

# 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 displays<sup>1</sup> 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<sup>®</sup>) and Microsoft Skype<sup>®</sup>, Citrix GoToMeeting<sup>®</sup>, Cisco WebEx<sup>®</sup>, and Google Hangouts<sup>™</sup>.

#### 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 USB<sup>1</sup> (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

<sup>1</sup> DisplayLink USB video technology compatible with Windows 7, 8, 8.1, and 10.

## DEVIO CR-1 SPECIFICATIONS

### 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 BACK PANEL

