REV	LOCA	NAME	SUBJECT	DATE
V1.0		Zhu Shasha	初版发布	17/08/17
V1.1		Zhu Shasha	增加德语内容	17/09/20

封面

封底

PHICOMM

KE 2P AC1300 Dual Band Gigabit Wireless Router

Quick Installation Guide

A quick look

WAN port: Connect a RJ-45 cable into the port to establish Internet connection.

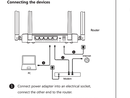
LAN ports 1-4: Connect RJ-45 cable(s) to establish LAN connection.

Power port: Connect the AC power adapter to power supply.

WPS/Reset button: Reset: Press and hold this button for at least 5 seconds.
WPS: Press and hold this button for less than 2 seconds.

1

Connecting the devices



1. Connect your device to the router (wired or wireless).
   Wired: Connect your PC to the LAN port on the router with a RJ-45 cable.
   Wireless: Turn on WLAN on your wireless device and connect to **PHICOMM_KE_2P** or **@PHICOMM_KE_5G**.

   KE represents the last two digits of router's MAC address that can be found on the label at the bottom of your router.

2. Connect power adapter into an electrical socket, connect the other end to the router.
3. Connect your modem to the WAN port on the router using a RJ-45 cable.
   ⚠ Make sure your modem has proper Internet connection.
   ⚠ If you have a wired ethernet connection to Internet instead of a modem, connect the cable from your ISP to the WAN port on the router, and turn on the router. Then continue with the following instructions to complete the router setup.

2

Configuring router via web browser

1. On your web browser, enter **p.w** or **192.168.2.1** in address bar and click **Start Setup** on on the setup wizard.

2. Create a password for your router and click **Next**.

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3. Select your local time zone and click **Next**.

4. Specify your Internet connection type, enter the relevant account information as required and click **Next**. Contact your Internet Service Provider (ISP) if you are not sure about this step.

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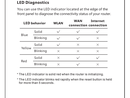
5. Set SSID and password for your wireless network or use the default settings. Click **Save** to complete the setup.



6. When the setup complete, if your device does not automatically connect to WLAN, please connect manually with the SSID and password configured in the previous step.

5

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Configuring router via Phicomm app

1. Scan the QR Code below - download and install **PHIWIFI** from Apple App Store or Google Play.

for US | for Europe

2. Make sure your router is powered on and connected to Internet properly. Turn on WLAN on your smartphone and connect to Phicomm's wireless network **@PHICOMM_KE_2P** or **@PHICOMM_KE_5G**.
3. Launch PHIWIFI and follow the step-by-step instructions to complete the setup.

You can record your router's settings here:

Router password:	
SSID	
2.4 GHz Password	
SSID	
5 GHz Password	

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LED Diagnostics

You can use the LED indicator located at the edge of the front panel to diagnose the connectivity status of your router.

LED behavior		WLAN	WAN	Internet connection connection
Blue	Solid	✓	✓	✓
	Blinking	✓	✓	✗
Yellow	Solid	✓	✓	✗
	Blinking	✓	✗	✗
Red	Solid	✗	✗	✗
	Blinking	✗	✗	✗

* The LED indicator is solid red when the router is initializing. It will turn blinking red if the router fails to start up or enters a fault. For more than 5 seconds.

8

Notification of Compliance

FCC User Information
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.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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 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 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 & your body.

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DECLARATION OF CONFORMITY

CE Mark Warning

CE

This is a class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

Operating Frequency
2412 (MHz) - 2462 MHz / 5G: 5150 - 5250 MHz

Maximum Radio Frequency Power Transmitted
2.4G: 20 dBm / 5G: 23 dBm

This device may be operated in all EU countries (and other countries following the EU directive 2014/53/EU) without any restriction except for:

- In the band 5150 - 5250 MHz is restricted to indoor only operation.

CE Exposure Information
This device meets the EU requirements (RED 2014/53/EU) on the limitation of exposure of the general electromagnetic fields by way of health protection.
The device complies with RF specifications when it is used at a distance of 20cm from your body.

LEGAL INFORMATION ABOUT INTELLECTUAL PROPERTY
All company, product and service names mentioned herein are trademarks, registered trademarks or copyrights of their respective owners.

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Limitation of Damages
In no event shall Phicomm (Shanghai) Co., Ltd. be liable for any special, indirect, punitive, incidental or consequential damages, or any loss of profits, revenue, data, goodwill or anticipated savings, regardless of whether Phicomm (Shanghai) Co., Ltd. has been advised of the possibility of such damages, to the extent permitted by law.
Notwithstanding the foregoing, in no event shall liability for personal injury to the extent applicable law prohibits such a limitation.
Notwithstanding the foregoing, in no event shall Phicomm (Shanghai) Co., Ltd. and/or its suppliers' aggregate liability under any circumstances exceed the amount paid by customers for the purchase of the product.

Important Health Information and Safety Precautions
When using this product, the safety precautions below must be taken to avoid possible legal liabilities and damage.
In the following statement, "Phicomm (Shanghai) Co., Ltd." represents "Phicomm (Shanghai) Co., Ltd. and its affiliates". Ensure that you read the safety precautions below before handling the equipment.
Phicomm (Shanghai) Co., Ltd. will not provide support to customers who use these third party software and applications, third party software and applications integrated into Phicomm (Shanghai) Co., Ltd. firmware, Phicomm (Shanghai) Co., Ltd. does not guarantee that any content or function will be continuously shared or available for use. Additionally, Third party service providers provided content and services through network or transmission tools outside of the control of Phicomm (Shanghai) Co., Ltd. and may be suspended or penetrated by applicable law. It is explicitly stated that Phicomm (Shanghai) Co., Ltd. shall not be liable for the content provided by third party service providers or the interruption or suspension of third party content or services. Third party service providers provided content or services may be offensive, or any other aspects of any software installed on the product, or the third party content displayed on the product may be illegal, infringe others or software Customers shall bear the risk for any use of such software or content. Customers shall bear the risk for the product, which result from installing software or uploading or downloading the third party works.

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SAFETY PRECAUTIONS FOR POWER SUPPLY UNIT

CAUTION: Connecting to an inappropriate charger can result in an explosion or fire hazard.

SAFETY PRECAUTIONS FOR DIRECT SUNLIGHT
Keep the product away from high temperature and moisture environments. The device is designed to be operated in temperatures between 0°C and 40°C. Low- or high-temperature environments may lead to the device being damaged or even explosion. Do not leave the product in a vehicle or in places where the temperature is above 40°C (104°F). Do not place the device in direct sunlight. Avoid dramatic changes in temperature or humidity when using the product. Condensation may form on the product or inside it when you are using the device, it is normal for the device to get warm. The exterior of the device functions as a cooling surface to transfer heat from inside the unit to the cooler air outside.

ENVIRONMENT RESTRICTIONS
Do not use this product in gas stations, fuel depots, chemical plants or where blasting operations are in progress, or in any potentially explosive atmospheres such as yellow dock on boats, fuel or chemical transfer or storage facilities, and areas where the air contains chemicals or particles, such as grain, dust, or metal powders. Please be aware that sparks in such areas could cause an explosion or explosion, or fire.

EXPLOSIVE ATMOSPHERE
In any area with a potentially explosive atmosphere or where flammable materials are being processed, stored and used, the use of mobile devices may be restricted. In such environments, sparks can be formed and cause explosion, fire or injury. Do not even dash. Users are advised not to use the equipment at refueling points such as near petrol pumps or chemicals. Observance of the need to observe restrictions on the use of radio equipment in fuel depots, chemical plants, or where blasting operations are in progress, or in any potentially explosive atmospheres such as yellow dock on boats, fuel or chemical transfer or storage facilities, and areas where the air contains chemicals or particles, such as dust or metal powders.

SAFETY PRECAUTIONS FOR RF EXPOSURE
Avoid contact with any part of the device while it is in use.

INTERFERENCE WITH MEDICAL EQUIPMENT FUNCTIONS
This product may cause medical equipment to malfunction. The use of this device is forbidden in most hospitals and medical clinics.
If you use any other personal medical device, consult the manufacturer of your device to determine if they are adequately shielded from external RF energy.

HEARING AID DEVICES
When some wireless devices with some hearing aid devices. In the event of such interference, you may want to consult your service provider, or call customer service helpline to discuss alternatives.

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NON-IONIZING RADIATION
Non-ionizing electromagnetic radiation. This product should be operated in its normal use positions to ensure the radiative performance meets the requirements. Avoid unnecessary contact for satisfactory operation of the equipment and for the safety of personnel. It is recommended that no part of the human body be allowed to come in close proximity to the radiating antenna of the equipment.

ANTENNA
Use only the supplied or approved. Use of unauthorized or modified antennas may impair handset quality and damage the device. Unauthorized antennas, modifications, or attachments could damage the product and may violate local regulations or regulatory requirements in your country.

Do not touch the antenna unnecessarily. Avoid unnecessary exposure to RF energy is within the guidelines set forth in the relevant standards and recommended by the manufacturer for safe operation. Contact with the antenna may impair quality and cause the device to operate at a higher power level than needed. Avoiding contact with the antenna area when the device is in use optimizes the antenna performance.

GENERAL PRECAUTIONS
Do not expose your device to any extreme pressure to the device. Do not apply excessive pressure on the device to prevent damage.

DEVICE ALLETTING BARKS AFTER PRELONGED USE
When using your device for prolonged periods the device may become warm. In most cases this is normal and should be therefore should not be interpreted as a problem with the device.

ASSIST DEVICES WARNING
Some assist devices (such as pacemaker, etc.) may impair any product yourself. Serious medical complications could this device should be done by an authorized service.Guide or provide Phicomm (Shanghai) Co., Ltd. recommends that the uninstallation instructions, and discard use in mounting accessory equipment, and other equipment.

DAMAGE REQUIRING SERVICE
Unplug the device from the electrical outlet and contact an authorized service center or provider under the following circumstances:
- Liquid has been spilled or an object has fallen on the device.
- The device has been exposed to rain.
- Does pose a possible signs of overheating.
- The product does not operate normally when you follow operating instructions.

AVOID WET AREAS
Never use the product in a wet location.

AVOID USING YOUR DEVICE AFTER A DRAMATIC CHANGE IN ENVIRONMENT
Exceptional drop, force or so which the device which it is utilized between environments with very different temperature and/ or humidity may cause condensation to form within the device. Allow the device to evaporate before using the device.

AVOID THE USE OF THE DEVICE DURING A STORM
Lightning storms pose no danger to the device, however it is advisable to store temperature before turning on power.

AVOID PUNISHING OBJECTS INTO THE DEVICE
Never push objects of any kind into cabinet slots or other openings in the product. Slots and openings are provided for ventilation. These openings must not be blocked or covered.

MOUNTING ACCESSORIES
Do not use the product on an unstable table, cart, tripod or bracket. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.

AVOID UNSTABLE MOUNTING
Do not place the product with an unstable base.

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USE PRODUCT WITH APPROVED EQUIPMENT
This product should be used only with personal computers and peripherals that are suitable for use with this equipment.

CLEANING
Unplug the device from the wall outlet before cleaning. Do not use liquid or aerosol cleaners to clean the device. Use a Cleaning REFER user water to clean the device.

AVOID EXTREME TEMPERATURES
The product should be placed away from heat sources such as electrical appliances, radiators, or other products (including amplifiers) that generate heat.

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CAUTION: Update your operating system with caution.
Installing an unauthorized operating system or updating an operating system update fail leading to device not functioning properly. If such a situation occurs, you need to send the unit for repair.

An unofficial operating system can cause security risks. Please, only install the operating system provided by Phicomm (Shanghai) Co., Ltd. If not you will void the warranty and a repair is chargeable.

Hereby, Phicomm (Shanghai) Co., Ltd. declares that the radio equipment type KE 2P is in compliance with the RED Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following Internet address: www.phicomm.de

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Pantone 158C | k100

NOTE（技术要求）：
1. 成型尺寸：85*140 mm，公差：±1mm
2. 材质：128g铜板纸，表面过光油
3. 折页方式：骑马钉
4. 印刷颜色：封面：黑底银字，内页：单色印刷
5. 输出网线：200 lpi
6. 所有原材料和制作工艺均满足RoHS指令、WEEE指令和包装指令（94/62/EC）要求。

PHICOMM Shanghai Feixun Communication Co., Ltd.

TITLE	QIG		UNLESS OTHERWISE SPECIFIED GENERAL TOLERANCE: ≤5 ±0.1; >6~30 ±0.15; >30~120 ±0.15; >120~400 ±0.2; ≥400 ±0.3; ANGULAR ∠ ± 1°	MODEL	KE 2P	UNIT	mm
DRAWING	Zhu Shasha	17/09/20		DWG NO	KE 2P_QIG	SIZE	
CHECKED	Yang Rui	17/09/20		PART NO	811002319	REV	V1.1
APPROVED	Deng Zengzhu	17/09/20	PROJECTION	SCALE	1:1	PAGE OF	1/1