

Mira Connect Integration

Shure[®] IntelliMix P300

Audio Conferencing Processor

The Shure IntelliMix P300 Audio Conferencing Processor can be controlled with Mira Connect[™], Aveo Systems' smart control appliance. The Shure P300 offers IntelliMix DSP algorithms optimized for audio and video conferencing applications, featuring 8 channels of acoustic echo cancellation, noise reduction, and automatic gain control to ensure a high-quality audio experience.

Mira Connect communicates and controls the Shure IntelliMix P300 over an Ethernet network using channel numbers defined in the Shure IntelliMix P300 API document.

To integrate the Shure IntelliMix P300 with Mira Connect, first browse into the Shure IntelliMix P300 and customize the audio processing settings for your application. The <u>Shure Web Device Discovery Application</u> makes it easy to find the Shure IntelliMix P300 on your network. Next, add the Shure IntelliMix P300 to the room in Mira Portal (<u>https://mira.aveosystems.com</u>), enter its IP address and press 'add equipment'. Mira Connect will connect to the Shure IntelliMix P300 and show status of the connection and control points.

To edit the equipment, select Edit from the device's menu, select Audio Controls and select the desired control points and then press 'update equipment'. Mira Portal will show the equipment status as a green circle if all the control points are valid.

> Note: Presets in the Shure IntelliMix P300 store all parameters in the device. As a result, restoring a preset with the 'Overflow Room' user interface can cause volume and mute status to change depending on the settings stored in the preset. While Mira Connect tracks those changes automatically, users may not expect volume or mute status to change when enabling or disabling an overflow room.

Important information about the integration is summarized below.

Connection Interface

Network connection using TCP, port 2202

Room Volume Control

Mira Connect uses 50dB of the output gain range corresponding to +12 to -38dB. Setting the Mira Connect room volume to its minimum will set the output gain to -110dB (-infinity), preventing audio from being heard in the room.

Software Versions

Tested with device firmware 2.1.6



SHURE

Equipment	ADD					
Shure IntelliMix P300	:					
192.168.20.110						
Firmware: 3.1.6						



Mira Connect

Aveo Systems, Inc. 1791 West Oak Parkway Suite 8 Marietta, GA 30062 Phone: +1.678.653.7090 Fax: +1.844.fax.aveo Email: info@aveosystems.com WWW.aveosystems.com

		SHURE	Help
	Schematic Inputs	ts Automixer Matrix mixer Outputs	
	1 Dante input 1	EQ AEC NR AGC PEQ Dante output 1	1 0
P300	2 Dante input 2	EQ AEC NR AGC PEQ Dante output 2	2 0-
P SOUTHINK	3 Dante input 3	EQ AEC NR AGC PEO Delay Analog output 1	3
Mute all	4 Dante input 4	EQ AEC NR AGC - Autombor	4
Identify	5 Dante input 5	EQ AEC NR AGC PEQ Comp -	
	6 Dante input 6	EQ AEC NR AGC - PEQ Delay USB output	5
	7 Dante input 7	EQ AEC NR AGC	
💥 Configuration	8 Dante input 8	EQ AEC NR AGC	6
Settings		Matrix mixer	
	9 Dante input 9	EQ	
	10 Dante input 10	EQ	
	11 Analog input 1	F0	
	12 Analog input 2		
	Analog Input 2	EV	
	13 USB input	EQ	
Templates			
	14 Mobile input	EQ	
Presets -			

The Shure IntelliMix P300 System processing diagram shows the signal flow. Double-click any processing or input and output block to customize the settings for your application.

Shure IntelliMix P300 Configuration Settings								2	SHU	RE					Help
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Microphone mute		o v 9 Dante	0	0	0	0	0	0	0	0	0.0	٩	C Leave last mic on Off Attenuation (dB)		
Use presets	Ē	11 Analo 12 Analo 13 USB 14 Mobit	0	0	C	0	0	•	•	Ø					

Select the Audio Controls from the list of discovered channel numbers and descriptions. In this example, the microphone mute for the system uses the Automixer Output Mute control.

For more information please contact our Sales Department at sales@aveosystems.com.

About Aveo Systems

Aveo Systems is a leading provider of intuitive and easy-to-use solutions for audio, video, and collaboration, improving how systems are used and managed by customers world-wide.



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