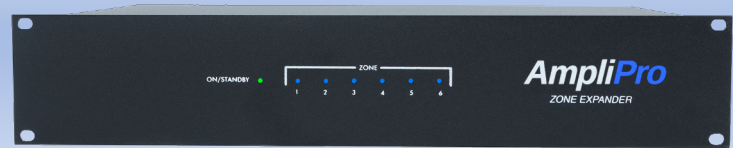


# AmpliPro



## AmpliPro® Multi Zone Audio Streaming System

The AmpliPro® multi zone audio system provides a complete, open-source platform for audio streaming, distribution, and amplification. The AmpliPro main unit can play up to four simultaneous stereo audio streams to up to six stereo zones. Real-time configuration of the system is possible through the self-hosted web app or its underlying REST API. The system is expandable to 36 stereo zones using AmpliPro Zone Expander units. The AmpliPro streamer unit provides up to four simultaneous line level stereo audio stream outputs. The AmpliPro system is compatible with existing smart home installations using the included drivers.

### Stream directly

- Pandora
- Airplay 1 / 2
- Spotify
- DLNA
- Internet Radio
- FM Radio
- Bluetooth
- Logitech Media Server

### Coming soon:

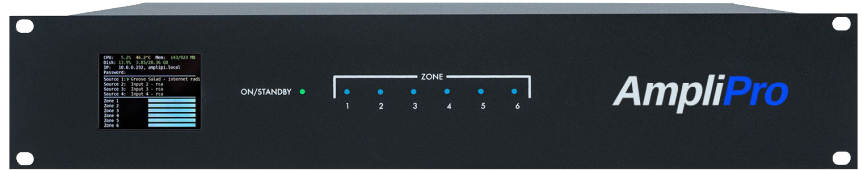
- TIDAL
- TuneIn Radio
- Amazon Music



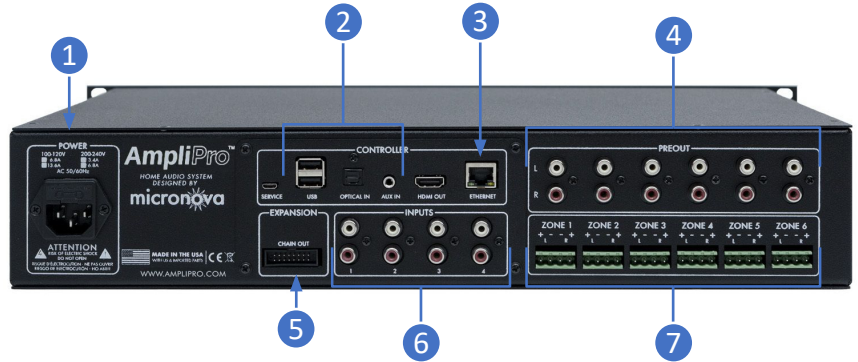
Assembled in the USA

**AmpliPro® is proudly assembled in the USA at our in-house electronics factory in metro Detroit**

The AmpliPro main unit provides a complete multi source whole house streaming audio system in one 19" rackmount enclosure.



- Up to 12 input sources (4 simultaneous)
- 6 stereo amplified speaker outputs
- 6 line level preamp outputs
- Play up to 4 streams (Spotify, Airplay, Pandora, etc) simultaneously.
- Full integration with existing Elan® / Control4® systems using the included driver



ITEM	DESCRIPTION
1. Power <ul style="list-style-type: none"> <li>• IEC 60320 C14 Fused Inlet</li> </ul>	100-120 VAC, 180-264 VAC by switch. 50-60Hz Maximum input 782W
2. Digital Inputs <ul style="list-style-type: none"> <li>A. 2 USB 2.0</li> <li>B. 1 Optical TOSLINK Input* 1 3.5mm Analog Input Digitally Sampled*</li> </ul>	A. Can be used for FM Radio receiver or Bluetooth dongle B. PCM, 48 kHz, 16-bit 3.5mm input can be digitally mixed into other sources (announce / PA mode)  *Only one of the optical or 3.5mm inputs can be used at the same time
3. Network <ul style="list-style-type: none"> <li>• 1 RJ-45 Jack</li> </ul>	100Mbps Ethernet
4. Preamp Outputs <ul style="list-style-type: none"> <li>• 6 Stereo Analog RCA Preamp Outputs</li> </ul>	Variable line level output -79dB to 0dB gain in 1.0dB steps Max output level: 2.0 VRMS (6dBV)
5. Expansion Connector <ul style="list-style-type: none"> <li>• 16-pin IDC</li> </ul>	Control and audio connections for up to 5 zone expander units supporting a total of 36 zones
6. Line Level Audio Inputs <ul style="list-style-type: none"> <li>• 4 Analog RCA Inputs</li> </ul>	Max input level: 2.0 VRMS (6dBV) Input Sensitivity: 0.35 VRMS
7. Amplifier Outputs <ul style="list-style-type: none"> <li>• 6 Stereo Amplified Outputs</li> <li>• Euroblock connectors</li> </ul>	Single channel RMS power @ 8 ohms: 32 W Single channel RMS power @ 4 ohms: 55 W All channels driven RMS power: 26 W per channel THD+N <0.1% @ 1 kHz S/N ratio: >95 dB (A) Crosstalk: >65 dB
Digital Channels	Up to 4 simultaneous digital streaming channels supported: Ch 1: up to 32-bit 384 kHz Ch 2-4 : up to 16-bit 48 kHz
Dimensions	2U 19" rackmount

AmpliPro expansion units can be added to an AmpliPro system to increase the amount of zone outputs. Up to 5 expansion units can be daisy-chained to a single AP1-S4Z6 main unit, providing a total of 36 zones.

Each expander unit provides:

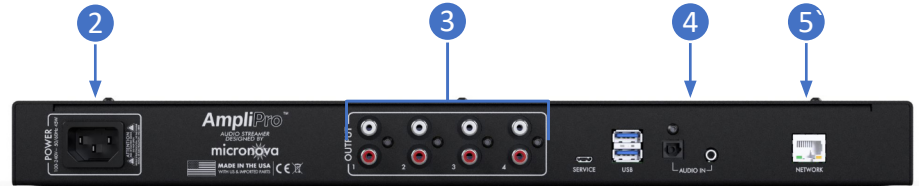
- 6 stereo amplified speaker outputs
- 6 line level preamp outputs



ITEM	DESCRIPTION
1. Power <ul style="list-style-type: none"> <li>• IEC 60320 C14 Fused Inlet</li> </ul>	100-120 VAC, 180-264 VAC by switch. 50-60Hz Maximum input 782W
2. Expansion Input Connector <ul style="list-style-type: none"> <li>• 16-pin IDC</li> </ul>	Upstream control and audio connections for zone expansion
3. Preamp Outputs <ul style="list-style-type: none"> <li>• 6 Stereo Analog RCA Preamp Outputs</li> </ul>	Variable line level output -79dB to 0dB gain in 1.0dB steps Max output level: 0.78 VRMS (-2.1dBV)
4. Expansion Output Connector <ul style="list-style-type: none"> <li>• 16-pin IDC</li> </ul>	Downstream control and audio connections for zone expansion
5. Amplifier Outputs <ul style="list-style-type: none"> <li>• 6 Stereo Amplified Outputs</li> <li>• Euroblock connectors</li> </ul>	Single channel RMS power @ 8 ohms: 32 W Single channel RMS power @ 4 ohms: 55 W All channels driven RMS power: 26 W per channel THD+N <0.1% @ 1 kHz S/N ratio: >95 dB (A) Crosstalk: >65 dB
Dimensions	2U 19" rackmount 12.5" D x 19" W x 3.5" H Weight: 15.3 lbs

The AmpliPro Streamer 4 adds streaming audio to any multi zone audio system. A Streamer 4 unit is capable of streaming up to 4 simultaneous audio streams from a variety of sources, including:

- Internet Radio
- FM Radio\*
- Bluetooth\*
- Logitech Media Server
- Pandora
- Airplay 1 / Airplay 2
- Spotify
- DLNA



\*Requires additional USB hardware dongle

ITEM	DESCRIPTION
1. System Status <ul style="list-style-type: none"> <li>• Power LED</li> <li>• E-Ink Display</li> </ul>	2.13", 250 x 122 pixel user-configurable E-Ink display. Default configuration shows network status and connection info: Host / IP / User / Password
2. Power <ul style="list-style-type: none"> <li>• IEC 60320 C14 Inlet</li> </ul>	100-240 VAC 50-60Hz Maximum input 45W
3. Outputs <ul style="list-style-type: none"> <li>• 4 Stereo Analog RCA Preamp Outputs</li> </ul>	Max output level: 0.78 VRMS (-2.1dBV) Ch 1 : up to 32-bit 384 kHz DAC output Ch 2-4 : up to 16-bit 48 kHz DAC output
4. Digital Inputs <ul style="list-style-type: none"> <li>A. 2 USB 2.0</li> <li>B. 1 Optical TOSLINK Input†</li> <li>1 3.5mm Analog Input Digitally Sampled†</li> </ul>	A. Can be used for FM Radio receiver or Bluetooth dongle B. PCM, 48 kHz, 16-bit 3.5mm input can be digitally mixed into other sources (announce / PA mode)  †Only one of the optical or 3.5mm inputs can be used at the same time
5. Network <ul style="list-style-type: none"> <li>• 1 RJ45 Jack</li> </ul>	100Mbps Ethernet
Dimensions	1U 19" rackmount 6" D x 19" W x 1.75" H Weight: 5 lbs