

Contents

Quick Start

1. Checking the components
2. Names of each part
3. Button functions
4. How to charge the product
5. How to use the product
 - 1) Connecting to a smartphone (MHL connection)
 - 2) Connecting to a notebook (HDMI connection)
 - 3) Multi-connecting to a smartphone and HDMI-supported video device
6. Projection range and screen size (ideal screen provision range mark)
7. How to use clip holders
8. Specifications and properties
9. If the product does not work normally
10. Precautions for safety

Quick Start Recharge

1. Recharging

1) Recharging with an adaptor



※ Recommends using an adaptor with 2A or more.

2) Recharging with a PC (USB port)



※ When recharging with a USB port, the recharging time gets longer than the standard time.

1

2

Quick Start

How to connect with a smartphone

2. How to use

1) Connecting to a smartphone (MHL connection)



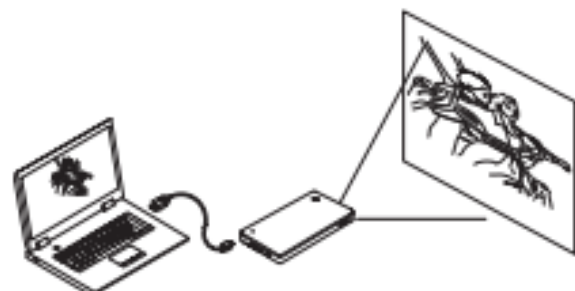
- ※ After pressing the product's power button more than 5 seconds to turn on the power, connect the supplied 5-pin MHL cable with a smartphone (in the case of i-phone, purchase a separate gender). (Pico Projector's MHL port + smartphone's MHL port).
- ※ When there is no input signal for 3 minutes or more, the power would automatically turn off.

3

Quick Start

How to connect with a notebook

2) Connecting to a notebook (HDMI connection)

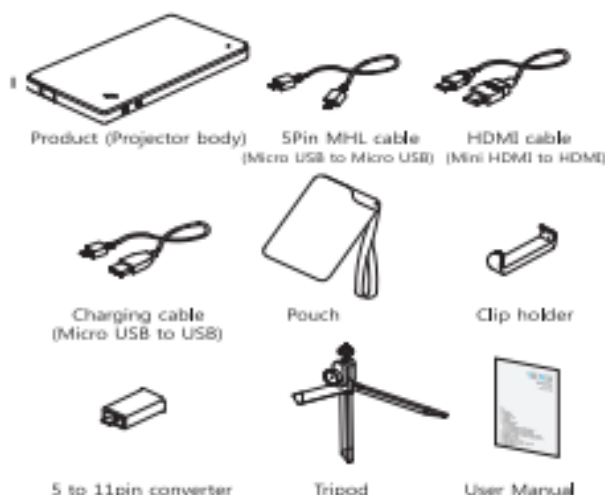


- ※ After pressing the product's power button more than 5 seconds to turn on the power, connect the supplied HDMI cable with a notebook. (Pico Projector's Mini HDMI port + notebook's HDMI port).
- ※ When connecting a smartphone or notebook, press the power button to change the mode. (See page 6).

4

Figures in this user manual may be a little different from the actual product, and they are subject to change without notice for improving performance.

1. Checking the components

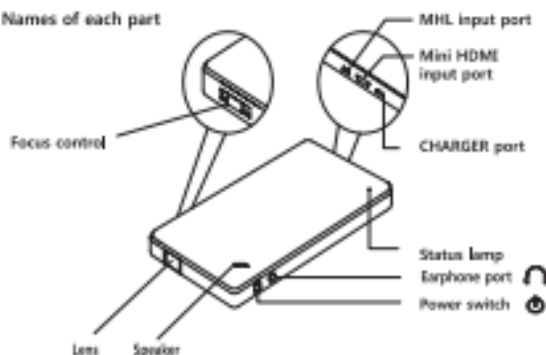


ⓘ Notice

- Some items may be changed according to the circumstances.
- Chargers, converters for I-phone, slim ports for LG G-PRO, and converters for Galaxy Tab etc. are sold separately, so purchase through online or specialty stores.

5

2. Names of each part



3. Button functions

FOCUS		You can push the button to the left or right to control its focus.
POWER		You can press the button for 5 seconds to turn the device's power on/off, and press it in short (within 1 second) to change the mode.

※ OSD menu (OSD menu works only when MHL or HDMI signals are entered.)

1) VOLUME Select	When pressing the power button for 1 second, OSD menu is appeared, and when again waiting for 3 seconds after pressing the power button in short to select VOLUME, the volume control OSD is appeared. In this condition, you can press the button in short within 1 second to control the volume between 0- to 5-step. If there is no button operation for 3 seconds after controlling the volume, it will terminate automatically. When turning the power on/off, VOLUME will be set to the default step 3 by default.
2) SOURCE Change (In the case of multi-connection)	When pressing the power button for 1 second, OSD menu is appeared, and when waiting for 3 seconds after pressing the power button in short to select SOURCE, the video input mode will be changed.

6

4. How to charge the product

- 1) Connect the product to the power as the figure below.
 - When charging, the indicator lamp changes to red.

ⓘ Directions

- If not charging, disconnect the charger and reconnect it.



- 2) When the charging is completed, the indicator lamp flickers in green. Disconnect the charger from the product.

ⓘ Notice – Product charging and its standard use time

Connection method	When using as a projector
Use time	About 150 minutes
Charging time	About 3-4 hours (based on power-off)

- The charging time and its use time are different depending on the charging condition and service environment.
- The battery is consumable, so its use time is getting shorter. When its use time is remarkably shorter than when purchasing, visit our A/S center to replace it.
- If using the beam project during charging, the minimum power is supplied for its operation, so it may take a long time enough to charge the battery. Stop using and use it after charging.
- When the battery is flat, the orange indicator lamp would be turned on. Charge the product.
- When using the beam projector under the condition of connecting to a charger, the indicator lamp turns green.

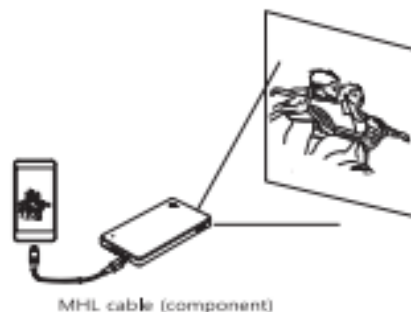
7

5. How to use the product

ⓘ Directions

- It may not be compatible or connected intermittently depending on the operating system version of a smartphone. Reconnect the cable.
- When not using the projector function, turn the power off. A lot of current is consumed.
- When using the projector and charging at the same time, the temperature of its surface might be increased.
- If slantingly projecting a video on the screen or using a certain lens, the screen may be distorted.

1) Connecting to a smartphone (MHL connection)



- ① Press the power switch for 5 seconds to turn the power on.
 - ② Connect 5-pin MHL cable to the product, and connect it with a smartphone.
 - ③ Adjust the distance between the product and a screen to fit the size of image projected.
 - ④ Move the focus control switch to the left or right to adjust the focus and definition of screen.
- ⓘ If there is no input signal for 3 minutes or more, the power would automatically turn off.

8

※ Directions

- Images projected from the projector are displayed in the same direction as the screen of smartphone connected, and if the smartphone is widthwise, it is projected to full screen. It may be different depending on the smartphone.
- If a message is received or a notice window related to smartphone's batteries (charging, battery low) is displayed while playing a multimedia file with a smartphone, the smartphone's screen is projected as it is.
- The sound level of video can be controlled by smartphones (I-phone not supported) or video devices, and it can be controlled between level 0 to 5. (However, the sound level is not stored when the power is turned off. NORMA Level 3)
- If the smartphone to be connected has 5 pins, insert the supplied 5-pin MHL cable to use.
- If the smartphone to be connected has 11 pins, insert the 5 to 11 pin converting gender, which is supplied as a component, into the 5-pin MHL cable as the figure below, and connect the smartphone with the product. (For other products, see the figure.)



Galaxy S3, S4, S5, Galaxy Note 2, 3



Galaxy Tab 7.7, 8.9, 10.1 (selling separately)



I-phone 4, 4S, I-pad 2, 3 (selling separately)



I-phone 5, 5S, I-pad 4, 5, I-pad mini (selling separately)



Optimus G Pro, G2 (selling separately)

9

3) Multi-connecting to a smartphone and HDMI-supported video device



- Press the power switch for 5 seconds to turn the power on.
 - Connect with a smartphone by using a 5-pin MHL cable.
 - Use a HDMI cable to connect with a notebook.
 - Use the source change mode to change between MHL and HDMI modes (refer to page 6).
 - Adjust the distance between the product and a screen to fit the size of images projected.
 - Move the focus control switch to the left or right to adjust the focus and definition of screen.
- ※ If there is no input signal for 3 minutes or more, the power would automatically turn off.

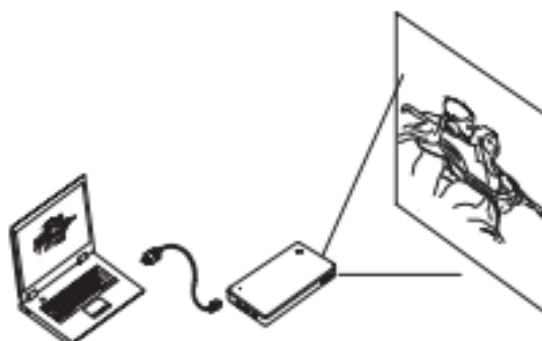
6. Projection range and screen size (ideal screen provision range)

Users can directly set the size of the projected screen by adjusting the distance between the product and a screen.

Projection distance (cm)	Screen size (cm)	Remark
40	22.15 x 12.46 (10inch)	
50	33.26 x 18.71 (15inch)	
70	44.19 x 24.85 (20inch)	
100	66.45 x 37.38 (30inch)	
130	88.49 x 49.77 (40inch)	
160	110.7 x 62.27 (50inch)	Optimum projection distance
over 200	132.9 x 74.76 (60inch)	

11

2) Connecting to a notebook (HDMI connection)



- Press the power switch for 5 seconds to turn the power on.
 - Connect a notebook with the product by using a HDMI cable. Select the control panel or resolution setting screen mode of the notebook as duplicate or dual (recommendation: dual mode).
 - Adjust the distance between the product and a screen to fit the size of image projected.
 - Move the focus control switch to the left or right to adjust the focus and definition of screen.
- ※ If there is no input signal for 3 minutes or more, the power would automatically turn off.

※ Directions

- The sound path setting can be controlled by the notebook, and it can also be controlled by the projector.
- When connecting the product with a smartphone and notebook at the same time, refer to the source change menu on page 6.

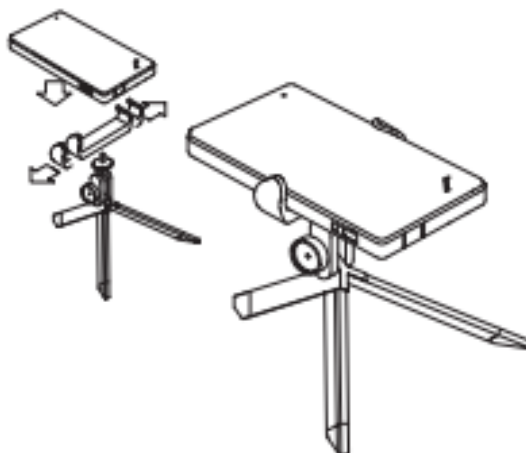
10

※ Directions

- Because the screen is not seen clearly in a bright place, it is recommended to use in the dark.
- As the projection distance increases, the screen is blurred, and if it is more than 152.2 cm, it may not be clear.

7. How to use clip holders

The product can be fixed on a tripod to use. If the product is fixed on a tripod by using a clip holder supplied for fixing it, you can comfortably enjoy because the projected images do not shake.



- After combining a clip holder with the projector as the figure, put the mating screw on the top of tripod into the connecting part. Tighten the screw clockwise to the end.
- When the tripod is completely fixed with the product, use it after spreading the tripod's legs to keep its balance.

12

8. Specifications and properties of the product

Device's name	Pico Projector
Applicable interfaces	MHL / HDMI
Exterior	73(W) x 128(L) x 12(H)
Weight	165g
Optical module	LCOS
Screen resolution	960 x 540 (qHD)
Brightness	20 Lumens (Max. 20 +α Lumens)

9. If the product does not work normally

Check whether the cable is properly connected, and after turning the power off, reboot the product to use.

10. Precautions for safety

Because the following is for keeping users safe and preventing the loss of property, be sure to read it and use the product correctly.

Do not touch the product or the power plug with a wet hand.

- You can get an electric shock.

Be careful when charging.

- Do not give a shock or drill with a sharp thing.
- Do not place it at where temperature is high like a sauna or do not heat it.
- Do not get water or sink under water.
- Do not make the charging terminal touch metal materials.

Be careful to use if there is much heat from the product.

- If your skin is in contact with the product for a long time under the heated condition, it may cause a low temperature burn such as a red spot and pigmentation, so be careful to use.
- When using for a long time at a place where ambient temperature is high, the product's temperature rises at the same time, so be careful.

Do not place the product near heating devices (heater, microwave range and gas stove etc.) or do not put into.

- Do not store it at high temperature such as under direct sunlight and inside a hot vehicle.

Do not drop the product or give a shock.

Be careful that a child, baby or pet does not suck or bite the product.

- When children use the product, instruct how to handle and use it properly, and check whether they use correctly.

Always use it at a clean place and store at a dry place with no water or moisture.

- If dusty, it may become the cause of product's failures.

- Moisture or liquid may damage the components and circuits.

If using the product for a long time, you may have symptoms such as seizure and fainting, so stop using immediately if you feel physical disorder while using.

Be sure to use authorized VIEWAY service centers for repairing.

- It cannot be repaired for free if users arbitrarily modify, disassemble or repair.



Do not directly look at the lamp while the projector is operating. The rays emitted from the product may harm to your eyes.



When using the projector for a long time, be careful because the heat emitted from the product may be hot.

MEMO

[illegible]

MEMO

[illegible]