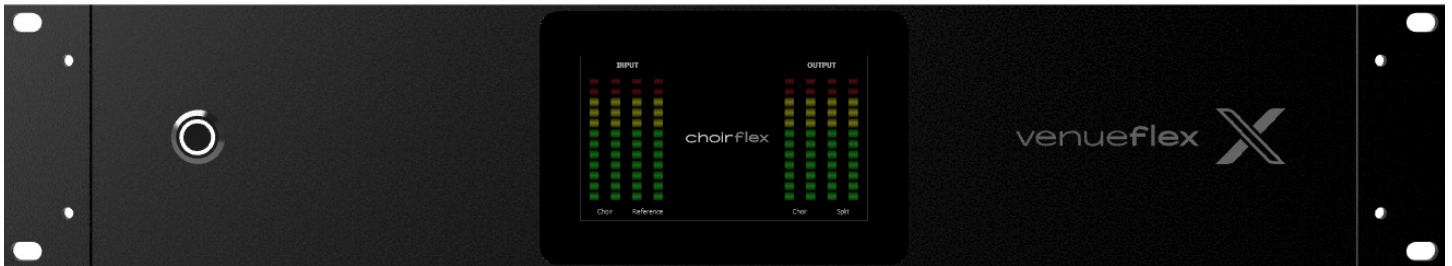


# choirflex X



Choirflex is a proprietary, adaptive digital audio processor designed to increase the clarity and stability of choir mixes and greatly reduce feedback while maintaining the natural sonic qualities of the choir. In combination with its use in sound reinforcement, Choirflex is equally effective for sending processed choir sounds to broadcast and recording mixes.

Choirflex can be connected to the mixing system via analog audio or via Dante-based network audio, depending on the version of the hardware. Choirflex intelligently learns and adapts to the venue's acoustical environment by monitoring both the microphone signals and the overall mix bus. This provides an enhanced choral sound that results in a much greater acoustical gain, overall loudness, and increased clarity while maintaining natural tonality.

## Applications

- Houses of Worship
- Theater
- Performing Arts
- Choir Recordings
- Choirs on Broadcast

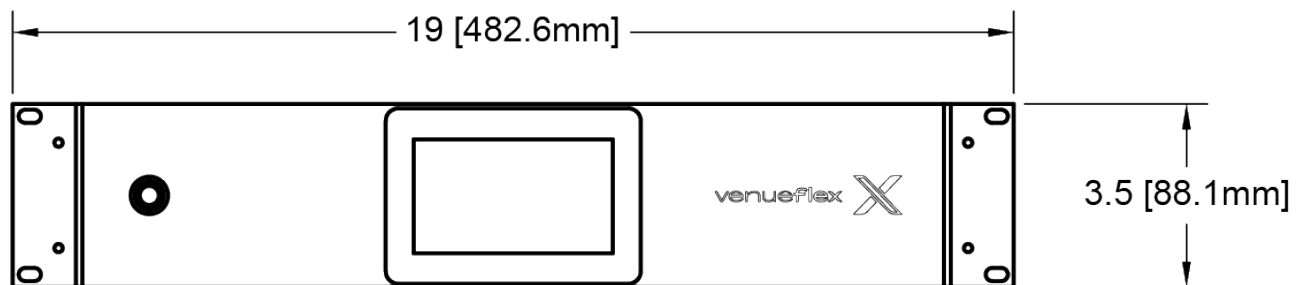
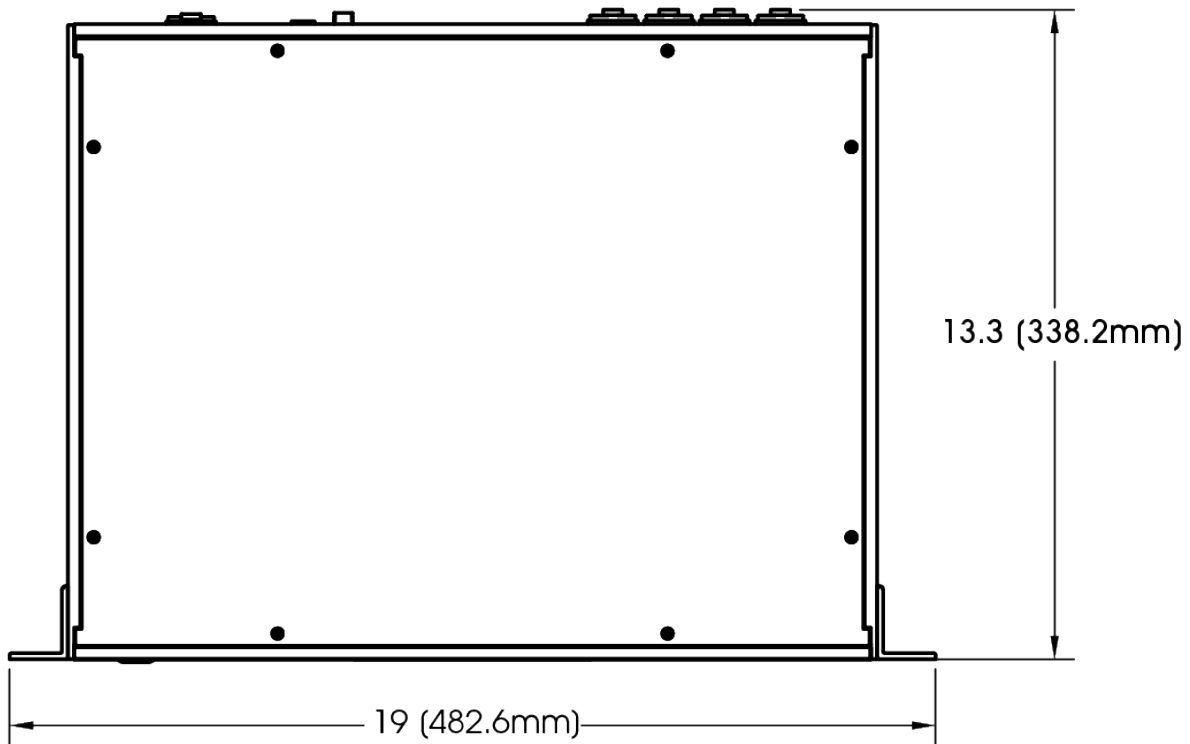
## Hardware Description

Choirflex is a digital signal processor that receives a stereo choir audio feed plus a stereo reference audio feed, and produces a stereo choir audio feed for reinforcement or recording.

Choirflex is available in two variants:

- Choirflex-A has analog audio inputs and outputs;
- Choirflex-D has network-based Dante audio inputs and outputs.

Both versions provide a primary stereo output pair, plus a secondary split output that can be used for recording or broadcast.





	Choirflex-A	Choirflex-D
Power Supply	External 90-264 V AC at 50/60 Hz, FCC Part 15 Class B, UL62368-1	
Power Consumption	70 VA	90 VA
Audio Input	4 channels line-level audio on balanced female XLR connectors, 10k $\Omega$ impedance	4 channels of Dante™ network audio (48kHz only)
Audio Output	4 channels line-level audio on balanced male XLR connectors, 50 $\Omega$ impedance	4 channels of Dante™ network audio (48kHz only)
Frequency Response	20Hz to 20kHz +/- 0.2dB	20Hz to 20kHz
Network	1000/100 Mbps ethernet (service only) on Neutrik etherCON	1000/100 Mbps ethernet (service only), 1000/100 Mbps ethernet Primary Dante™, 1000/100 Mbps ethernet Secondary Dante™ on Neutrik etherCON
Dimensions (W x H x D)	482.6 x 88.1 x 338.2 mm (19 x 3.5 x 13.3 in)	
Weight	5.5 kg (12.2 lb), accessories and packaging not included	

## Ordering Information

Standard Part Number	Description
Choirflex-A	Choirflex Analog IO DSP processor, 4 in / 4 out
Choirflex-D	Choirflex Dante IO DSP processor, 4 in / 4 out