

DATA SHEET

DEVIO® CR-1

CONFERENCE HUB



The Devio CR-1 is the hub that creates a desktop-like experience away from the desk, allowing you to connect to the AV technology in a meeting room simply by connecting your laptop to a USB cable. Connecting to the CR-1 gets your laptop connected to the Devio beamforming microphone, the loudspeaker installed in the room, and one or two displays¹ for sharing content locally, and offers multiple USB ports for attaching computer peripherals like a web camera for video conferencing. Acoustic Echo Cancellation and automatic gain control technology ensures everyone participating in the meeting can hear and be heard. With the laptop handling the connection to conferencing systems, Devio works easily with a host of conferencing solutions including Microsoft Skype for Business (Microsoft Lync[®]) and Microsoft Skype[®], Citrix GoToMeeting[®], Cisco WebEx[®], and Google Hangouts[™].

FEATURES

- USB 2.0/3.0 input for single-cable audio/video connectivity
- Integrated DisplayLink USB graphics technology enables connecting to one or two displays over USB¹ (requires installation of DisplayLink driver on laptop)
- Pass-through HDMI connectivity for driverless connection to display
- Acoustic Echo Cancellation
- Automatic room setup
- Automatic gain control
- Speaker connectivity includes built-in 20W amplifier or RCA line-out
- Devio System Administration Utility (SAU) and support for SNMP device management over corporate network
- Includes mounting bracket for under-the-table installation
- Ships with one tabletop or one ceiling beamforming microphone with 360-degree coverage and the ability to add an additional microphone of the same type
- Two-year Biamp Systems warranty

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

SPECIFICATIONS: CR-1

FRONT PANEL CONNECTORS

Upstream USB 3.0 Port (Type B Male Connector): USB connectivity from computer to Devio CR-1 for audio and video, DisplayLink USB graphics technology enables connection to one or two displays (supports Windows 7, 8, 8.1, and 10)

2 Downstream USB 3.0 Ports (Type-A Female Connector): Two USB 2.0/3.0 ports for attaching additional peripherals to the computer

HDMI Input Port: Enables driverless, pass-through video connection from computer to one in-room display via Devio CR-1

REAR PANEL CONNECTORS

24V DC Input: Locking connection for Devio CR-1 60W inline power supply

Ethernet (RJ-45): 10/100/1000Base-T Ethernet network connection

2-pin Phoenix Connector: 20W powered output speaker connection

4-pin Phoenix Connector: For bridging in-room telephone into audio conferences via headset jack (sidetone must be disabled)

Line Out (RCA): Alternative connection to self-powered speakers (mono signal on both channels, optional balanced audio output)

MIC Out (RJ-45): Cat-5/5e/6 cable connection to Devio DTM-1 or DCM-1 microphone

2 HDMI Output Ports: Supports video output to up to two in-room HDMI-equipped displays

Downstream USB 2.0 Port: Additional USB 2.0 peripheral connection (ideal for USB Camera)

LINE OUTPUT

Full Scale Level: +8.5 dBu
Freq. Response (20 Hz-20 kHz @ FS): +0/-0.25 dB
Dynamic Range: 95 dB A-Weighted (THD+N < 0.01%)
THD+N (20 Hz-10 kHz, 20 kHz BW) @ FS: <0.011%
Signal to Crosstalk Ratio (20 Hz-20 kHz) @ FS: 85 dB (one channel driven)

POWER AMPLIFIER

Continuous Output Power: 20W into Rated Load Impedance < 0.025% THD+N
Rated Impedance: 8 Ω to 4 Ω (short circuit protection)
Freq. Response (20 Hz-20 kHz @ 20W): +0.2/-0.5 dB
THD+N @ 1 kHz, 1W (20 kHz BW): <0.02%
Dynamic Range: 97 dB A-Weighted (THD+N < 0.025%)

HEADSET I/O

Full Scale Level: +1 dBu
Freq. Response (200 Hz - 8 kHz @ FS): +0.5/-0.5 dB
THD+N (1kHz - 4 kHz, 8 kHz BW) @ FS: < 0.05%
Dynamic Range: 80dB A-Weighted (THD+N < 0.05%)

USB Audio sampling rate and bit rate: 48 kHz, 16 bit

System Administration Utility Capabilities: Remote/networked-based CR-1 device access and management, install firmware updates, perform Auto Setup

Supported video resolutions: 640 x 480p / 60Hz 4:3
 720 x 480p / 60Hz 4:3
 1280 x 720p / 60Hz 16:9
 1920 x 1080p / 60Hz 16:9
 720 x 576p / 50Hz 4:3
 1280 x 720p / 50Hz 16:9
 1920 x 1080p / 50Hz 16:9

USB Device Charging: Up to 5W, requires USB connection to computer

SNMP CAPABILITIES

Read: Devio Firmware Version, USB Connection Status, Call In Progress, Microphone Audio Present, Far End Audio Present, Auto Setup Status Device Operational

Notification: USB Connection Notification, Microphone Connected Notification, Line Fault Notification, Auto Setup Status Notification, Call In Progress Notification

OVERALL DIMENSIONS

Height: 1-13/16 inches (46 mm)
Width: 11-3/16 inches (284 mm)
Depth: 6-7/8 inches (175 mm)
Weight: 2.05 lbs (0.93 kg)

ENVIRONMENTAL

Operating Temperature: 0° to 45° C / 32° to 113° F
Humidity Range: 0% to 95% RH non-condensing
Altitude: 0-6,600 Feet MSL (0-2000 Meters MSL)
Front Panel Indicators: Power, Mic Status, Auto Setup Status

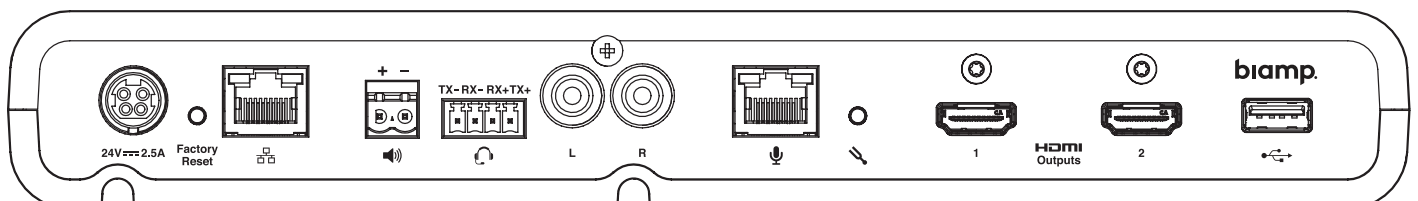
Compliance:

UL and C-UL listed (USA & Canada)
 FCC Part 15, Class A (USA)
 FCC Part 68 (USA)
 Industry Canada CS-03 (Canada)
 CE Marked (Europe)
 RCM (Australia)
 EAC (Eurasian Customs Union)
 RoHS Directive (Europe)
 NOM (Mexico)
 CCC (China)
 KCC (Korea)

DEVIO CR-1 FRONT PANEL



DEVIO CR-1 BACK PANEL



DATA SHEET

DEVIO® SCR-20

CONFERRING 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 DTM-1 tabletop or one DCM-1 ceiling microphone
- CE marked, UL listed, and RoHS compliant
- Covered by Biamp Systems' two-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 from either a beamtracking DTM-1 tabletop or DCM-1 ceiling microphone 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 two years. The conferencing hub shall be the Devio SCR-20.

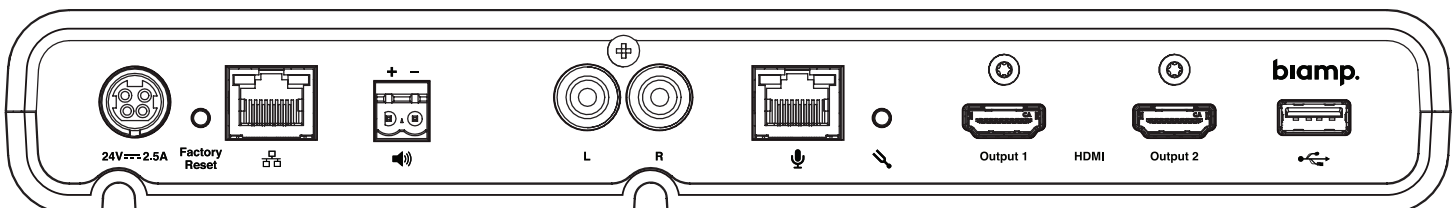
DEVIO SCR-20 SPECIFICATIONS

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 - 20 kHz, FS):	+0/-0.25 dB	Bit Depth:	24-bit
THD+N (20 Hz - 10 kHz, 20 kHz B/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



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DEVDS-505-1802-EN-R1

DATA SHEET

DEVIO® SCR-25

CONFERENCE HUB WITH BLUETOOTH® WIRELESS TECHNOLOGY



The Devio SCR-25 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-25 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-25 supports a variety of room designs for computer-based conferencing including a BYOD approach, connection via a dedicated in-room PC, or joining via POTS/VoIP handset in the room. The SCR-25 also uses Bluetooth™ wireless technology to provide a cable-free solution for users who prefer conferencing via mobile phone. 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
- Supports Bluetooth wireless technology
- 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 DTM-1 tabletop or one DCM-1 ceiling microphone
- CE marked, UL listed, and RoHS compliant
- Covered by Biamp Systems' two-year warranty

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

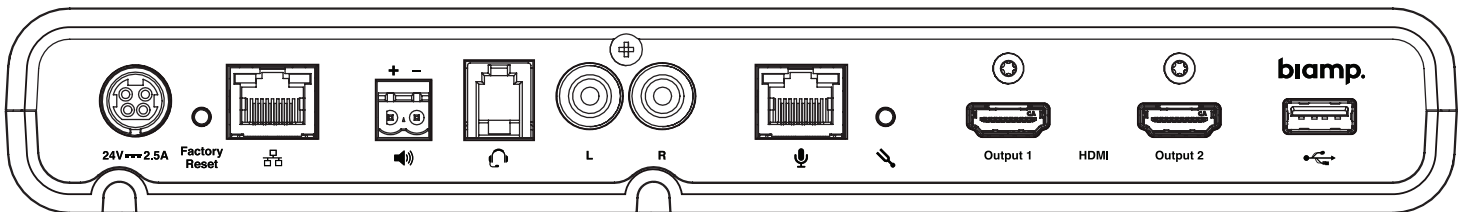
DEVIO SCR-25 SPECIFICATIONS

Network Connection:	RJ-45 with Ethernet cable (Cat 5e and above)	SNMP:	See support website for the full list of attributes
Front Panel Indicators:	Mic Status Indicator (Green/Red LED) Room Tuning Indicator (Green/Red LED) Power/Wireless Indicator (Green/Red/Blue LED)	USB:	Bit Depth: 24-bit Sample Rate: 48 kHz Device Charging: **Up to 5 W
Power:	24V DC 60W	Bluetooth Wireless Technology:	4.2, Class 2 Bluetooth Classic Hands-Free Profile 1.7 (HFP) Audio/Video Remote Control Profile 1.6 (AVRCP) Advanced Audio Distribution Profile 1.3 (A2DP) CVSD (8 kHz), mSBC (16 kHz) SBC (44.1 kHz), SBC (48 kHz)
Video:	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)	Supported Profiles:	
Physical Interface:	HDMI	Supported Codecs:	
HDCP Support:	1.4	Maximum Transmit Power:	
HDMI Audio Formats:	2ch L-PCM, 44.1 kHz/48 kHz, 16-bit	BER/EDR:	6.43 dBm (EIRP)
Headset:		BLE:	7.69 dBm (EIRP)
Frequency Response (200 Hz - 8 kHz, FS):	±0.5 dB	Receive Sensitivity (0.1% BER):	-88 dBm
THD+N (1 kHz - 4 kHz, 8 kHz B/W, FS):	< 0.05%	Frequency Band:	2402-2480 MHz
Dynamic Range (THD+N < 0.05%):	80 dB, A-Weighted	Wireless Range:	Up to 100 feet (30 m)
Maximum Output:	-3 dBu	Overall Dimensions:	
Analog Audio Output (RCA):		Height:	1.8 inches (46 mm)
Frequency Response (20 Hz - 20 kHz, FS):	+0/-0.25 dB	Width:	11.2 inches (284 mm)
THD+N (20 Hz - 10 kHz, 20 kHz B/W, FS):	< 0.005%	Depth:	6.9 inches (175 mm)
Dynamic Range (THD+N < 0.005%):	107 dB, A-Weighted	Weight:	2.0 lbs (0.9 kg)
Output Impedance (unbalanced):	100Ω	Environmental:	
Maximum Output:	+8.5 dBu	Ambient Operating Temperature Range:	32-104° F (0-40° C)
Sampling Rate:	48 kHz	Humidity:	0-95% relative humidity (non-condensing)
D/A Converters:	24-bit	Altitude:	0-6,600 ft (0-2000 m) MSL
Amplifier:		Compliance:	FCC Part 15B (USA) UL and C-UL listed (USA and Canada) CE Marked (Europe) RoHS Directive (Europe)
Number of Channels:	1		
Continuous Power Output (THD+N < 0.025%):	20 W into Rated Load Impedance		
Frequency Response (20 Hz - 20 kHz):	+0.2/-0.5 dB		
THD+N (1 kHz, 20 kHz bandwidth, 1 W):	< 0.03%		
Dynamic Range (THD+N < 0.5%):	100 dB, A-Weighted		
Minimum Operational Load:	4Ω		
Intermodulation distortion (SMPTE, 60 Hz/7 kHz, 4:1, 1W):	< 0.07%		

* Supported on Output Port 1 only

** Requires USB connection to computer

DEVIO SCR-25 BACK PANEL



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 from either a beamtracking DTM-1 tabletop or DCM-1 ceiling microphone 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 able to bridge a call from a connected telephony headset interface via a 4P4C connector. The conferencing hub shall support Bluetooth® wireless technology and shall be compatible with the Hands-Free Profile, Headset Profile, and Advanced Audio Distribution Profile. The conferencing hub shall support the mSBC, AAC, aptX codecs. The conferencing hub shall be CE marked, UL listed, and compliant with the RoHS directive. Warranty shall be two years. The conferencing hub shall be the Devio SCR-25.

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DATA SHEET

DEVIO® DTM-1

BEAMTRACKING™ TABLETOP MICROPHONE



The DTM-1 is a tabletop microphone for use in Devio® systems. Each microphone includes beamtracking™ technology with three 120-degree zones, providing full 360-degree coverage of the meeting space. The DTM-1 microphone actively tracks and intelligently mixes conversations from around the table, allowing far-end conference participants to experience the conversation naturally. The Devio DTM-1 comes with three capacitive-touch buttons for managing mute state, and each microphone comes with an additional RJ-45 connector for daisy-chain connections. A maximum of two DTM-1 microphones are permitted per daisy chain. The Devio DTM-1 is well suited for huddle rooms or small conference rooms that require cost effective, high-quality audio solutions.

FEATURES

- Beamtracking technology actively tracks and intelligently mixes conversations
- Three 120-degree zones for 360 degrees of coverage
- Three LED mute status indicators
- Two selectable directivity modes
- Three capacitive touch mute buttons
- Mounting plate for secure installation included
- Easy single-cable installation process
- Additional RJ-45 for daisy-chain connection to another DTM-1 microphone (maximum of two mics per daisy chain)
- CE marked, UL listed, and RoHS compliant
- Covered by Biamp Systems' two-year warranty

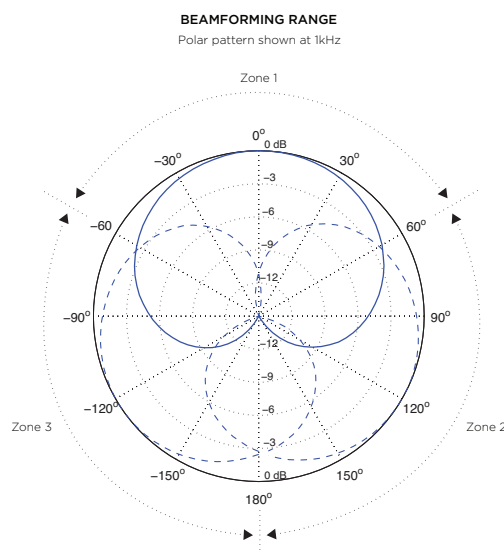
NOTE: DTM-1 TABLETOP MICROPHONES AND DCM-1 CEILING MICROPHONES CANNOT BE DAISY-CHAINED TOGETHER..

ARCHITECTS & ENGINEERS SPECIFICATIONS

The beamtracking™ tabletop microphone shall be designed exclusively for use with Devio® systems. The beamtracking tabletop microphone shall utilize a proprietary network via an RJ-45 connector for audio networking as well as software configuration and control. The beamtracking tabletop microphone shall contain eight-element microphones, and shall provide three 120-degree zones for 360 degrees of coverage. The beamtracking tabletop microphone shall offer multidirectional beamforming and automatic signal tracking capabilities. The beamtracking technology shall operate in conjunction with acoustic echo cancellation technology (AEC) in accordance with U.S. Patent 9659576. The beamtracking tabletop microphone shall include three capacitive-touch buttons for changing mute state, and shall support single-cable installation and tabletop mounting. The beamtracking tabletop microphone shall provide a second RJ-45 connector to allow an additional beamtracking tabletop microphone to be daisy-chained together. The beamtracking tabletop microphone shall be CE marked, UL listed, and compliant with the RoHS directive. Warranty shall be two years. The beamtracking tabletop microphone shall be Devio DTM-1.

DEVIO DTM-1 SPECIFICATIONS

Microphone Technology:	8-Element Digital Array	Power Requirements:	< 1 W, phantom powered from CR-1/SCR-20/SCR-25
Frequency Response (150 Hz - 16 kHz):	± 3 dB	Max Distance Between Devices:	49 feet (15 meters) from CR-1/SCR-20/SCR-25 to DTM-1; 49 feet (15 meters) for daisy-chained connections between DTM-1 microphones
Polar Pattern:	Active Beamformed	Overall Dimensions:	
Sensitivity (94 dB SPL, 1 kHz):	> 70 dB, A-Weighted	Height:	2.2 inches (56 mm)
Maximum SPL (at 0.5% THD):	106 dB SPL	Width:	5.1 inches (130 mm)
Dynamic Range (THD+N < 10%):	92 dB, A-Weighted	Depth:	4.8 inches (121 mm)
Automatic Noise Suppression:	4 modes: Off, Low (Default), Medium, High	Weight:	0.6 lbs (0.27 kg)
Selectable Directivity Modes:	2 modes: Middle of Table (360°) or End of Table (120°)	Environmental:	
Mute Switching:	3 Capacitive Touch Buttons	Ambient Operating Temperature Range:	32-104° F (0-40° C)
Indicators:	Mute Indicator (Green/Red LED)	Humidity:	0-95% relative humidity (non-condensing)
Digital Interface:	Custom/Proprietary	Altitude:	0-6,600 ft (0-2000 m) MSL
Connectors:	Two RJ-45: one between DTM-1 and Devio CR-1/SCR-20/SCR-25, the other between DTM-1 and additional DTM-1	Compliance:	FCC Part 15B (USA) CE marked (Europe) UL and C-UL listed (USA and Canada) RoHS Directive (Europe)



DATA SHEET

DEVIO® DCM-1

BEAMTRACKING™ CEILING MICROPHONE



The DCM-1 is a ceiling microphone for use in Devio® systems. Comprising a pendant microphone and plenum box, each microphone includes beamtracking™ technology with three 120-degree zones, providing full 360-degree coverage of the meeting space. The DCM-1 microphone actively tracks and intelligently mixes conversations from around the table, allowing far-end conference participants to experience the conversation naturally. The Devio DCM-1 has four software-selectable elevation angle modes for optimal sound pickup, and each plenum box comes with an additional RJ-45 connector for daisy-chain connections. A maximum of two DCM-1 microphones are permitted per daisy chain. The Devio DCM-1 is well suited for huddle rooms or small conference rooms that require cost effective, high-quality audio solutions.

FEATURES

- Beamtracking technology actively tracks and intelligently mixes conversations
- Three 120-degree zones for 360 degrees of coverage
- Three LED mute status indicators
- Four selectable elevation angle modes
- User-adjustable mic height
- Easy single-cable installation process
- Evaluated to the requirements of UL 2043 and is suitable for use in air handling spaces
- Additional RJ-45 for daisy-chain connection to another DCM-1 microphone (maximum of two mics per daisy chain)
- CE marked, UL listed, and RoHS compliant
- Covered by Biamp Systems' two-year warranty

NOTE: DCM-1 CEILING MICROPHONES AND DTM-1 TABLETOP MICROPHONES CANNOT BE DAISY-CHAINED TOGETHER..

ARCHITECTS & ENGINEERS SPECIFICATIONS

The beamtracking™ ceiling microphone shall be designed exclusively for use with Devio® systems. The beamtracking ceiling microphone shall utilize a proprietary network via an RJ-45 connector for audio networking as well as software configuration and control. The beamtracking ceiling microphone shall contain eight-element microphones, and shall provide three 120-degree zones for 360 degrees of coverage. The beamtracking ceiling microphone shall offer multidirectional beamforming and automatic signal tracking capabilities. The beamtracking technology shall operate in conjunction with acoustic echo cancellation technology (AEC) in accordance with U.S. Patent 9659576. The beamtracking ceiling microphone shall offer simple installation and microphone height adjustment, and shall be mountable on a ceiling tile or in open-ceiling environments. The beamtracking ceiling microphone shall be suitable for use in air handling spaces in accordance with UL 2043, and shall provide a second RJ-45 connector to allow an additional beamtracking ceiling microphone to be daisy-chained together. The beamtracking ceiling microphone shall be CE marked, UL listed, and compliant with the RoHS directive. Warranty shall be two years. The beamtracking ceiling microphone shall be Devio DCM-1.

DEVIO DCM-1 SPECIFICATIONS

<p>PENDANT MICROPHONE</p> <p>Microphone Technology: 8-Element Digital Array</p> <p>Frequency Response (150 Hz - 16 kHz): ± 3 dB</p> <p>Polar Pattern: Active Beamformed</p> <p>Sensitivity (94 dB SPL, 1 kHz): > 70 dB, A-Weighted</p> <p>Maximum SPL (at 0.5% THD): 106 dB SPL</p> <p>Dynamic Range (THD+N < 10%): 92 dB, A-Weighted</p> <p>Automatic Noise Suppression: 4 modes: Off, Low (Default), Medium, High</p> <p>Selectable Elevation Modes: 4 modes: multiple 30° selections</p> <p>Power: < 1 W, phantom powered from plenum box</p> <p>Indicators: Mute Indicator (Green/Red LED)</p> <p>Digital Interface: Custom/Proprietary</p> <p>Connector: Custom 2-pin (cable length 4.9 feet [1.5 meters])</p> <p>Overall Dimensions:</p> <p>Height: 2 inches (51 mm)</p> <p>Width: 2.5 inches (63 mm)</p> <p>Depth: 2.5 inches (63 mm)</p> <p>Weight: 0.38 lbs (0.17 kg)</p>	<p>PLENUM BOX</p> <p>Power: < 1 W, phantom powered from CR-1/SCR-20/SCR-25</p> <p>Indicators: Connection Indicator (Green LED)</p> <p>Digital Interface: Custom/Proprietary</p> <p>Connectors: Two RJ-45: one between DCM-1 plenum box and CR-1/SCR-20/SCR-25, the other between DCM-1 plenum box and additional DCM-1 plenum box</p> <p>Max Distance Between Devices: 49 feet (15 meters) from CR-1/SCR-20/SCR-25 to DCM-1; 49 feet (15 meters) for daisy-chained connections between DCM-1 microphones</p> <p>Overall Dimensions:</p> <p>Height: 2 inches (51 mm)</p> <p>Width: 4 inches (102 mm)</p> <p>Depth: 5.4 inches (137 mm)</p> <p>Weight: 0.86 lbs (0.39 kg)</p> <p>Environmental:</p> <p>Ambient Operating Temperature Range: 32-104° F (0-40° C)</p> <p>Humidity: 0-95% relative humidity (non-condensing)</p> <p>Altitude: 0-6,600 ft (0-2000 m) MSL</p> <p>Compliance:</p> <p>FCC Part 15B (USA)</p> <p>CE marked (Europe)</p> <p>UL and C-UL listed (USA and Canada)</p> <p>RoHS Directive (Europe)</p> <p>Evaluated to the requirements of UL 2043 and is suitable for use in air handling spaces</p>
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