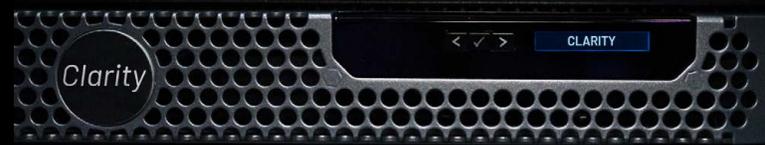


---

# Clarity

## (CP-1)

---



**Clarity** is a multi-mode adaptive digital signal processor that intelligently learns your venue's acoustical environment and results in increased speech intelligibility and up to 10 dB gain-before-feedback.



Different modes for multiple mix scenarios

Up to 10 dB increased gain-before-feedback

Increased speech intelligibility and stability

Boosts natural sonic qualities

Adapts to your environment



Providing sound reinforcement while maintaining clarity is one of the most difficult tasks in live audio. Achieving sufficient gain-before-feedback, minimizing stage volume in your vocal and instrument microphones, and keeping vocals "on top of the mix" with intelligibility are classic challenges that prove difficult to overcome.

Clarity is a multi-mode adaptive digital signal processor that intelligently learns your venue's acoustical environment and results in increased speech intelligibility and gain-before-feedback.

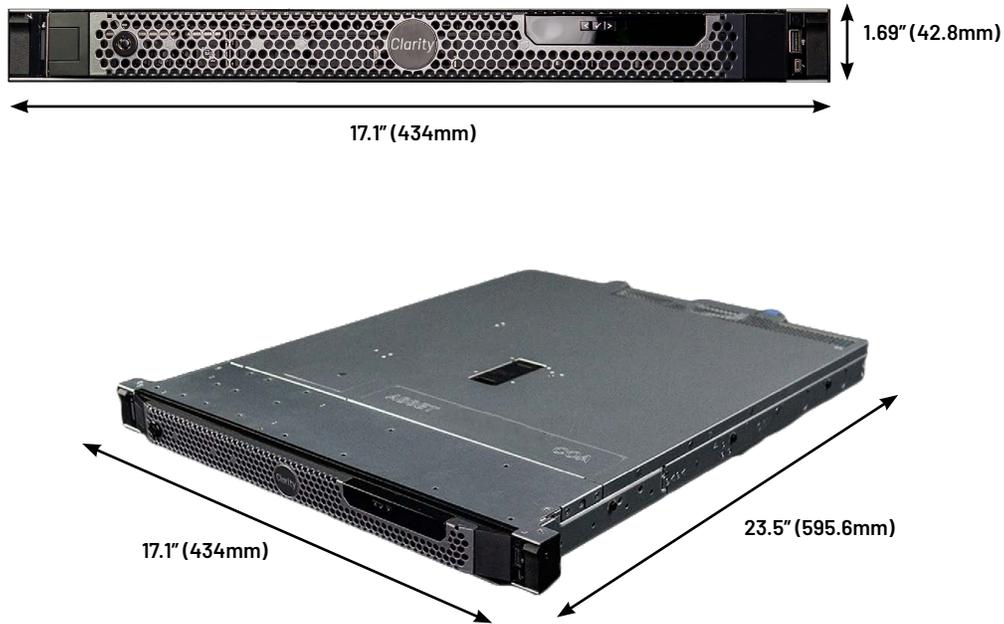
This proprietary technology is designed to increase clarity, stability, and maintain the sonic qualities of singing vocals and spoken word. With different modes for multiple mix scenarios, audio engineers can get vocals "on top of the mix" no matter the situation.

In combination with its use in sound reinforcement, the Clarity processor is equally effective for enhancing vocals and audience microphones for broadcast and recording mixes.

Apply Clarity to vocals to increase speech intelligibility with up to 10 dB of increased gain-before-feedback.

This proprietary technology is designed to increase clarity, stability, and enhance the sonic qualities of singing vocals and spoken word. Audio engineers can get their vocals "on top of the mix" with different mode selections created for multiple mix scenarios.

# Clarity Processor (CP-1)



	Clarity Processor (CP-1)
Power Supply	Internal 100V-240V, 6.5A-3.5A at 50/60 Hz
Power Consumption	450W
Audio Input	Up to 16 Channels of Dante™ network audio (48kHz only)
Audio Output	Up to 8 Channels of Dante™ network audio (48kHz only)
Frequency Response	20Hz to 20kHz
Network	1000/100 Mbps ethernet for Dante™ and Control 1000/100 Mbps ethernet for optional Control
Latency	5.33-21.33 ms (depending on mode) plus Dante™ network latency (minimum Dante™ latency 1 ms)
Dimensions (W x H x D)	(W x H x D): 434 x 42.8 x 595.6 mm (17.1 x 1.69 x 23.5 in)
Weight	12.2 kg (29.9 lb), accessories and packaging not included

## Ordering Information

Standard Part Number	Description
CP-1	Clarity DSP processor, Dante network audio IO, 16 in / 8 out. 1 RU rack mounted server.