

## Crestron RL<sup>®</sup> 2 System Codec

- > Supports one or two HD 1080p touch screen displays
- > Accommodates a USB 2.0 or 3.0 HD camera and microphone
- > Alternately allows use of up to two analog microphones or a USB mic mixer<sup>[1]</sup>
- > Auto-switches between HDMI<sup>®</sup>, VGA, and DM 8G+<sup>®</sup> content source inputs
- > Supports audio as well as video from content sources
- > DM 8G+ input allows integration with Crestron<sup>®</sup> DigitalMedia™ switchers and transmitters
- > Analog audio output feeds a sound bar or room sound system
- > USB provides a bidirectional digital audio interface for a Crestron Avia™ Digital Signal Processor<sup>[2]</sup>
- > Tabletop touch screen console facilitates complete control of the Crestron RL<sup>®</sup> 2 system<sup>[3]</sup>
- > Allows customizable control of room lighting, shades, AV, and other functions through integration with a Crestron control system
- > Integrates with Crestron Fusion<sup>®</sup> Cloud to support enterprise-wide room monitoring
- > Compact size: 2 x 16 x 12 inches (51 x 405 x 306 mm) HWD
- > Installs conveniently under the table, attached to the display mount, or in two 19" rack spaces
- > Includes an external universal power pack
- > Available only as part of a Crestron RL 2 system package



The CCS-UC-CODEC-200 is a compact codec designed to serve as the core of a complete Crestron RL<sup>®</sup> 2 Group Collaboration System. Crestron RL 2 is an advanced group collaboration solution that combines Crestron<sup>®</sup> hardware with Skype<sup>®</sup> for Business software. The CCS-UC-CODEC-200 is designed to be used along with the Crestron TS-1051-C Tabletop Touch Screen Console, and is available only as part of a Crestron RL 2 system package containing the codec, touch screen console, and other components.

## SPECIFICATIONS

### Communications

**Ethernet:** 10/100/1000 Mbps

**USB:** USB 3.0/2.0/1.1 host

### Video

**Content Input Signal Types:** HDMI (DVI & Dual-Mode DisplayPort compatible<sup>[4]</sup>), VGA/RGB, DM 8G+

**Camera Input Signal Type:** USB (or HDMI via HD-CONV-USB-100, sold separately)

**Display Output Signal Types:** HDMI (DVI compatible<sup>[4]</sup>)

**Touch Screen Console Output Signal Type:** Proprietary interface using DM 8G+ technology

**Content Input Resolutions:** 800x600, 1024x768, 1280x720@50Hz, 1280x720@60Hz, 1280x800, 1366x768, 1440x900, 1600x900, 1680x1050, 1920x1080@50Hz, 1920x1080@60Hz, 1920x1200

**Display Output Resolution:** 1920x1080

**Touch Screen Console Output Resolution:** 1280x800

### Audio

**Content Input Signal Types:** HDMI, stereo analog, DM 8G+

**Microphone Input Signal Types:** USB, stereo or mono analog<sup>[1]</sup>

**Room Output Signal Type:** USB, stereo analog<sup>[2]</sup>

### Connections

**12 VDC 9A:** (1) 4-pin snap & lock DC power connector, female; 12 Volt DC power input (external power pack included)

**LAN:** (1) 8-pin RJ45 female; 10Base-T/100Base-TX/1000Base-T Gigabit Ethernet port

**USB 3.0:** (2) USB Type A, female; USB 3.0 host ports

**USB 2.0:** (6) USB Type A, female; USB 2.0 host ports

**RESET:** (1) 2-pin 3.5 mm detachable terminal block; Contact closure sensing input for hardware reset

**AUDIO OUT L, R:** (2) RCA female; stereo unbalanced line-level audio output for sound bar or room sound system<sup>[2]</sup>

**AUDIO IN:** (1) 3.5 mm TRS mini phone jack; Stereo unbalanced line-level audio input for analog content source device

**MIC IN L, R:** (1) 5-pin 3.5 mm detachable terminal block; comprises two balanced microphone audio inputs, internally summed to mono<sup>[1]</sup>; Supplies 48 Volts DC phantom power

**DISPLAY 1 – 2:** (2) 19-pin Type A HDMI, female; HDMI digital video outputs for room displays

**TOUCH SCREEN:** (1) 8-pin RJ45 female, shielded; Connection for TS-1051-C Tabletop Touch Screen Console<sup>[3]</sup>

**VGA IN:** (1) HD15 female, analog RGB/VGA input; Video input for analog content source device



CCS-UC-CODEC-200 — Rear View

**HDMI IN:** (1) 19-pin Type A HDMI, female;  
Video input for digital content source device

**DM IN:** (1) 8-pin RJ45 female, shielded;  
DM 8G+ input;  
PoDM PSE (Power Sourcing Equipment) port;  
Connects to the DM 8G+ output of a DM<sup>®</sup> transmitter, switcher, or other DM device via CAT5e or Crestron DM-CBL-8G cable<sup>[5]</sup>

**G:** 6-32 screw, chassis ground lug

## Controls & Indicators

**Power:** (1) Pushbutton with backlight LED indicator; powers up or shuts down the unit

**LAN (rear):** (2) LEDs, indicate Ethernet status and speed

**SETUP:** (1) red LED and (1) miniature recessed pushbutton, for Ethernet auto-discovery with a Crestron control system

**TOUCH SCREEN:** (2) LEDs, indicate touch screen console link status and video signal presence

## Power Requirements

**Power Pack (included):** 9 Amps @ 12 Volts DC (output);  
2 Amps maximum @ 100-240 Volts AC, 50/60 Hz (input)

**Power over DM (PoDM):** PoDM PSE (Power Sourcing Equipment);  
DM 8G+ input port supplies up to 15.4 Watts (Class 0-3) to one PoDM Powered Device

## Environmental

**Temperature:** 41° to 104° F (5° to 40° C)

**Humidity:** 10% to 90% RH (non-condensing)

## Enclosure

**Chassis:** Metal with black finish, vented sides, ultra-quiet variable-speed fan-cooled

**Front Panel:** Metal, black with polycarbonate label overlay

**Mounting:** Under-table or 2U 19-inch rack mountable (under-table mounting kit and rack mount kit sold separately or as part of select system packages)

## Dimensions

**Height:** 2.00 in (51 mm);  
3.47 in (89 mm) with rack mount kit  
**Width:** 15.93 in (405 mm);  
19.00 in (483 mm) with rack mount kit;  
16.98 in (432 mm) with under-table mounting kit  
**Depth:** 12.02 in (306 mm)

## Weight

6.2 lb (2.9 kg)

## MODELS & ACCESSORIES

### Available Models

**CCS-UC-CODEC-200:** Crestron RL<sup>®</sup> 2 System Codec (sold only as part of a Crestron RL 2 system package)

### Included Accessories

**PW-12125DU:** Universal Power Pack for CCS-UC-CODEC-200 (Qty. 1 included)

### Available Accessories

**CCS-BRKT-200-RMK:** Rack Mount Kit

**CCS-BRKT-200-UTK:** Under-Table Mounting Kit

**TS-1051-C:** 10.1" Tabletop Touch Screen Console for Crestron RL<sup>®</sup> 2 (sold only as part of a Crestron RL 2 system package)

**HD-CONV-USB-100:** HD to USB Video Converter

Notes:

1. The USB and analog microphone inputs are mutually exclusive.
2. The USB and analog audio outputs are mutually exclusive.
3. The **TS-1051-C** touch screen console and CCS-UC-CODEC-200 codec are sold together as part of a Crestron RL 2 system package.
4. The HDMI input requires an appropriate adapter or interface cable to accommodate a DVI or DisplayPort Multimode source. The HDMI outputs require appropriate adapters or interface cables to accommodate DVI displays. **CBL-HD-DVI** interface cables are available separately.
5. For DM 8G+ wiring, use Crestron **DM-CBL-8G** DigitalMedia 8G Cable or third-party CAT5e (or better) UTP or STP. The maximum wire length for DM 8G+ is 330 ft (100 m) between devices. Shielded cable and connectors are recommended to safeguard against unpredictable environmental electrical noise which may impact performance at resolutions above 1080p. Refer to the [Crestron DigitalMedia Design Guide, Doc. #4546](#) for complete DigitalMedia system design guidelines. All wire and cables are sold separately.

# CCS-UC-CODEC-200 Crestron RL<sup>®</sup> 2 System Codec

This product may be purchased from an authorized Crestron dealer. To find a dealer, please contact the Crestron sales representative for your area. A list of sales representatives is available online at [www.crestron.com/salesreps](http://www.crestron.com/salesreps) or by calling 800-237-2041.

The specific patents that cover Crestron products are listed online at: [patents.crestron.com](http://patents.crestron.com).

Certain Crestron products contain open source software. For specific information, please visit [www.crestron.com/opensource](http://www.crestron.com/opensource).

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