Teacher's Choice

ELMO

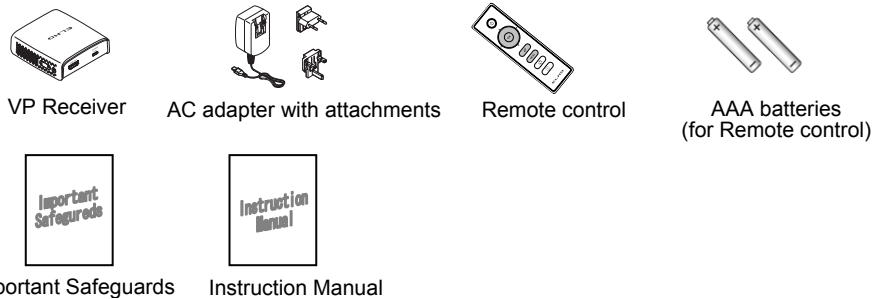# VP Receiver   VPR-2

INSTRUCTION MANUAL

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

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.
- Compatibilities with supporting models have been 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 the wireless connection takes a time in low temperature environments, please use after switching it on and waiting for a while.
- If you use the wireless system close to more than 5 pairs, it takes a little long time to connect by wireless   at interference when power is on.
- The 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

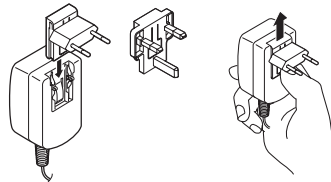Contact your dealer if any of the following items are not included in the package.

VP Receiver | AC adapter with attachments | Remote control | AAA batteries (for Remote control)

Important Safeguards | Instruction Manual

⚠ **Caution**
· The Supplied AC attachment is for your country.
· When using the product, connect the AC attachment to the AC adapter.

Assembling/ disassembling procedure for the AC adapter

Assemble or disassemble the AC adapter and the AC attachment by taking the following procedure.
Make sure to unplug the cable from the mains power before starting the assembling/ disassembling work..

■ Assembling
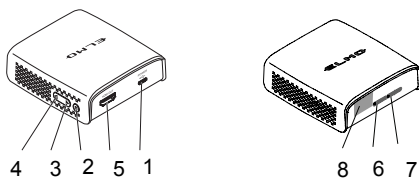Slide the AC attachment along the groove of the AC adapter until you hear a "click".

■ Disassembling
Press the centre of the AC attachment and slide it along the groove to remove.

⚠ **Caution**
*1 Use an appropriate AC attachment for your region.

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.
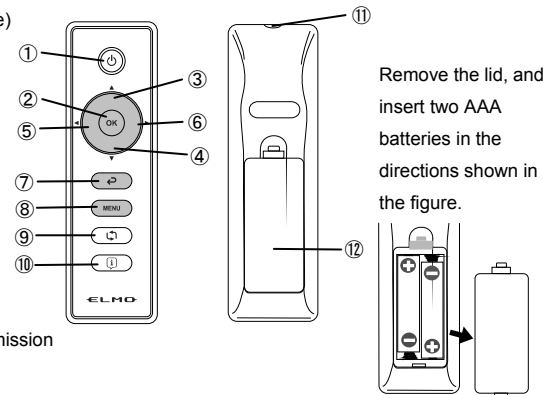8. Remote control sensor

4 3 2 5 1   8 6 7

■Link light (Blue)
· Lit : Already matching with the visual transmitter.
· Blink : Searching for WHDI input signal

■Power light (White)
· Lit : Power is ON.
· Off : Power is OFF.
· Blink : Standby mode

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⚠ **Caution**
·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 the wireless connection takes a time in the low temperature environments, please use after switching it on and waiting for a while.
·When installing this unit please ensure there are no obstacles between the remote control and infrared receiver.

Remote Control

①Power button : Turn the power ON/OFF(Standby mode)
②OK button : Choose the OSD item
③Up button : Move the cursor up
④Down button : Move the cursor down
⑤Left button : Move the cursor left
⑥Right button : Move the cursor right
⑦Cancel button : Go back in the menu
⑧Menu button : Show the menu on screen
⑨Input button : Select registered video source
⑩Info button : Display the current link information
⑪Part of the infrared signal transmission: infrared transmission
⑫Battery container : install batteries. (TYPE AAA × 2)

Remove the lid, and insert two AAA batteries in the directions shown in the figure.

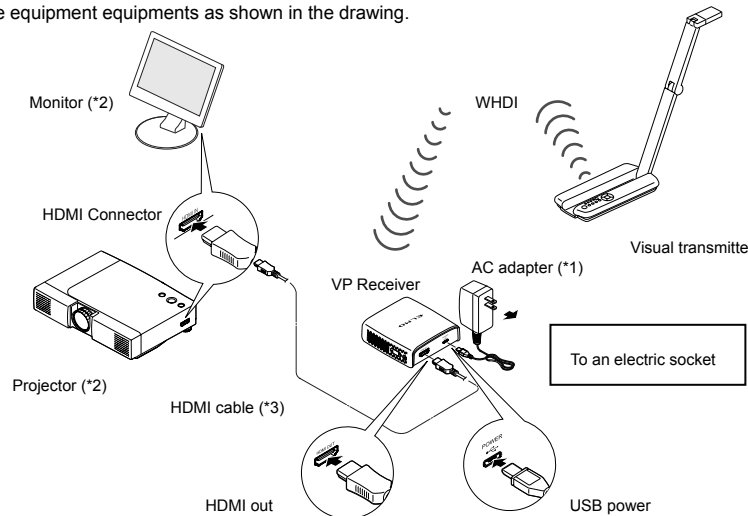⚠ **Caution**
·When inserting the batteries, please slide the edge of the negative pole of the battery on the bottom of the battery box to contact the head of the spring terminal and the negative pole of the battery. If you put the battery on top of the spring, there is a danger that short circuiting may occur or the crushed spring could break the battery casing.

✕ Do not put the battery on top of the spring   ○ Always slide the battery towards the spring

⚠ **Caution**
·On the back of the remote control lift and pull the battery lid in the direction shown. Remove the lid and insert the two AAA batteries.
·If this product is not going to be used for a long time, take the batteries out of the remote control.
·Do not use rechargeable batteries (e.g., Ni-Cd (NiCad batteries)).
·Do not use new and old batteries or batteries of different types together.
·Do not try to recharge or short-circuit the batteries.
·When disposing of used batteries, follow the instructions of your local government.
·Insert from one side and pay particular attention to the polarity (+/-directions).
·Be sure to use AAA batteries.
·If any liquid from a battery leaks onto your skin or clothes flush the area with clean water immediately. If it gets into your eye, flush immediately with clean water and contact a doctor.
·The receivable range may be reduced when the main unit is placed in direct sunlight, near an inverter fluorescent light or in any other unfavourable conditions. Depending on the light source conditions, the sensor may fail to receive any infrared light. In such cases, relocate the main unit or shield the light source.

⚠ **Caution**
Children may ingest small batteries. Always keep batteries safe and out of reach.
If a battery is swallowed, consult a doctor immediately as this could result in asphyxiation or be an obstacle to digestion, etc.

Connecting the VP Receiver

Connect the equipment equipments as shown in the drawing.

Monitor (*2) | WHDI | Visual transmitter
HDMI Connector | VP Receiver | AC adapter (*1) | To an electric socket
Projector (*2) | HDMI cable (*3) | HDMI out | USB power

⚠ **Caution**
*1 The 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).
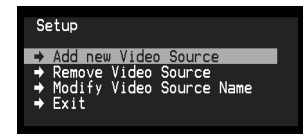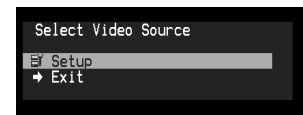
Turning the power ON/OFF

Press the power button on the remote control to turn the power on. To turn the power off, press the power button on the remote control once (standby mode).
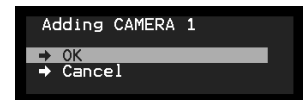
Configuring the wireless settings

Configure the wireless settings before using the VP receiver.
Before setting the wireless communication, please connect   the VP receiver and standard HDMI display ,then turn on the VP receiver and the document camera (MO-1w) manufactured by ELMO.
To display the menu screen, push the Menu/Select button on the main unit or the menu button on the remote control, then select "Setup" and push the Menu/Select button on the main unit or the OK button on the remote control.
You can add/remove or modify the name of the visual transmitter from the menu.

●Add ELMO's document camera (MO-1w)   (pairing)
1. Set VP receiver in the add (pairing) mode.
Move the cursor to "Setup" with the Up or Down buttons and push the Menu/Select button on the main unit or the OK button on the remote control.

Move the cursor to "Add new Video Source" and push the Menu/Select button on the main unit or the OK button on the remote control to enter receive mode.

2. Press and hold the pairing button (Located on the side of the MO-1w) on the document camera until appearing   "Adding ○ ○ ○(the name of the video transmitter)" appears on the screen.
※ About 5 seconds. It may vary depending on the situation.

Select Video Source
Setup
→ Exit

Setup
→ Add new Video Source
→ Remove Video Source
→ Modify Video Source Name
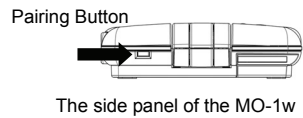→ Exit

Adding CAMERA 1
→ OK
→ Cancel

3. Move the cursor to "OK" on the screen and push the Menu/Select button
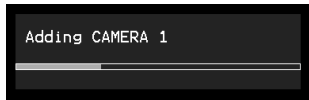on the main unit or the OK button on the remote control.
Pairing will start. The image of the documemt camera displays automatically
when pairing finishes.
If the pairing stops please turn the power of VP receiver power off
and the document camera, and restart pairing.

4. If you wish to register more than 1 document camera, repeat form step 1.
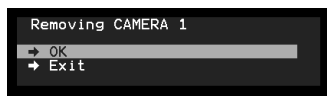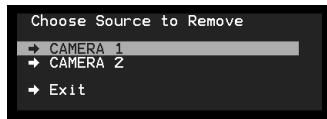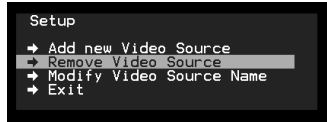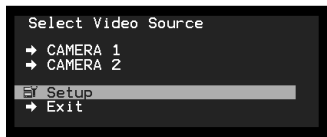(Up to eight document cameras can be paired).

Pairing Button

The side panel of the MO-1w

```
Adding CAMERA 1
```

⚠ **Caution** · For details about the operation of the Visual transmitter, refer to the instruction manual of the respective
Visual transmitter.
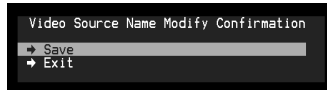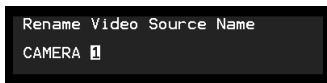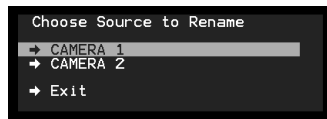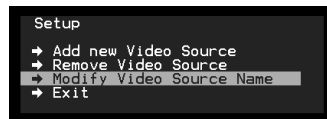
■Remove the visual transmitter
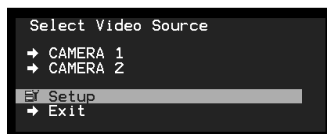1. Select "Setup". Then press the Menu/Select button
on the main unit or the OK button on the remote control.

```
Select Video Source
➜ CAMERA 1
➜ CAMERA 2
☑ Setup
➜ Exit
```

2. Select "Remove Video Source" from the menu. Then press the Menu/Select
button of the main unit or the OK button of the remote control.

```
Setup
➜ Add new Video Source
➜ Remove Video Source
➜ Modify Video Source Name
➜ Exit
```

3. Select the name of Visual transmitter to remove. Then press the Menu/Select
button of the main unit   or the OK button of the remote control.

```
Choose Source to Remove
➜ CAMERA 1
➜ CAMERA 2
➜ Exit
```

4. Select "OK" and press the Menu/Select button
or the OK button of the remote control.

```
Removing CAMERA 1
➜ OK
➜ Exit
```

5. The confirmation of "Removing ○ ○ ○(Name of the transmitter) " appears,
then select OK and press the Menu/Select button
on the main unit or the OK button on remote control.

■Modify the name of the visual transmitter
1. Select "Setup". Then press the Menu/Select button.

```
Select Video Source
➜ CAMERA 1
➜ CAMERA 2
☑ Setup
➜ Exit
```

2. Select "Modify Video Source Name" from the menu.
Then press the Menu/Select button on the main unit
or the OK button on the remote control.

```
Setup
➜ Add new Video Source
➜ Remove Video Source
➜ Modify Video Source Name
➜ Exit
```

3. Select the registered visual transmitter. Then press the Menu/Select
button on the main unit or the OK button on the remote control.

```
Choose Source to Rename
➜ CAMERA 1
➜ CAMERA 2
➜ Exit
```

4. (Using the main unit) Use the Up or Down buttons to move the cursor
left and right to the character you want to change. Press the Menu/Select
button and cursor will change colour to confirm selection. Now use
the up and down buttons to move to the new character you want to replace
the old one with and press the Menu/Select button to confirm.

(Using the remote control) This is the same procedure as the main unit,
but use the remote control left or right button to move the cursor,
the up or down buttons to change the character
and press the OK button to confirm.

```
Rename Video Source Name
CAMERA 1
```

5. Once completed press and hold the Menu/Select button on the main unit
or press the OK button on the remote control. Then select "Save"
and press the Menu/Select button on the main unit or the OK button
on the remote control.

```
Video Source Name Modify Confirmation
➜ Save
➜ Exit
```
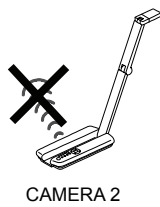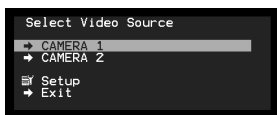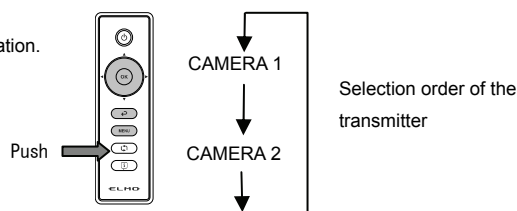
Selecting the Video Source

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.

```
Select Video Source
➜ CAMERA 1
➜ CAMERA 2
☑ Setup
➜ Exit
```

VP Receiver   CAMERA 1   CAMERA 2

In addition, by pressing the Input button on the remote control
you can output video by selecting the video transmitter registration.

CAMERA 1
↓
CAMERA 2

Push

Selection order of the
transmitter

When the message of "Please remove and register this ○○○ again" is shown while linking with the transmitter, please
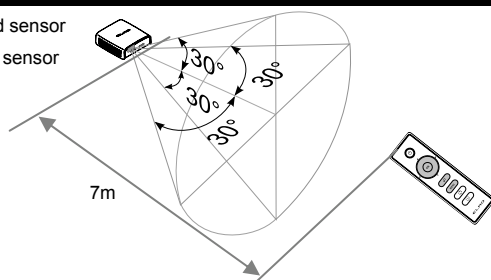remove and add the transmitter again.

Info Menu

Push the Info button on the remote control, to display the current link status.
The registered name of the video transmitter and signal strength
of the video is displayed on the transmitter.

✔ Connected to CAMERA 1 ▂▃▄

Name of the video transmitter   Signal strength
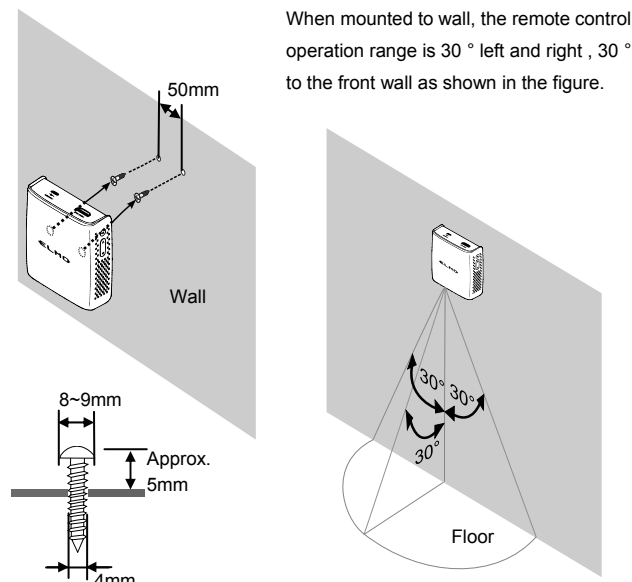
Receivable range

Distance: Within approx. 7m from the front of the infrared sensor
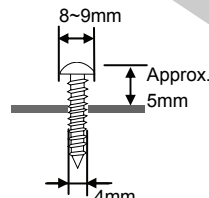Angle: Within 30° up, down, left, and right of the infrared sensor

7m

How to wall mount this unit

If you install on a wall as shown below, please install with standard screws (not supplied).

Please attach the screws to the wall.
When attached to the wall of the hollow
wall material such as gypsum board,
please use the plug anchor
corresponding to each of the wall
material.
The distance between screw and screw
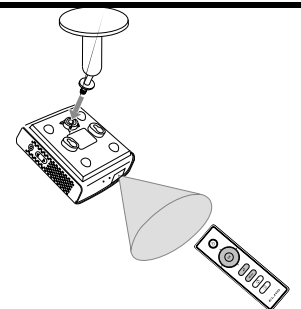is 50mm.
Then hook the screw hole on the unit.

50mm

Wall

When mounted to wall, the remote control
operation range is 30 ° left and right , 30 °
to the front wall as shown in the figure.

30° 30°
30°
Floor

Wall Mount screws are not included.
Please use the screws as shown below.
The screw head should be about 5mm
from wall.

8~9mm
Approx.
5mm
4mm

How to ceiling mount this unit

If you install on a ceiling, please connect the tripod screw holes
on the bottom of this unit to a ceiling mount bracket (not supplied).
At this time, to allow remote control operation
from a predetermined position,
please install with the infrared receiver of the main unit facing
towards the remote control.

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.
	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. (Replace the cable)
	The input signal is out of the display range of the visual transmitter. Check the resolution.
	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.

⚠ **Caution** ·When error messages appear, follow the instructions 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℃ - 40℃ (32° F – 104° F)
Wireless Band Used	5190MHz - 5670MHz
Communication Distance	Approx. 10m (32.8feet) (differs depending on the usage conditions)
Power Supply	AC adapter Input: 100V-240V, 50/60Hz(0.3A) 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)	7W(5V / 1.4A) without AC adapter
External Dimensions	L83 x W80 x H31 (mm) L3 1/4" x W3 1/8" x H1 1/4"
Weight	110g (0.24lb)

VPR-2(E2)_M R0-Xex