IntelliClass IC-300-CSWP-P
Complete Classroom AV System Package

Crestron® IntelliClass™ systems provide educators with a simplified, comprehensive classroom presentation solution that saves time and money. Designed to deliver the highest level of quality and convenience without using up the AV/IT budget, IntelliClass assembles all the vital pieces needed to outfit the classroom for an engaging teaching experience.

IntelliClass makes it easy and affordable to install a quality projection system in every classroom, ending the days of wheeling in the AV cart or forcing students to squint at a tiny TV screen. The IC-300-CSWP-P package includes a professional wall mount controller, high-performance speakers and amplifier, universal projector mount, multimedia input wall plates, and cabling. Just add a preferred video projector and screen to complete the classroom presentation system. IntelliClass also integrates seamlessly with interactive whiteboards and wireless microphones.

The diagram to the right shows a typical IC-300-CSWP-P system arrangement.

① Verify Contents

Before starting the installation procedure, check the contents of the system package. The items that should have been received are listed in the following table. Retain all documents and parts supplied for use in the installation process.

DESCRIPTION	PART NUMBER[1]	QTY
Media Presentation Controller, White	MPC-M5-W	1
Media Presentation Audio Amplifier	MP-AMP30	1
8" Drop-in Ceiling Speaker, White Textured, Single	FSDI8-W-T-EACH[2]	2
Media Presentation Wall Plate, Video and Audio, White	MP-WP100-W[3]	1
Media Presentation Wall Plate, VGA and Audio, White	MP-WP131-W[3]	2
Universal Short-Throw Projector Wall Mount, White	PMTW-50-W[4]	1
Power Pack for MP-AMP30	PW-2420RU	1
PoE Injector for MPC-M5	PWE-4803RU	1
RS-232 Projector Control Cable, Plenum, 50 ft (15 m)	CBL-KSERIAL-DB9-L-P-50[5]	1
Ethernet LAN Cable, Plenum, 50 ft (15 m)	CBL-CAT5E-P-50[5]	1
Speaker Cable, 16 AWG, Plenum, 35 ft (11 m)	CBL-SPK-P-35	2
RCA Video and Stereo Audio Cable, Plenum, 50 ft (15 m)	CBL-KAV-RCAM3-L-P-50[5, 6]	1
HD15 VGA Cable, Plenum, 50 ft (15 m)	CBL-KVGA-L-P-50[5, 6]	2
RCA Stereo Audio Cable, Plenum, 50 ft (15 m)	CBL-KAUDIO-RCAM2-L-P-50[5]	2
Projector-to-Amplifier RCA Stereo Audio Cable, 3 ft (1 m)	(Supplied with MP-AMP30)	1
Projector-to-Amplifier RCA Stereo Audio Cable, 6 ft (2 m)	2025534	1
RCA to 3.5 mm Mini-TRS Stereo Audio Adapter	CBL-AUDIO-RCAF-0.5[5]	4
1-Gang Decorator Style Faceplate, White	FPL-G1-W-T	3
1-Gang Low-Voltage Trim Ring	BB-G1-LV	3
2-Gang Low-Voltage Trim Ring	BB-G2-LV	1

1. Where applicable, the suffix (-W) is included in the part number column to indicate that only white products are supplied with the system package. The suffix is not used anywhere else in this quickstart.
2. The suffix (-T-EACH) indicates a single textured surface speaker that must be ordered in multiples of two. This system package includes one pair. The suffix is not used anywhere else in this quickstart.
3. Each package includes a 2-gang post-construction trim ring for the MPC-M5 and a 1-gang post-construction trim ring and decorator style faceplate for each wall plate.
4. The PMTW-50 is shipped in a separate package.
5. Specified in illustration on page 2.
6. Includes uninstalled RCA and/or BNC compression connectors as required for termination at the wall plate. Installation requires IDEAL OmniSeal™ 30-793 or equivalent compression tool (not included).
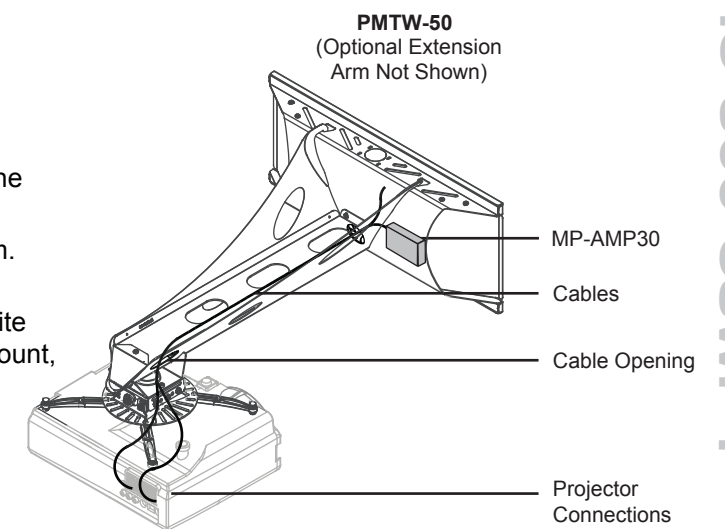

*These Cables Sold Separately

Color Key
- Control
- Video
- Audio
- RGB
- LAN
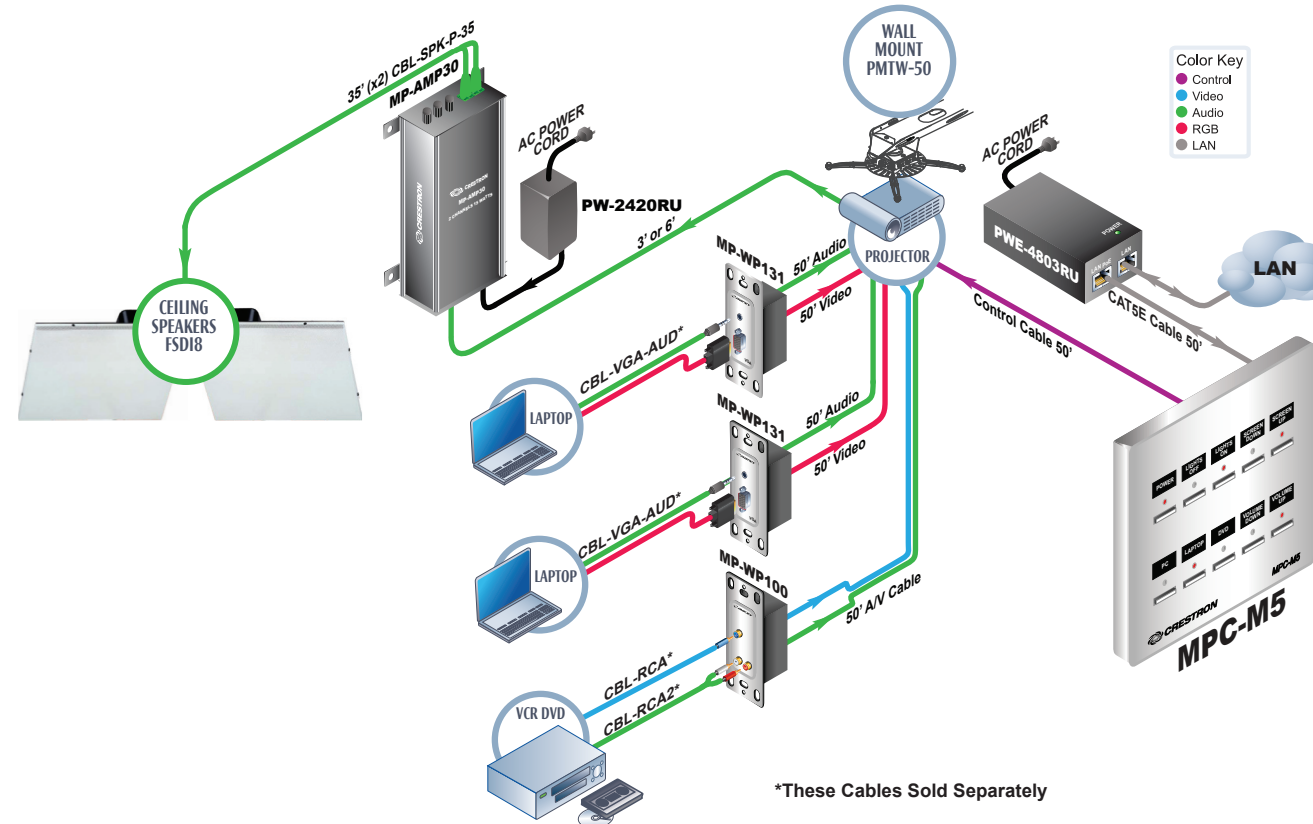
Tools Required - Not Supplied

Hand-Held Drill
Wire Cutter
Wire Stripper
Philips Screwdriver(s)
Flathead Screwdriver(s)
Compression Tool for supplied RCA and BNC connectors (Refer to footnote 6 in the table on this page.)

② Installation

1. Refer to the documentation supplied with the projector to determine the optimum mounting location. Refer also to the typical hookup arrangement diagram provided in section ③ on page 2.
2. Install the PMTW-50 Universal Short-Throw Projector Wall Mount following the instructions contained in the installation guide (Doc. 7037), supplied.
3. Mount the FSDI8 speakers in the ceiling grid following the instructions contained in the quickstart guide (Doc. 7070), supplied.
4. Mount the Media Presentation Wall Plate devices in appropriate locations in the room.
5. Run the cables for the system. The supplied cables are plenum rated so they can be routed above the ceiling and are already terminated for the projector end. The opposite ends are not terminated to make it easier to route the cables through the projector mount, the walls, and ceiling.
6. Connect the cables to the MP-AMP30 Media Presentation Audio Amplifier and place it in the storage area of the PMTW-50 wall plate. Refer to the diagram to the right. (Use the supplied 6 ft (2 m) RCA cable if the optional extension arm is used on the PMTW-50.)
7. Terminate BNC and RCA fittings as required.
8. Configure the MPC-M5 using the MPC Wizard in SystemBuilder™. Refer to the instructions contained in the operations and installation guide (Doc. 6955), supplied.

PMTW-50
(Optional Extension Arm Not Shown)

- MP-AMP30
- Cables
- Cable Opening
- Projector Connections

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Specifications subject to change without notice.

CRESTRON®

quickstart guide

3 **Typical Hookup Arrangement**

Strip the ends of the wires approximately 3/8 inch (12 mm). Observe the correct polarity (+ (red) to + terminal and - (black) to - terminal) and insert into the two 2-pin detachable connectors (supplied).
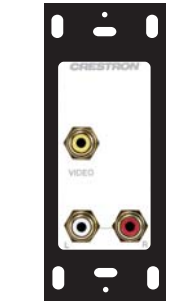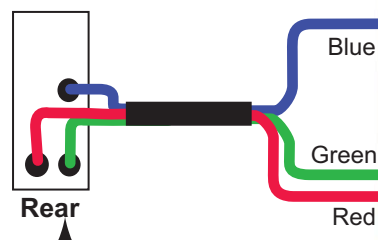
L R
+ - + -
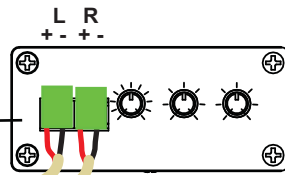
CBL-SPK-P-35

Strip the speaker end of the cable wires approximately 5/8 inch (15 mm) and twist the bared strands.

Use the wire nuts supplied with the speakers to connect the speaker wires with the speaker cable wires (red to red and black to black). Refer to Doc. 7070 supplied with the speakers for details.

FSDI8

MP-AMP30

RCA - RCA Cable 3 ft (1 m) or 6 ft (2 m) (supplied)

CBL-AUDIO-RCAF-0.5

TYPICAL PROJECTOR

MP-WP-100

CBL-KAV-RCAM3-L-P-50

Blue

Green

Red

Rear

Terminate with supplied RCA compression fittings.

NOTE: Projector volume is controlled via the MPC-M5.

MPC-M5

PWE-4803RU

LAN

LAN PoE

LAN
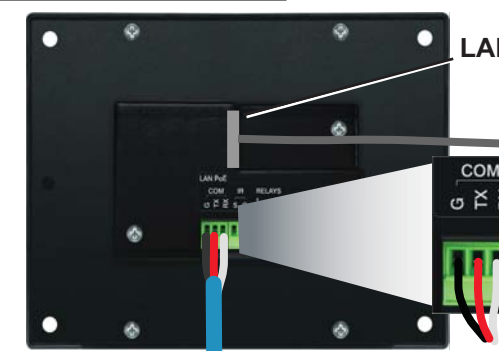
CBL-KSERIAL-DB9-L-P-50
For use with projectors that are not part of the RoomView Connected® devices family.

If the Crestron logo (CRESTRON) is present on the projector, then the projector is part of the RoomView Connected devices family, and supports advanced direct connectivity with the MPC-M5. Utilizing the projector's built in LAN port, the MPC-M5 can directly interface with the projector, offering a host of advanced monitoring and configuration options that far exceed the capabilities of basic serial and IR control. This great feature eliminates the need to use the provided CBL-KSERIAL-DB9-L-P-50. For more information, refer to **www.crestron.com/intelliclass**.
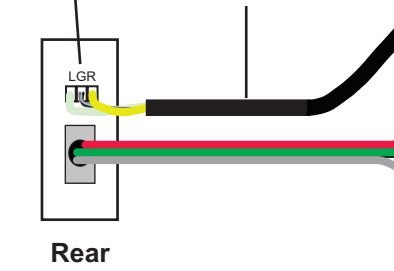
CBL-AUDIO-RCAF-0.5

CBL-AUDIO-RCAF-0.5

MP-WP-131

Twist shields together and insert into **G** terminal of 3-pin detachable connector (supplied).

CBL-KAUDIO-RCAM2-L-P-50

Terminate with supplied RCA compression fittings.

L G R

Red Red
Green Green
Blue Blue
Black Black
Gray

Rear

Cable contains either a white wire or a yellow wire.

Red Red
Green Green
Blue Blue
Black Black
Gray

CBL-KAUDIO-RCAM2-L-P-50

L G R

Twist shields together and insert into **G** terminal of 3-pin detachable connector (supplied).

MP-WP-131

Rear
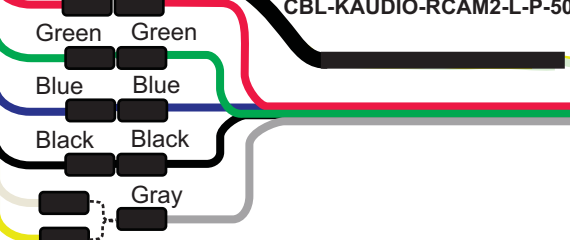
Terminate with supplied BNC compression fittings.

CBL-KVGA-L-P-50

Terminate with supplied BNC compression fittings.

IC-300-CSWP-P

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