

## VP Receiver VPR-1

# INSTRUCTION MANUAL

Please read this instruction manual carefully before using this product and keep it for future reference.

## IMPORTANT SAFEGUARDS

### ■ Read Instructions

All the safety and operating instructions should be read before the product is operated.

### ■ Retain Instructions

The safety and operating instructions should be retained for future reference.

### ■ Heed Warnings

All warnings on the product and in the operating instructions should be adhered to.

### ■ Follow Instructions

All operating and use instructions should be followed.

### ■ Cleaning

Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

### ■ Attachments

Do not use attachments not recommended by the product manufacturer as they may cause hazards.

### ■ Water and Moisture

Do not use this product near water - for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, and the like.

### ■ Placement

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.

### ■ 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.

### ■ 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 appliance dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.

### ■ Grounding or Polarization

This product may be equipped with either a polarized 2-wire AC line plug (a plug having one blade wider than the other) or a 3-wire grounding type plug, a plug having a third (grounding) pin. The 2-wire polarized 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 still fails to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug. The 3-wire grounding type plug will fit into a grounding type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the grounding type plug.

### ■ 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.

### ■ 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.

### ■ Overloading

Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.

### ■ 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.

### ■ 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.

### ■ 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.

### ■ Damage Requiring Service

Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:

-When the power-supply cord or plug is damaged.

-If liquid has been spilled, or objects have fallen into the product.

-If the product has been exposed to rain or water.

-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.

-If the product has been dropped or damaged in any way.

-When the product exhibits a distinct change in performance - this indicates a need for service.

### ■ 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.

### ■ 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.



### ■ Heat

The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.



SA 1965



SA 1966

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user 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 marking is located at the bottom of product.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

### WARNING:

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

### FCC CAUTION:

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the product.

### ■ FCC & IC statement ■

#### IMPORTANT NOTE:

This Class B digital product complies with Canadian ICES-003.

This product complies with Part 15 of FCC Rules and Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this product may not cause interference, and (2) this product must accept any interference, including interference that may cause undesired operation of this product.

This product has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This product generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation.

If this product does cause harmful interference to radio or television reception, which can be determined by turning the product off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

–Reorient or relocate the receiving antenna.

–Increase the separation between the equipment and receiver.

–Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

–Consult the dealer or an experienced radio/TV technician for help.

When using IEEE 802.11a wireless LAN, this product is restricted to indoor use, due to its operation in the 5.15 to 5.25GHz frequency range.

The FCC requires this product to be used indoors for the frequency range of 5.15GHz to 5.25GHz to reduce the potential for harmful interference to cochannel mobile satellite systems.

High-power radar is allocated as the primary user of the 5.25 to 5.35GHz and 5.65 to 5.85GHz bands.

These radar stations can cause interference with and/or damage to this product.

In some environments, the use of wireless devices may be restricted.

Such restrictions may apply in hospitals, near explosives, in hazardous locations, and so on.

If you are uncertain of the policy that applies to the use of this product, ask for authorization to use it before you turn it on.

#### FCC Radiation Exposure Statement:

This product complies with FCC radiation exposure limits set forth for an uncontrolled environment. This product should be installed and operated with minimum distance 20cm between the radiator & your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The availability of some specific channels and/or operational frequency bands are country dependent and are firmware programmed at the factory to match the intended destination. The firmware setting is not accessible by the end user.

#### Radiation Exposure Statement:

This product complies with Canada radiation exposure limits set forth for an uncontrolled environment. This product should be installed and operated with minimum distance 20cm between the radiator & your body.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Le présent appareil est conforme aux la partie 15 des règles de la FCC et CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

La bande 5 150-5 250 MHz est restreints à une utilisation à l'intérieur.

#### Déclaration d'exposition aux radiations:

Cet équipement est conforme aux limites d'exposition aux rayonnements Canada établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.

### NOTICE:

- Do not use this product outside your Country.

- Depending on the specification of the HDMI device, this product may not work properly or there may be some effect on performance with this product.

- Compatibilities with supporting models were confirmed in our environment.

We do not guarantee operation in all environments.

- Depending on the devices to be used with this product, CEC function may not be used.

- Because wireless connection takes a time in the low temperature environment, please use after switching it on and waiting for a while..

- Product design and the specification are subject to change without prior notice.

- **ELMO** and **Teacher's + Choice** are trademark of ELMO Co., Ltd.

- All other company/products names described in this manual are trademarks or registered trademarks of respective companies.

SUPPLIED ITEMS

Contact your dealer if any of the following items are not included in the package.



VP Receiver



AC adapter



Instruction Manual

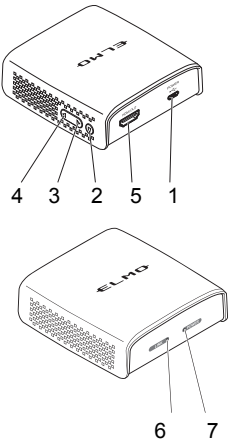


Warranty Card

OPERATION PROCEDURES

Part Names

- 1. Micro USB power port : AC adapter terminal.
- 2. Menu/Select button : To display or select menu.
- 3. Up button : To scroll up menu items.
- 4. Down button : To scroll down menu items.
- 5. HDMI port : HDMI output terminal.
- 6. Link light : LED to indicate the connection status with the Visual transmitter.
- 7. Power light : LED to indicate the power supply condition.

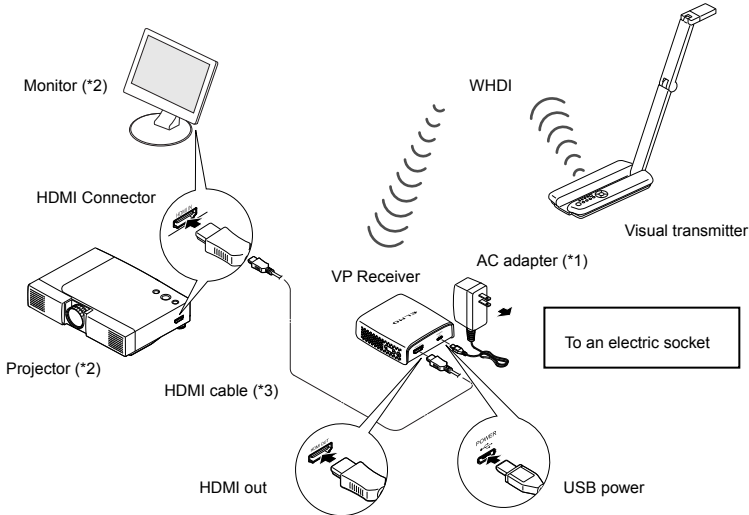


- Link light (Blue)
  - Lit : Already matching with the Visual transmitter.
  - Blink : Searching WHDI input signal.
- Power light (White)
  - Lit : Power is ON.
  - Off : Power is OFF.
  - Blink : Sleep mode.

- Please remove the protection sheet of the VP Receiver before you use.
- The Micro USB terminal of the VP Receiver is for power supply only and other USB devices cannot be connected. Use the supplied AC adapter to supply power to the VP Receiver. Do not use the bus powered USB to supply power to the VP Receiver. The power consumption of the VP Receiver is higher than the standard of the USB bus power.
- Use the Visual transmitter that supports WHDI standard.
- HDMI output of this product complies with HDMI standard.
- Because wireless connection takes a time in the low temperature environment, please use after switching it on and waiting for a while.

Connecting the VP Receiver

Connect the equipments as shown in the drawing.



- \*1 AC adapter is different according to the destination.
- \*2 Change the input mode of the image output device to HDMI.
- \*3 Use a commercially available HDMI cable (Type A).

Performing the wireless settings

Perform the wireless settings before using the VP Receiver.  
Connect the Visual transmitter that supports HDMI before performing the wireless settings.  
Display the menu by pressing the Menu/Select button. Select “Setup”, then press the Menu/Select button again.  
You can add/remove or modify the name of the Visual transmitter from the menu.

- Add the Visual transmitter
  1. Select “Setup”. Then press the Menu/Select button.
  2. Select “Add new Video Source” from the menu. Then press the Menu/Select button.
  3. The VP Receiver is now ready to receive signals from the Visual transmitter. Perform the registration from the Visual transmitter.
  4. The VP Receiver registers the Visual transmitter once the signal from the Visual transmitter is received by the VP Receiver.
  5. Select “OK” and press the Menu/Select button. Then exit the menu.

- For details about the operation of the Visual transmitter, refer to the instruction manual of the respective Visual transmitter.

- Remove the Visual transmitter
  1. Select “Setup”. Then press the Menu/Select button.
  2. Select “Remove Video Source” from the menu. Then press the Menu/Select button.
  3. Select the Visual transmitter to remove. Then exit the menu.
  4. Select “OK” and press the Menu/Select button. Then exit the menu.

- Modify the name of the Visual transmitter
  1. Select “Setup”. Then press the Menu/Select button.
  2. Select “Modify Video Source Name” from the menu. Then press the Menu/Select button.
  3. Select the registered Visual transmitter. Then press the Menu/Select button.
  4. A cursor is displayed. Select the part you want to modify. Then press the Menu/Select button.
  5. Select a letter once the color of the cursor changes.
  6. Press the Menu/Select button after selecting a letter to input.
  7. Press the Menu/Select button for long after all the letters has been input. Select “Save” to finish.

Selecting the Video Source

Display the menu by pressing the Menu/Select button.  
A list of registered Visual Transmitters appears in the menu. Select the desired Visual Transmitter.  
Press the Menu/Select button to output the image of the selected Visual Transmitter.  
When the message of “Please remove and register this ○○○ again” is shown at linking with the transmitter, please remove and add the transmitter again.

SLEEP MODE

The VP Receiver enters Sleep mode in 3 minutes after the wireless connection with the Visual transmitter is disconnected.  
To return to normal operation mode, press one of either the Menu/Select button, the Down button or the Up button of the VP Receiver after power on the Visual transmitter.  
The image appears once the wireless connection with the Visual transmitter is established.  
To open the menu while “Linking” image is in display, press the Menu/Select button for long.  
Perform the wireless settings after the menu is displayed.

TROUBLESHOOTING

If trouble occurs or you have any queries, first check this section.  
If the problem persists, check your warranty and contact the dealer where you purchased the product.

The VP Receiver does not work.	The AC adapter is disconnected. Check the connection between the AC adapter and the wall outlet.
	Is the Visual transmitter registered? Add the Visual transmitter.
	The VP Receiver is in Sleep mode. Cancel the Sleep mode according to the instruction described in “SLEEP MODE”.
	The equipment which uses the same frequency may cause radio interference. Check the surrounding radio frequency environment.
	The AC adapter is disconnected from the VP Receiver. Check the connection between the AC adapter and the VP Receiver.
No image is displayed. or The image is distorted.	HDMI cable is not connected properly. Firmly insert HDMI cable into the connector.
	The cable is damaged. Do not use a damaged cable.
	The input signal is out of the display range of the Visual transmitter. Check the resolution.
	The equipment which uses the same frequency may cause radio interference. Check the surrounding radio frequency environment.
No sound is output.	HDMI cable is not connected properly. Firmly insert HDMI cable into the connector.
	The cable is damaged. Do not use a damaged cable.
	No audio from the Visual transmitter is input. No sound is output when there is no audio input.
	The volume of the Visual transmitter or the image output device is set to minimum. Turn up the volume.

- When error message appears, follow the instruction to fix the error.
- If the problem persists, the product may be defective. Contact the dealer where you purchased the product for repair.

PRODUCT SPECIFICATIONS

Operating Temperature	0°C - 40°C (32° F – 104° F)
Wireless Band Used	5190MHz - 5795MHz
Communication Distance	Approx. 10m (32.8feet) (differs depending on the usage conditions)
Power Supply	AC adapter Input: 100V-240V, 50/60Hz(0.5A:USA/JAPAN, 0.3A:Others) Output: 5V, 2A
Standards	HDMI / WHDI standard compliance, including HDCP
Transmitter registration	8 sets
HDMI OUT (Type A)	Image output: VGA (640x480)60Hz/75Hz, SVGA (800x600)60Hz/75Hz, XGA (1024x768) 60Hz/75Hz, WXGA (1280x768) 60Hz, WXGA (1280x800) 60Hz, SXGA (1280x1024) 60Hz/75Hz 1152x864 (60Hz), 1280x960(60Hz) 480p, 576p, 720p, 1080i, 1080p
	Audio output: 192 kHz x 24 bit
Power Consumption (Current)	5.5W( 5V / 1.1A) without AC adapter (USA / Canada) 7W( 5V / 1.4A) without AC adapter (Europe / Eurasia)
External Dimensions	L83 x W80 x H31 (mm) L3 1/4" x W3 1/8" x H1 1/4"
Weight	110g (0.24lb)

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