



Epson AP-60

PROJECTOR SOUND SOLUTION



Sound enhancement made easy.

Enhance any learning experience with this affordable projector sound solution. With its four speakers and 60 W of sound, it's ideal for virtually any classroom or boardroom. The included infrared (IR) wireless microphone allows the teacher to be heard throughout the room. The AP-60 is sure to engage every student and optimize the level of retention. The AP-60 offers remarkable clarity and relieves vocal strain. It supports up to two IR microphones, as well as other audio devices. With the included hardware, it's easy to install with any new or existing mounted projector. The AP-60 includes connectivity options and a remote control that also operates Epson projectors.

Sound that fills the room — four speakers and 60 W of sound (30 W x 2 channels)

Fully integrated solution — includes everything necessary to provide a quality sound solution



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From the makers of the best-selling projectors in the world.

Epson offers a wide range of high-quality projectors and peripherals to meet almost any need. Built with quality and reliability in mind, Epson projectors and peripherals enhance the level of communication and inspire collaboration, while offering a low cost of ownership. From ultraportable projectors designed for educational settings to boardroom-ready business projectors, Epson has something made for you.



Sound balance feature

With customizable settings, the AP-60 enables you to make front and rear balance adjustments in order to direct the sound toward the audience, so that everyone in the room can hear your presentation. This feature allows you to work with any classroom layout, providing the flexibility you need for an active learning environment.



- ▶ Direct the sound toward the audience, so that everyone in the room can hear your presentation

Audio out capability

The AP-60 makes project-based learning easier than ever with included features like audio out, which can be used to capture the audio portion of your presentation. Record lessons and post them as podcasts to share with other schools. Record student presentations. Or, share audio presentations with students who were ill or absent. This can also be used to connect other audio equipment.



- ▶ Record lessons and post them as podcasts to share with other schools



Eco feature

- RoHS compliant

Better Products for a Better Future™

For more information on Epson's environmental programs, go to eco.epson.com

Versatile audio support

The AP-60 comes with an IR pendant microphone, making it easy and convenient to amplify the speaker's voice, so as to keep the audience's attention. Using this amplification minimizes vocal strain and ensures all in the room can hear the presenter. Or, add another IR microphone to allow student/audience participation. The included microphone has an audio input jack, which works seamlessly with an iPod or MP3 player. Use it with your computer or DVD player to amplify the sound and truly captivate your audience.



IR pendant microphone

With a convenient IR microphone, the AP-60 offers teachers and presenters added peace of mind by ensuring their presentation will not be disrupted by interference from nearby rooms. Even if someone in the classroom next door is using a microphone, that signal will not be picked up by the IR wireless mic.



Features / Benefits

- **Optimized for voice enhancement** — allows everyone in the room to easily hear and understand the presenter
- **Customizable setup for any environment** — make front/rear balance adjustments to direct the sound toward your audience
- **Makes it easy to enhance the presenter's voice** — includes a wireless IR pendant microphone (supports up to two); works with an iPod® or MP3 player
- **Added audio support, including audio out** — supports multiple audio inputs and one audio output; connect other audio equipment for easy sound enhancement
- **Easy installation** — can be installed with new or existing projector mounts using standard, 1.5" projector mounting equipment
- **Incredible sound quality** — includes distortion noise reduction features
- **Reduces interference** — IR wireless microphone ensures your presentation will not be interrupted by outside interference
- **Easy control features, right at your fingertips** — includes a remote control to operate the speakers and your Epson projector

Fast, easy installation

Designed for easy installation, the AP-60 can be mounted with a new or existing projector onto the ceiling using standard, 1.5" projector mounting equipment. Compatible with solid and drop (false) ceilings, it includes the mounting bracket hardware and a 1.5" pipe extension. And, it eliminates the need to mount four separate speakers elsewhere in the classroom, saving you time and money. It's fast, easy and affordable.



▲ Includes mounting bracket

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Product Name	Product Code	UPC
AP-60 (U.S.)	V12H329020	0 10343 87469 5
AP-60 (Canada)	V12H329020-F	0 10343 87524 1
Pendant Microphone (PM-60)	V12H3290M1	0 10343 87508 1



Specifications

Main Speaker and Electronics Unit

Power Output

30 W RMS x 2 channels (60 W total)
T.H.D. < 1% / 1 kHz / 30 W

Frequency Range

100 Hz – 20 KHz

Speaker Level

85 dB ± 3.5 dB at 1 W at 1 m

Speaker Impedance

8 Ω/ch

Receiving Frequencies (IR)

Mic Channel 1 = 2.06 MHz
Mic Channel 2 = 2.56 MHz

Power Consumption

Standby: 1 W or less
110 W max

Input Voltage

AC 100 ~ 240 V ± 10% 50 Hz/60 Hz

DSP Features

Auto Power Off (after 60 min. with no input)
Voice-optimized System Equalization
Anti-Feedback Circuit
High Frequency Cut Filter

Audio Connectors

3.5 mm Stereo Minijack input (Line 1)
RCA / L & R input (Line 2)
3.5 mm Stereo Minijack output (Rec Out)

Other Connectors

75 Ω F type / Coaxial × 2 (IR receiver)
AC power inlet

Controls

Individual Gain Controls for Mic
Channels 1 & 2 and Line Channels 1 & 2
Balance Control (Front / Rear Fader)
Master Volume (Up / Down)
Anti-Feedback Switch (Off / Low / High)
High Frequency Cut Switch (Off / On)
Standby Switch

Indicators

Standby LED
Command LED
Mic Channel 1 LED
Mic Channel 2 LED

Command Sensor

Front Panel of DSP (Sensor 1)
Rear Side of Enclosure (Sensor 2)

Dimensions (W x D x H)

Main unit only: 14.25" x 14.25" x 7.36"
With mounting bracket: 14.25" x 14.25" x 7.71"
Weight: 15.2 lb/6.9 kg

Safety Standard

U.S.: UL60065
Canada: CAN/CSA-C22.2 No.60065-03

EMC

U.S.: FCC part 15B class B
Canada: ICES-003 class B

Limited Warranty

3-year limited warranty

Pendant Microphone

Microphone Type

Single Directivity Electret Capacitor x 2

Controls

Gain Adjustment Thumbwheel
Power Switch
Mic Channel Switch (1 / 2)

Audio Connectors

3.5 mm Stereo Minijack (Aux In)

Transmitting Frequencies (IR)

Channel 1 = 2.06 MHz
Channel 2 = 2.56 MHz

Battery Type

AA Alkaline (LR6) x 2

Dimensions (W x D x H)

5.10" x 2.25" x 0.73"
Weight: 2.19 ounces/62 g

IR Sensor

Input Voltage

DC 24 V (draws power from IR receiver)

Connector

75 Ω F type

Size

4.0" x 1.2" (not including connector)

Weight

6.17 ounces (175 g)

Remote Control

AP-60 Controls

Standby
Mute
Volume Up / Down

Epson Projector Controls

Standby
A/V Mute
Source Search

Battery Type

AA Manganese Dioxide (R6) x 2

Other Included Components

Mount Kit

Extension Pipe (48.6 mm × 307 mm)
Lower Bracket
Anti-rotation Bolt (M10 × 63 mm) w/ M10 Nut
M47.5 Nut
Guy Wire (1.5 mm × 1.2 mm)

Cables

Power Cable (3 m)
IR Sensor Cable / Coaxial (3 m)

Batteries

AA Alkaline (LR6) x 2 (for Microphone)
AA Manganese Dioxide (R6) x 2 (for Remote)

Manuals

Installation Guide
Users Guide
Connection Diagrams