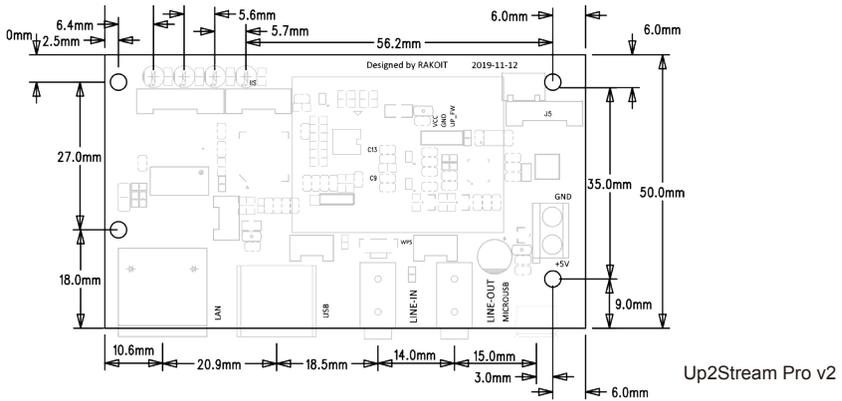


Up2Stream Pro v2 User Manual

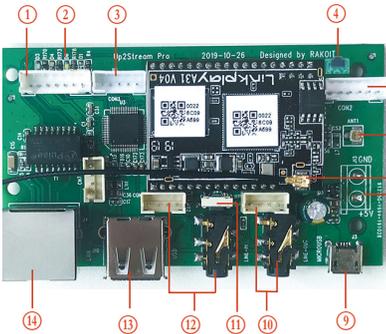
1. Introduction

Up2Stream Pro v2 is a WiFi and Bluetooth 5.0 preamplifier that can be installed in your existing regular speakers or amplifier to make them wireless enabled, and it is also a all-in-one solution for DIYers to make their customized wireless audio player. After connecting the device to your home network, with our 4STREAM APP, you can play music from your home NAS, USB pen drive, cell phone memory or from online streaming services like Spotify, Deezer, Tidal, Qobuz and so on. The wireless multiroom audio system can play the same music to each room in sync or play different music to different rooms.

2. Dimensions



3. Interface



- ① External LED/KEY (WiFi_LED,BT_LED, USB_LED,3.3V,GND,WPS) WPS short to GND to trigger Wi-Fi reset
- ② LED(WiFi:white; BT:blue; USB:red;Line-in:green)
- ③ IIS(MCLK,DOUT,BCLK,LRCK)
- ④ IR Receiver
- ⑤ Serial Port
- ⑥ Bluetooth Antenna
- ⑦ WiFi Antenna
- ⑧ GND,5V/1A
- ⑨ 5V/1A Micro USB input.
- ⑩ Line-Out
- ⑪ WiFi Reset
- ⑫ Line-In
- ⑬ USB
- ⑭ LAN

LED: Red, Blue, White, Green. Red LED lights up when playing files on USB. Blue LED lights up in Bluetooth mode. White LED lights up when playing via WiFi. Green LED lights up when selected Line-In as audio input.

WiFi Reset: short press to reset the device WiFi, long press to restore the device to factory setting(only works in WiFi mode), please change to WiFi mode when the device is in Bluetooth or line input mode.

Line-in: for external audio sources from TV, CD player and so on.(3.5mm mini jack input and 4 pin connector input have the same function)

Line-out: to provide analog audio to other devices(will play in sync with this main device). 3.5mm mini jack output and 4 pin connector output have the same function

LAN: to connect to internet.

USB : to connect USB pen drive(1024 tracks at most), to connect HDD, need extra power supply for the HDD.

Installation notes

① **PH2.0-7P:** WPS, GND,3.3V,ULED,BLED,WLED,AUX_RLED.

You should connect WPS pin to a key button and then to GND, so push the button will reset the WIFI; LEDs are common-anode connected, to add external LEDs, you should connect 3.3V to a current limit resistor and then to a LED and then to the pin. (reference the diagram below)

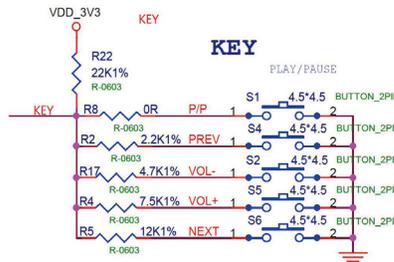
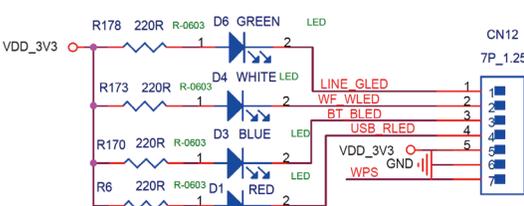
② **IIS:PH2.0-5P:** DOUT,BCLK,LRCK,MCLK,GND.

This is the IIS output port, the BCLK is 2.8MHz, the LRCK is 44.1KHz, the MCLK is 11.288MHz, the DOUT following the standard IIS data format and have 16 bits depth. The system is running in master mode, you should make sure the IIS port of connected device is running in slave mode.

③ **PH2.0-6P:** 3.3V,GND,IR,KEY,TX,RX.

The KEY pin is a ADC key, follow this instruction to extend the keys. (reference the diagram below)

LED LAMP



4. Specification

Connectivity	Wireless network	EEE802.11 b/g/n 2.4G
	Ethernet	Single 10/100M RJ45
	Bluetooth	5.0
	USB Host	Play USB music
Bluetooth Distance	30M	
Power Input *	5V-1A/2 pin connector	
	5V-1A micro USB input	
Audio output	Analog 3.5mm/4 pin connector	
	Digital IIS	

Frequency response	20Hz to 20kHz
Audio Input	Analog 3.5mm/4 pin connector
SNR	91dB
THD	0.03%
Music Format	FLAC/MP3/AAC/AAC+/ALAC/APE/WAV
Decoding	Up to 24bit/192kHz
Protocols	AirPlay, DLNA, UPnP, Spotify Connect, Qplay
Dimensions	88*50mm

* Warning: Up2Stream Pro v2 must use 5V-1A DC input, higher power supply may damage the board.

5. How To Use

5.1 App download

Download the 4STREAM application from App Store for iOS based devices and Google Play Store for Android based devices.

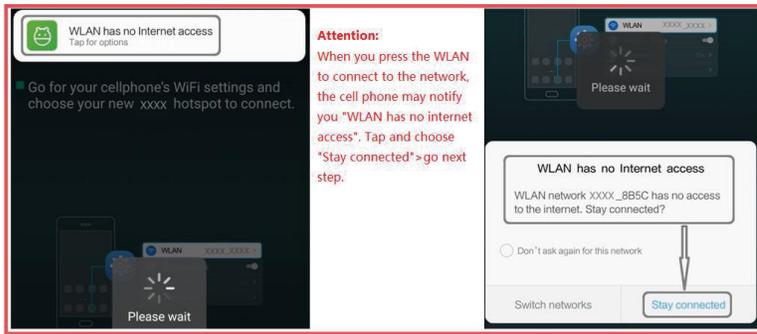
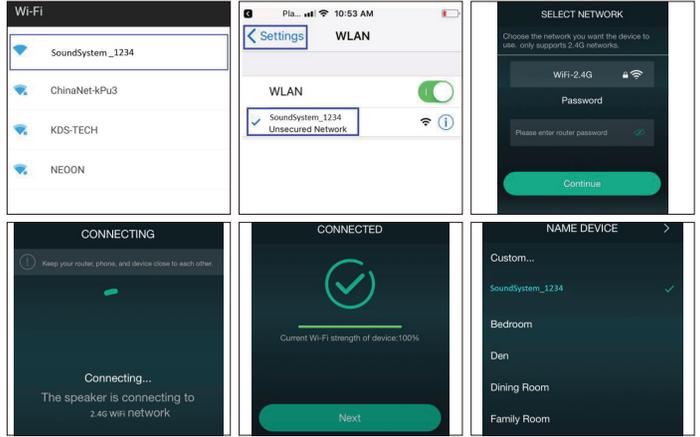
The application supports English, Spanish, French, German, Italian, Portugese, Korean, Simplified Chinese, Traditional Chinese and Japanese



5.2 Connection

5.2.1 Option 1 - Connection via app

1. Power the device.
2. Connect your mobile devices to your network.
3. Go for mobile device WLAN settings>Connect mobile device to hotspot SoundSystem_ xxxx you will see a WiFi logo . (short press the reset button if the hotspot is not found)
4. Open the 4STREAM application, follow the guides
5. Choose the 2.4G network(only 2.4G network will appear), enter router password>wait for the device to be configured.
* For multiple units connecting to same router, router password will be saved .



Attention:
When you press the WLAN to connect to the network, the cell phone may notify you "WLAN has no internet access". Tap and choose "Stay connected">go next step.

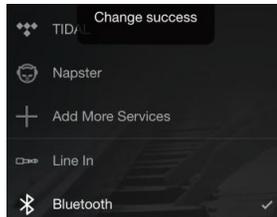
*Attention for Android users
Different brand mobile phones may ask you to allow to use SoundSystem WiFi network ,please choose yes, if not ,you may not able to set up successfully .

5.2.2 Option 2 - Connection via LAN

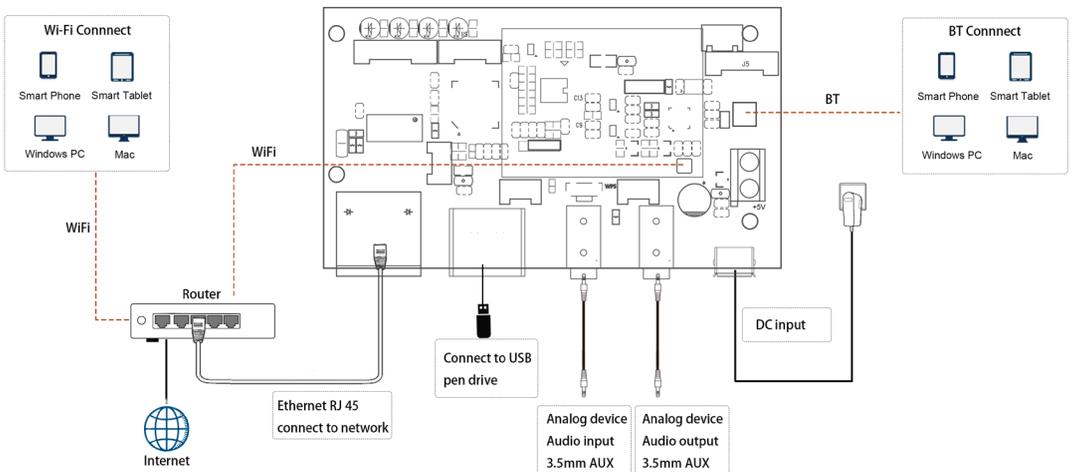
1. Plug in the wired cable to the RJ45 Ethernet, the device will show on the app in about 10 seconds. (Note: the cell phone and the device must be in the same network)

5.2.3 Option 3 - Bluetooth pair

1. Open the 4STREAM app.
2. Choose the Bluetooth mode at the bottom of the music source page of 4STREAM app.(to activate the Bluetooth).
3. Open the Bluetooth on the mobile device.
4. Pair to device Bluetooth "SoundSystem".



6. Connection Diagram



Scan the QR codes below for more



Complete User Manual



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4STREAM App



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