IC-400-WSP-P PAK

IntelliClass™ Classroom AV System Package
Wall Speakers & Projector Mount, 4 Sources

> Provides a complete, easy-to-install multimedia projection system

> Delivers a flexible, low-cost solution that's simple to purchase

> Integrates seamlessly with Crestron Connected™ projectors

> Powered by the MPC-M5 Media Presentation Controller

> Provides an easy-to-use, customizable pushbutton control panel

> Includes high-performance surface-mount speakers, amplifier, and input wall plates

> Includes a telescoping wall mount arm specially designed for short-throw projectors[1]

> Includes all required cabling, connectors, and power supplies

> Affords numerous add-on remote control options

> Enables campus-wide monitoring and management via RoomView® Express help desk software[5]

> Provides a gateway to complete room control (lighting, occupancy sensing, etc.) using the industry's most powerful and secure IP-based control platform

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 eating up your AV/IT budget, IntelliClass assembles all the vital pieces needed to outfit your classrooms for an engaging teaching experience.

The Total Package

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.

Each IntelliClass IC-400-WSP-P PAK includes:

• A professional wall mount controller

• (2) High-performance surface-mount speakers

• A compact stereo amplifier

• A universal short-throw projector wall mount[1]

• Wall plate inputs for (2) video and (2) VGA computer sources

• Cabling and connectors

Just add your choice of video projector and screen and you've got a complete installed classroom presentation system. IntelliClass also integrates seamlessly with interactive whiteboards and wireless microphones.

Simple to Install

Installing your IntelliClass system is as simple as hanging the projector, mounting the controller, speakers, and wall plates, and connecting each of the cables.

• **Hang the projector —** The precision projector wall mount accommodates virtually any short-throw projector[1] up to 50 lbs, providing a sturdy telescoping arm that's adjustable up to 67 inches from the wall[2].

• **Mount the speakers —** Each speaker includes a surface mount bracket for attachment to a solid wall or ceiling.

• **Install the wall plates —** The controller and wall plates each mount in an extra deep electrical gang box or trim ring[3].

• **Connect the cabling —** Each cable is provided with one end terminated and compression connectors furnished for the other, making it easy to cut the cables to length and pull through ceiling spaces and conduit.[4]

CRESTRON®

Efficient by Design

The IntelliClass solution makes for a cleaner and "greener" installation, taking advantage of your projector's built-in switcher to manage each input source. There's no need for a separate bulky switcher when your projector has one right on board. The Crestron MPC-M5 controller enables very simple pushbutton control of system power, input source selection, screen up/down, and audio volume control. See the Specifications for projector requirements.

A Sound Solution

The IC-400-WSP-P PAK wraps up the complete package with a pair of high-performance surface-mount speakers and amplifier. Crestron FS6 speakers are designed to achieve exceptional sonic performance and wide coverage for a typical classroom. For larger rooms, a second pair of speakers may be added. The compact audio amplifier installs discreetly within the projector mount and delivers a hardy 30 watts of clean, efficient power to overcome the usual noises in the classroom.

Easy, Flexible Setup

Streamlined setup of your IntelliClass installation is facilitated using the Crestron MPC Wizard, affording fast and easy configuration. And, because it's Crestron, your IntelliClass system can be custom programmed by the installer for virtually any desired functionality.

Remote Control Options

Adding remote control to your IntelliClass system is also possible. The MPC-M5 can accommodate any RC5-compatible IR remote through its front panel IR receiver. Or, use any Ethernet-enabled Crestron RF handheld remote, touch screen, or MP-B Series button panel for enhanced control anywhere in the room. Your installer can even enable control through any computer Web browser or your iPhone®, iPad®, iPod touch®, or Android™ device.

Centralized Management

Every IntelliClass system lives on your school's IP network, enabling remote monitoring of the projector and other room devices through Crestron RoomView® Express Remote Help Desk and Resource Management Software[5].

Crestron Connected™ Projectors

For a truly seamless IntelliClass setup, choose a Crestron Connected projector, available from numerous top manufacturers. Crestron Connected projectors afford faster, easier integration for control and monitoring using the MPC-M5 room controller and Crestron RoomView Express remote help desk software. Even the wiring requirements are streamlined, with all control and monitoring of the projector handled directly over Ethernet. For more details and available models visit:

www.crestron.com/products/crestron_connected

SPECIFICATIONS

INCLUDED COMPONENTS

MPC-M5-W: Media Presentation Controller, White (Qty. 1)

MP-AMP30: Media Presentation Audio Amplifier (Qty. 1)

FS6-W-EACH: Surface Mount Media Presentation Speaker, White (Qty. 2)

MP-WP100-W: Media Presentation Wall Plate, Video & Audio, White (Qty. 2)

MP-WP131-W: Media Presentation Wall Plate, VGA & Audio, White (Qty. 2)

PMTW-50-W: Universal Short-Throw Projector Wall Mount, White (Qty. 1)

PW-2420RU: Power Pack for MP-AMP30 (Qty. 1)

PWE-4803RU: PoE Injector for MPC-M5 (Qty. 1)

CBL-KSERIAL-DB9-L-P-50: RS-232 Projector Control Cable, Plenum, 50 ft (Qty. 1)

CBL-CAT5E-P-50: Ethernet LAN Cable, Plenum, 50 ft (Qty. 1)

CBL-SPK-P-35: Speaker Cable, 16AWG, Plenum, 35 ft (Qty. 2)

CBL-KAV-RCAM3-L-P-50: RCA Video & Stereo Audio Cable, Plenum, 50 ft (Qty. 2)

CBL-KVGA-L-P-50: HD15 VGA Cable, Plenum, 50 ft (Qty. 2)

CBL-KAUDIO-RCAM2-L-P-50: RCA Stereo Audio Cable, Plenum, 50 ft (Qty. 2)

CBL-AUDIO-RCAF-0.5: RCA to 3.5mm Mini-TRS Stereo Audio Adapter (Qty. 5)

FPL-G1-W-T: 1-Gang Decorator Style Faceplate, White (Qty. 4)

BB-G1-LV: 1-Gang Low-Voltage Trim Ring (Qty. 4)

BB-G2-LV: 2-Gang Low-Voltage Trim Ring (Qty. 1)

Projector-to-Amplifier RCA Stereo Audio Cable, 6 ft (Qty. 1)

Controller

MPC-M5-W Media Presentation Controller M5, White:
> Crestron 2-Series control system engine;
> MPC Wizard, SystemBuilder™, or SIMPL Windows programmable;
> 10/100BaseT Ethernet, Class 2 PoE network powered;
> Crestron RoomView® Express and e-Control® Web server;
> Supports SNMP and SSL network protocols;
> Supports e-Control SDK and Crestron Mobile Pro® apps;
> (10) Custom programmable pushbuttons w/LED feedback;
> (1) RS-232 COM control port;
> (1) IR/Serial control port;
> (2) Low-voltage relay control ports;
> (2) Contact closure/logic sensing control inputs (Crestron GLS-series occupancy sensor compatible);
> Customizable backlit button labeling;
> IR receiver, 36-38 kHz, RC5 or Crestron format (remote not included);
> 2-gang electrical box installable[1]

CRESTRON®

Amplifier

MP-AMP30 Media Presentation Audio Amplifier:
  15 Watts per channel output power;
  Stereo or dual-mono configurable;
  -55 to +20 dB input level adjustment;
  ±15dB @ 100Hz bass adjustment;
  ±15dB @ 10kHz treble adjustment;
  20Hz to 20kHz ±0.5dB frequency response;
  75dB s/n, 20Hz to 20kHz A-weighted;
  0.7% THD+N, 20Hz to 20kHz;
  Surface mount, convection-cooled aluminum housing;
  5.86 x 3.91 x 1.43 in (149 x 100 x 37 mm) HWD

Speakers

FS6-W-EACH Surface Mount 6.5" 2-way Media Presentation Speaker, White:
  6.5" long-throw woofer, dual tuned bass reflex ports;
  1" wide-dispersion soft dome tweeter;
  56Hz to 20kHz (-10dB) frequency response;
  80 Watts maximum power handling;
  8 Ohms nominal impedance;
  Contoured high-impact plastic housing with painted metal grille;
  Adjustable surface-mount metal 'C' brackets included;
  12.57 x 8.24 x 9.45 in (320 x 209 x 241 mm) HWD

Wall Plates

MP-WP100-W Media Presentation Wall Plate, Video, White:
  RCA composite video input & RCA stereo audio input;
  1-gang mountable[3]

MP-WP131-W Media Presentation Wall Plate, VGA, White:
  DB15HD computer VGA input & 3.5mm Mini-TRS stereo audio input;
  1-gang mountable[3]

Cables

CBL-KSERIAL-DB9-L-P-50: RS-232 Projector Control Cable (22/3 Shielded), DB9F, Plenum, 50 ft (15 m)
CBL-CAT5E-P-50: Ethernet LAN Cable (CAT5e), RJ45 (8P8C), Plenum, 50 ft (15 m)
CBL-SPK-P-35: Speaker Cable (16/2 Twisted), Plenum, 35 ft (10.6 m)
CBL-KAV-RCAM3-L-P-50: Video & Audio Cable (26/3 Mini-Coax), RCA, Plenum, 50 ft (15 m)[4]
CBL-KVGA-L-P-50: VGA Cable (26/5 Mini-Coax), HD15, Plenum, 50 ft (15 m)[4]
CBL-KAUDIO-RCAM2-L-P-50: Audio Cable (26/2 Mini-Coax), RCA, Plenum, 50 ft (15 m)
CBL-AUDIO-RCAF-0.5: RCA to 3.5mm Mini-TRS Stereo Audio Adapter, 0.5 ft (15 cm)
Projector-to-Amplifier Stereo Audio Patch Cable, RCA, 6 ft (1.8 m)

Power Supplies

PWE-4803RU PoE Injector (for MPC-M5-W):
  IEEE 802.3af Class 0 PoE Power Sourcing Equipment;
  100-250 Volts AC, 50/60 Hz line power input

PW-2420RU 24V Power Pack (for MP-AMP30):
  2 Amp @ 24 Volts DC regulated power output;
  100-250 Volts AC, 50/60 Hz line power input

Projector Mount

PMTW-50-W Universal Short-Throw Projector Wall Mount, White:
  50 lb (23 kg) maximum weight capacity;
  Supports 7" to 67" projector mounting depth[2];
  33° tilt, 15° roll, 360° rotation, and 2" height adjustment;
  Mounts to concrete, or to (1 or 2) wood or steel studs 16", 18" or 24" o.c.;
  Variable lateral shift adjustment in case of off-center studs;
  Integrated enclosure for MP-AMP30 amplifier;
  Integrated cable management;
  Security hardware included

Projector Requirements

VGA Inputs: (2) HD15F computer VGA inputs with RCA or 3.5mm mini-TRS stereo audio inputs
Video Inputs: (2) RCA composite video inputs with RCA or 3.5mm mini-TRS stereo audio inputs
Audio Output: (1) RCA or 3.5mm mini-TRS stereo line-level output with controllable volume
Control: DB9M RS-232, without hardware handshaking, with commands for audio volume and direct input selection
Mounting: Must be ceiling mount compatible with short-throw lens[1,2]
Maximum Weight: 50 lb (23 kg)

MODELS & ACCESSORIES

Available Models

IC-400-WSP-P_PAK: IntelliClass™ Classroom AV System Package —
Wall Speakers & Projector Mount, 4 Sources

Available Accessories

FS6-W-EACH: 6.5" 2-Way Surface Mount Media Presentation Speaker,
White, Single (must be ordered in multiples of 2)
CBL-SPK-P-35: Speaker Cable, 16AWG, Plenum, 35 ft
CONN-MCOAX-BNC-50: BNC Compression Connectors, 50-Pack
CONN-MCOAX-RCA-50: RCA Compression Connectors, 50-Pack

Notes:

1. Projector mount may also be installed on a rear wall opposite the screen for use with a standard or long-throw projector.
2. Consult the PMTW-50 manual to determine projector compatibility based on throw-distance.
3. Each package includes a 2-gang post-construction trim ring for the Controller, and a 1-gang post-construction trim ring and decorator style faceplate for each Wall Plate.
4. 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).
5. Also fully compatible with Fusion RV® Remote Asset Management Software.

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.

Crestron, the Crestron logo, Crestron Connected, Crestron Mobile Pro, Crestron RoomView, e-Control, Fusion RV, IntelliClass, RoomView, and SystemBuilder are either trademarks or registered trademarks of Crestron Electronics, Inc. in the United States and/or other countries. iPad, iPhone, and iPod touch are either trademarks or registered trademarks of Apple Inc. in the United States and/or other countries. Android is either a trademark or registered trademark of Google, Inc. in the United States and/or other countries. Other trademarks, registered trademarks, and trade names may be used in this document to refer to either the entities claiming the marks and names or their products. Crestron disclaims any proprietary interest in the marks and names of others. Crestron is not responsible for errors in typography or photography. Specifications are subject to change without notice. ©2013 Crestron Electronics, Inc.