product specification

Choirflex

Adaptive Microphone Processor

Overview

Providing sound reinforcement for choir can be one of the most difficult tasks in live audio. Achieving sufficient gain-before-feedback, minimizing stage-to-microphone leakage, and getting the choir "on top of the mix" with clarity are classic challenges that can prove difficult to overcome.

Choir reinforcement typically makes use of condenser microphones covering large groups, and is therefore subject to excessive room reverberation, PA system behavior, and feedback. The common result is a deteriorated choir mix that is prone to electroacoustic feedback and suffers from poor intelligibility.

Good microphone placement and console equalization can help, but are quite often not enough, and these "solutions" often deteriorate musicality and overall tonality.

Choirflex is a proprietary, adaptive microphone processor that intelligently adapts to your mix environment and provides processed choir audio with up to 10dB more gain before feedback, all while maintaining the natural sonic qualities of your choir.

In combination with its use in sound reinforcement, Choirflex is equally effective for sending processed choir audio to broadcast, recording and In-Ear Monitor mixes.

Available Upgrade

Micflex – adds six additional processing modes

Duet, Audience, Stage, Wedge, Lecture, and Sports
Visit the Micflex product webpage for more information.

Key Features

Greater Acoustical Gain

With up to 10dB more gain-before-feedback, easily get your choir on top of the mix

Adapts to Your Environment

Listens and intelligently adapts to your mix environment

Increased Clarity & Stability

Vocal intelligibility of every section in the choir, from bass to soprano

Maintains Natural Tonality

Clean, natural tone of your choir's vocal blend

Specifications

Power Supply

Internal 100V-240V, 6.5A-3.5A at 50/60Hz

Power Consumption

450W

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)

Physical Specifications

Dimensions (W x H x D)

18.97 x 1.68 x 19.55 in (482 x 42.8 x 496.8 mm)

Weight

22 lb (10 kg), accessories and packaging not included