

DATA SHEET

DEVIO® SCR-20

CONFERENCE HUB



The Devio SCR-20 is a conferencing hub that provides users with exceptional AV experiences when using web-based conferencing systems. Intended for huddle rooms or small conference rooms, the SCR-20 uses Beamtracking™ microphones and professional grade DSP to optimize the audio quality, allowing far-end conference participants to experience the conversation naturally. The Devio SCR-20 supports a variety of room designs for computer-based conferencing including a BYOD approach or connection via a dedicated in-room PC. Devio works in concert with PCs running a variety of web-based conferencing solutions including Microsoft Skype for Business/Microsoft Teams, Zoom, BlueJeans, Google Hangouts™/Google Meet, and many more. For ease of network and device management, Devio can be monitored and managed remotely via SNMP or with the Devio System Administration Utility (SAU) software, and firmware updates can be scheduled and deployed to multiple Devio units as needed.

FEATURES

- Works in concert with PCs running web-based conferencing solutions, including Microsoft Skype for Business/Microsoft Teams, Zoom, BlueJeans, Google Hangouts™/Google Meet, and many more
- Supports both Windows and Mac PCs, and uses standard audio drivers
- Supports driverless, pass-through HDMI connectivity to a single in-room display, or to two monitors with USB video using DisplayLink¹ USB graphics technology
- Auto Setup validates device connections, adjusts room levels, and sets speaker EQ to optimize audio quality
- Can be monitored and managed remotely via SNMP or with the Devio System Administration Utility (SAU)
- Firmware updates can be scheduled and deployed to multiple Devio units via the SAU
- Speaker connectivity options include HDMI audio, a built-in 20W amplifier, or RCA line out
- Ships with a mounting bracket for under-the-table installation and one Beamtracking microphone
- CE marked, UL listed, and RoHS compliant
- Covered by Biamp Systems' five-year warranty

¹ DisplayLink USB video technology compatible with Windows 7, 8, 8.1, and 10.

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ARCHITECTS & ENGINEERS SPECIFICATIONS

The conferencing hub shall be designed to connect web-based soft codec conferencing systems with in-room audio and video devices. The conferencing hub shall utilize an Ethernet network via an RJ-45 connector for software configuration and control. The signal processing of the conferencing hub shall be configurable via the Devio System Administration Utility (SAU) software or Simple Network Management Protocol (SNMP) version 2, including but not limited to: acoustic echo cancellation and automatic gain control, as well as control, monitoring, and diagnostic tools. The conferencing hub shall receive microphone input via an RJ-45 connector. The conferencing hub shall connect to a Windows® or Mac OS X computer via a Universal Serial Bus (USB) connection using a standard USB type B connector. The conferencing hub shall be equipped with two USB 3.0 type A ports on the front panel, and one USB 3.0 type A port on the rear panel. The conferencing hub shall be able to receive and transmit audio streams over USB via a USB Class 1 Audio device. The conferencing hub shall support an automated audio setup process that confirms device connections and optimizes audio output levels after physical installation is complete. The conferencing hub shall be equipped with one High-Definition Multimedia Interface (HDMI®) port on the front panel, and two HDMI ports on the rear panel. The conferencing hub shall support driverless, pass-through HDMI connectivity to a single in-room display, or to two monitors via USB video using DisplayLink USB graphics technology. The conferencing hub shall provide one output channel of 20 watts of continuous power, and shall support one RCA line-out connection. The conferencing hub shall be CE marked, UL listed, and compliant with the RoHS directive. Warranty shall be five years. The conferencing hub shall be the Devio® SCR-20.

DEVIO SCR-20 SPECIFICATIONS

Network Connection:	RJ-45 with Ethernet cable (Cat 5e and above)	Amplifier:	
Front Panel Indicators:	Mic Status Indicator (Green/Red LED) Room Tuning Indicator (Green/Red LED) Power Indicator (Green/Red LED)	Number of Channels:	1
Power:	24V DC 60W	Continuous Power Output (THD+N < 0.025%):	20 W into Rated Load Impedance
Video:		Frequency Response (20 Hz - 20 kHz):	+0.2/-0.5 dB
Supported Resolutions:	640 x 480p (60 Hz) 720 x 480p (60 Hz) 720 x 576p (50 Hz) 1280 x 720p (50/60 Hz) 1920 x 1080p (50/60 Hz) *3840 x 2160p (30 Hz)	THD+N (1 kHz, 20 kHz bandwidth, 1 W):	< 0.03%
Physical Interface:	HDMI	Dynamic Range (THD+N < 0.5%):	100 dB, A-Weighted
HDCP Support:	1.4	Minimum Operational Load:	4Ω
HDMI Audio Formats:	2ch L-PCM, 44.1 kHz/48 kHz, 16-bit	Intermodulation distortion (SMPTE, 60 Hz/7 kHz, 4:1, 1W):	< 0.07%
Analog Audio Output (RCA):		USB:	
Frequency Response (20 Hz - 20kHz,FS):	+0/-0.25 dB	Bit Depth:	24-bit
THD+N (20 Hz - 10 kHz, 20 kHzB/W,FS):	< 0.005%	Sample Rate:	48 kHz
Dynamic Range (THD+N < 0.005%):	107 dB, A-Weighted	Device Charging:	**Up to 5 W
Output Impedance (unbalanced):	100Ω	Overall Dimensions:	
Maximum Output:	+8.5 dBu	Height:	1.8 inches (46 mm)
Sampling Rate:	48 kHz	Width:	11.2 inches (284 mm)
D/A Converters:	24-bit	Depth:	6.9 inches (175 mm)
SNMP:	See support website for the full list of attributes	Weight:	2.0 lbs (0.9 kg)
		Environmental:	
		Ambient Operating Temperature Range:	32-104° F (0-40° C)
		Humidity:	0-95% relative humidity (non-condensing)
		Altitude:	0-6,600 ft (0-2000 m) MSL
		Compliance:	FCC Part 15B (USA) UL and C-UL listed (USA and Canada) CE Marked (Europe) RoHS Directive (Europe)

* Supported on Output Port 1 only

** Requires USB connection to computer

DEVIO SCR-20 BACK PANEL

