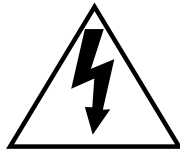AC Adapter
# AW-PS300

# Operating Instructions



# Panasonic ®

Before attempting to connect or operate this product,
please read these instructions completely.

**CAUTION**

RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION:
TO REDUCE THE RISK OF ELECTRIC SHOCK, DO
NOT REMOVE COVER (OR BACK). NO USER SER-
VICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PER-
SONNEL.

The lightning flash with arrowhead sym-
bol, within an equilateral triangle, is
intended to alert the user to the pres-
ence of uninsulated "dangerous voltage"
within the product's enclosure that may
be of sufficient magnitude to constitute a
risk of electric shock to persons.

SA 1965

The exclamation point within an equilat-
eral triangle is intended to alert the user
to the presence of important operating
and maintenance (servicing) instructions
in the literature accompanying the appli-
ance.

SA 1966

For U.S.A

Warning:
Do not install this product near any object that burns easily.
In case of using a halogen lamp, installation of it near such
an object could cause a fire due to the heat generated by the
lamp.

For CANADA

This digital apparatus does not exceed the Class A limits for
radio noise emissions from digital apparatus set out in the
Radio Interference Regulations of the Canadian Department
of Communications.

The serial number of this product may be found on the bot-
tom of the unit.
You should note the serial number of this unit in the space
provided and retain this book as a permanent record of your
purchase to aid identification in the event of theft.

Model No.  _____

Serial No.  _____

WARNING:
TO PREVENT FIRE OR ELECTRIC SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

**CONTENTS**

# FEATURES

- This is the AC Adapter for the Pan/tilt Head AW-PH300.
- It has an AC outlet (500 W maximum) for halogen lamps that can be switched on and off from a Control Panel (AW-RP301, AW-RP305, AW-RP501, or AW-RP505).
- It also has an option switch (120V, 1A maximum) whose contact can be shorted or opened from a Control Panel (AW-RP301, AW-RP305, AW-RP501, or AW-RP505).

- The maximum allowable cable length between this adapter and pan/tilt head is 30 meters.

# PRECAUTIONS

- **Handle the adaptor with care.**
  Dropping the control panel or subjecting it to a strong shock can cause a failure or an accident.

- **Operating temperature range –10°C to +45°C**
  Avoid using it in a cold place below –10°C or a hot place above +45°C because low or high temperature will adversely affect the parts inside.

- **Switch power off before power cable connection or disconnection.**
  Be sure to switch power off before connecting or disconnecting the power cable.

- **Avoid outdoor use.**

- **Install the control panel more than 1 meter away from the monitors.**
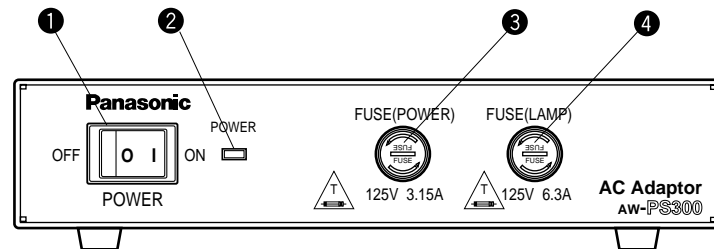
- **Care**
  Pull out the power cable plug, and wipe the control panel clean with a dry cloth. If it is extremely dirty, dip a cloth into a diluted solution of kitchen detergent, squeeze it hard, and wipe the product surfaces carefully.

> **Note**
> - Do not use benzine, paint thinner, or other volatile liquids.
> - When using a chemical duster, carefully read the caution notes on its use.

# MAJOR OPERATING CONTROLS AND THEIR FUNCTIONS

## ■ FRONT PANEL

**❶ Power Switch (POWER, ON/OFF)**
Power is switched on to supply power to the pan/tilt head when this switch is pressed to the ON position (POWER Indicator lights), and is switched off when the switch is pressed to the OFF position.

**❷ Power Indicator (POWER)**
Lights red when POWER ON/OFF Switch ❶ is pressed to the ON position, and goes out when POWER ON/OFF Switch ❶ is pressed back to the OFF position.
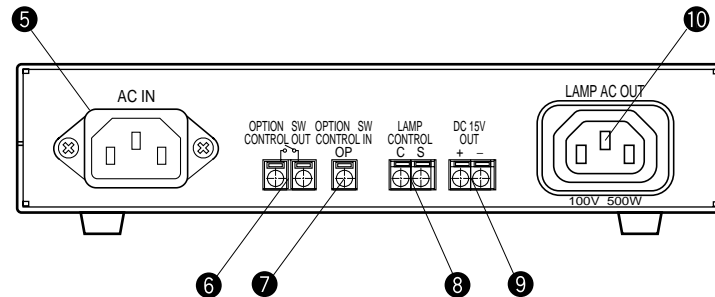
**❸ Fuse [FUSE (POWER)]**
Power fuse. Use a 125V, 3.15A fuse to replace it.

**❹ Lamp Fuse [FUSE (LAMP)]**
Halogen lamp fuse. Use a 125V, 6.3A fuse to replace it.

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# ■ FRONT PANEL



❺ **AC 120V Inlet [AC IN](AC 3P Inlet)**
Connect the supplied AC cable.

❻ **Option Switch Terminal (OPTION SW CONTROL OUT) (2P Terminal Board)**
A relay switch capable of controlling the contact to short or open from a Control Panel (AW-RP301, AW-RP305, AW-RP501, or AW-RP505). The terminal board has a maximum capacity of 120 V, 1 A (AC/DC), and is valid when it is connected to OPTION SW CONTROL IN Terminal ❼ on the pan/tilt head.

❼ **Option Switch Control Input Terminal (OPTION SW CONTROL IN) (1P Terminal Board)**
Connect it to OP Output Terminal on the pan/tilt head when controlling OPTION SW CONTROL OUT Terminal

❻ to short or open, using a cable (to be locally purchased) with a nominal cross section of 0.3 mm$^2$ or more that meets the UL specifications. The maximum allowable cable length is 30 meters.
Applicable Wire
    Solid wire:              ø1.02 (AWG 18)
    Stranded wire:       0.75 mm$^2$
Usable wire range
    Solid wire:              ø0.64 to ø1.02
                                    (AWG 22 to 18)
    Stranded wire:       0.3 mm$^2$ to 0.75 mm$^2$
                                    (AWG 22 to 20)
                                    Strand diameter: ø0.18 or more
Standard bare end length          10 mm

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❽ **Lamp Control Input Terminals (LAMP CONTROL C/S) (2P Terminal Board)**

Connect it to LAMP CONTROL C/S Terminals on the pan/tilt head when controlling the halogen lamp connected to LAMP AC OUT Connector ❿ to switch it on and off, using a cable (to be locally purchased) with a nominal cross section of 0.3 mm$^2$ or more that meets the UL specifications. The maximum allowable cable length is 30 meters.

Applicable wire
  Solid wire:        ø1.29 (AWG 16)
  Stranded wire:   1.25 mm$^2$ (AWG 16)
Usable wire range
  Solid wire:        ø0.64 to ø1.29
                            (AWG 22 to 16)
  Stranded wire:   0.3 mm$^2$ to 1.25 mm$^2$
                            (AWG 22 to 16)
                            Strand diameter ø0.18 or more
Standard bare end length        11 mm

❾ **DC 15V Output Terminal (DC 15V OUT +/–) (2P Terminal Board)**

Connect it to (DC 15V IN +/– Terminals) on the pan/tilt head with a cable (to be locally purchased) with a nominal cross section of 1.25 mm$^2$ or more that meets the UL specifications. The maximum allowable cable length is 30 meters.

Applicable (usable) wire
  Solid wire:        ø1.29 (AWG 16)
  Stranded wire:   1.25 mm$^2$ (AWG 16)
                            Strand diameter ø0.18 or more
Standard bare end length        11 mm

❿ **Lamp AC Output Connector [LAMP AC OUT] (AC 3P Outlet)**

AC Output Connector for halogen lamps to be switched on and off from a Control Panel (AW-RP301, AW-RP305, AW-RP501, or AW-RP505). Locally purchase an AC plug conversion cable that matches the AC plug for the halogen lamp to be used. Connect a halogen lamp of 250 W to 500 W. If a halogen lamp of less than 250 W is connected, the LAMP Indicator on the control panel may flash to indicate a burnt bulb even though the lamp is normal.

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# CONNECTION

- Switch off all the devices before making any connection.
- Use the Pan/tilt Head AW-PH300.
- Connect the DC 15V OUT Terminals [+] and [–] on this adapter to the DC 15V IN Terminals [+] and [–] on the Pan/tilt Head (AW-PH300) respectively with cables (to be locally purchased) with a nominal cross section of 1.25 mm² or more that meets the UL specifications. The maximum allowable cable length between the adapter and pan/tilt head is 30 meters.

  Applicable (usable) wire

  Solid wire:           ø1.29 (AWG 16)
  Stranded wire:        1.25mm² (AWG 16)
                        Strand diameter ø0.18 or more
  Standard bare end length:       11 mm

- To switch on and off the halogen lamp from the control panel, connect the LAMP CONTROL Input Terminals [C] and [S] to the LAMP CONTROL Output Terminals [C] and [S] on the pan/tilt head respectively with cables (to be locally purchased) with a nominal cross section of 0.3 mm² or more that meets the UL specifications. The maximum allowable cable length is 30 meters. Locally purchase an AC plug conversion cable that matches the AC plug for the halogen lamp to be used, and connect a halogen lamp of 250 W to 500 W to the lamp AC outlet. If a halogen lamp of less than 250 W is connected, the LAMP Indicator on the control panel may flash to indicate a burnt bulb even though the lamp is normal.

Applicable wire

  Solid wire:           ø1.29 (AWG 16)
  Stranded wire:        1.25 mm(AWG16)²
Usable wire range
  Solid wire:           ø0.64 to 1.29 (AWG 22 to 16)
  Stranded wire:        0.3 mm² to 1.25 mm²
                        (AWG 22 to 16)
                        Strand diameter ø0.18 or more
  Standard bare end length:       11 mm

- To control the option switch terminal to short or open from the control panel, connect the OPTION SW CONTROL IN Terminal [OP] on the adapter to the OP Output Terminal on the pan/tilt head with a cable (to be locally purchased) with a nominal cross section of 0.3 mm² or more that meets the UL specifications. The maximum capacity of the option switch terminal is 120V 1A (AC/DC).

Applicable wire

  Solid wire:           ø1.02 (AWG 18)
  Stranded wire:        0.75 mm²
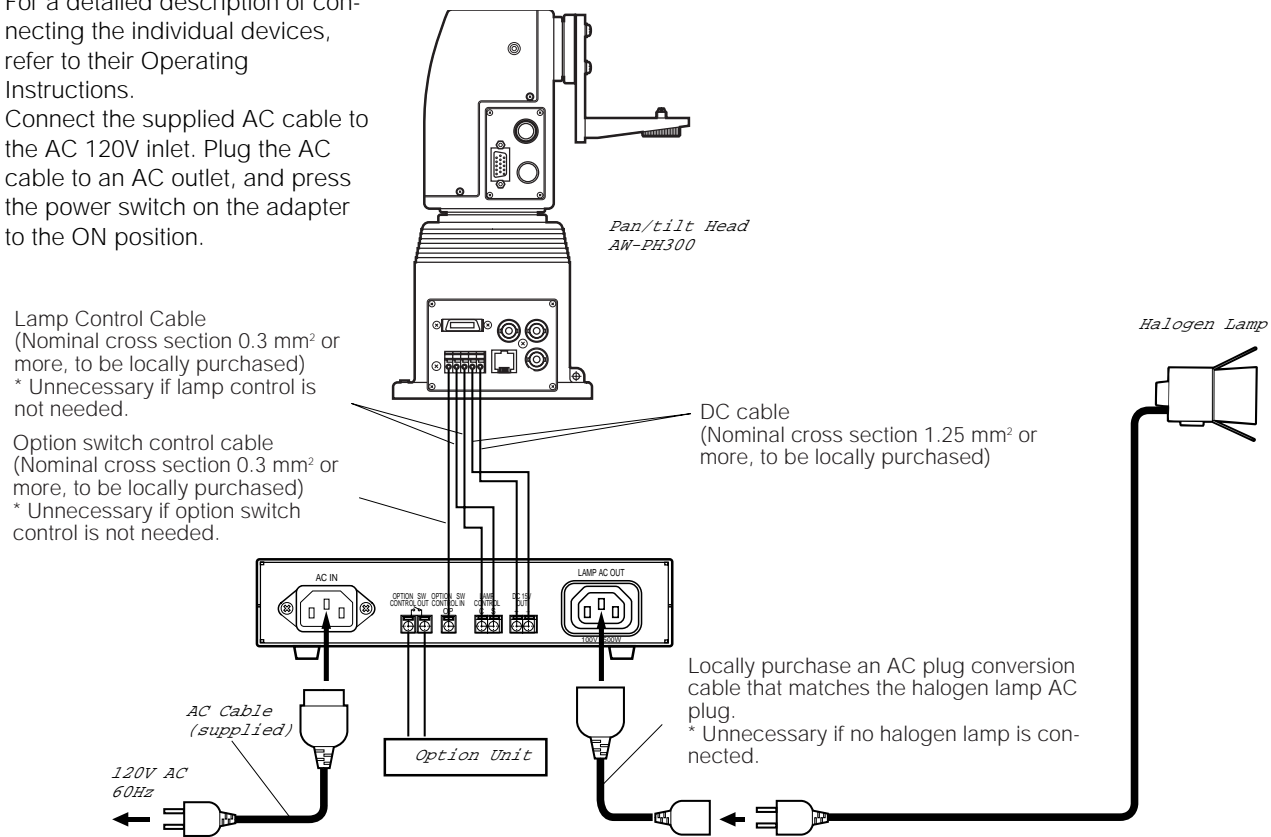Usable wire range
  Solid wire:           ø0.64 to 1.02 (AWG 22 to 18)
  Stranded wire:        0.3 mm² to 0.75 mm²
                        (AWG 22 to 20)
                        Strand diameter ø0.18 or more
  Standard bare end length:       10 mm

- For details on the connection, refer to the Operating Instructions.

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- For a detailed description of connecting the individual devices, refer to their Operating Instructions.
- Connect the supplied AC cable to the AC 120V inlet. Plug the AC cable to an AC outlet, and press the power switch on the adapter to the ON position.

*Pan/tilt Head*
*AW-PH300*

*Halogen Lamp*

Lamp Control Cable
(Nominal cross section 0.3 mm$^2$ or more, to be locally purchased)
* Unnecessary if lamp control is not needed.

Option switch control cable
(Nominal cross section 0.3 mm$^2$ or more, to be locally purchased)
* Unnecessary if option switch control is not needed.

DC cable
(Nominal cross section 1.25 mm$^2$ or more, to be locally purchased)

AC IN

OPTION SW OPTION SW LAMP DC 15V LAMP AC OUT
CONTROL OUT CONTROL IN CONTROL OUT

*AC Cable*
*(supplied)*

Locally purchase an AC plug conversion cable that matches the halogen lamp AC plug.
* Unnecessary if no halogen lamp is connected.

*120V AC*
*60Hz*

*Option Unit*

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## SPECIFICATIONS

| | |
|---|---|
| Source Voltage: | 120 V AC 60 Hz |
| Input Capacity: | 552W |
| Power Output: | DC 15V OUT:    DC15V 2.5A, with over-current protect circuit |
| | LAMP AC OUT:  120V AC, max. 500W, min. 250W |
| Pan/tilt head connecting cables: | 5 cables (2 DC power cables, 2 lamp control cables, 1 option switch control cable) |
| | (in case of using the lamp control and option switch control functions) |
| Maximum cable length | 30 m |
| Operating temperature: | –10°C to +45°C (14°F to 113°F) |
| Dimensions: | 210(W) x 51(H) x 250(D) mm |
| | 8-1/4″(W) x 2″(H) x 9-7/8″(D) |
| Weight: | 2.5 **kg** (5.5 lbs.) |
| Finish: | AV Ivory baking |

Weight and dimensions indicated are approximate.
Specifications are subject to change without notice.

## ACCESORY

AC Cable ........................................................................1 pc.

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