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Model: XY-AP15H | Brand: CHIWENTHAG

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your CHIWENTHAG Sinilink XY-AP15H Stereo Bluetooth 5.0 Power Amplifier Board. Please read this manual thoroughly before using the product to ensure proper function and safety.

SAFETY INFORMATION

- Ensure the power supply voltage matches the specified input range (DC 8-24V).
- Do not expose the amplifier board to moisture or extreme temperatures.
- Avoid short-circuiting the output terminals.
- Disconnect power before making any connections or disconnections.
- Handle with care to prevent damage to electronic components.

PACKAGE CONTENTS

Please check the package for the following items:

- Sinilink XY-AP15H Stereo Bluetooth 5.0 Power Amplifier Board
- User Manual (this document)
- *(Additional accessories may vary based on specific purchase)*

PRODUCT OVERVIEW

The Sinilink XY-AP15H is a compact stereo power amplifier board featuring Bluetooth 5.0 connectivity,

WiFi mobile app control, and versatile power input options. It is designed for various audio applications requiring high-quality sound amplification.



Image 1: Front view of the Sinilink XY-AP15H amplifier board, showing the central volume knob, USB audio input, DC power input (8-24V), AUX input, and speaker output terminals. The board is black with gold standoffs.

Key Features:

- **Bluetooth 5.0:** For stable and high-fidelity wireless audio streaming.
- **WiFi Mobile Control App:** Allows remote control and configuration via a smartphone application.
- **Multiple Audio Inputs:** Supports Bluetooth, AUX, and USB Audio input.
- **Wide Power Input:** Compatible with DC 8V-24V power supplies.
- **Stereo Output:** Provides two channels for speaker connection.

SETUP

1. Power Connection

1. Ensure the amplifier board is powered off.
2. Connect a DC power supply (8V-24V) to the "DC 8-24V" input terminals. Observe polarity: + for

positive, - for negative.

2. Speaker Connection

1. Connect your passive speakers to the "AUDIO OUTPUT" terminals.
2. Ensure correct polarity for each speaker (Left +, Left -, Right +, Right -).

3. Audio Input Selection

The amplifier supports three audio input methods:

- **Bluetooth:** This is the primary wireless input.
- **AUX IN:** Connect an external audio source (e.g., smartphone, MP3 player) using a 3.5mm audio cable to the "AUX IN" port.
- **USB AUDIO:** Connect to a computer via a USB cable for digital audio input.

4. Bluetooth Pairing

1. Power on the amplifier board.
2. On your mobile device, enable Bluetooth and search for available devices.
3. Select "Sinilink" (or similar name) from the list to pair. A confirmation tone will indicate successful pairing.

5. WiFi Mobile Control App Setup

1. Download the "Sinilink" app from your device's app store (iOS/Android).
2. Follow the in-app instructions to connect the amplifier board to your WiFi network and register it with the app. This typically involves putting the device into pairing mode and selecting your WiFi network.

OPERATING INSTRUCTIONS

Power On/Off

The board powers on automatically when connected to a suitable DC power supply. Disconnect the power supply to turn it off.

Volume Control

Rotate the large central knob clockwise to increase volume and counter-clockwise to decrease volume.

Input Switching

The amplifier automatically prioritizes inputs. Bluetooth is typically prioritized. To switch to AUX or USB Audio, ensure the respective cable is connected and Bluetooth is disconnected or not actively streaming.

Using the Mobile App

Once connected via the Sinilink app, you can control various functions remotely, including volume, input selection, and potentially equalizer settings (if supported by the app version).

MAINTENANCE

- **Cleaning:** Use a dry, soft cloth to clean the surface of the amplifier board. Do not use liquid cleaners or solvents.

- **Storage:** Store the device in a cool, dry place away from direct sunlight and excessive dust when not in use for extended periods.
- **Inspection:** Periodically check connections for looseness or corrosion.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Incorrect power supply voltage or polarity; loose connection.	Verify power supply (DC 8-24V) and connections. Check polarity.
No sound output	Incorrect input selected; speakers not connected; volume too low; faulty audio source.	Check input source; ensure speakers are connected correctly; increase volume; test with a different audio source.
Bluetooth not pairing	Device too far; amplifier not in pairing mode; previously paired with another device.	Ensure device is close; restart amplifier; forget device on your phone and re-pair.
App control not working	Amplifier not connected to WiFi; incorrect app setup; network issues.	Verify WiFi connection for both amplifier and phone; re-do app setup if necessary; check router.

SPECIFICATIONS

Feature	Detail
Model	XY-AP15H
Brand	CHIWENTHAG (Sinilink)
Power Output	40W/50W (depending on power supply and load)
Bluetooth Version	5.0
Power Input	DC 8V-24V
Audio Inputs	Bluetooth, AUX IN, USB Audio
Control Method	On-board knob, WiFi Mobile App

WARRANTY INFORMATION

This product is covered by a standard manufacturer's warranty. Please refer to your purchase documentation or contact your retailer for specific warranty terms and conditions. The warranty typically covers defects in materials and workmanship under normal use.

CUSTOMER SUPPORT

For technical assistance, troubleshooting, or any questions regarding your Sinilink XY-AP15H amplifier board, please contact CHIWENTHAG customer support through the platform where you purchased the product. Our team is available to provide support and guidance.