IC-200-P PAK

IntelliClass™ Classroom AV System Package

Crestron® IntelliClass™ systems provide educators with a simplified yet 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 classrooms 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-200-P package includes a professional wall mount controller, high-performance speakers and amplifier, universal ceiling projector mount, multimedia input wall plates, cabling, and connectors. Just add a preferred video projector and screen to complete the classroom presentation system. IntelliClass also integrates seamlessly with interactive whiteboards and wireless microphones.
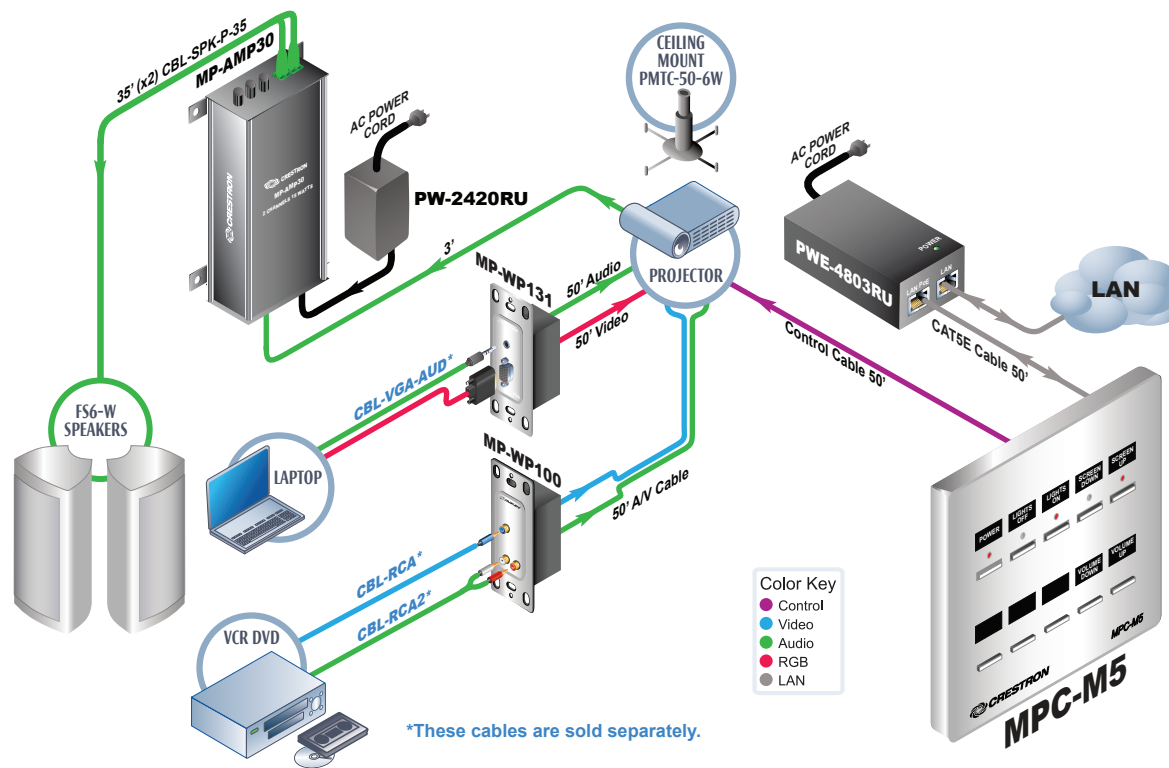
The diagram to the right shows a typical IC-200-P system arrangement.

1 Verify Contents

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

DESCRIPTION	PART NUMBER	QTY
Media Presentation Controller, White	MPC-M5-W	1
Media Presentation Audio Amplifier	MP-AMP30	1
Surface Mount Media Presentation Speakers, Pair, White	FS6-W	1
Media Presentation Wall Plate, Video and Audio, White	MP-WP100-W[1]	1
Media Presentation Wall Plate, VGA and Audio, White	MP-WP131-W[1]	1
Universal Ceiling Projector Mount, White	PMTC-50-6W	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[2]	1
Ethernet LAN Cable, Plenum, 50 ft (15 m)	CBL-CAT5E-P-50[2]	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[2, 3]	1
HD15 VGA Cable, Plenum, 50 ft (15 m)	CBL-KVGA-L-P-50[2, 3]	1
RCA Stereo Audio Cable, Plenum, 50 ft (15 m)	CBL-KAUDIO-RCAM2-L-P-50[2]	1
Projector-to-Amplifier RCA Stereo Audio Cable, 3 ft (1 m)	(Supplied with MP-AMP30)	1
RCA to 3.5 mm Mini-TRS Stereo Audio Adapter	CBL-AUDIO-RCAF-0.5[2]	3
1-Gang Low-Voltage Trim Ring	BB-G1-LV	2
2-Gang Low-Voltage Trim Ring	BB-G2-LV	1

1. Each package includes a 2-gang post-construction trim ring for the MPC-M5-W and a 1-gang post-construction trim ring for each wall plate.
2. Specified in illustration on page 2.
3. 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).
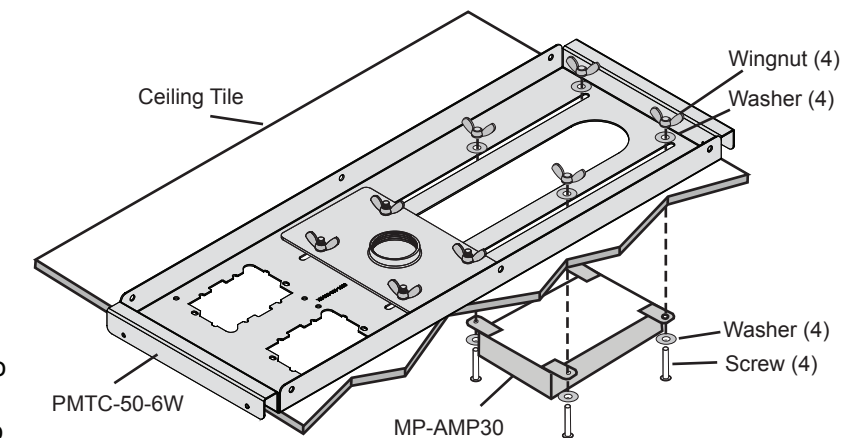

*These cables are sold separately.

Color Key
- Control
- Video
- Audio
- RGB
- LAN

Tools Required (Not Supplied)

Hand-held drill
Wire cutter
Wire stripper
Phillips screwdriver(s)
Flatblade screwdriver(s)
Compression tool for supplied RCA and BNC connectors (Refer to footnote 3 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 PMTC-50-6W Universal Ceiling Projector Mount following the instructions contained in the installation guide (Doc. 7013), supplied.

3. Mount the MP-AMP30 Media Presentation Audio Amplifier to the PMTC-50-6W using four screws, eight washers, and four wingnuts provided). Refer to the diagram to the right for details.

4. Mount the FS6-W speakers to the walls following the instructions contained in the quickstart guide (Doc. 6972), supplied.

5. Mount the Media Presentation Wall Plate devices in appropriate locations in the room. Install appropriate faceplates (not supplied).

6. 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 walls and ceiling.

7. Terminate BNC and RCA fittings as required.

8. Configure the MPC-M5 Media Presentation Controller using the MPC Wizard in SystemBuilder™, which can be obtained at **www.crestron.com/systembuilder.**

Wingnut (4)
Washer (4)
Ceiling Tile
Washer (4)
Screw (4)
PMTC-50-6W
MP-AMP30

QUICKSTART DOC. 7015D (2028069)   06.14

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IntelliClass™ Classroom AV System Package

3 **Typical Hookup Arrangement**

Strip the ends of the wires approximately 3/8 inch (12 mm). Observe the correct polarity (**+** to **+** terminal and **–** to **–** terminal) and insert into the two 2-pin detachable connectors (supplied).

L   R
+ - + -

MP-AMP30

CBL-SPK-P-35

FS6-W

Strip the ends of the wire approximately 5/8 inch (15 mm) and twist the bared strands.

Insert the wire into the speaker terminals, observing the correct polarity (**+** wire to **+** terminal and **–** wire to **–** terminal).

RCA - RCA Cable Included with MP-AMP30

CBL-AUDIO-RCAF-0.5

LAN

TYPICAL PROJECTOR

PWE-4803RU

LAN

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

MPC-M5

WP-100

CBL-KAV-RCAM3-L-P-50

Video 1 In   S-Video In   VGA-A Out   VGA-A In   VGA-B In   RS-232   Video 2 In   RJ45

Blue

Audio - C In   Audio - A In   Audio - B In   Audio Out   Audio

LAN PoE

Green

DC 12V   L   R

Red

COM

Rear

Terminate with supplied RCA compression fittings.

CBL-AUDIO-RCAF-0.5

CBL-KVGA-L-P-50

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

WP-131

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

Terminate with supplied RCA compression fittings.

CBL-KAUDIO-RCAM2-L-P-50

Red   Red
Green   Green
Blue   Blue
Black   Black
Gray

LGR

AUDIO

VGA

Rear

Cable contains either a white or yellow wire.

Terminate with supplied BNC compression fittings.

If the Crestron C logo (CRESTRON) is present on the projector, then the projector is part of the RoomView Connected 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 cable. For more information, refer to **www.crestron.com/intelliclass.**

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