



IPAT-22 is a standalone Audio Streamer and Receiver. It has two inputs (Line In / Mic) and one output stereo (Line Out) 3.5 mm jack. IPAT-22 has a built-in web server and audio server. The built-in web server and Onair Cloud System enables remote controlling and built-in audio servers to enable easy re-streaming audio input.



It ensures lots of applications based on its multicapabilities. Thanks to its contained Icecast server it is able to broadcast audio. You can also stream the audio to external Icecast or Shoutcast server. IPAT-22 also able to act like a client for broadcasting audio. Basically, one device for all.

### Features:

- Internal Icecast compatible Audio Server
- Remote control over TCP/IP or cloud
- 3G/4G USB Modem Support
- Capability of transport: MPX+MPX, MPX+RDS, MPX+SCA, RDS+SCA etc.
- Streaming and receiving at the same time

### Stream:

- Creates digital FLAC/OGG/MP3 audio streams at selectable bit rates.
- Supported network connection methods: HTTP, BRTP, RTP, sip, raw UDP, raw TCP, Icecast, and Shoutcast.
- Streaming encryption and distribution methods: Shoutcast, Icecast
- Streaming analog audio(L/R) and composite (MPX/SCA/RDS) with up to 192 kHz sample rate.

### Receive:

- Crystal clear analog audio output with up to 192 kHz sample rate. It also can give composite (MPX/SCA/RDS).
- Receive other audio formats from remote URL's. It can decode Shoutcast, Icecast, FLAC, PCM streams also compatible with most of the digital audio codecs.

### Specifications:

#### Electrical:

- Voltage/Current: 5V/2A –Type C
- Power Consumption: 10 W max.

#### Internet:

- Max. 150Mbps WIFI connection
- 3G/4G USB Modem Support (USB 2.0)
- 10/100 Mbps Ethernet Connection

### Audio:

- 2.1Vrms Maximum input voltage
- 2.1Vrms Maximum output voltage
- 110db signal-to-noise ratio(typical) input
- 112db signal-to-noise ratio(typical) output
- 90 db THD+N (typical) input
- 93 db THD+N (typical) output
- 20Hz-76kHz frequency band
- 12db to 32dB Input gain
- 44.1 - 192kHz Sample rates



**Digital Audio Formats:** MP3, FLAC and OGG

**Physical Information:** 104x38x97mm (WxHxD) / 210 g

### BandWidth:

- 2 Channel, 192kHz, 24 bit -> 9000Mbps (MPX&RDS)
- 1 Channel, 192kHz, 24 bit -> 4500Mbps (MPX or RDS)
- 2 Channel, 48kHz, 16 bit -> 1500Mbps (L&R)
- 2 Channel, 44.1kHz, 16 bit -> 1379Mbps (L&R)

