



VisionShare AD Series

Wireless Collaboration System

User Manual



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Disclaimers

NorthVision Corporation makes no representations or warranties, either expressed or implied, with respect to the contents hereof and specifically disclaims any warranties, merchantability or fitness for any particular purpose.

Further, NorthVision Corporation reserves the right to revise this publication and to make changes from time to time in the contents hereof without obligation of NorthVision Corporation to notify any person of such revision or changes.

This user manual aims to provide the most updated and accurate information to customers, and thus all contents may be modified from time to time without prior notice. Please visit www.northvision.com for the latest version of this manual.

The illustrations, contents and the images in this guide are for your reference only and subject to change without prior notice.

Warranty

NorthVision warrants the equipment it manufactures to be free from defects in material and workmanship. The procedures presented in this document apply to all NorthVision's VisionShare Series products. All NorthVision brand products purchased by Distributor will receive a three (3) years parts and labor warranty, except for VisionShare transmitters, and all accessories, which hold a one (1) year parts and labor warranty.

The warranties stated above shall be effective upon delivery and remain in effect in accordance with NorthVision's then-current policy.

Warranty does not include: (i) Products have been improperly installed, altered or otherwise modified. (ii) Products have been subjected to misuse, abuse, negligence, accident or natural disasters. (iii) Products have been used in a manner contrary to specification.

DOA (Dead on Arrival): The DOA period is 60 days after shipment to an end user. Products that cannot be turned on or cannot display and after testing will be considered DOA. After the DOA product has been tested, please return to the distributor with an RMA number and a replacement will be sent. Products returned that are functioning properly, will be returned to the end user, and the cost of returning the product with normal functions will be borne by the customer. Products returned by DOA should be kept in their original packaging and the accessories must be complete. Otherwise, the products will be considered as RMA (Return as received).

RMA (Returned Material Authorization): Products that fail more than 60 days from the date of shipment but within the warranty period three (3) years require an RMA. During the warranty period, RMA parts and labor costs are included. The customer is responsible for the return of RMA products to the distributor/ NorthVision. Distributor will be responsible for both the shipping method and shipping costs of RMA products (in the warranty period) for the return. Product determined to be improperly used or damaged by the customer, will incur a maintenance and parts fee.

Shipping costs for returning out-of-warranty products is at the customer's expense.

The information in this manual has been carefully checked and is believed to be accurate. However, NorthVision assumes no responsibility for any inaccuracies that may be contained in this manual. In no event will NorthVision be liable for direct, indirect, special, incidental, or consequential damages resulting from any defect or omission in this manual, even if advised of the possibility of such damages. The technical information contained herein regarding the features and specifications are subject to change without notice.

Safety Notifications

- Read the instruction manual carefully before use and save it.
- Use only parts or accessories, (especially power adapters), recommended by the manufacturer. Unapproved parts may be hazardous and cause injuries to the product or users, and will void the warranty.

WARNING:

**IF ANY FUNCTIONAL PROBLEMS OR DEFECTS OCCUR WHICH ARE
ATTRIBUTABLE TO
IMPROPER USE OF THE PRODUCT SHALL
VOID THE WARRANTY.**

- Refer servicing to qualified personnel only.
- Do not attempt to repair or disassemble the product on your own. Opening or removing cover can expose you to dangerous voltage or other hazards.
- Before plugging the power cord into the AC inlet of the power supply unit, make sure that the voltage applied to the power outlet is within the specified range (100V~240V).
Improper power source voltage range will cause damage to the power supply unit or connected products.
- Power off the product and remove the power adapter while cleaning the product.
- Before powering on the product, make sure all the connectors, cables are firmly installed.
- Don't immerse the battery in water and seawater. Please put it in cool and dry environment if no using.
- Do not use or leave the battery at very high temperature conditions

(for example, strong direct sunlight or a vehicle in extremely hot conditions). Otherwise, it can overheat or fire or its performance will be degenerated and its service life will be decreased. It is recommended that you use the battery within the ambient temperatures range of 15-30 degrees.

- **First Time Battery Charge:**

Charge the transmitters for six (6) hours before first-time use.

Important Safety Notifications

- Do not expose the product to liquids or moisture, such as a bathtub, a washbowl, a kitchen sink, a laundry tub, and a swimming pool.
- Do not expose the product, including the devices and accessories, under direct sunlight, and keep it away from any heat source.
- Do not bend the cables of the devices, or place them to the unstable locations.

Always install and operate the devices in flat and secure location.

- Do not place the product on an unstable location, stand or table. If the machine falls, it may injure a person or cause serious damage to the appliance.
- Do not allow anything to rest on the power cord.
Do not locate the product where people may walk on the cord.
- Do not make the power outlet and extension cords overload.
Overload can result in fire or electric shock.
- If any of the following situations occurs, unplug the product from the power outlet immediately and consult with a qualified service person:
 1. The power cord or plug is damaged or frayed.
 2. Liquid is spilled on the product.
 3. The product is dropped or damaged.
- Use a soft cloth to clean the product when it is dirty. In case of stubborn dirt, use a mild detergent and wipe the product gently.
Always turn off and unplug the product before cleaning.
- Please clean and store the products and accessories with care, when the product is not use.

VisionShare Features:

Wireless Collaboration Solution

Perfect combination with large format display



HDMI Plug & PLAY
Compatible with all HDMI connectivity. Intuitive True Plug & Play



Near Zero Latency
Cable-like experience by instant transmission < 0.1 ms



No WiFi Interference
Free from 2.4GHz and 5GHz WiFi signal interference.



4K Video Quality
High performance of 4K video quality without compression loss.

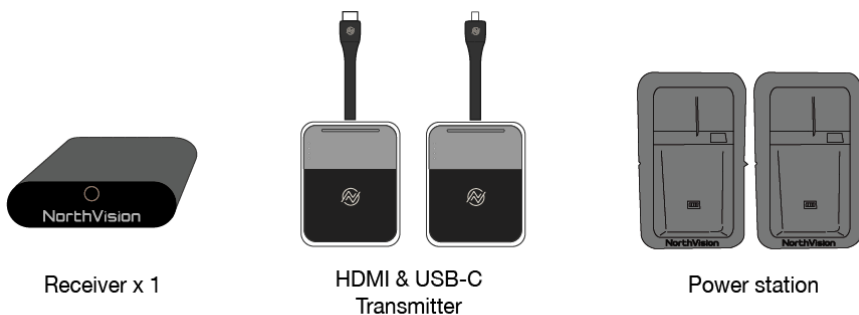


Easy Installation
Simple HDMI connectivity. Intuitive set up without software installation.

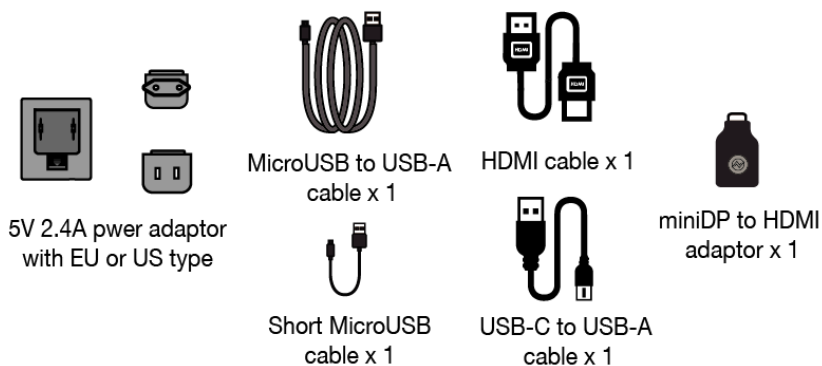


Power Embedded
Solves power and cabling issues.

What is in the package?

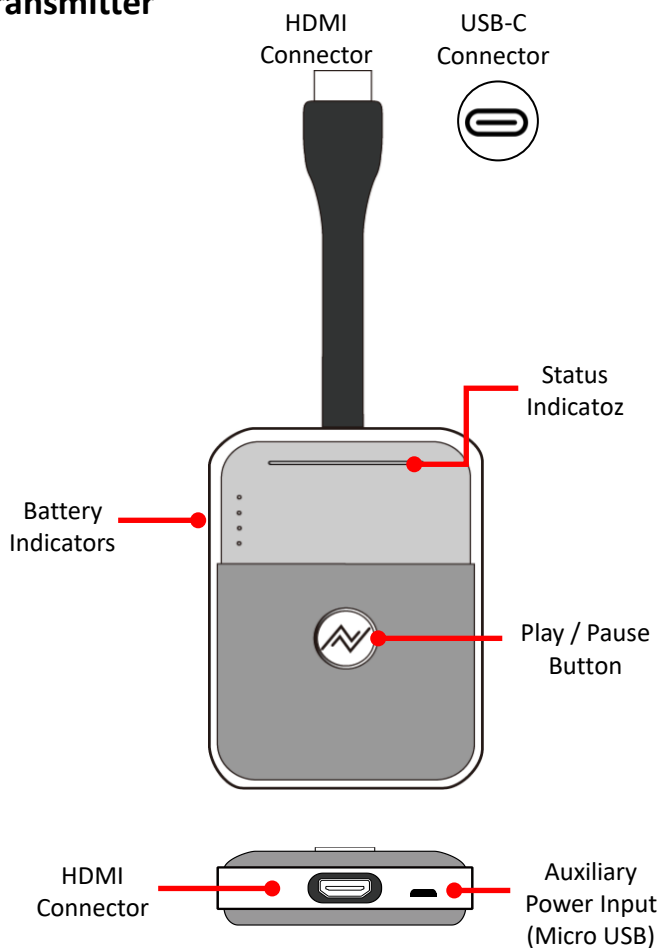


Transmitter and power station quantity will modify depends on the model



A. Product Description

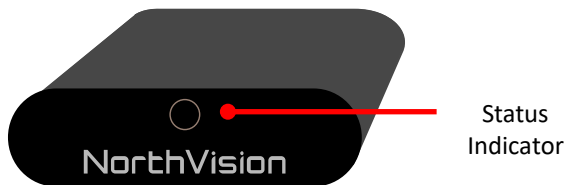
1. Transmitter



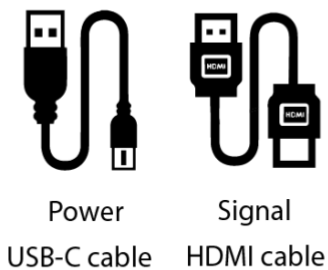
- **First Time Battery Charge:**
Charge the transmitters for **six (6) hours** before first-time use.
- **Auxiliary Power Input:**
Use the supplied Micro USB cable to obtain power from laptop or PC.
Please refer to **Auxiliary Power Input**.

2. Receiver

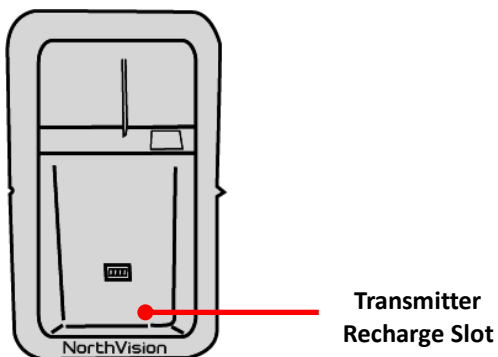
Front View



Display or TV



3. Power Station (PS10)



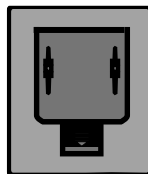
4. Power adaptor for PS10



US Plug adaptor



EU Plug adaptor



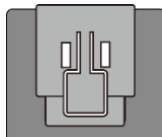
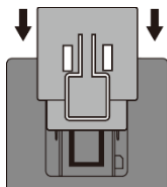
Power adaptor



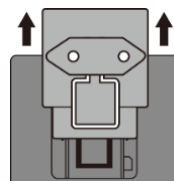
USB-A to MicroUSB cable

◆ Change the Plug Adaptor

Install adaptor



Detach adaptor



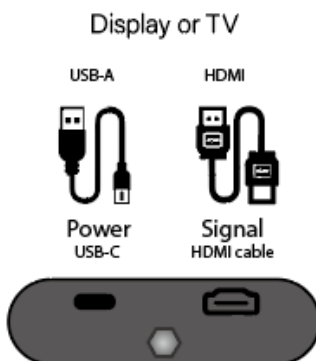
B. Establish Your Collaboration System

1. Connect the Receiver

- 1.1 Connect USB-C to the receiver and USB-A to Display USB port
- 1.2 Connect the HDMI cable to the Receiver and display device.

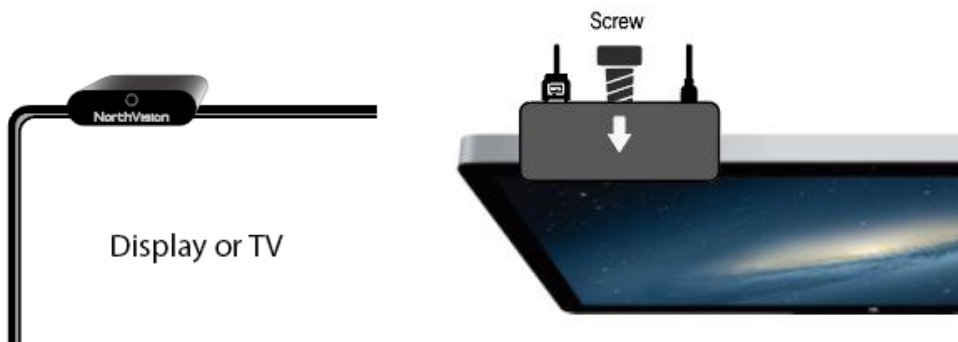
<Receiver>

Step 1: Connect the receiver to display



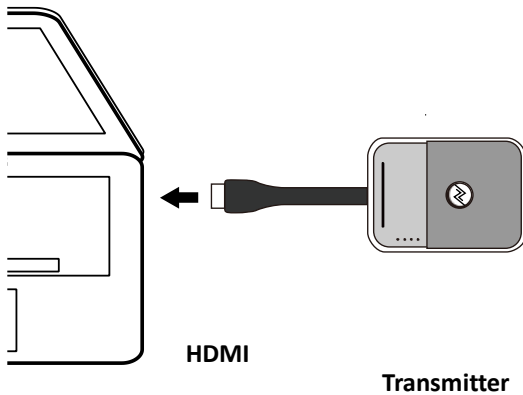
Step 2: Place the receiver on top of display

Step 3: Screw and lock into the right position

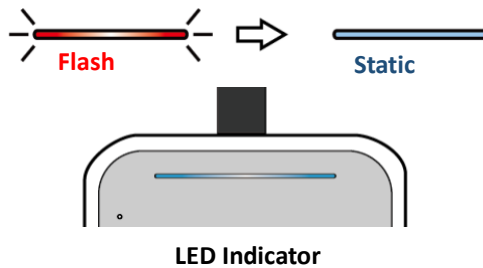


2. Connect the Transmitter

Connect the Transmitter to the laptop or PC.

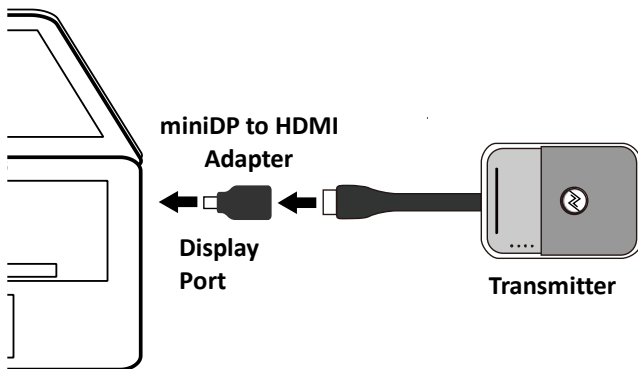


The Transmitter flashes RED and then turns BLUE to search for the Receiver.



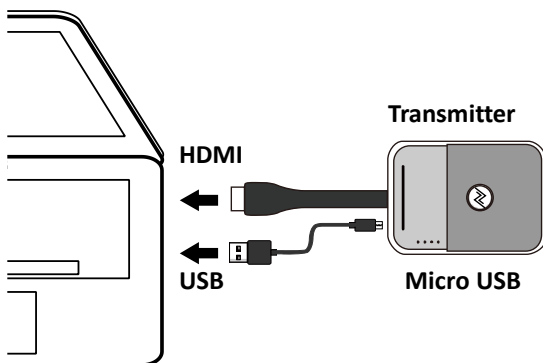
2.1 Display Port Adapter

You can use the HDMI to Display Port (DP) adapter and connect to the display port. Other adapters and dongles may be used but NorthVision is unable to guarantee their performance.



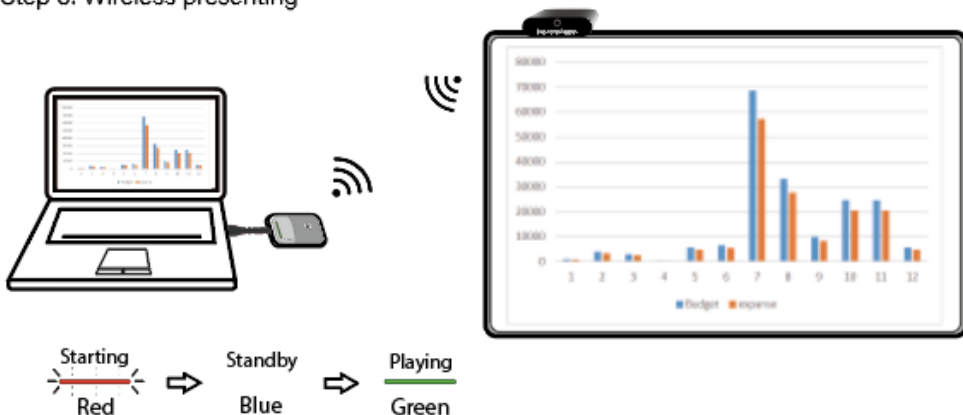
2.2 Auxiliary Power Input

You can use the supplied micro USB cable to obtain power for presentation and battery-charging.



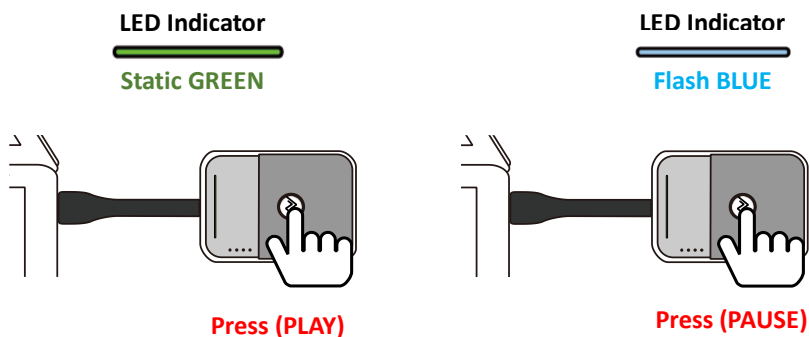
3. Start Your Presentation

Step 5: Wireless presenting

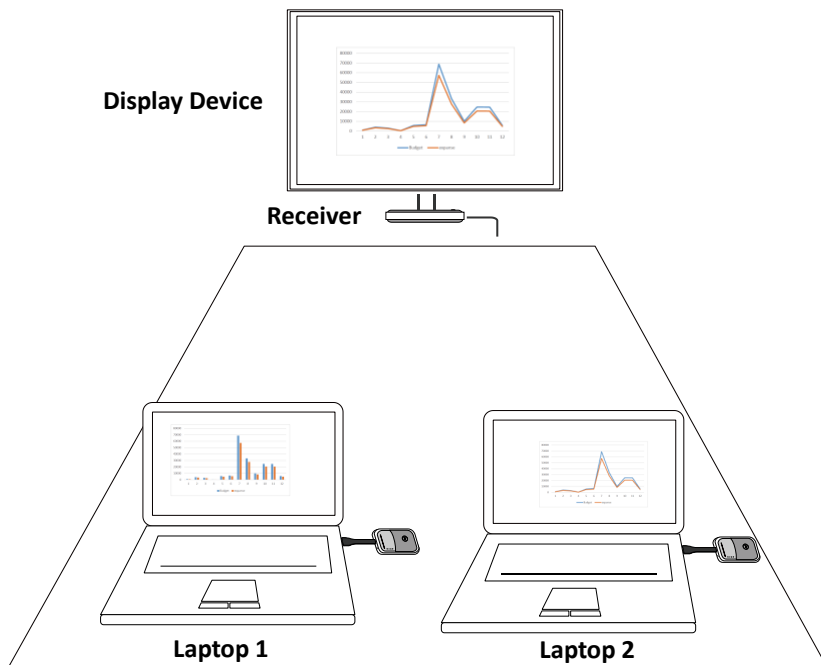


3.1 Start & Pause the Presentation

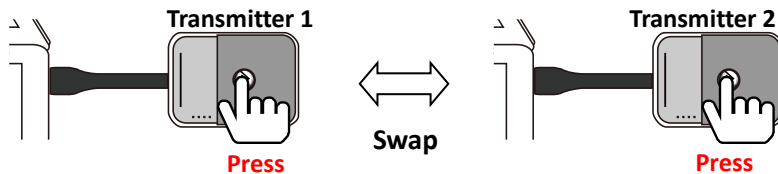
Press the PLAY button of the transmitter to start the presentation. The status LED indicator of Receiver and Transmitter show static GREEN while the presentation is in progress.



3.2 Switching Your Presentation Sources









Press the PLAY button of Transmitter 1 or Transmitter 2 to switch the presentation sources (laptop 1 or laptop 2). Handshaking takes a few seconds, and then the displayed image will switch.



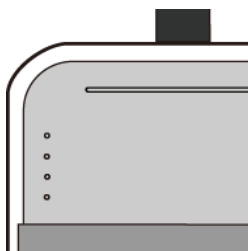
4. Indicator Lights Description

Transmitter

| Status | LED Indicator | Description |
|---------------------------------|--|---|
| OFF |  | The Transmitter is not connected. |
| Auto-Pairing |  Flashing RED | The Transmitter is connected and then auto-pairing to the Receiver. |
| Auto-Pairing Success & Stand By |  Static BLUE | The connection between Transmitter and the Receiver is established. The Transmitter is ready for presentation. Press the PLAY/PAUSE button to start presentation. |
| Presentation |  Static GREEN | Presentation is proceeding. Press the PLAY/PAUSE button to pause presentation. |
| Pause |  Static BLUE | Presentation is paused. No content sent to the display device. Press the PLAY/PAUSE button again to resume presentation. |
| ERROR |  Flashing RED | The Transmitter is in error or is not functioning properly. |

Transmitter - Battery Status Indicator

**Battery
Status
Indicators**



| Battery Status Indicators | Description |
|---|--|
| <p>○</p> <p>○ ○</p> <p>○ ○ ○</p> <p>○ ○ ○ ○</p> <p>100% 75% 50% 25%</p> | <p>The four LED indicators indicate the battery capacity of the Transmitter:</p> <p>Four LED: fully charged (100%).</p> <p>Three LED: the battery capacity is about 75%.</p> <p>Two LED: the battery capacity is about 50%.</p> <p>One LED (LOW BATTERY): the battery capacity is about 25 % and needs charging immediately.</p> |




TIP: Check the Battery Capacity

- When the transmitter is not connected, press the **PLAY/PAUSE** button to check the battery capacity.
- When the transmitter or the micro USB connector for battery-charge is connected, the battery indicators light automatically to indicate the battery status.

Important: First Time Battery Charge

Charge the transmitters for six hours before first-time use.

Receiver

| Status | LED Indicator | Description |
|--|--|---|
| OFF |  | The Receiver is power-off. |
| Auto-Pairing Success & Stand By |  Flash BLUE | The connection between Transmitter and the Receiver is established. |
| Presentation |  Static BLUE | Presentation is proceeding. |

5. Specification

| Product Series | VisionShare AD Series | | | |
|-------------------|---|---------------------------------------|----------------|---------------------------------------|
| Model Name | AD2 | AD20 | AD4 | AD40 |
| Resolution | 1920x1080p@60Hz | | 3840x2160@30Hz | |
| Frequency Band | 60GHz mmWave | | | |
| Max. Data Rate | up to 28 Gbit/second | | | |
| WiFi transmission | Beamforming | | | |
| Video Quality | UnCompressed true video quality | | | |
| Wireless Distance | Up to 10 meters | | | |
| Support OS | Windows / MAC / Chrome / Android / iOS | | | |
| Battery Embedded | 2500mAh, 3-3.5 hours usage with 2 hours fast charge | | | |
| Transmitter | HDMI 1.4 x 1 | HDMI 1.4 x 1 USB-C x 1(DP support) | HDMI 2.0 x 1 | HDMI 2.0 x 1 USB-C x 1(DP support) |
| Power Station | x 1 | x 2 | x 1 | x 2 |
| Receiver | HDMI output x 1, USB Type C x 1 (Power) | | | |

* Wireless transmission distance will depend on different environments.

* Specifications subject to change without further notification.