

Arylic UP2Stream-50Wx2-100W

Arylic UP2Stream 2.1 Subwoofer Amplifier Board User Manual



INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Arylic UP2Stream 2.1 Subwoofer Amplifier Board. This high-performance amplifier board integrates WiFi and Bluetooth 5.0 connectivity, delivering 50W x 2 for stereo channels and 100W for a subwoofer, making it ideal for DIY speaker projects and multi-room audio setups. Please read this manual thoroughly before use to ensure proper functionality and safety.

SAFETY INFORMATION

Always observe the following safety precautions:

- Ensure the power supply voltage matches the requirements specified for the amplifier board.
- Do not expose the device to water, moisture, or extreme temperatures.
- Avoid placing the amplifier board in direct sunlight or near heat sources.
- Do not attempt to open or modify the device. Refer all servicing to qualified personnel.
- Keep out of reach of children.
- Disconnect power before making any connections or disconnections.

PACKAGE CONTENTS

Verify that all items are present in the package:

- Arylic UP2Stream 2.1 Subwoofer Amplifier Board
- Remote Control
- User Manual (this document)
- *(Additional cables or accessories may be included depending on the specific package)*

PRODUCT OVERVIEW AND FEATURES

The Arylic UP2Stream 2.1 Amplifier Board offers advanced audio streaming capabilities and powerful amplification for your custom audio projects.

- **Wireless Stereo Amplifier:** Adds wireless or network streaming functionality to existing speakers, home stereo systems, or receivers.
- **High-Performance Subwoofer Output:** Features 50W x 2 for stereo channels and a dedicated 100W output for a subwoofer. Supports virtual bass (activatable via remote control) and high-resolution sound. Capable of driving a 10-inch subwoofer for home theater applications.
- **Stable Streaming and High Sound Quality:** Supports lossless music file playback including MP3, APE, FLAC, and WAV with high-resolution audio. Bluetooth range extends up to 30 meters, while WiFi streaming covers the entire signal range.
- **Multiple Music Sources and Protocols:** Compatible with various streaming services such as Spotify, TuneIn, iHeartRadio, TIDAL, and supports protocols like AirPlay1, Qplay, DLNA, and UPnP. Also accepts local music from USB flash drives, NAS, and Line inputs.
- **Multi-Purpose Streaming:** Allows for setting up multiple Arylic devices on the same network, enabling control via the 4stream app to play different audio in various rooms or synchronize the same audio across all devices.

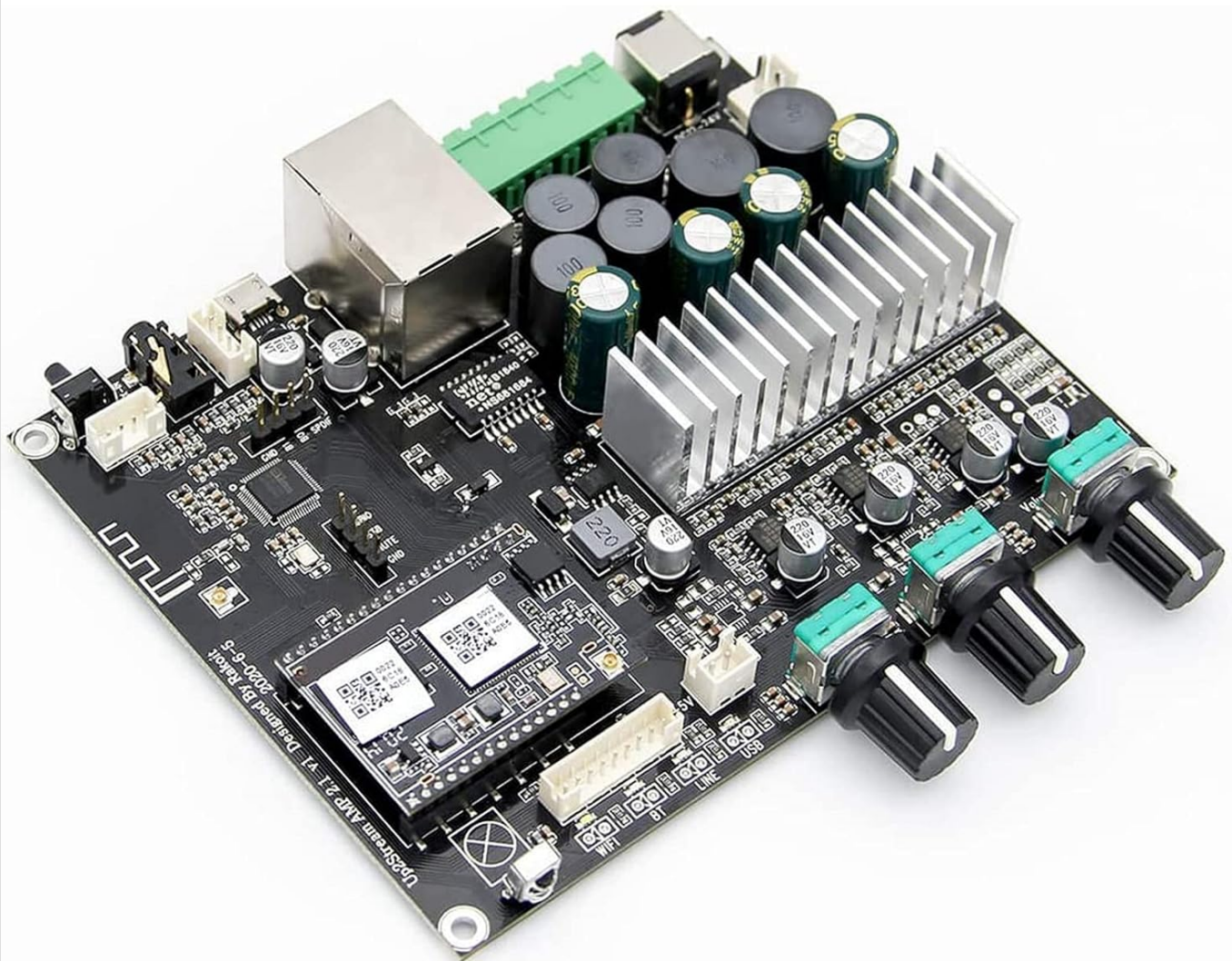


Image Description: A top-down view of the Arylic UP2Stream 2.1 Subwoofer Amplifier Board, showcasing its various components including heatsinks, capacitors, input/output terminals, and control knobs. The board is black with silver and green accents.

SETUP

1. Physical Connections

Before powering on the device, ensure all necessary audio inputs and speaker outputs are correctly connected.

1. **Speaker Connection:** Connect your passive stereo speakers to the left and right speaker terminals. Connect your passive subwoofer to the dedicated subwoofer output terminals. Ensure correct polarity (+ to + and - to -).
2. **Audio Input:** Connect your audio source (e.g., TV, CD player, computer) to the RCA Line Input. Alternatively, use Bluetooth or WiFi for wireless audio input.
3. **Power Supply:** Connect a compatible DC power adapter (not included, typically 12-24V) to the power input jack.



Image Description: A diagram illustrating the various input and output connections of the Arylic UP2Stream 2.1 Amplifier Board. It shows connections for RCA input, Bluetooth input, DAC, Preamp, and outputs to speakers and headphones. Devices like a TV, laptop, DVD player, and smartphone are shown as potential input sources.

2. Network and Bluetooth Setup

The amplifier board supports both WiFi and Bluetooth for wireless audio streaming.

- **WiFi Setup:** Download the "4stream" app from your device's app store (iOS or Android). Follow the in-app instructions to connect the amplifier board to your home WiFi network. This enables multi-room audio and access to online streaming services.
- **Bluetooth Pairing:** Power on the amplifier board. On your smartphone or other Bluetooth-enabled device, search for available Bluetooth devices and select "Arylic UP2Stream" (or similar name) to pair.



Image Description: An illustration showing the Arylic UP2Stream 2.1 Amplifier Board at the center, surrounded by a smartphone displaying the "4stream" app interface, a WiFi signal icon, two bookshelf speakers, and a subwoofer. This depicts a complete wireless audio setup.

OPERATING INSTRUCTIONS

1. Audio Playback

- **Via 4stream App:** Once connected to WiFi, use the 4stream app to select music sources (streaming services, local files, NAS) and control playback, volume, and multi-room settings.
- **Via Bluetooth:** After pairing, play audio from your Bluetooth-connected device.
- **Via Line Input:** Select the Line Input source (if available via app or physical control) and play audio from your connected analog source.

2. Multi-Room Streaming

The 4stream app allows you to group multiple Arylic devices for synchronized playback or play different audio in separate zones.



Image Description: A smartphone screen displaying the "4stream" app interface, showing a "Device List" with different rooms (Living Room, Kitchen, Bedroom, Bathroom) and currently playing music in each. This illustrates the multi-room audio control capability.

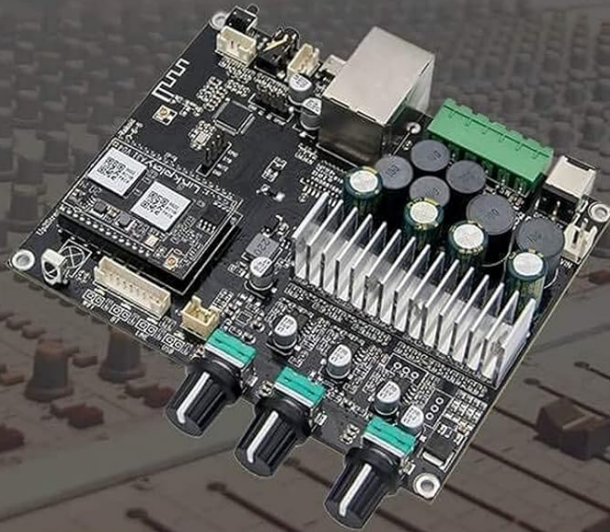
3. EQ Control and Audio Effects

Customize your audio experience by adjusting Treble and Bass settings using the ACPWorkbench Audio Effect Tool. This tool provides advanced equalization options.

- **Accessing ACPWorkbench:** Refer to the Arylic website or product support for instructions on downloading and using the ACPWorkbench software.
- **Virtual Bass:** Activate the virtual bass feature via the remote control for enhanced low-frequency response.

Customize your EQ control

Adjust your Treble and Bass settings
with our ACPWorkbench Audio Effect Tool



*Find the audio effect tool in accessories

Image Description: The Arylic UP2Stream 2.1 Amplifier Board positioned in front of a large audio mixing console, with a computer monitor displaying the "ACPWorkbench Audio Effect Tool" interface. This highlights the customization options for audio settings.

4. Remote Control Usage

The included remote control provides convenient access to basic functions such as power, volume, input selection, and virtual bass activation.

Remote Control



Image Description: A hand holding the Arylic remote control, pointing towards a stereo system with two speakers and a receiver, demonstrating its use for controlling the audio setup.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the amplifier board. Do not use liquid cleaners or solvents.
- **Ventilation:** Ensure adequate airflow around the board to prevent overheating. Do not obstruct the heatsinks.
- **Storage:** If storing the device for an extended period, disconnect it from power and store it in a cool, dry place.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No power	Power adapter not connected or faulty; power outlet not working.	Check power connections. Try a different power outlet or adapter.
No sound output	Incorrect speaker connections; wrong input source selected; volume too low; faulty audio cable.	Verify speaker polarity and connections. Select the correct input source. Increase volume. Test with a different audio cable.
Cannot connect to WiFi	Incorrect WiFi password; device too far from router; network issues.	Double-check WiFi password. Move device closer to router. Restart router. Follow 4stream app setup steps carefully.
Bluetooth pairing fails	Device not in pairing mode; too many paired devices; interference.	Ensure the amplifier board is in Bluetooth pairing mode. Clear previous Bluetooth connections on your source device. Try pairing again.
Sound distortion	Volume too high; impedance mismatch with speakers; faulty speakers/cables.	Reduce volume. Ensure speakers are compatible with amplifier output. Test with different speakers or cables.

SPECIFICATIONS

- **Model Number:** UP2Stream-50Wx2-100W
- **Brand:** Arylic
- **Output Power:** 50W x 2 (Stereo), 100W (Subwoofer)
- **Connectivity:** WiFi, Bluetooth 5.0
- **Supported Audio Formats:** MP3, APE, FLAC, WAV (Lossless)
- **Protocols:** AirPlay1, Qplay, DLNA, UPnP
- **Inputs:** Line Input (RCA), USB Flash Drive, NAS
- **Control App:** 4stream (iOS & Android)
- **Dimensions:** 13.6 x 9.2 x 2.6 inches
- **Weight:** 8.01 ounces
- **Mounting Type:** Internal
- **Number of Channels:** 3 (2.1)

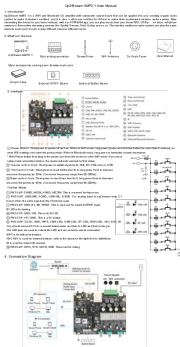
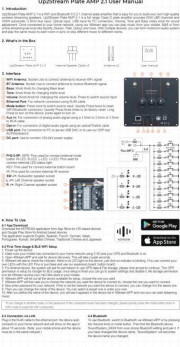
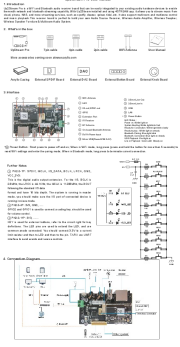
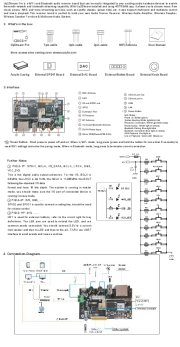
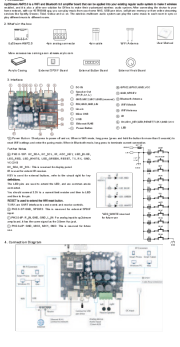
WARRANTY AND SUPPORT

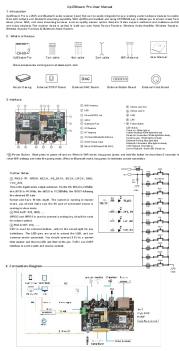
Arylic products are designed for reliability and performance. For warranty information, technical support, or service inquiries, please contact Arylic customer support directly through their official website or the contact information provided with your purchase.

Manufacturer: Rakoit Technology (Shenzhen) Co., Ltd.



Related Documents - UP2Stream-50Wx2-100W

	<p>Arylic Up2Stream AMP2.1 WiFi and Bluetooth 5.0 Amplifier User Manual</p> <p>User manual for the Arylic Up2Stream AMP2.1, a WiFi and Bluetooth 5.0 amplifier with subwoofer output board for DIY audio systems. Learn about its features, interface, setup, and specifications.</p>
	<p>Arylic Up2Stream Plate AMP 2.1 User Manual - WiFi Bluetooth Amplifier Guide</p> <p>Detailed user manual for the Arylic Up2Stream Plate AMP 2.1, a versatile 2.1 channel plate amplifier offering WiFi and Bluetooth 5.0 connectivity, high-quality audio output, and app control for seamless music streaming.</p>
	<p>Arylic Up2Stream Pro WiFi and Bluetooth Audio Receiver User Manual</p> <p>The Arylic Up2Stream Pro is a versatile WiFi and Bluetooth audio receiver board designed for easy integration into existing audio systems. It enables network and Bluetooth streaming from various sources, supporting multiroom and multizone playback. This manual provides setup, usage, and specification details.</p>
	<p>Arylic Up2Stream Pro User Manual: WiFi & Bluetooth Audio Receiver</p> <p>Comprehensive user manual for the Arylic Up2Stream Pro, a WiFi and Bluetooth audio receiver board. Learn about its features, connections, setup, specifications, and how to use the 4STREAM app for seamless music streaming.</p>
	<p>Arylic Up2Stream 2.0 Amp V3 User Manual: Wireless WiFi Bluetooth Amplifier</p> <p>Comprehensive user manual for the Arylic Up2Stream 2.0 Amp V3, detailing its features, connections, setup, and specifications for building custom wireless audio systems.</p>



[Up2Stream Pro User Manual - WiFi Bluetooth Audio Receiver Board](#)

This user manual provides detailed information on the Arylic Up2Stream Pro, a versatile WiFi and Bluetooth audio receiver board. It covers product introduction, what's in the box, interface details, connection diagrams, setup instructions, and technical specifications for building advanced audio systems.