

### VERSATILE CONNECTIVITY

Connections for Dante™, USB, mobile, and analog audio devices make enterprise-wide installation seamless in nearly any type of conference room.

### DIGITAL SIGNAL PROCESSING

Intellimix® digital signal processing includes 8 channels of acoustic echo cancellation, equalization, noise reduction, automatic gain control, and automatic mixing, to ensure professional-quality audio for your conferencing system.

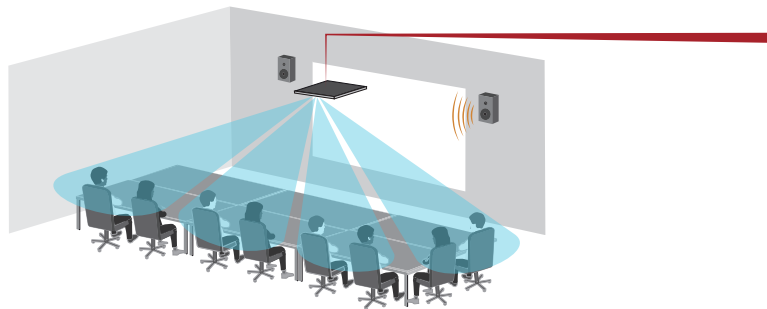
### FLEXIBLE SIGNAL ROUTING

The P300 matrix mixer can route any input to any output, for easy integration with almost any system. Templates for Shure Microflex® Advance™ and Microflex® Wireless systems optimize DSP settings with minimal setup time.

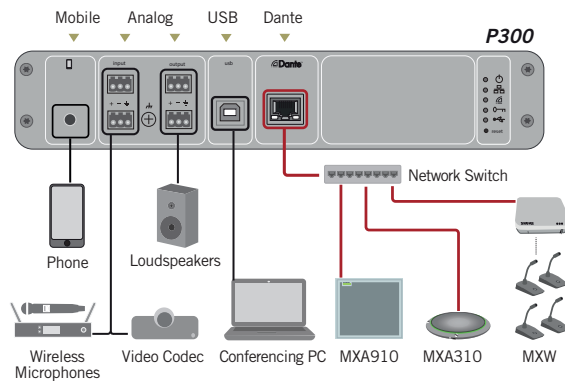
#### START HERE:

Follow the P300 signal flow through the schematic view.

- Up to 8 independent Dante channels from a Shure microphone system (MXA910, MXA310, or MXW) are sent to the P300 for digital signal processing. Per-channel acoustic echo cancellation effectively removes far-end audio that leaks into the microphone.



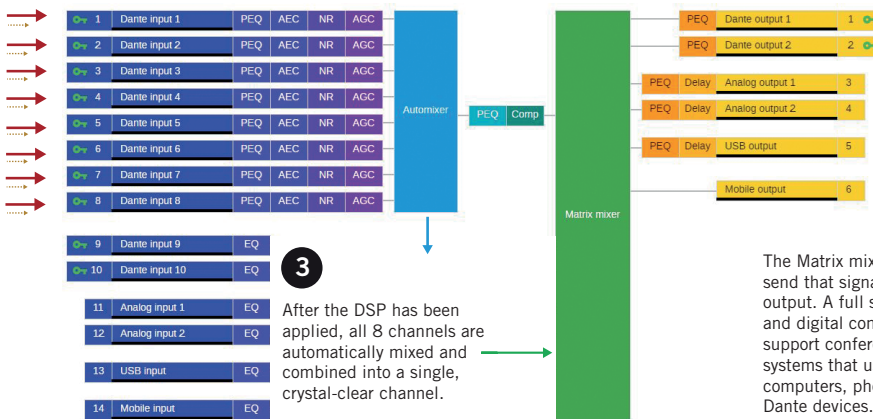
### CONNECTIONS



### SCHEMATIC VIEW

The intuitive user interface features a block for every processor, providing simple, efficient programming and signal management.

- Digital signal processing on each channel optimizes audio quality. Learn more about Intellimix DSP at the bottom of this diagram.



#### 3

After the DSP has been applied, all 8 channels are automatically mixed and combined into a single, crystal-clear channel.

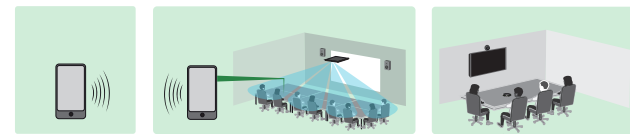
The Matrix mixer lets you send that signal to any output. A full set of analog and digital connections support conferencing systems that use codecs, computers, phones, or Dante devices.

### PRE-CONFIGURED FOR EASY SETUP

Streamline the setup process and maximize audio quality with templates, presets, and microphone optimization designed for Shure MXA910, MXA310, and MXW systems. The matrix mixer defaults reduce time spent on signal routing in most installations, and provide a flexible starting point for more complex designs.

### CONNECT MORE PEOPLE AROUND THE WORLD

Example: you're in a conference call, and you need to include a decision maker who is traveling. You can call them and the P300 seamlessly connects all three locations.



The P300 distributes audio across all three locations when you plug a phone into the mobile input. The phone is simply used to carry

### INTELLIMIX® DSP ON 8 DANTE™ CHANNELS

#### Encryption

on each Dante channel ensures secure audio transmission.

#### EQ Equalization

adjusts frequency response for each channel to improve speech clarity.

#### AEC Acoustic Echo Cancellation

removes far end audio that leaks into the microphone, and only lets talkers' voices through.

#### NR Noise Reduction

helps to overcome challenging room acoustics by minimizing unwanted hiss or rumble from the audio signal.

#### AGC Automatic Gain Control

adjusts the volume on each channel to ensure consistency between quiet and loud talkers.