



NovoDisplay

VKA-K1 User Manual

(For DK430, DK550, DK650 and DK750 models)

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Copyright Statements

Copyright

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Disclaimer

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About the Manual

The manual describes how to install and use the display and is applicable to the end-user. Relevant information (such as illustrations and descriptions) is put on the same page as possible as we can. The format, easy for printing, is convenient for reading and paper-saving which is beneficial to environmental protection. It is suggested printing the page you need.

Safety Instructions

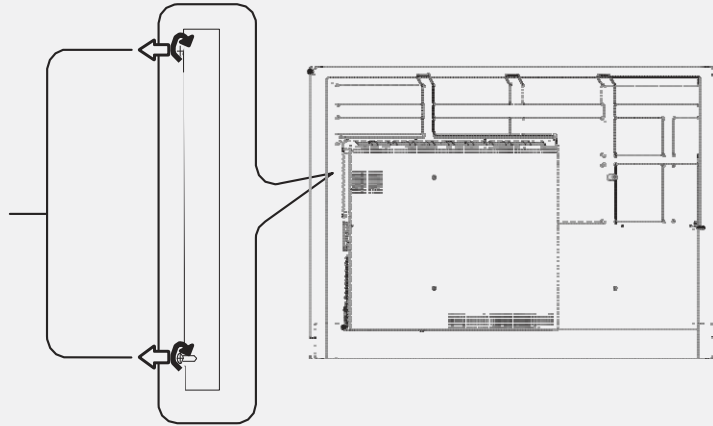
1. Please carefully read the User Manual before using the product;
2. Before removing the product, please unplug the AC power cord from power socket;
3. Before connecting or disconnecting any signal cables, make sure that all the power cords are unplugged in advance;
4. To avoid damages caused by frequent startup and shutdown, wait for at least 30 seconds before restarting the product;
5. All the operations such as removal or installation shall be implemented on the electrostatic discharge (ESD) worktable, because some precision components are sensitive to electrostatic discharge;
6. If there is no ESD worktable, please take the following measures to minimize possible damages from electrostatic discharge:
Wear an antistatic wrist strap during operation;
Always touch the metal chassis or frame of the corresponding products before removal or installation of any components;
7. The normal working temperature for the product is $0^{\circ}\text{C}\sim 40^{\circ}\text{C}$, and the normal working humidity is $10\%\sim 90\%$;
8. Assure good cooling and ventilation;
9. Dispose or recycle the obsolete batteries properly. Keep children away from the batteries and do not throw the batteries into fire to avoid injuries;
10. There are heating holes on back cover, do not spray water to it or use damp cloth for cleaning;
11. Please call professional personnel for maintenance service.

Installation Procedure

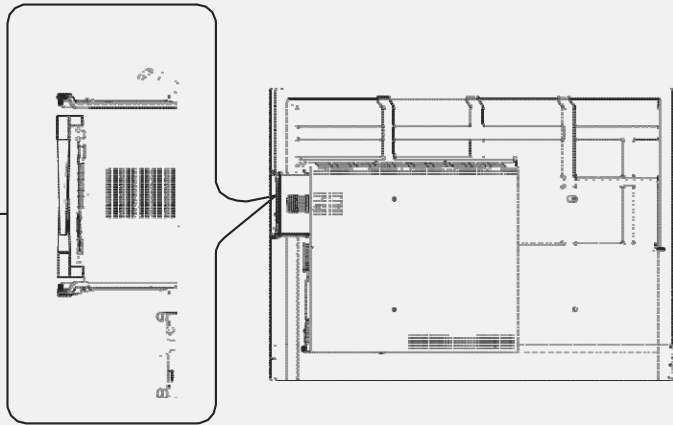


Warning: Please make sure the power cord is disconnected before conducting the following operations.

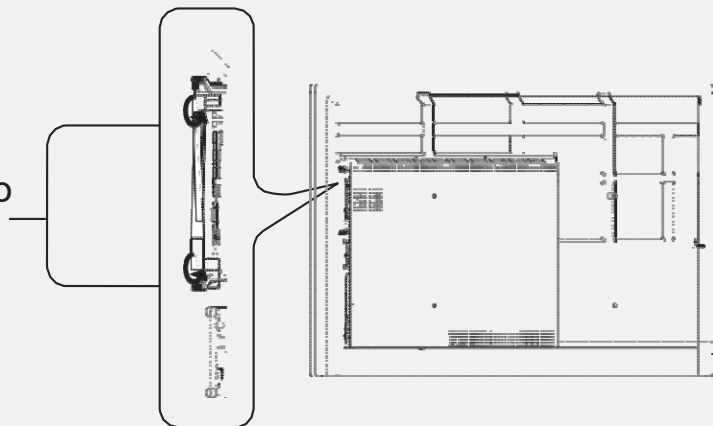
1 > Screw off and take off the metal plate.



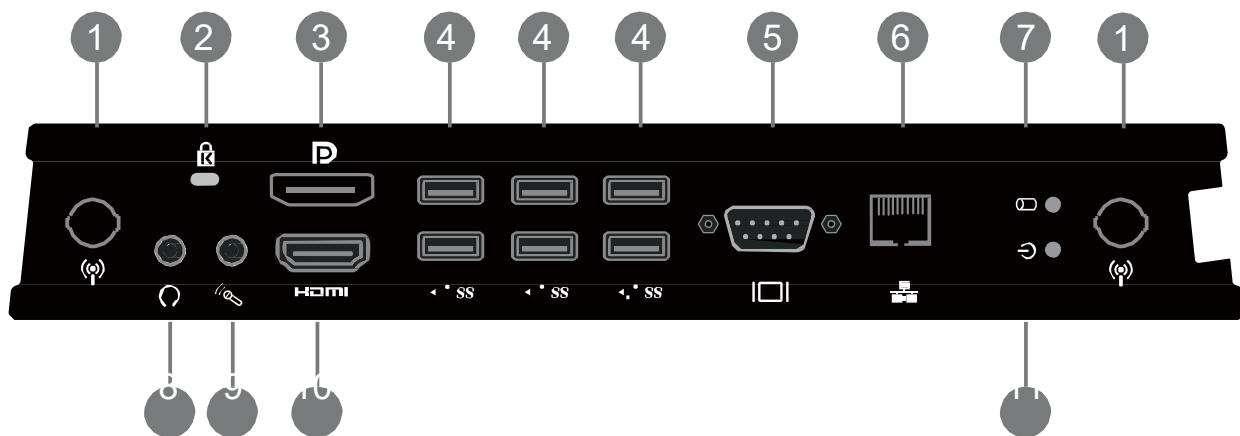
2 > Insert the PC module as showed on the left picture until the upper and lower shrapnel snap into place.














3 > Adjust the antenna fold it upwards.



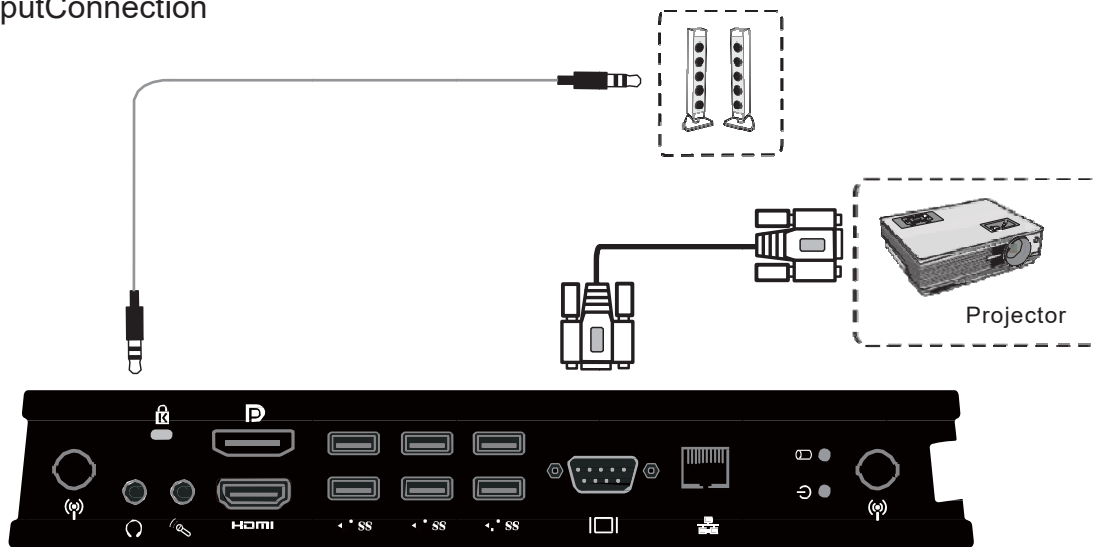
ExternalInterface



1		WIFI antennainterface
2		Anti-theftlock
3		ConnectedtodevicewithDisplayPortinputfunction
4		USB3.0interfacetconnectUSBdevices,suchasmobileharddisk,Udisk,USBkeyboardandmouse,USBdrives,etc
5		ConnectedtodisplaydevicewithVGAinputfunction
6		Networkinterface,connectingRJ45porttoconnecttotheInternet(itcanonlyworkincomputersystemforInternet)
7		Workingindicatorlight
8		Connectedtodevicewithheadphoneinputfunction
9		Connecttodevicewithmicrophonevoicecollection(usedforrecordingfunction)
10		ConnectedtodevicewithHDMI inputfunction
11		Workingindicatorlight

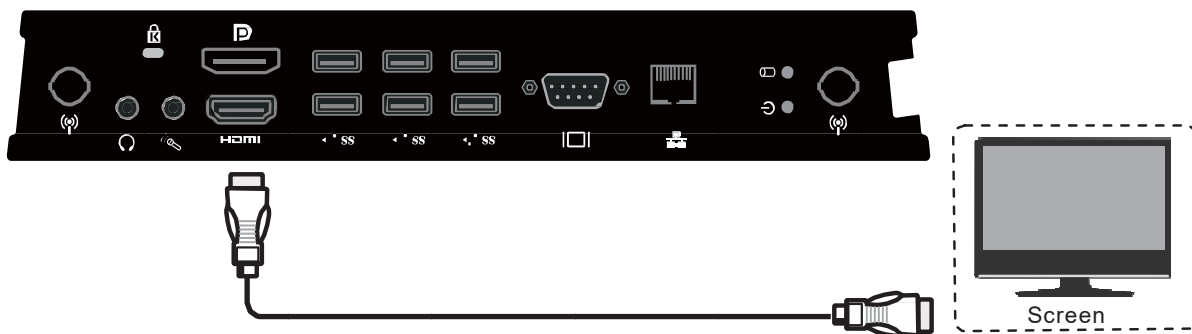
Connection and Settings

1. VGA Output Connection



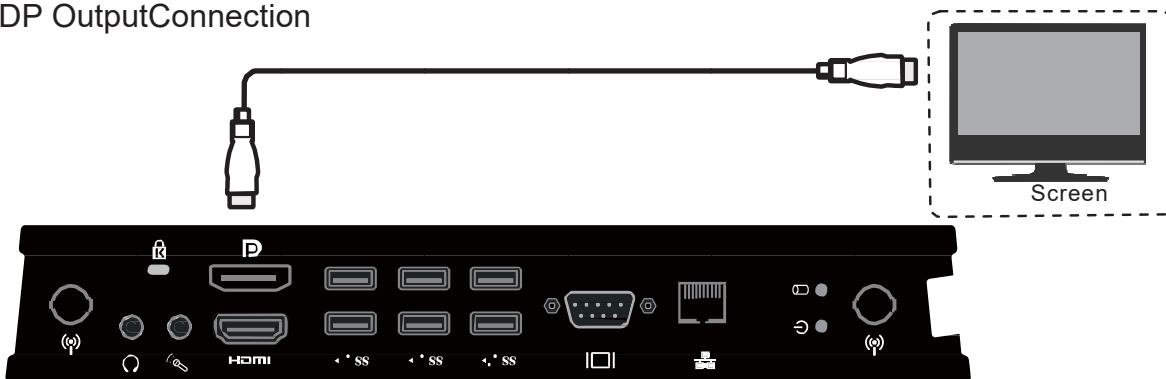
- (1) Use VGA line to connect display devices with VGA input, and use headphone line to connect sound output;
- (2) Press INPUT key to switch to PC port;
- (3) Set internal computer as VGA output or multi-screen display.

2. HDMI Output Connection



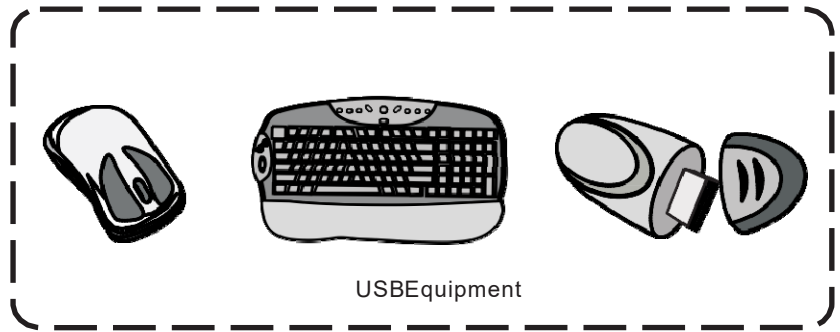
- (1) Use HDMI line to connect display devices with HDMI input;
- (2) Press INPUT key to switch to PC port;
- (3) Set internal computer as HDMI output or multi-screen display.

3. DP Output Connection

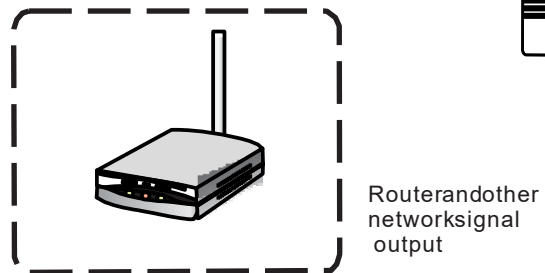


- (1) Use DisplayPort line to connect display devices with DP input;
- (2) Press INPUT key to switch to PC port;
- (3) Set internal computer as DP output or multi-screen display.

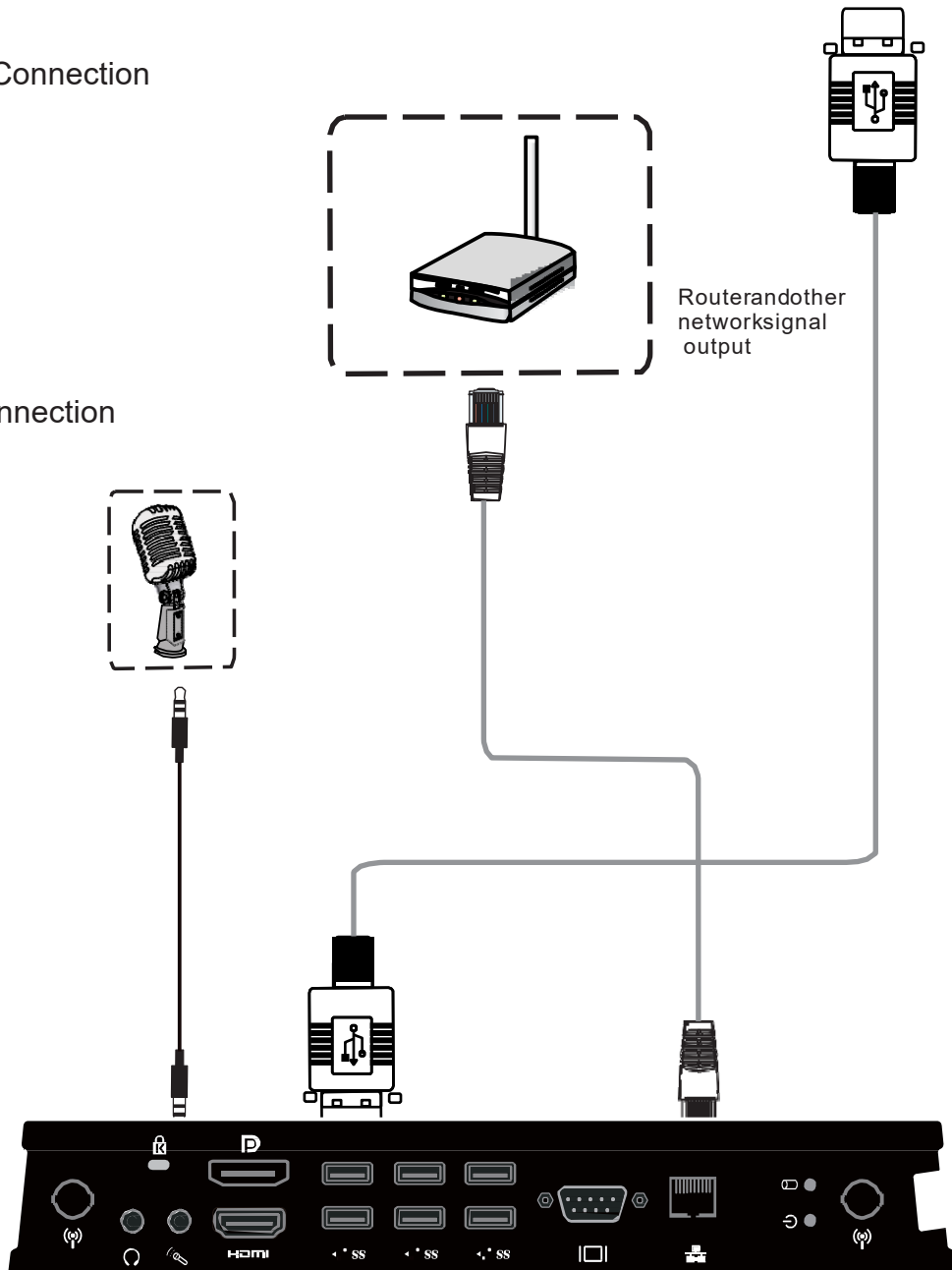
4. USB Equipment Connection



5. Network Cable Connection



6. Microphone Connection

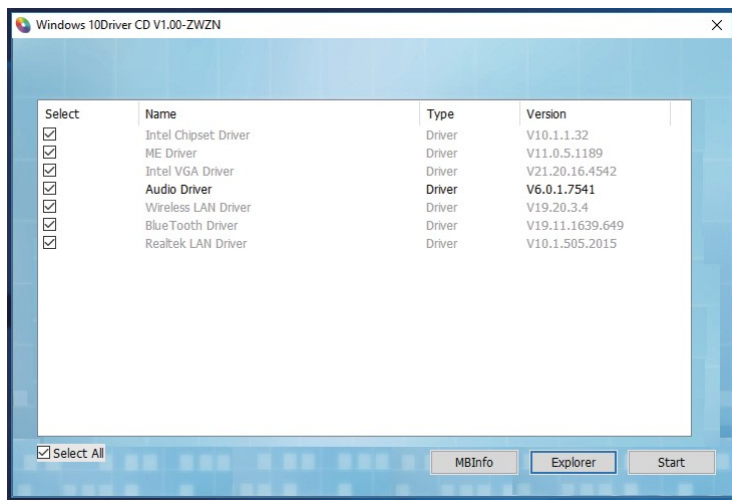


DriverInstallation

Put the driver disk of the main board in the CD-ROM, the disk operates automatically and the following screen is displayed:

If this screen does not appear, please double click X:\SETUP.EXE.

(Assume that the driver letter is "X:")



Please click the driver you want to install on the above screen, and perform installation following the instructions.

RF&Power

Frequency Range	Output Power (Max.)
2402 to 2480 MHz (BT)	2.0 dBm
2402 to 2480 MHz (LE)	3.73 dBm
2412 to 2472 MHz	17.41 dBm
5150 to 5250 MHz	18.94 dBm
5250 to 5350 MHz	18.94 dBm
5470 to 5725 MHz	18.94 dBm

Software: V19.20.3.4

Antenna Type: Dipole

Antenna Gain: 2400MHz-2500MHz: ANT A: 1.86 dBi ; ANT B: 1.86 dBi

5150MHz-5250MHz: ANT A: 0.40 dBi ; ANT B: 0.40 dBi

5725MHz-5850MHz: ANT A: 0.11 dBi ; ANT B: 0.11 dBi

Antenna Impedance: 50Ω

In all EU member states, operation of 5150-5350 MHz is restricted to indoor use only.

This device should be installed and operated with a minimum distance of 20cm between the radiator and your body.



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FCC Statement

Federal Communication Commission Interference Statement

This equipment 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 equipment 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 equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment 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.

FCC Caution:

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.

Non-modification Statement:

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

Radiation Exposure Statement

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