

Crestron RL™ 2 Group Collaboration System for Lync®, Huddle Room Packs

- > A full-featured, simple to use group collaboration system based on Microsoft® Lync®
- > Provides a turnkey tabletop solution for huddle rooms and offices
- > Enables interactive collaboration from anywhere using any device
- > Easy to specify and install — requires no custom design or programming
- > Low cost of ownership — no MCUs or gateways needed
- > A complete system package including one 32" touch display
- > Tabletop touch screen affords easy, intuitive operation
- > Allows customizable control of room lighting, shades, and other equipment^[4]
- > Provides auto-switching HDMI®, VGA, and DM 8G+® content source inputs
- > Allows input expansion using DigitalMedia™ transmitters and switchers^[2]
- > Supports content source audio as well as video
- > Includes a high-definition camera and 360° tabletop microphone and speaker
- > Allows customization using Crestron-approved third-party accessories
- > Integrates with Crestron Fusion® to support enterprise-wide room monitoring^[5]

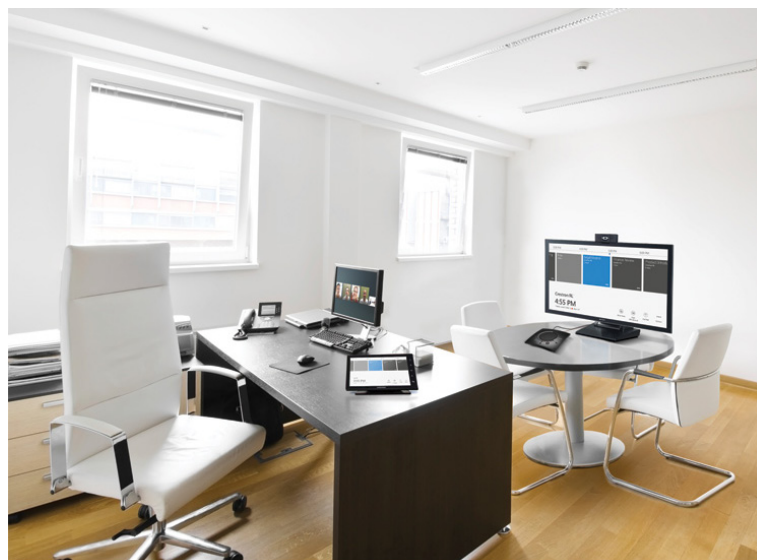
Crestron RL™ 2 is an advanced group collaboration solution for conference rooms and huddle spaces that combines Crestron® hardware with Microsoft® Lync® software. Microsoft Lync offers an enterprise-ready unified communications platform capable of delivering presence, instant messaging, voice, and video across the network or Internet using computers and mobile devices. Crestron RL 2 extends the Lync experience to the conference room so groups can communicate and collaborate in real time from multiple locations. Crestron RL 2 combines the intuitive room control solutions of Crestron with the unified communication and collaboration features of Microsoft Lync 2013.

Easy to Use

With one touch of the touch screen, anyone can walk into the room and instantly start a collaboration session. Crestron RL 2 lets you share your desktop with local and remote participants, view and annotate over a PowerPoint® presentation, and use the 32" (or other size) touch display as an interactive whiteboard to sketch out ideas — all in real time. Remote participants can join via Lync or Skype® for Business from their personal computers, mobile devices, and other Crestron RL 2 systems. Crestron RL 2 lets everyone share their ideas and documents collaboratively — anytime, anywhere, with any device.

Easy to Purchase and Install

A variety of Crestron RL 2 system packages is available to turn almost any room into a collaborative meeting space. There's no complicated design or programming required. Crestron RL 2 comes with everything you need and works right out of the box with minimal setup. It connects right over the corporate LAN, so there are no additional infrastructure expenses such as MCUs or gateways. And, if your organization already uses Lync, there are no additional licenses or fees required.



The CCS-UC-200-HUD series offers a tabletop solution for huddle room applications. The included 32" display can be placed on the table using the stand provided, or mounted to any VESA 200x200 compatible display mount. The wide-angle HD camera mounts to the top of the display to provide remote participants with a view of the local participants. A speakerphone-style tabletop microphone and speaker provides 360 degree audio coverage for all the local participants around the table. Two mounting kits are included to allow the system codec to be installed under the table or in a 19" equipment rack.^[1]

NOTE: See also the [CCS-UC-200](#), [CCS-UC-200-WMT](#), and [CCS-UC-200-WSTND](#) for other room types and system configurations.

Enhanced Connectivity, Integration, and Control

Crestron RL 2 included a number of features not found in other Lync systems, affording several powerful ways to use and customize your system:

- **10" Tabletop Touch Screen** — The included 10" touch screen provides an intuitive user interface for managing group collaboration sessions. It's so simple to use, anyone can instantly start a session with just one touch. The touch screen can also be custom programmed to control room lighting, shades, climate, and AV equipment (see *Control System Integration* below).
- **Auto-Switching Inputs** — Its HDMI®, VGA, and **DM 8G+®** inputs allow versatile connectivity for computers and other content source devices. Automatic switching between sources simplifies operation.
- **DigitalMedia™ System Integration** — Its DM 8G+ input facilitates input expansion and signal extension using any Crestron DM 8G+ transmitter or switcher. An assortment of under-table or in-wall transmitters and switchers is offered to provide input connectivity wherever it's needed. DM 8G+ also allows for connection to a centralized DM® switcher, enabling access to shared media sources and cameras anywhere in the building.^[2]

- **Content Audio Support** — In addition to video, Crestron RL 2 accepts audio input signals via its HDMI, analog audio, and DM 8G+ inputs.
- **USB or Analog Microphones** — Crestron RL 2 comes with a high-performance, low-profile USB table microphone that's capable of achieving excellent pickup of several participants at a table in a typical room. Alternately, up to two analog microphones (not included) may be connected to accommodate custom applications.^[3]
- **USB HD Camera** — Provides remote participants with a high-definition view of the room through an extra-wide 90 degree diagonal field of view. Crestron RL 2 is also compatible with several third-party camera devices to enable enhanced functionality.
- **Audio Output** — Its analog output can be used to feed an amplified speaker or sound system.^[3]
- **Control System Integration** — Complete control over room lighting, shades, and other equipment can be enabled right on the tabletop touch screen through integration with a Crestron control system.^[4]
- **Enterprise Monitoring** — Crestron RL 2 has the ability to communicate directly with [Crestron Fusion®](#) Enterprise Management Software, allowing it to be monitored from a centralized help desk alongside every other huddle room across the enterprise. Room scheduling and other advanced capabilities can be enabled through integration with a control system.^[4,5]

Optional Accessories

The following Crestron products are just some of the many options available for use with the Crestron RL 2 system:

- [DM-TX1-4K-C-1G](#) Wall Plate 4K DigitalMedia 8G+® Transmitter
- [DM-TX-200-C-2G](#) Wall Plate DigitalMedia 8G+ Transmitter 200
- [DM-TX-201-C](#) DigitalMedia 8G+ Transmitter 201
- [DM-TX-401-C](#) DigitalMedia 8G+ Transmitter 401
- [DM-MD8X1-4K-C](#) 4K Scaling Presentation Switcher

- [DMPS3-4K-150-C](#) 3-Series® 4K DigitalMedia Presentation System 150
- [USB-EXT-DM](#) USB over Ethernet Extender with Routing

Third-Party Accessories

The following third-party manufacturers offer accessories that have been tested and approved by Crestron for use with Crestron RL 2:

- **ClearOne®** — CHAT® 170 Group Speakerphone
- **Logitech®** — ConferenceCam CC3000e
- **Panasonic®** — AW-HE2 HD Integrated Camera
- **Polycom®** — CX5100 & CX5500 Unified Conference Stations
- **Sharp®** — AQUOS BOARD™ 60", 70", and 80" Interactive Display Systems, & PN-K322B 32" Touchscreen Monitor
- **Shure®** — Microflex® MX390 Series Boundary Microphones
- **Vaddio** — ClearVIEW HD-USB Camera, AV Bridge

NOTE: Crestron authorized integrators, please see [Crestron True Blue Online Help Answer ID: 5532](#) for additional information about these and other third-party accessories.

SPECIFICATIONS

Included Components

NOTE: For additional specifications and other details, please refer to the individual spec sheet for each component.

Description:	Model:	CCS-UC-200-HUD-1 KIT Huddle Room 32" Display	CCS-UC-200-HUD-0 KIT Huddle Room No Display
Crestron RL™ 2 System Codec	CCS-UC-CODEC-200	1	1
10.1" Tabletop Touch Screen	TS-1051-C-B-S	1	1
32" Touch Display	CCS-TS-3200	1	
HD Camera	CCS-CAM-USB-F-100-SHROUD	1	1
Tabletop Microphone & Speaker	CCS-MIC-SPKR-USB-200	1	1
Rack Mount Kit	CCS-BRKT-200-RMK	1	1
Under-Table Mounting Kit	CCS-BRKT-200-UTK	1	1

System Connections

Content AV Inputs: (1 each) HDMI®, VGA, unbalanced stereo analog audio, and DM 8G+®;

(1) 20 ft (6.1 m) HDMI cable included;

(1) 25 ft (7.6 m) VGA/audio cable included

Touch Display Video Output: HDMI (DVI compatible);

(1) 20 ft (6.1 m) HDMI cable included

Tabletop Touch Screen: (1) DM 8G+ with PoDM;

25 ft (7.6 m) cable included ^[1]

USB: (2) USB 3.0 and (6) USB 2.0 host ports for camera, touch display, table mic/speaker, and mouse/keyboard ^[6];

USB cables included for camera, touch display, and mic/speaker ^[1]

LAN: (1) 10Base-T/100Base-TX/1000Base-T Ethernet

Codec Power: 2 Amps (maximum) @ 100-240 Volts AC, 50/60 Hz;

External power pack, model PW-12125DU, included

Display Power: 97 Watts @ 100-240 Volts AC, 50/60 Hz;

External power pack included

MODELS & ACCESSORIES

Available Models

CCS-UC-200-HUD-1 KIT: Crestron RL™ 2 Group Collaboration System for Lync®, Huddle Room, 32" Display

CCS-UC-200-HUD-0 KIT: Crestron RL™ 2 Group Collaboration System for Lync®, Huddle Room, No Display

Included Accessories

CCS-UC-CODEC-200: Crestron RL™ 2 System Codec (Qty. 1 included)

TS-1051-C-B-S: 10.1" Tabletop Touch Screen for Crestron RL™ 2, Black Smooth (Qty. 1 included)

CCS-TS-3200: 32" Touch Display for Crestron RL™ 2 (Qty. 1 included with CCS-UC-200-HUD-1 KIT only)

CCS-CAM-USB-F-100-SHROUD: HD Camera for Crestron RL™ 2 (Qty. 1 included)

CCS-MIC-SPKR-USB-200: Tabletop Microphone & Speaker for Crestron RL™ 2 (Qty. 1 included)

CCS-BRKT-200-RMK: Rack Mount Kit for CCS-UC-CODEC-200 (Qty. 1 included)

CCS-BRKT-200-UTK: Under-Table Mounting Kit for CCS-UC-CODEC-200 (Qty. 1 included)

Available Accessories

DM-TX1-4K-C-1G: Wall Plate 4K DigitalMedia 8G+™ Transmitter

DM-TX-200-C-2G: Wall Plate DigitalMedia 8G+™ Transmitter 200

DM-TX-201-C: DigitalMedia 8G+™ Transmitter 201

DM-TX-401-C: DigitalMedia 8G+™ Transmitter 401

DM-MD8X1-4K-C: 4K Scaling Presentation Switcher

DMPS3-4K-150-C: 3-Series® 4K DigitalMedia™ Presentation System 150

DM-CBL-8G-NP: DigitalMedia 8G™ Cable, non-plenum

DM-CBL-8G-P: DigitalMedia 8G™ Cable, plenum

DM-8G-CONN: Connector for DM-CBL-8G DigitalMedia 8G™ Cable

DM-8G-CRIMP: Crimping Tool for DM-8G-CONN

DM-8G-CONN-WG: Connector with Wire Guide for DM-CBL-8G DigitalMedia 8G™ Cable

DM-8G-CRIMP-WG: Crimping Tool for DM-8G-CONN-WG

USB-EXT-DM: USB over Ethernet Extender with Routing

Notes:

1. If necessary, the touch screen cable may be extended to up to 200 ft (61 m) using Crestron [DM-CBL-8G](#) cable. Also, the touch display, mic/speaker, and camera cables may be extended using Crestron [USB-EXT-DM](#) USB extenders. A separate USB extender, consisting of (1) host module and (1) device module, is required for each USB device (except for touch displays, which may share a single USB extender). The USB-EXT-DM is for USB 1.0 and 2.0 devices only. USB signal extension may be via Ethernet or a dedicated CAT5e (or better) cable. All extra cables, connectors, and USB extenders are sold separately.
2. DigitalMedia transmitters, switchers, cables, and related accessories sold separately.
3. Using the integrated mic and speaker, model [CCS-MIC-SPKR-USB-200](#) (included), no other microphones may be connected, and all other audio outputs are disabled.
4. Crestron control system and custom programming sold separately.
5. Crestron Fusion software, server, and configuration sold separately.
6. USB mouse and keyboard not included; required for setup only.

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 or by calling 800-237-2041.

The specific patents that cover Crestron products are listed online at: patents.crestron.com.

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