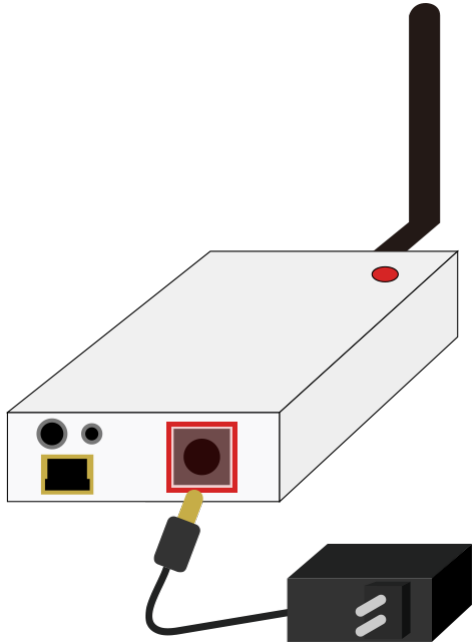


# User's Manual

(KVL-G3-K01)

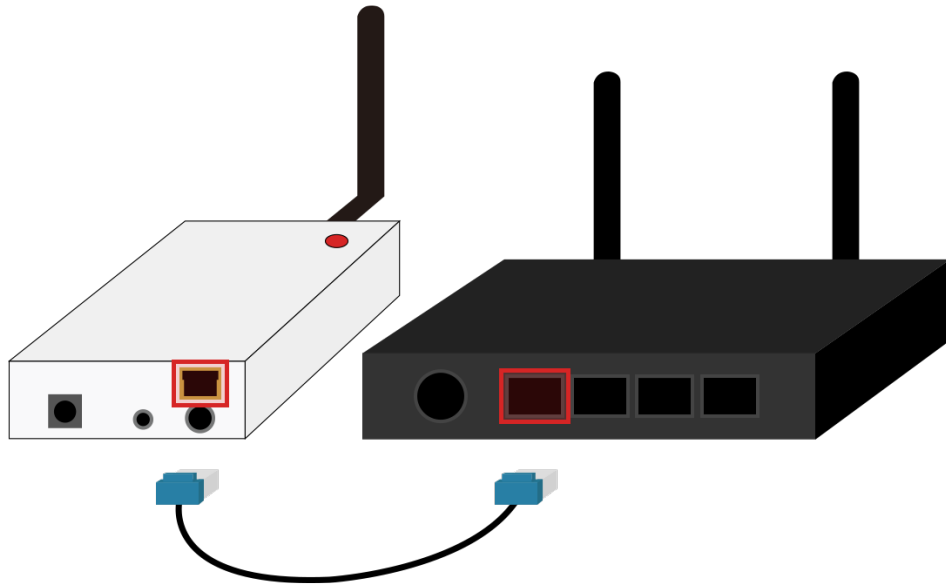
1. Power Connection
2. Internet Router Connection
3. Terminal Description
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# 1. Power Connection



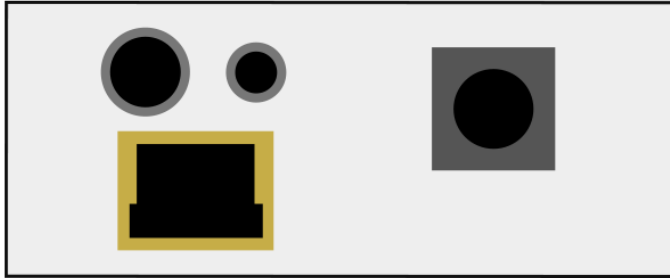
- a. Prepare a 12V/1A adapter.
- b. After Plugging the adapter into the AC outlet, connect the DC plug of the DC adapter to "DC IN" of the product.
- c. When the power connection is completed, the red LED on the top of the products lights up.

## 2. Internet Router Connection



- a. Connect the LAN port of the Internet Router to the LAN port of the product with a LAN cable.

### 3. Terminal Description



- a. 3.5mm round terminal on the upper left : “METER” – External a measuring instrument connection.
- b. Upper left 2.5mm round terminal: “UART” - monitoring and setting.
- c. Bottom left square terminal : “LAN” – Internet Router connection.
- d. Round terminal in the upper right square : “DC-IN” – Power connection.

## 4. Specification

<b>RF</b>	.LoRA Technology RF modulation .Frequency : 902MHz ~ 928MHz
<b>Interface Type</b>	· RS485 interface · DC-PLC interface · Ethernet (RJ-45) interface · Micro SD
<b>Operation Range</b>	· Maximum 3Km
<b>Memory</b>	· Max 32G(Micro SD) support
<b>Crypto Engine</b>	· AES-128
<b>Rx Sensitivity</b>	· -137dBm
<b>RF Tx Power</b>	· 0 ~ 14dBm
<b>LED</b>	· Power Status, Operation Status
<b>Power Supply</b>	· DC 12V 1.5A
<b>Operating Temp.</b>	· -40° C ~ + 80° C
<b>Size</b> (Standards)	· 112(H)x65(W)x36(D)mm

## 4. Specification

The revised User Manual does not contain the FCC required warning statements.

a. Rule Part 15.19(a)(3): 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.

b. Rule Part 15.21: The users manual or instruction manual for an intentional or unintentional radiator shall caution the user that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.