

## Arylic H50

# Arylic H50 Hi-Fi Audio Amplifier User Manual

Model: H50

## 1. INTRODUCTION

The Arylic H50 is a versatile Hi-Fi WiFi Audio Amplifier designed for wireless home music streaming. It integrates multiple audio sources and protocols, offering both transmission and reception capabilities for a comprehensive audio experience. This manual provides detailed instructions for setting up, operating, and maintaining your H50 amplifier.



Figure 1: Front view of the Arylic H50 amplifier.

## 2. KEY FEATURES

- **Wireless Audio Streaming:** Access multiple music sources and protocols, including Spotify, TuneIn, iHeartRadio, TIDAL, and more. Supports AirPlay 1 & 2, Qplay, DLNA, UPnP protocols.
- **Multiroom & Multizone Control:** Allows synchronized audio playback across multiple devices connected to the same network, controllable via your phone.
- **Rich Connectivity:** Features numerous interfaces including analog RCA, optical digital, HDMI ARC, phono input, and USB. Includes a subwoofer output for enhanced bass.
- **Advanced Bluetooth:** Incorporates aptX HD technology with Qualcomm's Bluetooth chip for high-definition wireless audio transmission and reception, supporting two Bluetooth devices simultaneously.
- **App & Web Control:** Manage playback, equalizer settings, multiroom functions, preset content, alarms, WiFi settings, and firmware updates via the free 4STREAM app (iOS/Android) or directly from your web browser.

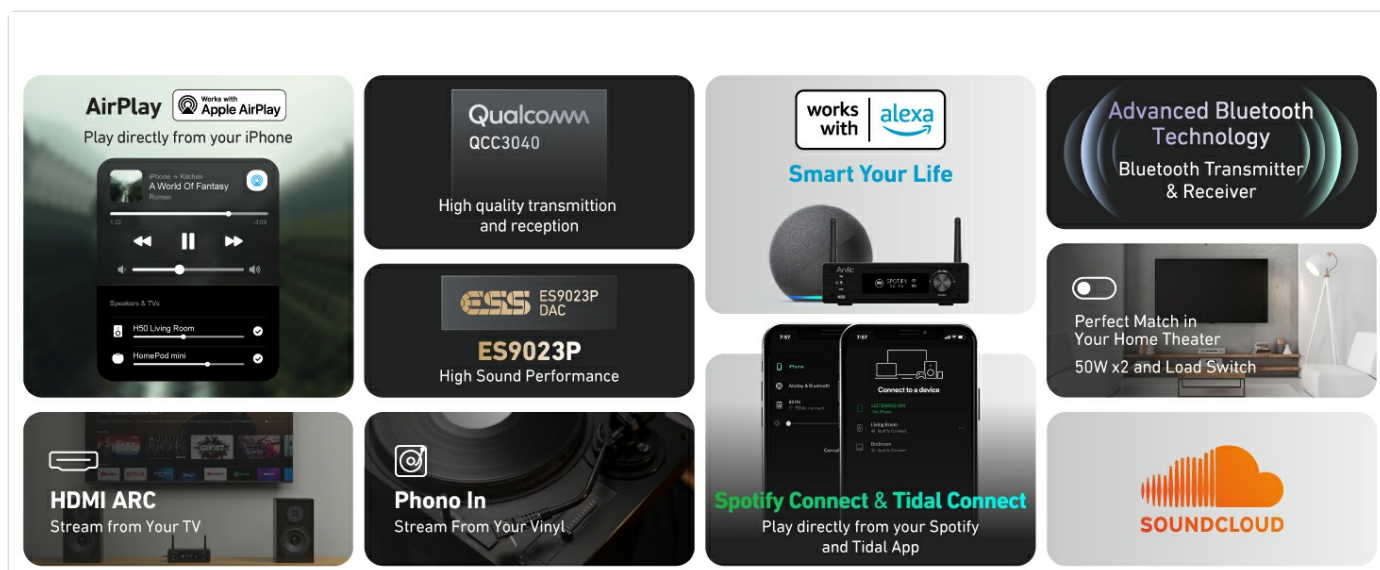


Figure 2: Overview of Arylic H50's key features and supported technologies.

## 3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Arylic H50 Hi-Fi Audio Amplifier
- Remote Control
- Quick Start Guide

## 4. SETUP

### 4.1 Rear Panel Overview



Figure 3: Detailed view of the Arylic H50 rear panel connections.

**BT Antenna:** Bluetooth antenna connection.

**DC Input:** Power input.

**Speaker Out (Banana Plug):** Connect passive speakers.

**Load Switch:** Select 8Ω or 4Ω speaker impedance.

**Ground Connector:** For turntable grounding.

**Phono Input:** RCA input for turntables.

**Line In:** RCA input for external audio sources.

**Optical In:** Optical digital audio input.

**SW Out:** Subwoofer output.

**HDMI ARC:** HDMI Audio Return Channel input for TV audio.

**LAN:** Ethernet port for wired network connection.

**USB Type-A Port:** For USB storage devices.

**USB Type-C Port (DAC):** USB DAC input for computer audio.

**Reset:** Reset button.

**WiFi Antenna:** WiFi antenna connection.

## 4.2 Connecting Your Speakers

Connect your passive speakers to the "Speaker" terminals on the rear panel. Ensure correct polarity (+ to + and - to -). If your speakers have a specific impedance (4Ω or 8Ω), adjust the "Load Switch" accordingly.

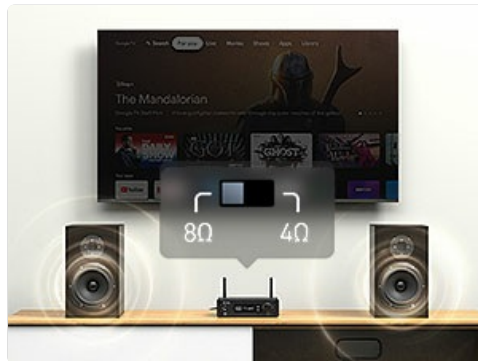


Figure 4: Speaker impedance load switch for optimal performance.

## 4.3 Power Connection

Connect the provided power adapter to the "DC input" port on the rear panel, then plug it into a power outlet. The device will power on automatically or can be turned on using the front panel switch.

## 4.4 Network Connection (WiFi & LAN)

For network streaming features, connect the H50 to your home network:

- **WiFi:** Attach the WiFi antenna. Download the **4STREAM app** on your smartphone or tablet. Follow the in-app instructions to connect the H50 to your WiFi network.
- **LAN (Wired):** Connect an Ethernet cable from your router to the "LAN" port on the H50.



Figure 5: Connecting the H50 to a wired network via the LAN port.

## 5. OPERATING INSTRUCTIONS

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### 5.1 Basic Controls

The front panel features a power switch, an IR sensor, a display panel, and a volume knob/input mode button.

- **Power Switch:** Toggles the device on/off.
- **Volume Knob:** Rotate to adjust volume. Press to cycle through input modes (WiFi, Bluetooth, HDMI ARC, Phono, Line In, Optical, USB).
- **Display Panel:** Shows current input, network status, and volume level.



Figure 6: The H50's front display showing current playback information.

### 5.2 Using the 4STREAM App

The 4STREAM app (available for iOS and Android) provides comprehensive control over your H50 amplifier. It allows you to:

- Select music sources and control playback.
- Adjust equalizer settings.
- Manage multiroom/independent playback.
- Set preset content and alarms.
- Configure WiFi settings and update firmware.



Figure 7: The 4STREAM app interface for controlling the H50.

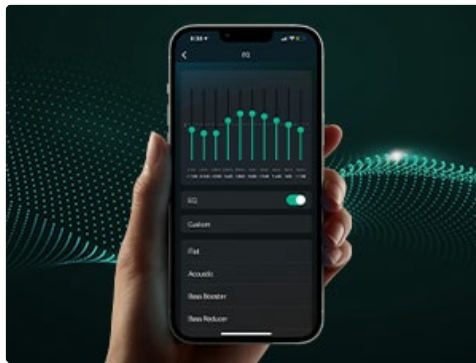


Figure 8: Equalizer adjustment screen within the 4STREAM app.

### 5.3 Audio Streaming and Inputs

The H50 supports various audio sources:

- **WiFi Streaming:** Access integrated services like Spotify, TIDAL, TuneIn, Amazon Music, and more. Supports AirPlay 2, DLNA, UPnP for local network streaming.
- **Bluetooth:** Connect Bluetooth-enabled devices for audio playback. The H50 supports aptX HD for high-quality audio. It can also transmit audio to two Bluetooth headphones/speakers simultaneously.
- **HDMI ARC:** Connect your TV's HDMI ARC port for high-quality TV audio through the H50.
- **Phono Input:** Connect a turntable directly to the H50.
- **Line In:** Connect any analog audio source via RCA cables.
- **Optical In:** Connect digital audio sources like CD players or game consoles.
- **USB:** Play music files from a USB storage device.

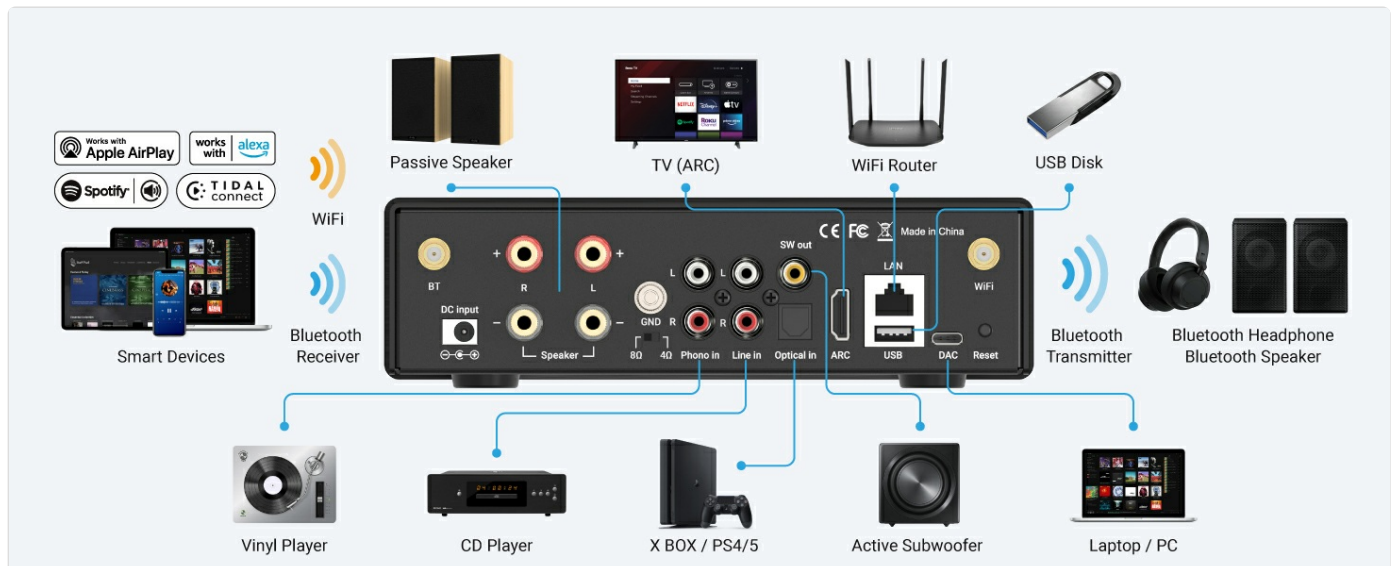


Figure 9: Comprehensive connection diagram for the Arylic H50.



More Ways To Play  
Play from a TV, Vinyl, CD  
player, and more to your  
Bluetooth headphones or  
Bluetooth speakers with  
high-quality Bluetooth 5.2  
aptx HD transmission.



Figure 10: The H50's ability to transmit audio to Bluetooth headphones.

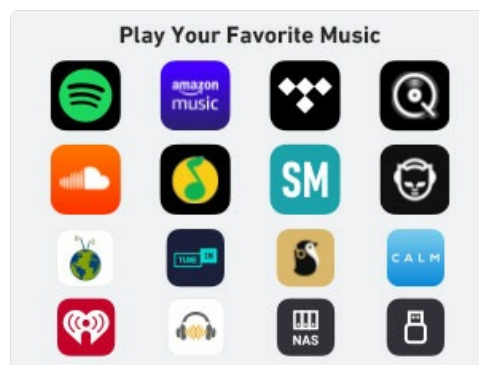


Figure 11: Supported music streaming services and local sources.

## 5.4 Multiroom Audio System

The Arylic H50 supports multiroom audio, allowing you to play the same music across multiple H50 devices or other AirPlay 2/Alexa-enabled devices in your home. This is managed through the 4STREAM app.

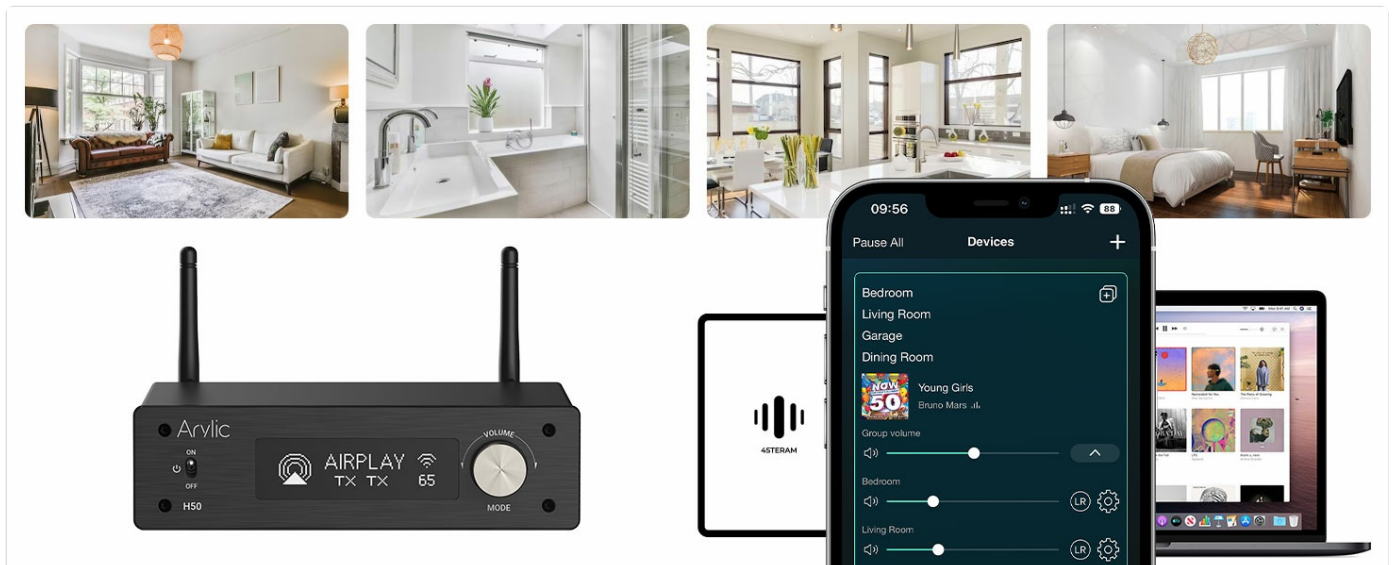


Figure 12: Multiroom audio setup with Arylic H50 and other compatible devices.

## 5.5 Voice Control (Alexa)

The H50 is compatible with Alexa, allowing you to control music playback using voice commands through an Alexa-enabled device.

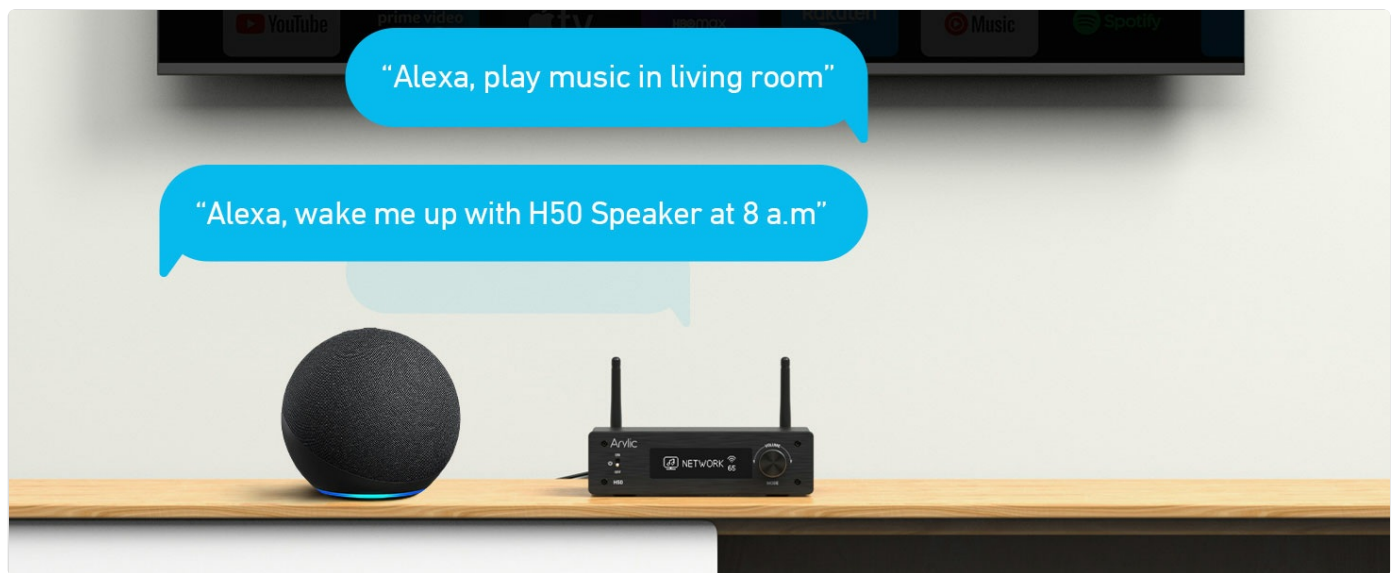


Figure 13: Voice control integration with Alexa.

## 5.6 Remote Control

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



Figure 14: Using the included remote control.

## 5.7 Official Product Video

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Video 1: An overview of the Arylic H50 Hi-Fi Audio Amplifier, demonstrating its AirPlay 2, Bluetooth, and multiroom capabilities.

## 6. MAINTENANCE

- Keep the device in a dry, well-ventilated area, away from direct sunlight, heat sources, and moisture.
- Clean the exterior with a soft, dry cloth. Do not use liquid cleaners or aerosols.
- Ensure proper ventilation around the unit to prevent overheating.
- Unplug the device from the power outlet during lightning storms or when unused for long periods.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Power cable not connected; Power outlet issue.	Check power cable connection; Try a different power outlet.



Problem	Possible Cause	Solution
No sound output	Incorrect input selected; Speaker cables loose; Volume too low.	Press the volume knob to cycle inputs; Check speaker connections; Increase volume.
Cannot connect to WiFi	Incorrect WiFi password; Router too far; Network interference.	Verify WiFi password; Move H50 closer to router; Try wired LAN connection.
Bluetooth connection issues	Device not in pairing mode; Too far from H50; Interference.	Ensure H50 is in Bluetooth mode; Place devices closer; Restart H50 and Bluetooth device.

## 8. SPECIFICATIONS

Attribute	Detail
Model Number	H50
Brand	Arylic
Output Power	50W x 2
Bluetooth Technology	aptX HD (Qualcomm QCC3040)
DAC Chip	ESS ES9023P
Network Connectivity	WiFi, LAN
Audio Inputs	Analog RCA, Optical Digital, HDMI ARC, Phono, USB
Audio Outputs	Speaker Out, Subwoofer Out
Package Dimensions	9.4 x 8.4 x 5.2 inches
Item Weight	7 ounces
Manufacturer	Rakoit Technology (Shenzhen) Co., Ltd.
Date First Available	November 13, 2024

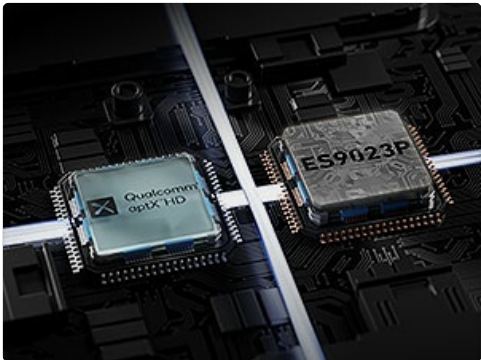






Figure 15: Internal components: Qualcomm QCC3040 and ESS ES9023P DAC.

## 9. WARRANTY AND SUPPORT

Arylic products are designed for reliability and performance. For warranty information, technical support, or service inquiries, please refer to the official Arylic website or contact their customer support directly. Keep your purchase receipt as proof of purchase for warranty claims.

For further assistance, visit: [www.arylic.com](http://www.arylic.com)

Related Documents - H50

 <p>Arylic H50 User's Manual</p> <p>Wireless Multiroom Full Digital HiFi Amplifier</p>	<p><a href="#">Arylic H50 Wireless Multiroom Full Digital HiFi Amplifier User Manual</a></p> <p>This user manual provides comprehensive instructions for the Arylic H50, a wireless multiroom full digital HiFi amplifier. Learn about its features, specifications, installation, operation, and connectivity options for various audio sources and streaming services.</p>
 <p>Arylic A30 User's Manual</p> <p>Wireless Streaming Amplifier</p>	<p><a href="#">Arylic A30 Wireless Streaming Amplifier User Manual</a></p> <p>User manual for the Arylic A30 Wireless Streaming Amplifier, detailing features, specifications, setup, connectivity, app usage, streaming services, multiroom capabilities, and PC playback.</p>
 <p>Arylic S50 Pro User's Manual</p> <p>Wireless Streaming Preamplifier</p>	<p><a href="#">Arylic S50 Pro User's Manual: Wireless Streaming Preamplifier Guide</a></p> <p>Comprehensive user manual for the Arylic S50 Pro wireless streaming preamplifier. Learn about setup, features, connectivity options (WiFi, Bluetooth, LAN), app control, multiroom audio, streaming services, and PC playback.</p>
 <p>Arylic A30+ User's Manual</p> <p>Wireless Streaming Amplifier</p>	<p><a href="#">Arylic A30+ Wireless Streaming Amplifier User Manual</a></p> <p>Comprehensive user manual for the Arylic A30+ Wireless Streaming Amplifier, covering setup, features, connectivity, app usage, multiroom audio, and PC playback. Learn how to stream music wirelessly via WiFi and Bluetooth.</p>
 <p>Arylic A50 User's Manual</p> <p>Wireless Streaming Amplifier</p>	<p><a href="#">Arylic A50 Wireless Streaming Amplifier User Manual</a></p> <p>Comprehensive user manual for the Arylic A50 Wireless Streaming Amplifier, covering setup, features, connectivity, app usage, PC playback, and FAQs. Learn how to stream music wirelessly and enhance your audio experience.</p>
 <p>Arylic A50 User's Manual</p> <p>Wireless Streaming Amplifier</p>	<p><a href="#">Arylic A50 Wireless Streaming Amplifier User Manual</a></p> <p>User's manual for the Arylic A50 Wireless Streaming Amplifier, detailing features, specifications, connections, and usage instructions for seamless audio streaming.</p>

