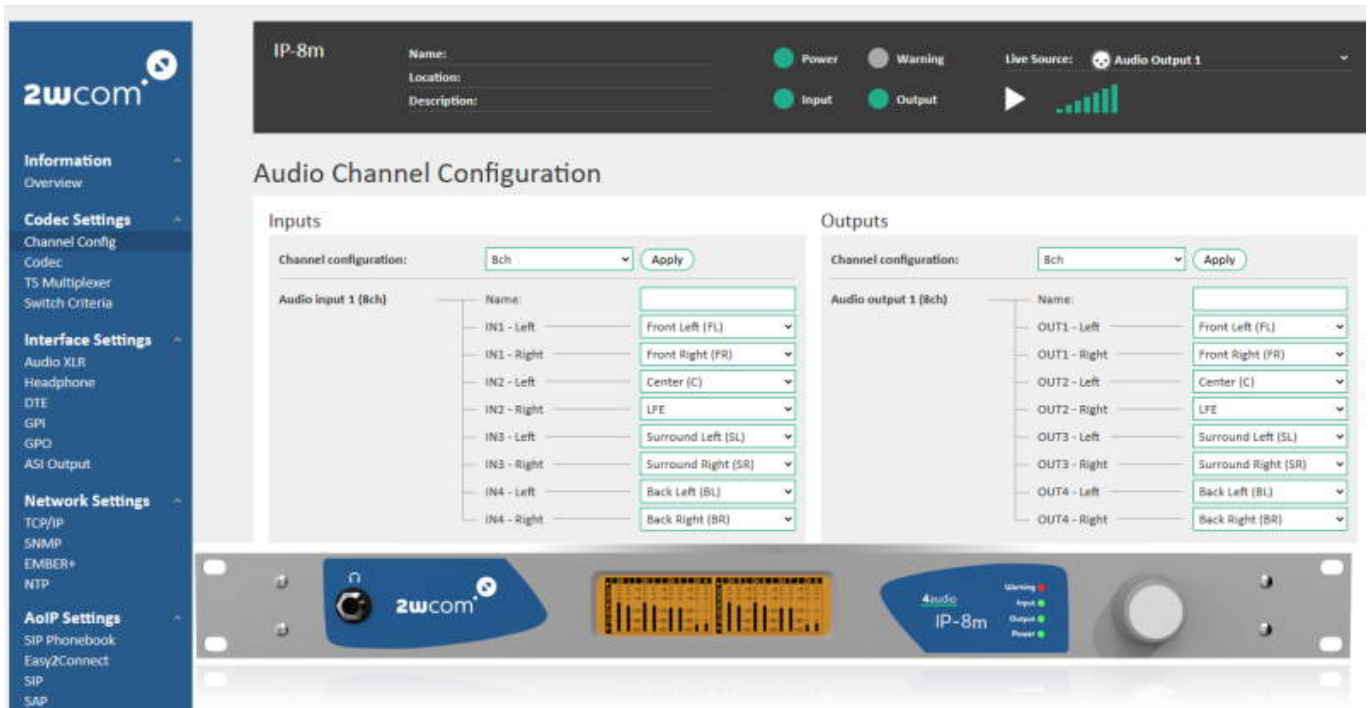


2wcom's IP-8m phase-locked multichannel codec for surround sound audio



The new eight-channel Audio over IP Codec allows for transmitting eight digital mono-channels in phase-locked mode (8.0, 7.1 or 6.0 & 2.0, 5.1 & 2.0 or 4.0 & 4.0). Hence, radio stations can provide live content not only in stereo but also in surround sound quality to their listeners. The multi-channel codec enables to feed live contributions into large or international broadcast networks via surround routers.

With the following features, the IP-8m supports audio broadcast applications such as live concerts and studio-to-studio connections: The codec provides Dolby Digital (AC-3), Dolby Digital+ (DD+ or E-AC-3), PCM, E-aptX, and AAC profiles as selectable audio algorithms. Protocols or standards such as EBU Tech 3326, AES67, RAVENNA, Livewire+, or SMPTE 2110 assure compatibility with third-party products.

24/7 operation is guaranteed by two internal or external power supplies, error correction mechanisms (Pro-MPEG FEC or SRT), streaming redundancy, and backup by alternative audio sources. The configuration of all parameters is done via an easy-to-use web interface or remotely via SNMP, Ember+, or JSON. A SIP phonebook simplifies intercommunication for remote connections by negotiating protocols and codec algorithms with just one click. The protocols for synchronization NTP, PTPv2, or 1PPS allow a synchronized playout down to 1 microsecond.

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