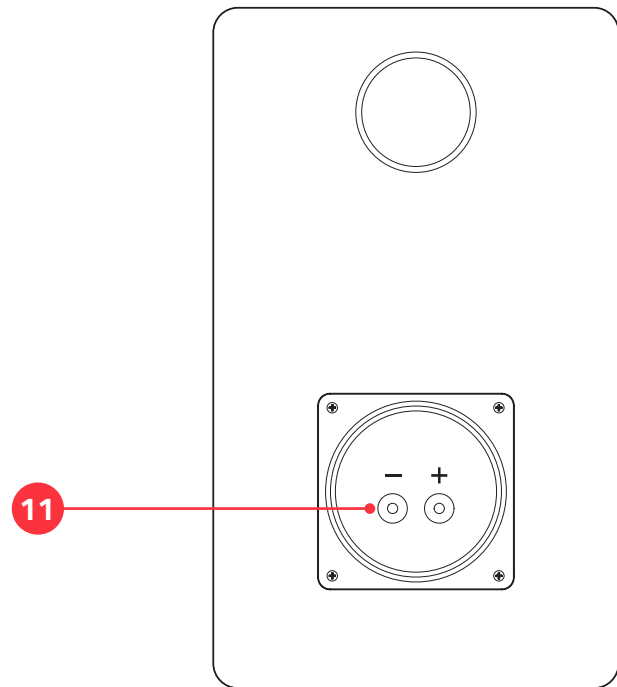
Remote Control Layout

1.   Power ON/OFF
2.   Volume UP/DOWN
3.   Source
4.   Treble UP/DOWN
5.   Mute
6.   Play/Pause & Bluetooth Pairing Reset*
     *To enable Bluetooth Pairing Reset, press + hold for 3 seconds.
7.   Forward/Back
8.   LED Brightness - (100% > 25% > OFF)
9.   Bass UP/DOWN

Product Setup

1. Position the speakers with the Active Speaker on the right and the Passive Speaker on the left.

Passive Speaker   Active Speaker

> NOTE: If placing the speakers in a cabinet or on a shelf, position the front of the speakers as close as possible to the front edge of the shelf for optimum audio performance.

2. Connect one end of the speaker wire to the binding posts on the back of the Active Speaker and connect the other end of speaker wire to the binding posts on the back of the Passive Speaker.
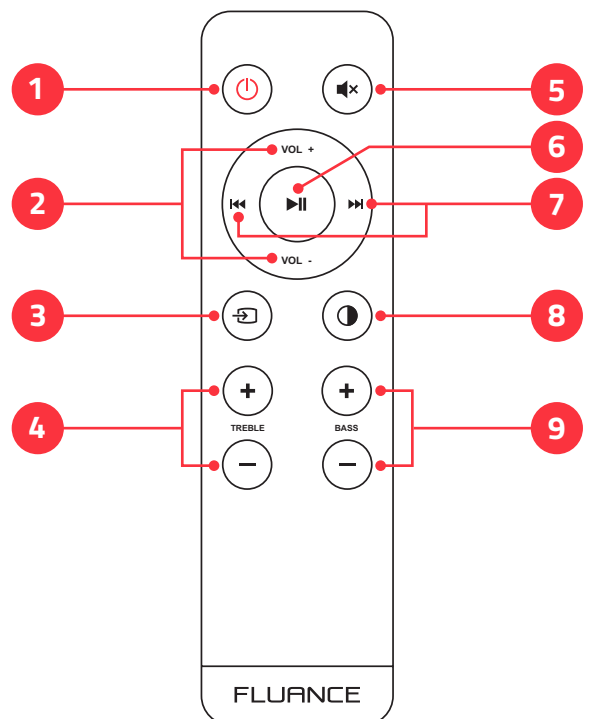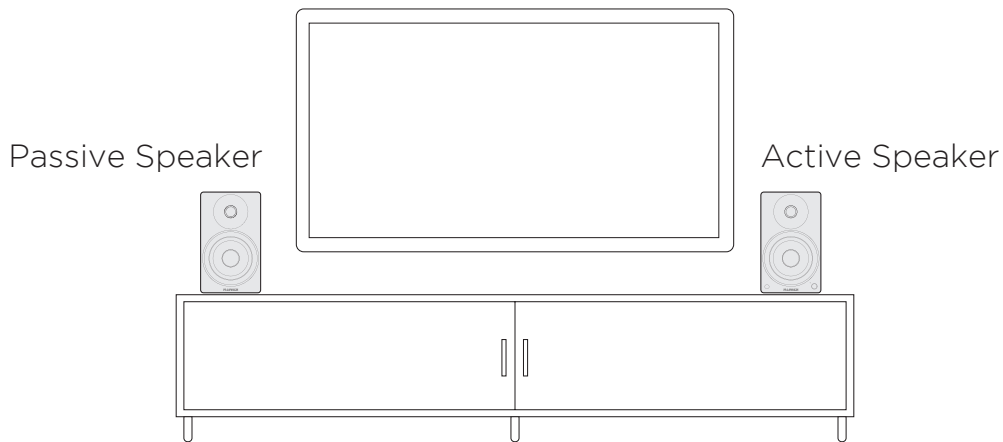   *IMPORTANT: Ensure the same color wire is connected to the same color binding posts on each speaker.*

> NOTE: The included speaker wire is 8ft. If placing your speakers further than 8ft apart it is recommended to use standard 18 gauge speaker wire to connect the speakers over the longer distance.

3. Connect the power adapter to the back of the Active Speaker and set the power switch to the ON position.
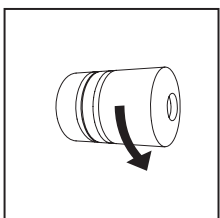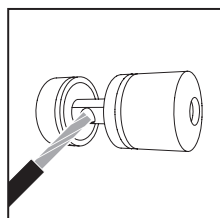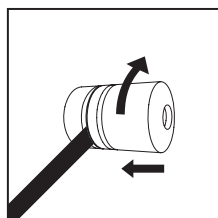
Loosen the   Insert speaker   Tighten the
binding post   wire through hole   binding post
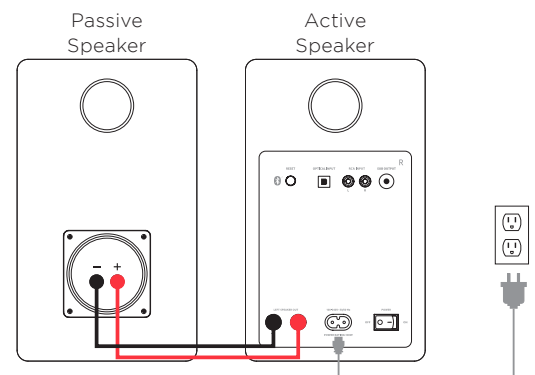
Turning On/Off Unit

Press the Control Knob to turn on
the unit. Hold to turn off the unit.
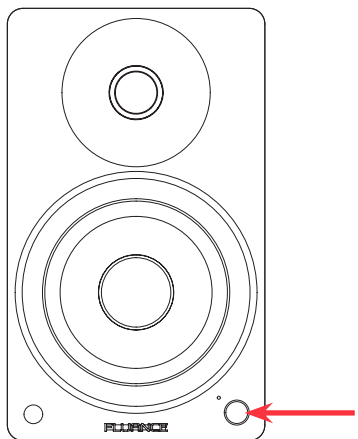
Press ⏻ on the Remote to turn
the unit on/off.

OR
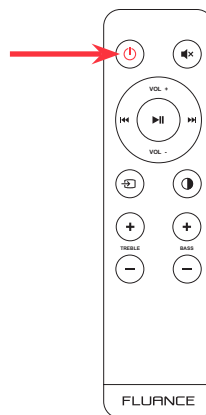
Source Selection

Press the Control Knob to cycle through
the audio inputs.
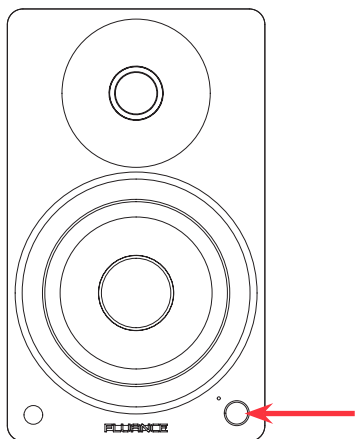
Press ⊡ on the remote to cycle
through the audio inputs.

OR
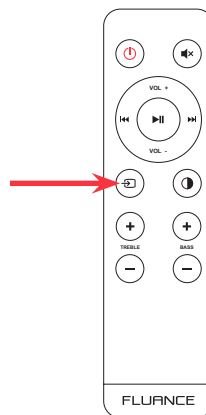
The Source LED will show the below color for each source:

(Blue) Bluetooth   (Green) RCA   (White) Optical

RCA Input

1. Connect the RCA cable to your source device (Turntable, Smartphone, Computer...).

2. Connect the other end of the RCA cable to back of the Active Speaker.
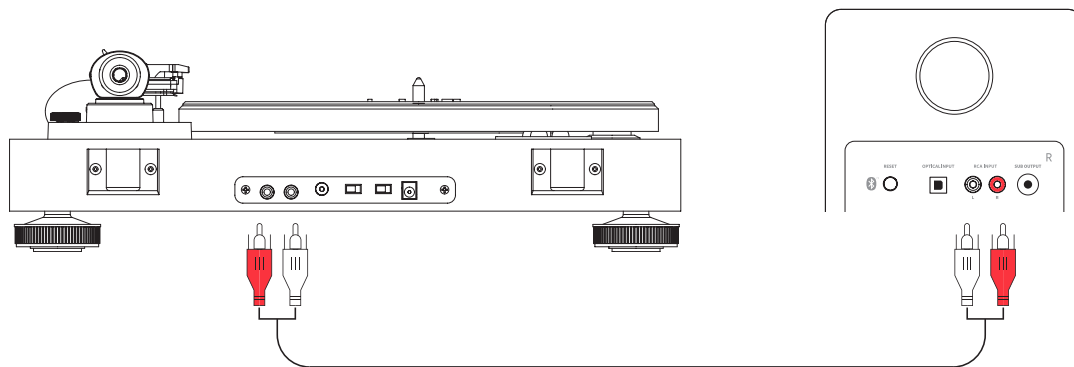
*RCA to RCA cable not included

3. Press the Control Knob to select the RCA input (Green LED).

4. Adjust volume on Ai41 as well as source device.
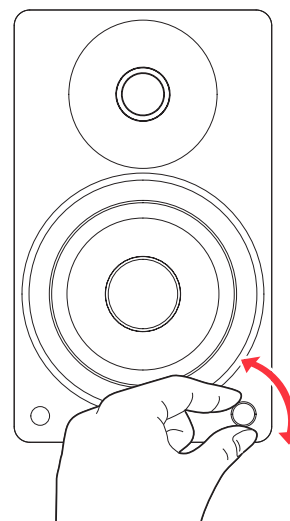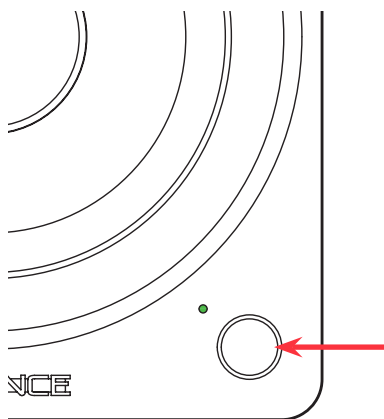
NOTE: When connecting a turntable to the Ai41, a phono preamplifier (preamp) must be used. Some turntables include a built-in preamp but others, without one, would require an external preamp.

Visit Fluance.com for more information on our phono preamplifier, the PA10.

Bluetooth® Pairing

1. Press the Control Knob to select the Bluetooth input (Blue LED).

2. Pair to "Fluance Ai41" on your source device.

Settings

Bluetooth

MY DEVICES

Fluance Ai41
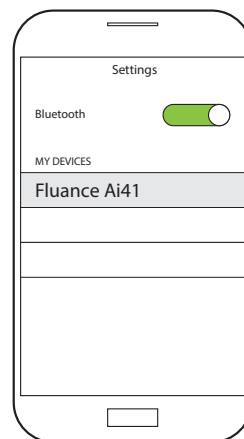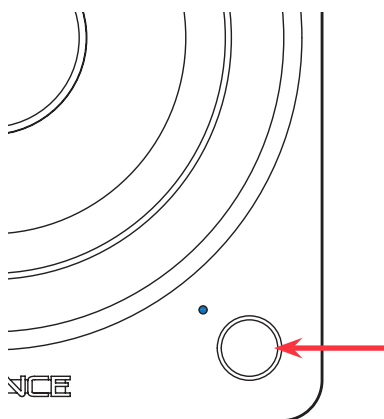
NOTE: Unit will attempt to auto-pair to the last paired device.

3. Use the Remote to control playback on your source device.

NOTE: Adjust Volume on the source device as well as the Ai41.

VOL +

VOL -

4. If your device cannot find "Fluance Ai41", you can reset Bluetooth pairing:

- Press and hold ▶‖ for 3 seconds to reset Bluetooth pairing.

OR

- Press the Bluetooth Pairing Reset Button on the back of the unit.

NOTE: How you access your device's Bluetooth settings may vary from one manufacturer to another. Maximum line of sight for Bluetooth range is 33ft. Obstacles may decrease transmission distance.
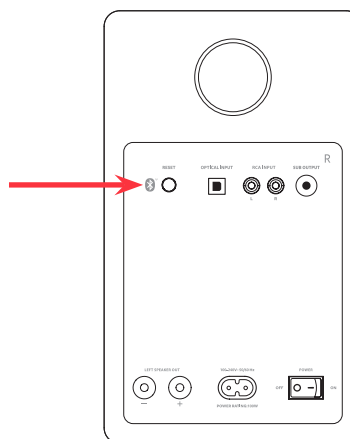
Optical Input

1. Connect the Optical cable to your source device (TV, Computer, Game Console...). Ensure protective caps are removed from the ends of the Optical cable.

2. Connect the other end of the Optical cable to the back of the Active Speaker.

Optical cable not included
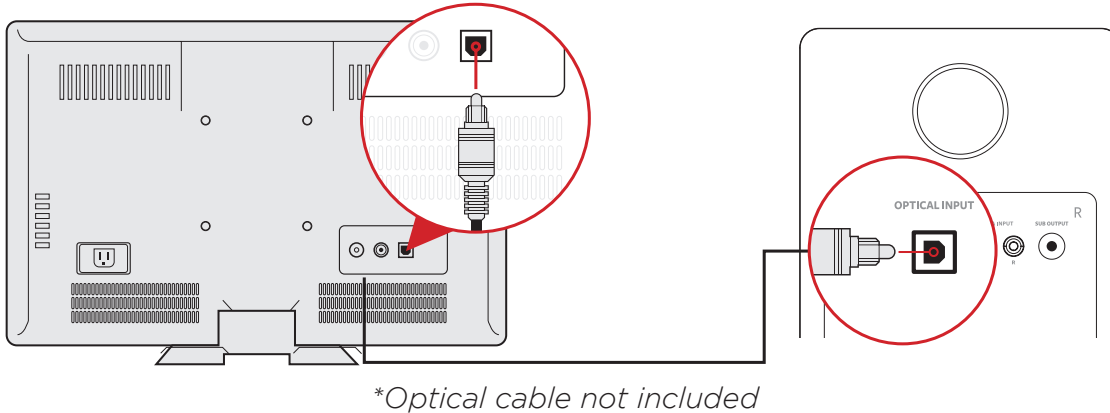
3. Press the Control Knob to select the Optical Input (White LED).

4. Adjust the volume on Ai41 as well as source device.
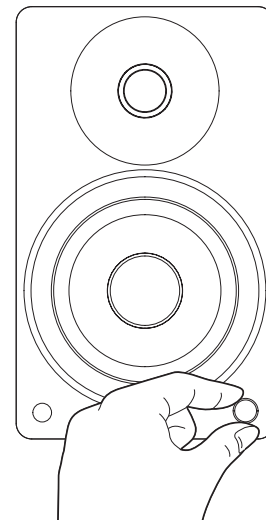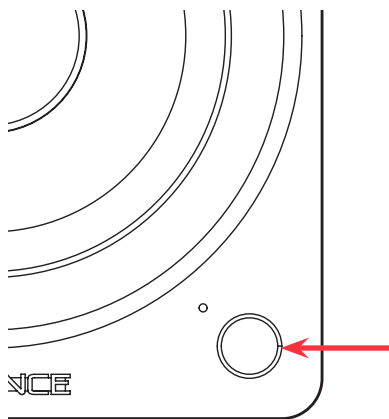
Optical Audio Signal Compatibility

The Ai41 does not support Dolby Digital Audio or DTS Audio. Locate the audio output settings on your source device and ensure Dolby Digital is turned off. The correct audio output setting is commonly referred to as PCM or Stereo.

Some TVs also require that audio output be enabled. This setting may be referred to as External Speakers. Ensure this is selected as your speaker/audio output.

For instructions on a specific device, please consult the device's user manual.

Subwoofer Output

IMPORTANT: When a subwoofer cable is connected, the Ai41 will automatically cut frequencies below 80Hz to optimize performance. The subwoofer cable must be removed to resume full frequency playback.

1. Connect the Subwoofer cable to your powered subwoofer.
2. Connect the other end of the Subwoofer cable to the back of the Active Speaker.
3. Adjust the volume on the Subwoofer for the best listening experience.

*Subwoofer cable not included

Fluance offers matching subwoofers for the ultimate audio experience.
For more information visit:

Fluance.com/subwoofer

Volume Adjustment

Turn the Control Knob or use the Remote to increase or decrease volume.

EQ Adjustment

Use the Bass/Treble buttons on the Remote to adjust each from -5 to +5.

LED Behavior:

🔴   Red (Flash 2x) – Bass/Treble Set to -5 or +5

🔵   Bluetooth: Blue (Flash 2x) – Bass/Treble set to 0*

🟢   RCA: Green (Flash 2x) – Bass/Treble set to 0*

⚪   Optical: White (Flash 2x) – Bass/Treble set to 0*

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*NOTE: The Status LED will flash the input color when Bass/Treble is set to 0.

Adjusting Source LED Brightness

Use the LED Brightness Button ◑ on the Remote to cycle between 100%, 25%, and OFF brightness levels.

NOTE: When set to OFF, the LED will turn on for 5 seconds when power is turned on or new Source is selected, before turning off again.

Frequently Asked Questions

What is ″auto-pairing″ and how does it work?
Auto-pairing is a convenient connection feature included in all Fluance Bluetooth® Speakers. If the connected Bluetooth®-enabled device leaves the connection range of the Ai41 and returns at a later time, the device will automatically connect. If the device's Bluetooth® function is disabled and then enabled at a later time, the device will automatically connect as well.

*Note: The Fluance Ai41 will only auto-pair to the last device that it was connected to.

How do I change the source on my Fluance Ai41?
Press the Control Knob or use the Source button on the Remote Control. The LED will change to the Source LED color (Blue/Green/White).

How do I adjust the Volume on my Fluance Ai41?
Turn the Control Knob or use Volume buttons on Remote Control. The LED will flash Red at Max.

How do I adjust the LED Brightness?
Use the LED Brightness Button on the Remote to cycle between 100%, 25%, and OFF brightness levels.

Another Bluetooth® device is connected to my Fluance Ai41 and I want to connect my device.
You can reset any Bluetooth® connection by pressing the Bluetooth® Pairing Reset button
on the back of the Active Speaker. You can also press and hold "Play/Pause" on the Remote for 3 seconds.

What RCA devices can be connected to the Ai41?
Any RCA device will work with the Ai41. Common devices would be TV's, Turntables, Smartphones, or Tablets.

How can I increase the volume when using the Ai41 with a turntable?
If turntable audio is too quiet you may need to add a preamplifier. Some turntables have built in preamps which can be turned on or off. The Fluance PA10 preamplifier is a great match for Fluance powered speakers and turntables.

Why is the volume from each input different on the Ai41?
Ensure that any volume and EQ settings on your source devices are set to similar levels. The different signal types used by each input means they are processed differently by the Ai41. The Optical Input uses a digital signal while the RCA Input uses an analog signal. These differences can result in slight variances in the output volume of the Ai41.

How do I stop screeching or high pitch noise when using Optical Input?

Confirm the optical cable is fully inserted on both ends. Also, ensure that the source device's audio output format is set to PCM or Stereo.

Troubleshooting

No Power

- Ensure the LED Brightness is not set to OFF
- Check all connections on power adapter and ensure fully inserted

No Audio

- Check volume on Ai41 and ensure it is above 0
- Check volume on source device and ensure it is above 0
- Confirm Ai41 is set to correct source
- Ensure all cables are connected properly and fully inserted

No Audio from Passive Speaker

- Check speaker wire connections between speakers and ensure securely connected to binding posts

Poor Audio

- Ensure the colored wires are connected to the corresponding colored binding posts on each speaker
- Test with another audio source device to determine source of issue

Hissing Noise

- Ensure the colored wires are connected to the corresponding colored binding posts on each speaker
- Test using different RCA or optical cables
- If using with a turntable, ensure the ground cable is connected properly

Specifications

SPEAKER CONFIGURATION	2 Way – 2 Driver Bookshelf Speaker System with Integrated Amplifier
BLUETOOTH	Yes; BT 5.0
INPUTS	RCA, Bluetooth, & Optical
TWEETER	1 inch Silk Soft Dome Ferrofluid Cooled
WOOFER	5 inch Woven, Glass Fiber Composite Drivers with Butyl Rubber Surrounds
AMPLIFIER POWER	Class D 90 Watts Continuous Average Output (2x 45 watts)
FREQUENCY RESPONSE	35Hz – 20KHz (DSP Virtual Sound)
CROSSOVER FREQUENCY	2800Hz Phase Coherent 12dB/Oct – PCB Mounted Circuitry
TOTAL HARMONIC DISTORTION (THD)	<0.3% (THD+N 1%)
POWER	Input: 100-240V 50Hz/60Hz
SPEAKER WEIGHT	Active Speaker: 8.52 lbs (3.86 kg) Passive Speaker: 7.44 lbs (3.37 kg)
DIMENSIONS (HxWxD)	10.9 x 6.5 x 7.6 inches 27.7 x 16.5 x 19.3 cm

Certification Information

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body. The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

IC Warning

This device complies with Industry Canada license-exempt RSS standard(s).
Operation is subject to the following two conditions:
(1) This device may not cause interference, and
(2) This device must accept any interference, including interference that may cause
undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils
radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:
(1) l'appareil ne doit pas produire de brouillage, et
(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le
brouillage est susceptible d'en compromettre le fonctionnement.

Changes or modifications not expressly approved by the party responsible for compliance
could void the user's authority to operate the equipment. This equipment complies with IC
radiation exposure limits set forth for an uncontrolled environment. This equipment should
be installed and operated with minimum distance 20cm between the radiator & your body.
This transmitter must not be co-located or operating in conjunction with any other antenna
or transmitter.

Warranty Information

Thank you for choosing Fluance! We guarantee your investment in our products is a solid
one. High performance components combined with quality craftsmanship allow us to
maintain the highest possible production standards.

All items are guaranteed against defects in materials and craftsmanship. Fluance has
outstanding quality control; if something should go wrong with any of our products, we will
repair it free of charge within the warranty period. If the product cannot be repaired, we will
replace the product. If the product has been discontinued, we will replace the product with
either the newest version of said product or current equivalent. In the event that Fluance
replaces a product under warranty, the replacement would only carry the original warranty
from the original date of purchase.

Warranty Period

The Fluance products below are warrantied for parts and labor for the stated period from
date of original purchase, and are subject to the terms and conditions of the warranty. Any
refurbished products that are discontinued hold a 90 day warranty from the date of original

purchase. Fluance warranties are valid for the original owner and are non-transferable.

Home Audio Passive Speakers: Lifetime Warranty
Active or Powered Speakers: Two Year Warranty
HiFi Turntables: Two Year Warranty
Batteries (For Powered Speakers): One Year Warranty

Warranty Exclusions

- Products purchased from a dealer not authorized by Fluance.

- Products with the serial number defaced, altered or missing.

- Defects resulting from disaster, accident, abuse, misuse, lightning, power surges, neglect, unauthorized modification or water damage.

- Defect or damage as a result of repairs performed by a person or party not authorized by Fluance.

- Defects or damage occurring during shipping (claims should be made with the shipping company).

- Defect or damage as a result of connecting a product to an outlet with the incorrect voltage. Voltage converters must be used where applicable.

- Consumable parts including, but not limited to, batteries, styli, and rubber belts.

To Obtain Warranty Service

Should your product require warranty service, please contact us at www.fluance.com/ contact or call us at 1-888-617-6863 to set up a Return Authorization. Products returned without a valid Return Authorization number will be refused.

Fluance products must be returned in their original packaging. Our products are packaged specially to protect them from any damage during shipping, and without this packaging the return shipment could get damaged.

This warranty does not cover the shipping cost, insurance, or any other incidental charges. Products shipped for warranty service must be pre-paid by the customer, and Fluance will cover the cost to ship the repaired or replaced product back to the customer.

Thank you for your purchase of this Fluance® product.
We hope you enjoy your experience.

Questions?
Give us a chance to help, we're just a click away.

Fluance.com/resources   Fluance.com/support

Fluance.com/videos   Fluance.com/contact

Don't forget to register your product with us!
Fluance.com/registration