



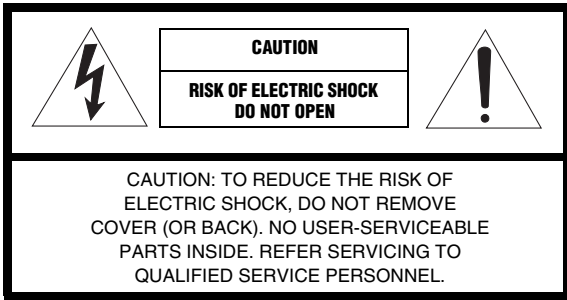
PJP-VC1

IP Video Conference Codec
Codec de vidéoconférence IP



OWNER'S MANUAL
MODE D'EMPLOI
BEDIENUNGSANLEITUNG

IMPORTANT SAFETY INSTRUCTIONS



• Explanation of Graphical Symbols



This graphic symbol is intended to alert you to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



This graphic symbol is intended to alert you to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

- 1 Read Instructions – All the safety and operating instructions should be read before you operate the product.
- 2 Retain Instructions – The safety and operating instructions should be retained for future reference.
- 3 Heed Warnings – All warnings on the product and in the operating instructions should be adhered to.
- 4 Follow Instructions – All operating and use instructions should be followed.
- 5 Cleaning – Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners.
- 6 Attachments – Do not use attachments not recommended by the product manufacturer as they may cause hazards.
- 7 Water and Moisture – Do not use this product near water – near a bath tub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool; and the like.
- 8 Accessories – Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer’s instructions, and should use a mounting accessory recommended by the manufacturer.
- 9 A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.



- 10 Ventilation – Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer’s instructions have been adhered to.
- 11 Power Sources – This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.
- 12 Grounding or Polarization – This product may be equipped with a polarized alternating current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.
- 13 Power-Cord Protection – Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.
- 14 Lightning – For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.
- 15 Power Lines – An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.
- 16 Overloading – Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.
- 17 Object and Liquid Entry – Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.
- 18 Servicing – Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
- 19 Damage Requiring Service – Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 - a) When the power-supply cord or plug is damaged,
 - b) If liquid has been spilled, or objects have fallen into the product,
 - c) If the product has been exposed to rain or water,

- d) If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation,
 - e) If the product has been dropped or damaged in any way, and
 - f) When the product exhibits a distinct change in performance - this indicates a need for service.
- 20** Replacement Parts – When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
- 21** Safety Check – Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.
- 22** Wall or Ceiling Mounting – The unit should be mounted to a wall or ceiling only as recommended by the manufacturer.
- 23** Heat – The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

**COMPLIANCE INFORMATION STATEMENT
(DECLARATION OF CONFORMITY PROCEDURE)**

Responsible Party: Yamaha Electronics Corporation,
U.S.A.

Address: 6660 Orangethorpe Avenue Buena Park,
California 90620

Telephone: (714)522-9105

Hours of operation: Monday through Friday
8 a.m. - 4 p.m. PST.

Type of Equipment: IP Video Conference Codec
Model Name: PJP-VC1

This device complies with Part 15 of the FCC Rules.
Operation is subject to the following two conditions:

- 1) this device may not cause harmful interference, and
 - 2) this device must accept any interference received including interference that may cause undesired operation.
- See user manual instructions if interference to radio reception is suspected.

FOR RESIDENTS IN CALIFORNIA

This product contains a battery that contains perchlorate material.

Perchlorate Material – special handling may apply. See www.dtsc.ca.gov/hazardouswaste/perchlorate.

FCC INFORMATION (for US customers)

1 IMPORTANT NOTICE: DO NOT MODIFY THIS UNIT!

This product, when installed as indicated in the instructions contained in this manual, meets FCC requirements. Modifications not expressly approved by Yamaha may void your authority, granted by the FCC, to use the product.

2 IMPORTANT: When connecting this product to accessories and/or another product use only high quality shielded cables. Cable/s supplied with this product **MUST** be used. Follow all installation instructions. Failure to follow instructions could void your FCC authorization to use this product in the USA.

3 NOTE: This product has been tested and found to comply with the requirements listed in FCC Regulations, Part 15 for Class “A” digital devices. Compliance with these requirements provides a reasonable level of assurance that your use of this product in a commercial environment will not result in harmful interference with other electronic devices. However, operation of this product in a residential area is likely to cause interference in some form. In this case you, the user, bear the responsibility of correcting this condition.

This product generates/uses radio frequencies and, if not installed and used according to the instructions found in the users manual, may cause interference harmful to the operation of other electronic devices.

Compliance with FCC regulations does not guarantee that interference will not occur in all installations. If this product is found to be the source of interference, which can be determined by turning the product “OFF” and “ON”, please try to eliminate the problem by using one of the following measures:

Relocate either the product generating the interference or the device that is being affected by the interference.


Utilize power outlets that are on different branch (circuit breaker or fuse) circuits or install AC line filter/s.

In the case of radio or TV interference, relocate/reorient the antenna. If the antenna lead-in is 300 ohm ribbon lead, change the lead-in to coaxial type cable.

If these corrective measures do not produce satisfactory results, please contact your local retailer authorized to distribute this type of product. If you can not locate the appropriate retailer, please contact Yamaha Electronics Corp., U.S.A. 6660 Orangethorpe Ave, Buena Park, CA 90620.

The above statements apply ONLY to those products distributed by Yamaha Corporation of America or its subsidiaries.

CAUTION: READ THIS BEFORE OPERATING YOUR UNIT.

- 1 To assure the finest performance, please read this manual carefully. Keep it in a safe place for future reference.
- 2 Install this unit in a well ventilated, cool, dry, clean place with at least 10 cm on the top, 10 cm on the left and right, and 10 cm at the back of this unit — away from direct sunlight, heat sources, vibration, dust, moisture, and/or cold.
- 3 Locate this unit away from other electrical appliances, motors, or transformers to avoid humming sounds.
- 4 Do not expose this unit to sudden temperature changes from cold to hot, and do not locate this unit in an environment with high humidity (i.e. a room with a humidifier) to prevent condensation inside this unit, which may cause an electrical shock, fire, damage to this unit, and/or personal injury.
- 5 Avoid installing this unit where foreign object may fall onto this unit and/or this unit may be exposed to liquid dripping or splashing. On the top of this unit, do not place:
 - Other components, as they may cause damage and/or discoloration on the surface of this unit.
 - Burning objects (i.e. candles), as they may cause fire, damage to this unit, and/or personal injury.
 - Containers with liquid in them, as they may fall and liquid may cause electrical shock to the user and/or damage to this unit.
- 6 Do not cover this unit with a newspaper, tablecloth, curtain, etc. in order not to obstruct heat radiation. If the temperature inside this unit rises, it may cause fire, damage to this unit, and/or personal injury.
- 7 Do not plug in this unit to a wall outlet until all connections are complete.
- 8 Do not operate this unit upside-down. It may overheat, possibly causing damage.
- 9 Do not use force on switches, knobs and/or cords.
- 10 When disconnecting the power cable from the wall outlet, grasp the plug; do not pull the cable.
- 11 Do not clean this unit with chemical solvents; this might damage the finish. Use a clean, dry cloth.
- 12 Only voltage specified on this unit must be used. Using this unit with a higher voltage than specified is dangerous and may cause fire, damage to this unit, and/or personal injury. YAMAHA will not be held responsible for any damage resulting from use of this unit with a voltage other than specified.
- 13 Do not attempt to modify or fix this unit. Contact qualified YAMAHA service personnel when any service is needed. The cabinet should never be opened for any reasons.
- 14 When not planning to use this unit for long periods of time, disconnect the AC power plug from the wall outlet.
- 15 Before moving this unit, press  / | (Power) to set this unit in standby mode, and disconnect the AC power plug from the wall outlet.
- 16 Condensation will form when the surrounding temperature changes suddenly. Disconnect the power cable from the outlet, then leave the unit alone.
- 17 When using the unit for a long time, the unit may become warm. Turn the power off, then leave the unit alone for cooling.
- 18 Install this unit near the wall outlet and where the AC power plug can be reached easily.

This unit is not disconnected from the AC power source as long as it is connected to the AC wall outlet, even if this unit itself is turned off. This state is called the standby mode. In this state, this unit is designed to consume a very small quantity of power.

FOR CANADIAN CUSTOMERS

To prevent electric shock, match wide blade of plug to wide slot and fully insert.
This Class A digital apparatus complies with Canadian ICES-003.

WARNING

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.

WARNING

THE POWER SUPPLY CABLE OF THIS UNIT MUST BE CONNECTED TO THE MAIN SOCKET OUTLET VIA A PROTECTIVE EARTHING CONNECTION.

WARNING

This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

■ For U.K. customers

If the socket outlets in the home are not suitable for the plug supplied with this appliance, it should be cut off and an appropriate 3 pin plug fitted. For details, refer to the instructions described below.

Note

The plug severed from the mains lead must be destroyed, as a plug with bared flexible cord is hazardous if engaged in a live socket outlet.

■ Special Instructions for U.K. Model

WARNING-THIS APPARATUS MUST BE EARTHED.

IMPORTANT

THE WIRES IN THIS MAINS LEAD ARE COLOURED IN ACCORDANCE WITH THE FOLLOWING CODE:

BLUE:NEUTRAL
BROWN:LIVE

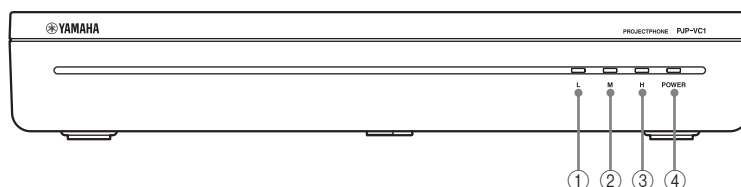
As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows: The wire which is coloured BLUE must be connected to the terminal which is marked with the letter N or coloured BLACK. The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or coloured RED. Making sure that neither core is connected to the earth terminal of the three pin plug.

Features

This is an IP Video Conference Codec for connecting PJP-300V (sold separately) to a networks, such as the Internet or a corporate LAN.

Controls and Functions

■ Front panel



① L indicator

Indicates communication status.

- In connection mode: Blinks in orange.
- Communication speed is less than 64 - 256Kbps: Lights up in orange.
- Having an incoming call: Blinks in orange.

② M indicator

Indicates communication status.

- Less than 256 - 768Kbps: Lights up in orange.
- Having an incoming call: Blinks in orange.

③ H indicator

Indicates communication status.

- Less than 768 - 1920Kbps: Lights up in orange.
- Having an incoming call: Blinks in orange.

④ POWER indicator

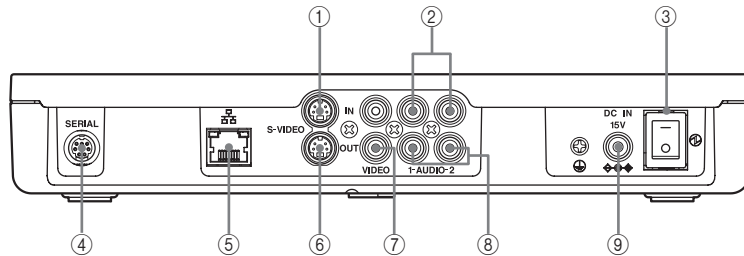
Indicates the status of this unit.

- Standby mode: Lights up in orange.
- On: Lights up in green.

Note

- If the POWER indicator doesn't light up, check that the Power switch is turned on. Also, refer to the owner's manual of PJP-300V to check that the AC adapter and power cable are connected properly.
- If the L/M/H indicators don't light up or blink properly, check that the LAN cable is connected properly. Also, refer to the owner's manual of PJP-300V to check that the settings of PJP-300V is configured properly.

■ Rear panel



① **S VIDEO IN terminal**

Video signals are input to this terminal.

② **AUDIO input terminal**

Audio signals are input to this terminal.

③ **Power switch**

Turns on/off this unit.

④ **SERIAL terminal**

Connect to the SERIAL terminal of PJP-300V.

⑤ **LAN port**

Connect to the networking equipment such as a PC, router or hub, using a LAN cable.

⑥ **S VIDEO OUT terminal**

Video signals are output from this terminal to a monitor, such as a TV or projector.

⑦ **VIDEO OUT terminal**

Video signals are output from this terminal to a monitor, such as a TV or projector.

⑧ **AUDIO output terminal**

Audio signals are output from this terminal.

⑨ **DC IN terminal**

Connect to the provided AC adaptor.

Setting Menu List

For details on the setting menu of this unit, see “Setting Menu List” (page 31) in the owner’s manual of PJP-300V.

| Menu | Page | |
|-------------------------------|-----------------------|-------------|
| Network Settings | DHCP | page 31 |
| | IP Address | page 31 |
| | Subnet Mask | page 31 |
| | Gateway | page 31 |
| | DNS | page 31 |
| | UPnP | page 31 |
| | Protocol Mode | page 31 |
| | Max Comm Speed | page 31 |
| | Network Loss | page 31 |
| | H.323 | page 32 |
| | SIP | page 32 |
| | Video Settings | Video CODEC |
| Video Quality | | page 32 |
| P.Loss Concealment | | page 32 |
| Camera Tracking | | page 32 |
| CamTrack Sensitivity | | page 32 |
| Camera Pause Time | | page 32 |
| Sound Settings | Room Size | page 33 |
| | Audio CODEC | page 33 |
| | Audio Delay | page 33 |
| | P.Loss Concealment | page 33 |
| General Settings | Site Name | page 33 |
| | Date/Time | page 33 |
| | Incoming Mode | page 33 |
| | Ring Volume | page 33 |
| | Unit Installation | page 33 |
| | Standby Mode | page 33 |
| Administrator Settings | Password Registration | page 34 |
| | VC1 Connection | page 34 |
| | Initialization | page 34 |
| | Firmware Update | page 34 |
| | Device Information | page 34 |

Updating the firmware

You can download the firmware (program to control the functions of this unit) to use the latest features. For details, see “Updating the Firmware” (page 41) in the owner's manual of PJP-300V.

Specifications

General

- Dimensions (W x H x D) 280 mm x 45 mm x 173 mm
(11-1/32" x 1-25/32" x 6-13/16")
- Weight (excl. AC adapter) 1.3 kg
(2.9 lbs)
- Power supply 100 to 240 V AC (50/60 Hz)
- Power consumption Approx. 21 W

Operating environment

- Ambient temperature 0 to 40 °C
(32 to 104 °F)
- Ambient humidity 20% to 85% (no condensation)

Radio interference standard

- FCC Part 15 (US)
EN55022 (EU)

LAN interfaces

- Ethernet 10BASE-T/100BASE-TX
- Protocols IEEE802.3/IEEE802.3u
- Communication mode Auto negotiation, fixed
- Connectors RJ-45
- MAC address Displayed in "Device Information" on the setting menu screen.
- Polarity Straight/cross automatically detected

Audio input/output interfaces

- Stereo analog input/output (1 each)
- Connectors Pin-jacks

Video output interfaces

- S-Video, Video (1 each)
- Connector S terminal, composite terminal

Serial interface

- RS-232C
- Connectors Mini DIN

Communication protocol

- H.323, SIP

Audio encoding

- G.722 (64 kbit/s), G.711 μ -law/A-law (64 kbit/s),
G.729a (8 kbit/s)

Video encoding

- H.261, H.263, H.264
- Resolution CIF

Accessories

- AC adapter x 1
- Power cable x 1
- LAN cable x 1
- Owner's manual (this manual) x 1
- Warranty card x 1
- S terminal cable x 1
- Serial cable x 1
- Stereo audio cable x 1
- Bracket x 1

*Specifications are subject to change without notice.

This owner's manual is based on the firmware as of December 2006. The functions and specifications could be possibly added or changed by a firmware update.

Visit the PJP website to obtain the latest firmware and manuals.

PJP website:

<http://www.yamaha.co.jp/english/product/projectphone/>

Ce mode d'emploi se réfère à la version du micrologiciel disponible en décembre 2006. Des fonctions et spécifications peuvent être ajoutées ou changées par une mise à jour du micrologiciel.

Consultez le site PJP pour obtenir les tout derniers micrologiciel et manuels.

Site PJP:

<http://www.yamaha.co.jp/english/product/projectphone/>

Diese Bedienungsanleitung basiert auf die Firmware vom Dezember 2006. Die Funktionen und technischen Daten können möglicherweise durch eine zukünftige Firmware-Aktualisierung erweitert oder geändert werden. Besuchen Sie die PJP-Website zum Erhalten der neuesten Firmware und Anleitungen.

PJP-Website:

<http://www.yamaha.co.jp/english/product/projectphone/>

