Arylic

LA50

User's Manual

Wireless Streaming Amplifier

Spotify | Spotify | TIDAL connect | Works with Apple AirPlay | works with Google Cast

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1. Introduction

The LA50 is a wireless streaming amplifier offering multiple streaming options, including AirPlay, Google Cast, Spotify Connect, and TIDAL Connect. It provides wireless music control and supports multiroom/ multizone streaming. With powerful amplification, it delivers 50W*2 at 4Ω. The LA50 also features TV eARC input, analog input and output, subwoofer output, and is expandable to control ambient smart lighting, syncing light effects with music beats. It's the ultimate streaming solution for adding wireless streaming to your existing home audio system.

Before You Go

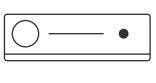
"Please read the following instructions carefully before setting up the LA50 Wireless Streaming Amplifier."

- Be careful not to drop the device to avoid internal damage.
- Do not disassemble the device.
- Keep magnetic materials away from the device to prevent any damage to data.
- Do not expose devices to oil, dust, water, high humidity or smoke.
- When cleaning, use only soft cloth. Keep out of contact with water or other liquids.
- All servicing must be performed by a qualified representative or the warranty will be voided.
- Unplug power cord during severe lightning storms or when unused for a long period of time.
- Do not turn off power during firmware update, the device might brick.

Positioning

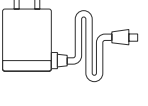
- Place your device on a flat, horizontal, and stable surface.
- Keep away from heat sources, such as radiators.

2. What's in the box



Main Unit x1

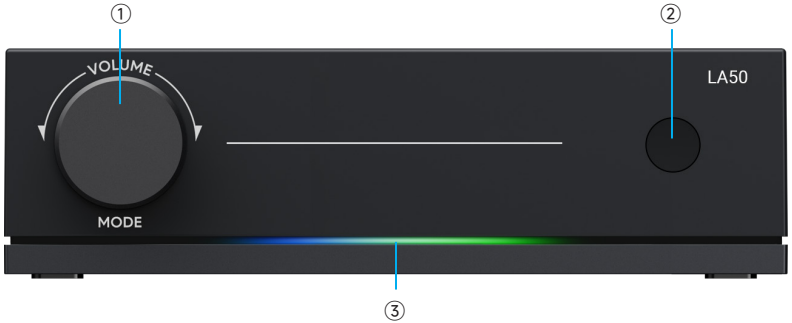
User's Manual x1



Power Adapter x1

IR Remote Controller x1

3. Interface



3.1. Knob Control

① Rotary Knob Control

- Rotate right/left to increase/decrease volume.
- Short press to switch the input source or power on the device when it is off.
- Long press power off the device.

3.2. IR Sensor

② IR Sensor

The IR sensor allows you to use Arylic IR remote controller, please note strong white light and obstructions may interfere with infrared signal reception. Ensure the infrared receiver panel remains clean and unobstructed for optimal performance.

3.3. Ambient Lighting Indicator Status

③ Ambient lighting Indicates current status/input source.

- Breathing: No signal input.
- Solid: Connected
- Dim lighting: The device enters standby mode when there is no signal input for a while.

White: WiFi/network mode.
When the white light is pulsating outward and inward from the center, the device is booting.
When the white light is scrolling from left to right, the device is setting up network or connecting.
When the light breathes, switching between bright and dim. There is no network connection.

Blue: Bluetooth mode. When the blue light is scrolling horizontally, the Bluetooth is waiting for pairing.

Green: Line input mode.

Purple: TV eARC input mode.

Yellow: Optical input mode.

Red: USB Disk input mode. When the red light is blinking (Quick flashing), there is a system error.
Please power cycle the device to resolve the issue.

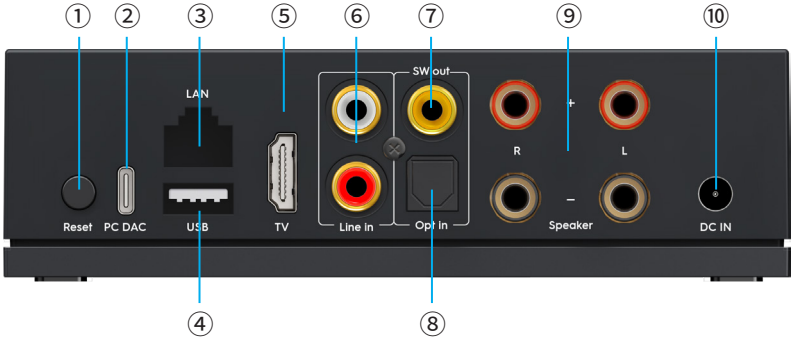
Magenta: USB DAC input mode.

- Bluetooth Transmitter Mode:

Waiting for Pairing: The input source light and blue light split evenly and flashing (Slow blinking).
Connecting: The light is scrolling from left to right.
Connection Successful: The input source light and solid blue light split evenly ex:

- Other Status:

Add Treble: The blue display bar increases to the right.
Reduce Treble: The blue display bar decreases to the left.
Add Mid: The green display bar increases to the right.
Reduce Mid: The green display bar decreases to the left.
Add Bass: The red display bar increases to the right.
Reduce Bass: The red display bar decreases to the left.
Add Volume: The white display bar increases to the right.
Reduce Volume: The white display bar decreases to the left.
Mute State: Flashing white volume bar.
Preset EQ: The white light position represents different preset.
EQ Settings: Flat/Classic/Pop/Jazz/Rock/Vocal.



3.4. Interfaces

① Reset Button

• Short Press Once:
a. When in source input mode, press once to enable Bluetooth transmitter connection and disconnect when connected.
b. When in Bluetooth mode, press once to activate the Bluetooth pairing mode. When Bluetooth is connected, press once to disable Bluetooth connection.

• Short Press Twice:
In any mode, press twice to activate WiFi paring mode.

• Press and hold:
Press and hold the button to do factory reset.

② Type C port: For connection to PC to act as USB DAC.

③ LAN port: RJ45 wired connection to router.

④ USB port: To connect USB flash drive for music file playback.

⑤ TV eARC in: For connection to TV eARC/ARC port, support power and volume CEC control.

⑥ Line in: For connection to device with line output.

⑦ Subwoofer out: For connection to active subwoofer.

⑧ Optical in: For connection to device with optical output.

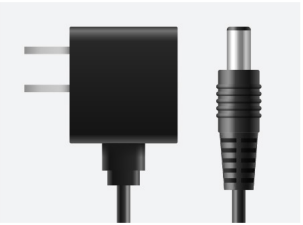
⑨ Speaker out: Use 10-18 gauge speaker cable to connect to your passive stereo speakers.

⑩ DC in: Connect the included 24V/4.16A power adapter.

4. Connection Diagram

4.1. Connect to Power

Please use the provided power adapter to power up your LA50.

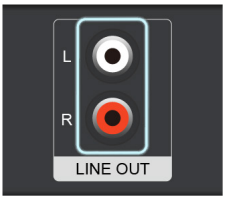


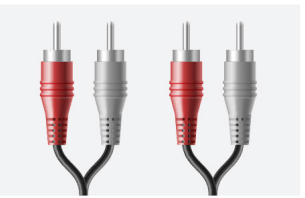
4.2. Connect to Passive speakers

Use 10-18 gauge speaker cable to connect the device to your passive speakers.

4.3. Line In

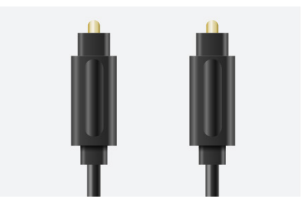
Connect from CD player, TV, computer any playback device with audio out/Line out/AUX out to Line in using an RCA cable.





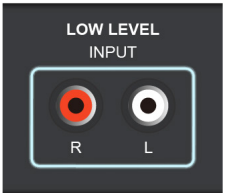
4.4. Optical In

Connect from TV or any playback device with optical out to optical in using an optical cable.



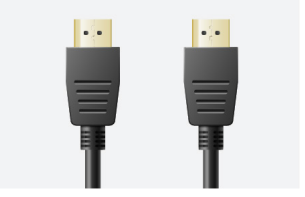
4.5. Subwoofer out

Use RCA cables to connect the device to your active subwoofer.



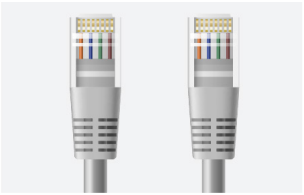
4.6. TV ARC/eARC Input

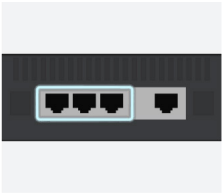
If your TV has an ARC/eARC port, there should be an 'ARC' or 'eARC' label beside it. Use an cable to connect it to the ARC/eARC port on the device. LA50 also supports CEC functionality, allowing you to use your TV remote to power on/off or adjust the volume for both your TV and LA50 simultaneously.



4.7. LAN Connection

Connect to your router directly for better network performance and stability.



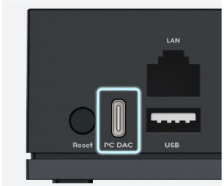


4.8. USB Disk Drive

Plug in USB disk drive to the USB Host to play music.

4.9. Connect to PC

Connect PC with Type-C data cable for USB DAC PC Audio.



5. IR Remote Controller

5.1. More Functions

Press and hold the keys below for 2 seconds to activate the functions.

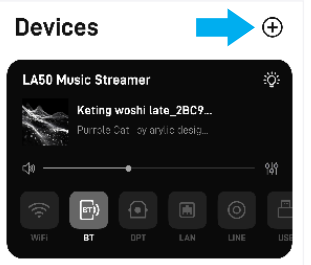
Key	Function
Power	Restore to factory settings
Volume +/-	Continue adding/decreasing volume
Preset EQ	Flat
Input switch	Pair to new network
Treble +/-	Reset treble
Bass +/-	Reset bass
	Pair/disconnect Bluetooth devices

6. Streaming Setup

6.1. WiFi Pairing

1. Power Up LA50.

2. The LA50 light indicator will breathe with white light. In this state, you can begin the pairing process.



3. Download "GO CONTROL APP" and click "+" and follow the instructions to add the device.

6.2. AirPlay Configuration

If you're an Apple user, you can pair the LA50 with your iPhone, iPad, HomePod, HomePod mini, or Apple TV on the same network.
Play your favorite audio content, such as music or podcasts, on the LA50 and other AirPlay-compatible systems in any room—with a tap or by simply asking Siri. Play a song in the living room and kitchen at the same time, or adjust the volume in any room, all in perfect sync.

Works with
Apple AirPlay

6.3. Google Cast Multiroom Configuration

1. Make sure your playback device
is on the same network as your device.
2. Open your Google Home app.
3. Tap Settings >Devices, groups & rooms >Speaker groups >Create speaker group.
4. Tap each device that you want to add to the group. A check(V) will appear next to each selected device.
5. Tap next enter a name for your group tap save.
6. From any Google Cast supported app, you can find the Google Cast symbol, if it is on the same network as your device. Simply press the logo and choose the group name for multiroom streaming.

6.4. Spotify Connect

Use your phone, tablet or computer as a remote control for Spotify.
Go to spotify.com/connect to learn how. The Spotify Software is subject to third party licenses found here: www.spotify.com/connect/third-party-licenses

6.5. TIDAL Connect

1. Connect your device to your WiFi network.
2. Open up the TIDAL app on your phone, tablet using the same WiFi network.
3. Select a song and select Devices Available.
4. Select your device and start listening.

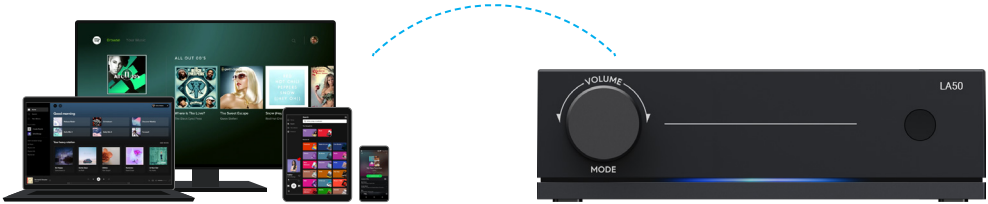
6.6. LAN Connection

Connect the LA50 directly to your router via an RJ45 LAN connection for better network performance and stability. We recommend using a LAN connection when setting up a group of over 10 devices.
For connection, please refer to 4.7 Lan Connection on Page 8.

7. Bluetooth Connection

7.1. Bluetooth Reception

When in Bluetooth receiver mode, the blue ambient light will scroll horizontally, which indicates it is waiting for connection. On your BT transmitter device (Mobile Phone, Pad, Laptop, TV) you can search for a Bluetooth device name “Arylic LA50 XXXX” (XXXX is the serial number) and connect to it.
Once connected, the blue ambient light will stay on which indicates the connection is successful and you can start playing music from the connected device and hear the sound coming out of the connected output device. The device will remember connected devices, it will auto connect to paired devices.



To disconnect the Bluetooth connection, press the Reset button once to disconnect the connection when in Bluetooth mode.

7.2. Bluetooth Transmittion

To enable Bluetooth transmitter mode, once you are in one of the source input modes (WiFi, Line in, Optical in, TV ARC/eARC, USB disk drive, USB DAC) press the Reset button on the back or press the BT TX button on the remote controller to enable.
Once enabled, you will notice the LED will start flashing, the device will then search for nearby Bluetooth receiver device (Bluetooth Speakers, Headphones) and connect to it.

> Please note, some BT receiver device might need you to enter pairing mode first, some BT receiver device might need to press a connection button to establish the connection. Please refer to the device user manual or contact the seller for advice if needed.

Once connected, the Bluetooth receiver device will output audio.
To disconnect the Bluetooth connection, quickly press the Reset button twice to disconnect the connection.

LA50 support transmits to 1 Bluetooth speaker or Bluetooth headphone and 2 wired audio outputs (Subwoofer out, Speaker out) at the same time.

*The delay may vary due to the devices you connect with.

8. TV Setup

LA50 TV input supports transmitting high-quality audio from the TV's ARC and eARC output ports. For connection details, please refer to section 4.6. TV ARC/eARC Input on Page 7.

1. Ensure that the TV audio output format is set to PCM, or there will be no sound output for ARC or optical input from TV.
2. LA50 supports CEC control for power on/off and volume adjustments, meaning you can use your TV remote to power on/off or adjust the volume for both your TV and LA50 wireless Streaming Amplifier at the same time.

9. GO CONTROL APP

GO CONTROL APP is an app developed by Arylic team to control all Arylic devices. Download GO CONTROL APP.

GET IT ON Google Play

Download on the App Store

GO CONTROL

9.1. Restore To Factory Settings

> Do not turn off the power during restore factory settings, or the device will be damaged and Will not work anymore.

There are two ways to restore your LA50 wireless Streaming Amplifier.

1. Press and hold the reset button behind to do factory reset.
2. Open GO CONTROL APP>Click the device you want to do factory reset>Click settings on the top right>Click restore to factory settings.

*Please note, all saved settings will be lost and returned to default settings.

9.2. Firmware Update

LA50 wireless streaming amplifier support OTA firmware updates. This means you'll receive an update notification in the GO CONTROL APP when an update is available. Simply click Accept and follow the instructions to update your LA50 wireless streaming amplifier.

> Do not turn off the power during the update process or the device will be damaged and will not work anymore.

10. Specification

Network	
Network Type	802.11 b/g/n/ac
Frequency Range	2.4GHz, 5GHz
Ethernet	RJ45 single 10/100m
Streaming Protocols	Google Cast, AirPlay, TIDAL Connect, Spotify Connect

Bluetooth	
Bluetooth Standard	V5.4
Bluetooth Distance	15M
Transmit	Codec: SBC, AAC
Receive	Codec: SBC, AAC

Amplification	
Amplifier Chip	TPA3116D2
RMS Power	50Wx2 @4Ω, 30Wx2 @8Ω
Maximum Power Consumption	120W

Audio Spec			
Sample Rate	192kHz/24bit	**SNR**	>93dB
THD+N	< 0.1%	**Crosstalk**	>75dB
DAC	ESS9023P	**DSP**	BP1048B2
Frequency Response	20Hz-20kHz+-1dB		

Audio I/O		
Audio Input	Line in	Analog RCA, Max 2 Vrms input
	Optical in	Up to 192kHz/24bit PCM only
	TV in	PCM only, CEC function supported
	USB host	USB disk drive playback, support resume playback Storage format: Fat16, Fat32, exFAT, up to 128GB Support codec: mp3, mp4, wma, mov, m4a, aac, flac, ape
	Type-c port	USB DAC for PC connection (Sample rate: 48kHz)
Audio Output	Subwoofer out	Max 3 Vrms output, Crossover frequency: 250Hz
	Speaker out	Connect to passive speaker

General			
Power Input	DC 12V-24V	**Dimensions**	148*148*43mm
Volume Knob		Mode, Volume +/-	
Standby Power Consumption		<0.5W	
Operating Power Consumption		MAX:120W	
In The Box	Main Unit x1, IR Remote Control x1, Power Adapter x1, User's Manual x1		

11. Warranty & Service

If you encounter any quality problems, product issues, or have other service inquiries, please contact us via online chat or email. The Arylic team is always happy to assist you!

Contact Us

1. Purchase from Arylic Official Online Store:
   Online Chat: Monday to Friday, 9am. To 6pm.(HKT)
   Email: info@arylic.com, replied in one business day.

2. Purchase from Arylic Amazon Stores
   Amazon message: Monday to Friday, 9am. To 6pm.(HKT)
   Amazon: amazon@arylic.com, replied in one business day.

3. Purchase from Arylic resellers
   Please contact your seller directly for after-sale service.

12 Month warranty

30 Days Free Return

Smile Customer Support

www.arylic.com

@Arylic Audio

@arylic_audio

ARYLiC

12. Legal Notice

FCC Statement:

Federal Communication Commission (FCC) Radiation Exposure Statement.
When using the product, maintain a distance of 20cm from the body to ensure compliance with RF exposure requirements.
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.

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications or changes to this equipment. Such modifications or changes could void the user's authority to operate the equipment.

NOTE: 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 residential installations. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harm 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.
• ncrease 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.
To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum 20cm distance between the radiator and your body: Use only the supplied antenna.

Works with Apple AirPlay:
Use of the Works with Apple badge means that an accessory has been designed to work specifically with the technology identified in the badge and has been certified by the developer to meet Apple performance standards.

Apple, AirPlay, Apple Logo, Apple Home, Apple TV, HomePod, HomePod mini, iPad, iPad Air, and iPhone are trademarks of Apple Inc., registered in the U.S. and other countries and regions. App Store is a service mark of Apple inc., registered in the U.S. and other countries.
To use AirPlay with LA50 the latest version of iOS, iPadOS or macOS is recommended.

Google Cast:
Google Cast is a trademark of Google LLC.

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