# VNT846
## AC1600 WIFI ROUTER

VNT846
AC1600 WIFI ROUTER

(intel)
innovation

**vtech**

⏻  🌐  LAN  2.4G 📶  5G 📶  WPS  ⚡

(intel)
innovation

Wi Fi®
CERTIFIED

# vtech®
# User's manual

# Congratulations

on your purchase of this VTech product. Before using this product, please read the **Important safety information**.

This user's manual provides you with the complete installation and setup instructions.

For customer service or product information, visit our website at **businessphones.vtech.com** or call **1 (888) 370-2006**.

| | |
|---|---|
| Model number: | VNT846 |
| Type: | AC1600 WIFI ROUTER |
| Serial number: | _____ |
| Purchase date: | _____ |
| Place of purchase: | _____ |

Both the model and serial numbers of your VTech product can be found on the bottom of the router.

Save your sales receipt and original packaging in case it is necessary to return your router for warranty service.

## Important safety information

When using your equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock and injury, including the following:

1.  Read and understand all instructions.

2.  Do not use this product near water such as near a bath tub, wash bowl, kitchen sink, laundry tub or a swimming pool, or in a wet basement or shower.

3.  Do not place this product on an unstable table, shelf, stand or other unstable surfaces.

4.  **CAUTION:** Use only the adapters included with this product. Incorrect adapter polarity or voltage can seriously damage the product.
    Power adapter: Input 100-240V AC 800mA 50/60Hz; Output: 12V DC 2000mA

5.  The power adapters are intended to be correctly oriented in a vertical or floor mount position. The prongs are not designed to hold the plug in place if it is plugged into a ceiling, under-the-table or cabinet outlet.

6.  For pluggable equipment, the socket-outlet shall be installed near the equipment and shall be easily accessible.

7.  Unplug this product from the wall outlet before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.

8.  Do not cut off the power adapters to replace them with other plugs, as this causes a hazardous situation.

9.  Do not allow anything to rest on the power cords. Do not install this product where the cords may be walked on or crimped.

10. This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply in your home, consult your dealer or local power company.

11. Do not overload wall outlets or use an extension cord.

12. This product should not be placed in any area where proper ventilation is not provided. Slots and openings in the back or bottom of this product are provided for ventilation. To protect them from overheating, these openings must not be blocked by placing the product on a soft surface such as a bed, sofa or rug. This product should never be placed near or over a radiator or heat register.

13. Never push objects of any kind into this product through the slots because they may touch dangerous voltage points or create a short circuit. Never spill liquid of any kind on the product.

14. To reduce the risk of electric shock, do not disassemble this product, but take it to an authorized service facility. Opening or removing parts of the product other than specified access doors may expose you to dangerous voltages or other risks. Incorrect reassembling can cause electric shock when the product is subsequently used.

15. Periodically examine all components for damage.

# SAVE THESE INSTRUCTIONS

# Important safety information

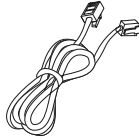## Electromagnetic fields (EMF)

This VTech product complies with all standards regarding electromagnetic fields (EMF). If handled properly and according to the instructions in this user's manual, the product is safe to be used based on scientific evidence available today.
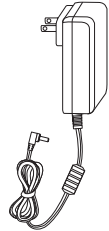
# Parts checklist

Your router package contains the following items. Save your sales receipt and original packaging in the event warranty service is necessary.
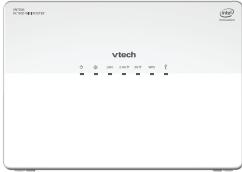


Router          Ethernet cable          Power adapter

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# Getting started
## Router overview



**1 –** 2.4G 📶 **Wi-Fi button**

- Press to turn the 2.4G Wi-Fi on or off.
- After turning on the Wi-Fi, <u>press and hold</u> for 10 seconds to start the Wireless Protected Setup (WPS).

**2 –** 5G 📶 **Wi-Fi button**

- Press to turn the 5G Wi-Fi on or off.
- After turning on the Wi-Fi, <u>press and hold</u> for 10 seconds to start the Wireless Protected Setup (WPS).

**3 –** ⚹2 **USB port**

- Connects to USB device for file sharing.

# Getting started
## Router overview

**4 – Status indicators**

### ⏻ (On/Off) light

- Steady green when it is ready to use.
- Steady orange when the router is just powered on and booting.
- Off when the router is powered off.

### 🌐 WAN light

- Steady green when the **WAN** port is connected to wide area network via Cable/DSL Modem.
- Steady orange when the IP establishment is complete.
- Steady red when the router is not connected to wide area network via Cable/DSL Modem.

### LAN **light**

- Steady green when any **LAN** port is connected to Ethernet devices such as computers or SIP phones.
- Flashes green when the router receives data from the **LAN** port.
- Off when any **LAN** port is not connected to Ethernet devices such as computers or SIP phones.

### 2.4G 📶 Wi-Fi light

- Steady green when the 2.4G Wi-Fi is turned on, and when the router is sending or receiving 2.4G Wi-Fi data.
- Off when the 2.4G Wi-Fi is turned off.

### 5G 📶 Wi-Fi light

- Steady green when the 5G Wi-Fi is turned on, and when the router is sending or receiving 5G Wi-Fi data.
- Off when the 5G Wi-Fi is turned off.
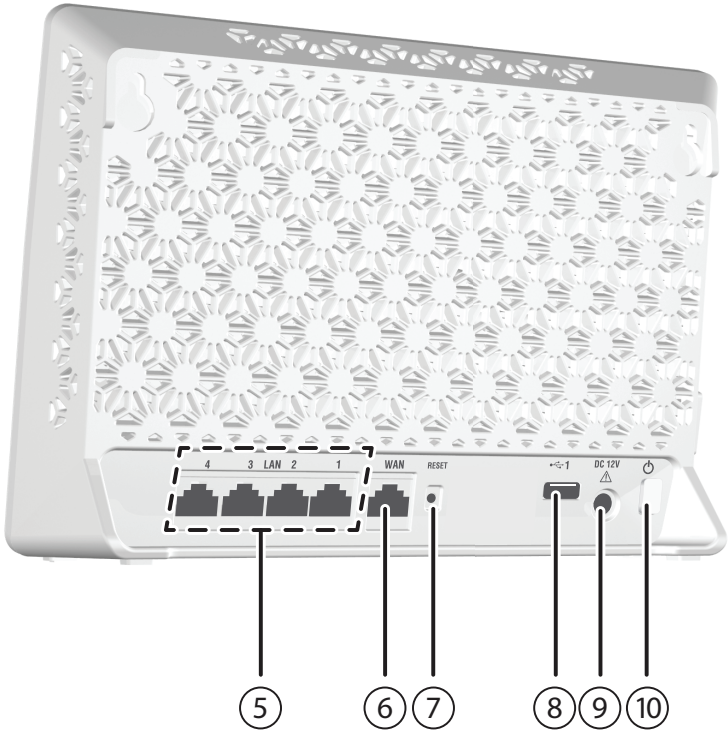
### WPS **Wi-Fi light**

- Flashes green slowly the router is synchronizing security.
- Off when the WPS is not in progress.

### ⇡ USB light

- Steady green when there is a device connected to the USB port.
- Off when there is no device connected to the USB port.

# Getting started
## Router overview



## 5 – LAN ports

- Connect to Ethernet devices such as computers and SIP phones.

## 6 – WAN port

- Connects to the wide area network via Cable/DSL Modem.

## 7 – RESET button

- <u>Press and hold</u> (using a narrow-pointed object) to reset the router to default settings.

## 8 – ⚡1 USB port

- Connects to USB device for file sharing.

## 9 – Power jack

- Connects to the power adaptor.

## 10 – ⏻ (On/Off) button

- Press to power on the router.
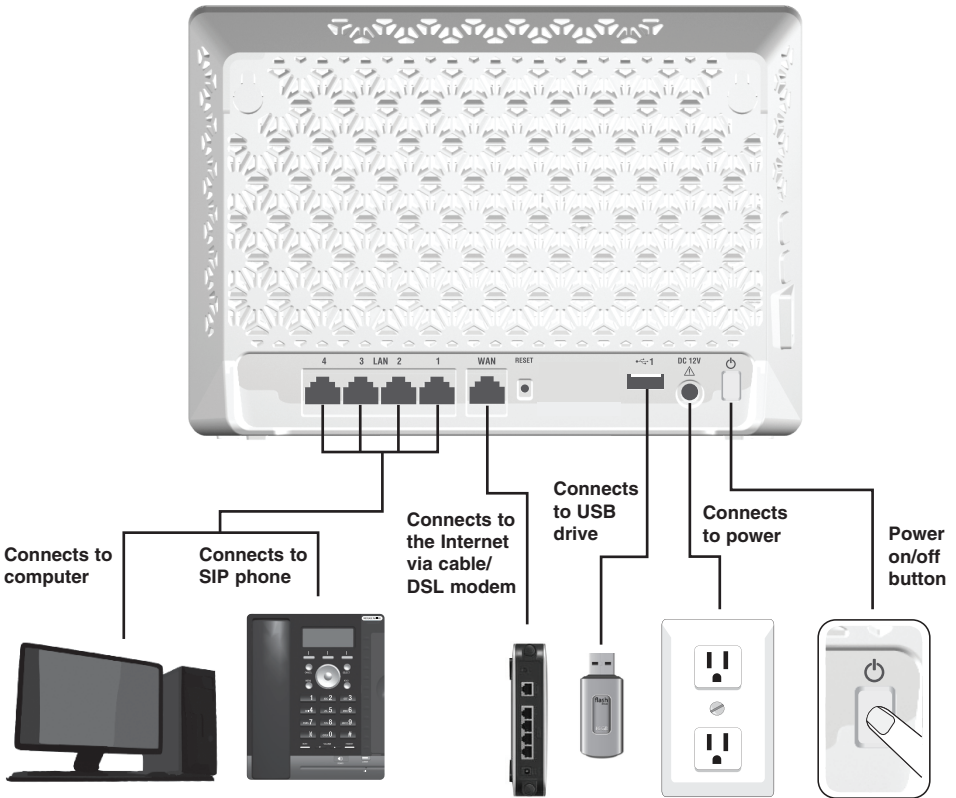- Press once again to power it off.

# Getting started
## Connect your system

The VNT846 router has four LAN ports to connect with Ethernet devices such as computers and SIP phones. Before you start setting up your system, plan it carefully. Consider the number of Ethernet device(s) you need to connect with before you start planning your system.

## 🦗 NOTES

- Use only the adapter provided.
- Make sure the electrical outlet is not controlled by a wall switch.
- The adapter is intended to be correctly oriented in a vertical or floor mount position. The prongs are not designed to hold the plug in place if it is plugged into a ceiling, under-the-table or cabinet outlet.

To power on, press ⏻ button at the back of the router. The ⏻ light will turn on.



**Connects to computer**

**Connects to SIP phone**

**Connects to the Internet via cable/DSL modem**

**Connects to USB drive**

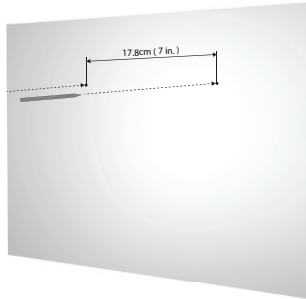**Connects to power**

**Power on/off button**

# Getting started
## Mount the router on the wall (optional)

Your router comes ready for tabletop or floor use. If you prefer to mount your router on the wall, you will need to purchase two screws separately.
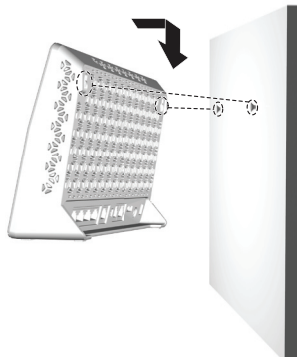
1.  Use a pencil to mark two holes on the desired positions on the wall. The distance between the two holes is 17.8cm (7 inch).



2.  Align and tighten the screws into the holes on the wall, with the screw heads exposed.



3.  Hook the router to the screw heads on the wall, until it secures in place.
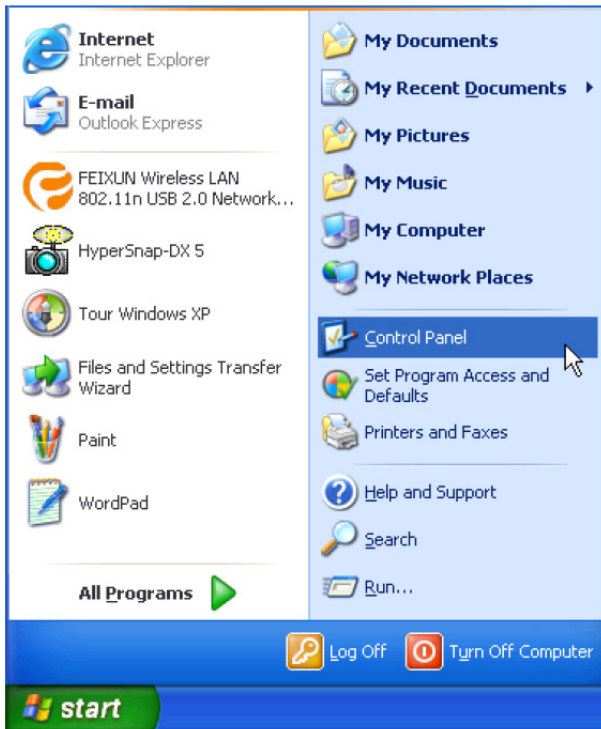
# Getting started
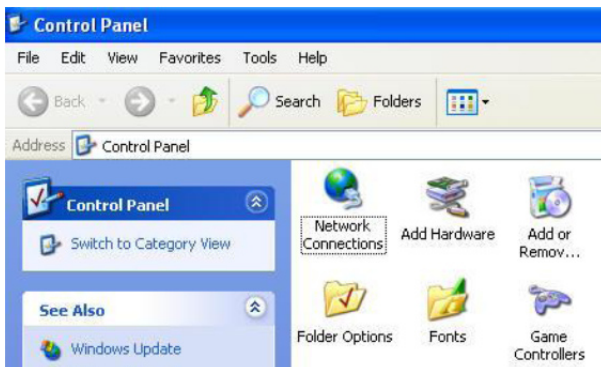## Configure your computer network

In order to view or change the settings of the VNT846 router, you need to login to the web management page of the router. Before that, connect your computer to the LAN port of the router, and then set the computer to obtain IP address automatically according to the steps below.

**For Windows XP/2000**

1. Click **Start**, then open the **Control Panel**.
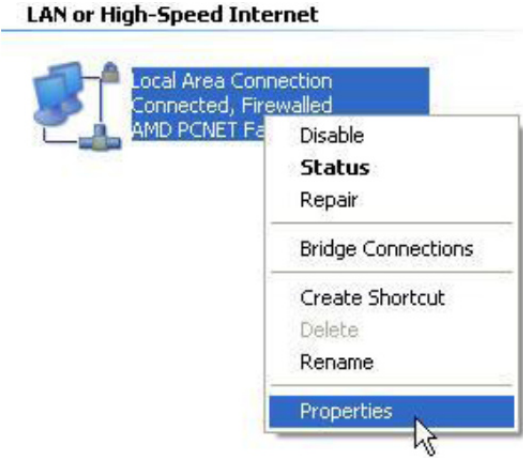
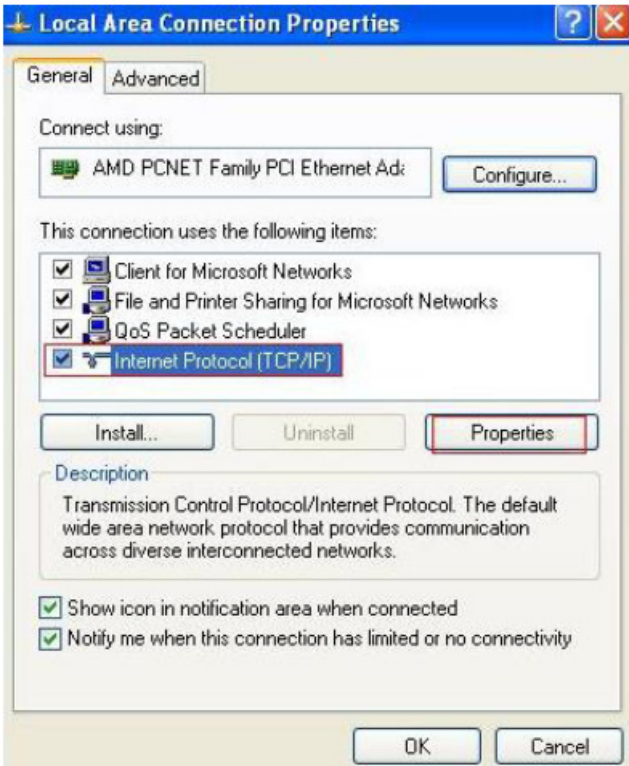2. Double-click **Network Connections**.

# Getting started
## Configure your computer network

3. Right-click **Local Area Connection**, then select **Properties**.



4. Select **Internet Protocal (TCP/IP)**, then click **Properties**.

# Getting started
## Configure your computer network

5. Select **Obtain IP address automatically** and **Obtain DNS server address automatically**, then click **OK**.
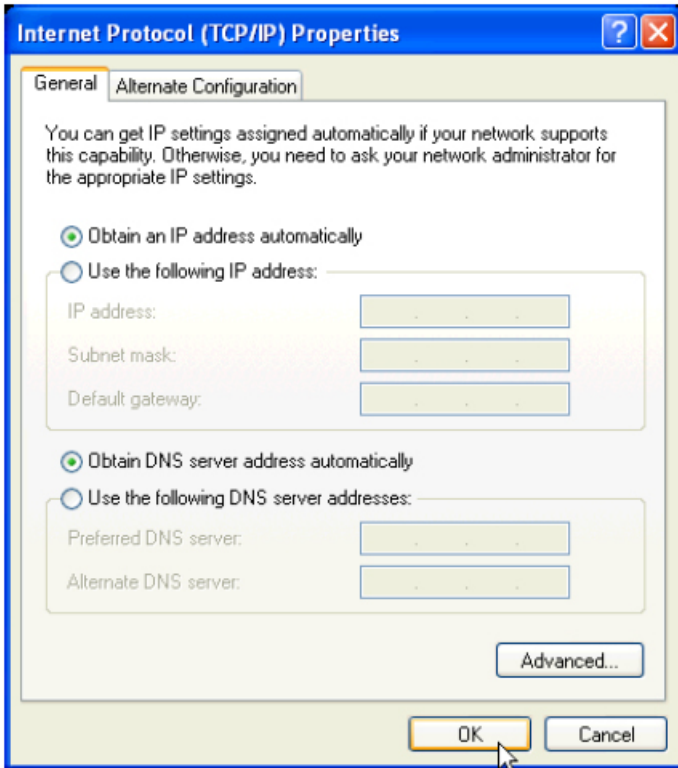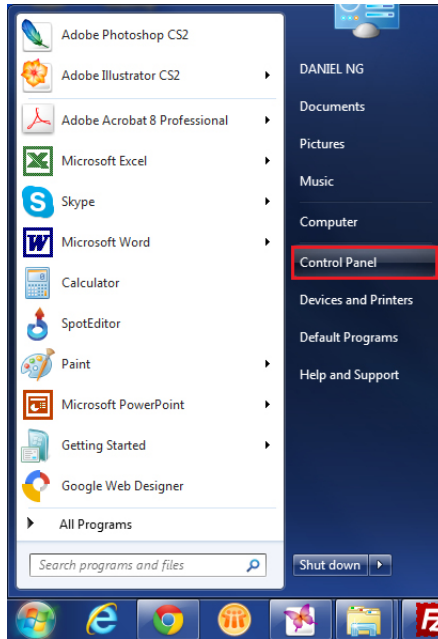
# Getting started
## Configure your computer network

### For Windows Vista/7/8

1. Click **Start**, then open the **Control Panel**.

2. Click **Network and Internet**, then **Network and Sharing Center**.

# Getting started
## Configure your computer network

3.  Click **Change adapter settings**.
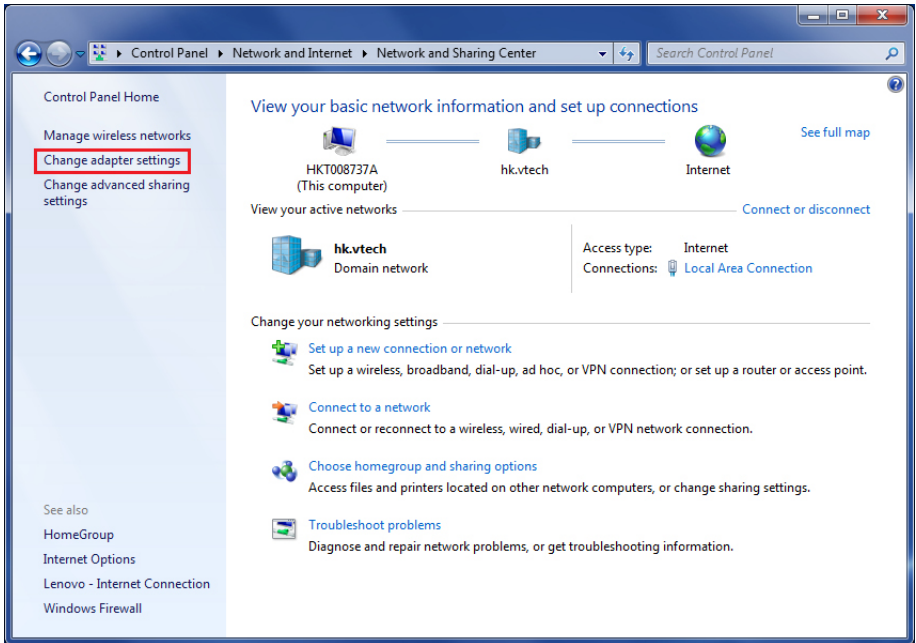


4.  Right-click **Local Area Connection**, then select **Properties**.
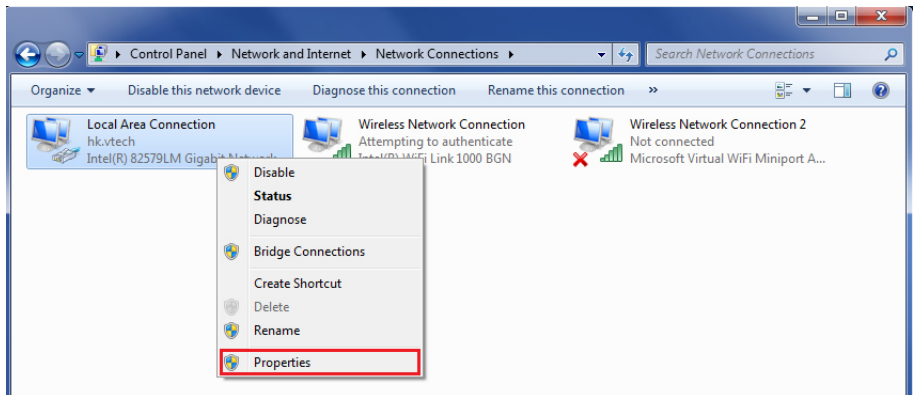
# Getting started
## Configure your computer network

5.  Select **Internet Protocal Version 4 (TCP/IPv4)**, then click **Properties**.



6.  Select **Obtain an IP address automatically** and **Obtain DNS server address automatically**, then click **OK**.

# Configure your router
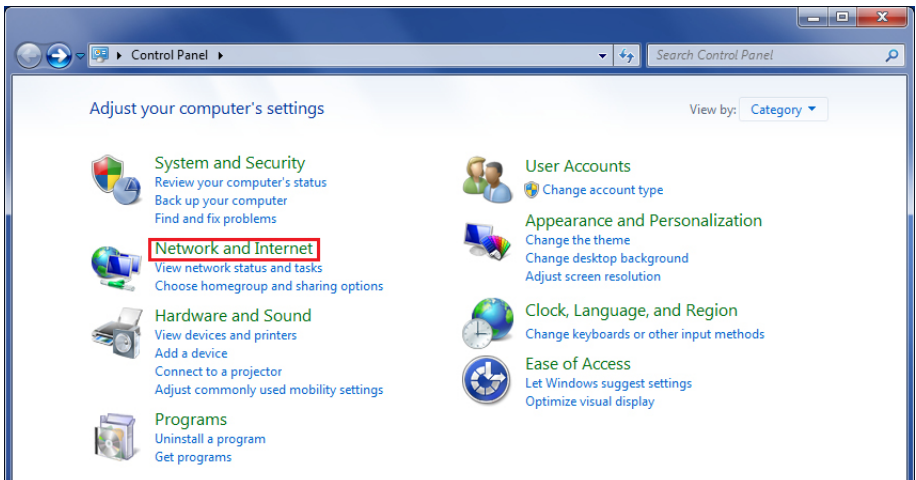## Login to the web management page

With your computer connected to the LAN port of the router and set to obtain IP address automatically, power on the router and you can login to the web management page to browse the router settings and change them if necessary.

🏷️TIP
- Before you browse the web management page, check your browser's network setting. Make sure you do not use a proxy server for LAN setting.
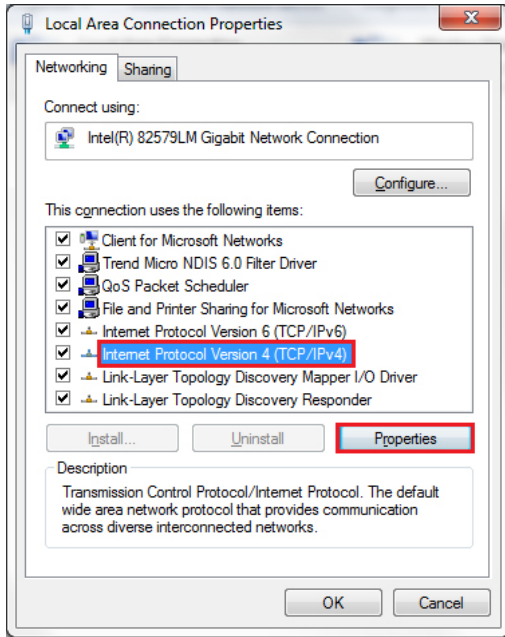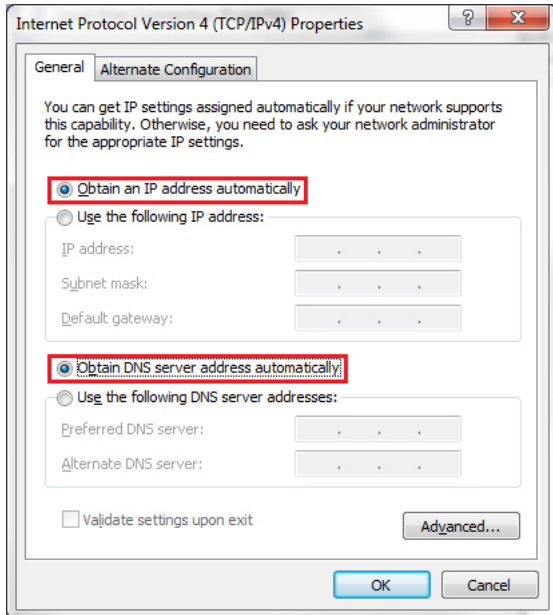
1. Open a web browser on your computer.
2. Type **http://192.168.1.1** in the address bar, then press **Enter**. The following login page displays.
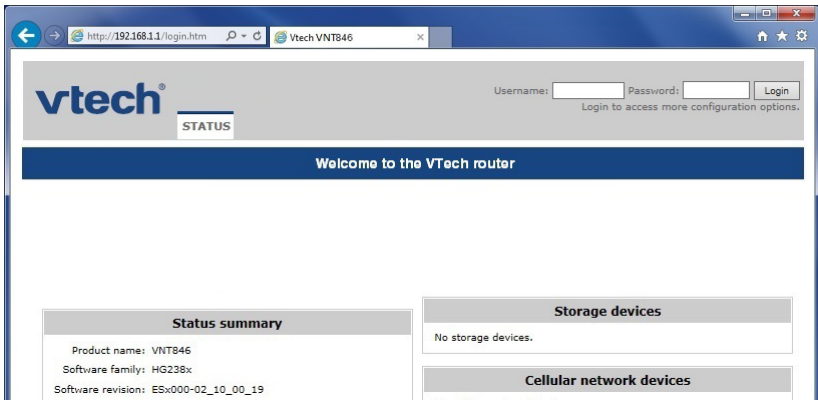


3. Enter the default user name and password as shown below. The user name and password are case-sensitive.

|                        | User name | Password |
| ---------------------- | --------- | -------- |
| Administrative account | admin     | 12345    |

4. Click **Login** to enter the web management page of the router.

🔧NOTE
- Both administrative account and normal user account can view the router settings. To change the settings, you must login using an administrative account.

# Configure your router
## Web management page overview

After you logged in to the web management page, you can do the configurations of your router here. You will see the menus of **SETUP**, **ADVANCED**, **WIRELESS**, **STATUS**, **TOOLS**, and **STORAGE**.
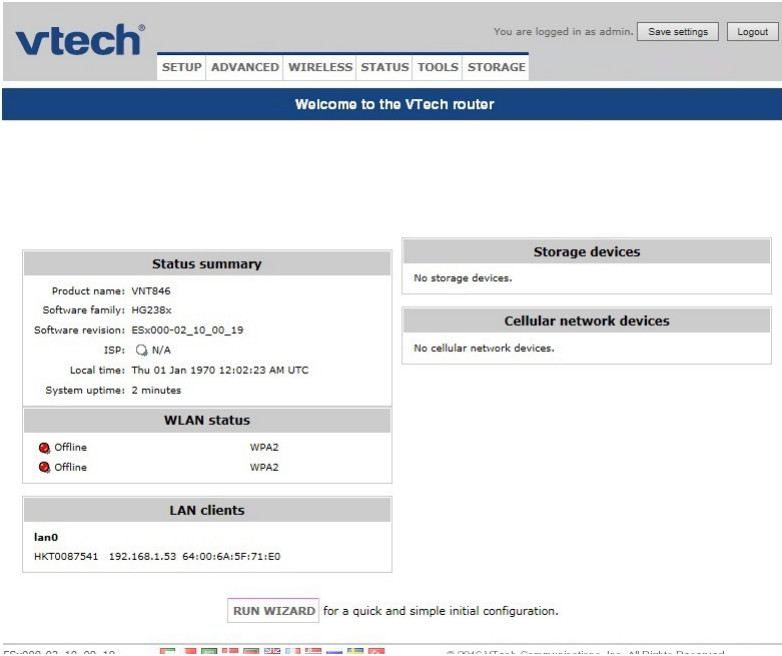


- **SETUP**: The **SETUP** menu allows you to configure the basic functions of the router.
- **ADVANCED**: The **ADVANCED** menu allows you to configure the advanced functions of the router.
- **WIRELESS**: The **WIRELESS** menu allows you to configure the Wi-Fi settings of the router.
- **STATUS**: The **STATUS** menu allows you to view the information and statistics of the router.
- **TOOLS**: The **TOOLS** menu allows you to change the administrator account settings and ping parameters.
- **STORAGE**: The **STORAGE** menu allows you to configure the server storage settings.

# Appendix
## Frequently asked questions

Below are the questions most frequently asked about the router. If you cannot find the answer to your question, visit our website at **businessphones.vtech.com** or call **1 (888) 370-2006** for customer service.

**My router does not work.**

- Make sure you install the router properly, and the electrical outlet is not controlled by a wall switch.
- Make sure the router is powered on and the ⏻ light is on.

**My router cannot load data from the Internet.**

- Make sure you connect the WAN port properly. DO NOT mix up the WAN port with LAN ports.
- Use a narrow-pointed object to press and hold the RESET button, and then wait for a while for the router to restart. Observe the ⊕ WAN light, it flashes when the router receives data.
  **NOTE:** After the router resets to default settings, use the default user name and password to login to the web management page.
- Disconnect the Ethernet cable from the router and connect it to a different router. If there is no signal on that router either, the problem is in your wiring or local service. Contact your Internet service provider.
- Your Ethernet cable might be defective. Try installing a new one.

**How do I restore my router to its factory default settings?**

- When the router is powered on, Use a narrow-pointed object to press and hold the RESET button, and then wait for a while for the router to restart.

**What can I do if I forgot my password?**

- Restore the router to factory default settings. Then, use the default user name and password to login to the web management page.

**What can I do if my Ethernet devices cannot obtain IP addresses?**

- Make sure you install the router and connect it with your Ethernet devices properly. See **Connect your system** on page 4 for details.
- If you have more than four Ethernet devices,  Use a narrow-pointed object to press and hold the RESET button, and then wait for a while for the router to restart.

# Appendix
## FCC part 15

This equipment has been tested and found to comply with the requirements for a Class B digital device under Part 15 of the Federal Communications Commission (FCC) rules. These requirements are intended 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.

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

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.

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment.

Caution: To maintain the compliance with the FCC's RF exposure guideline, place the router at least 20cm from nearby persons.

# Appendix
## For cETL compliance only

## Mesures de sécurité importantes

Lorsque vous utilisez votre appareil, vous devriez toujours suivre certaines mesures de précaution de base afin de réduire les risques d'incendie, d'électrocution et de blessures corporelles, dont ceux qui suivent :

### Information relative à la sécurité

1.  Lisez et comprenez bien toutes les instructions.

2.  N'utilisez pas cet appareil près de l'eau ni de toute autre source d'humidité, par exemple, près d'une baignoire, cuve à lessive, évier de cuisine, dans un sous-sol humide ni près d'une piscine, dans un soussol humide ou une douche.

3.  Ne déposez pas ce téléphone sur un chariot, support ou table chancelants. L'appareil pourrait tomber et être sérieusement endommagé.

4.  **MISE EN GARDE :** N'utilisez que les adaptateurs inclus avec ce produit. L'utilisation d'un adaptateur dont la polarité ou la tension serait inadéquate risque d'endommager sérieusement le produit et mettre votre sécurité en péril.
    Adaptateur : Entrée 100-240V CA 800 mA 50/60 Hz; Sortie : 12 V CC 2000 mA

5.  Lorsqu'ils sont branchés dans une prise de courant, les adaptateurs secteur ont été conçus pour être orientés correctement, soit à la verticale ou au plancher. Les broches n'ont pas été conçues pour supporter le poids du bloc d'alimentation et le maintenir en place si celuici est branché dans une prise au plafond, sous une table ou dans un meuble.

6.  Pour les PRODUITS À BRANCHER À UNE PRISE DE COURANT, la prise de courant doit être installée près du produit, afin d'assurer une accessibilité sécuritaire à la prise de courant.

7.  Débranchez ce produit de la prise de courant avant de procéder au nettoyage. N'utilisez pas de nettoyants en aérosols. Utilisez un chiffon humide pour le nettoyer.

8.  Ne coupez pas les cordons d'alimentation pour remplacer les fiches, car ceci peut présenter un danger potentiel.

9.  Ne laissez aucun objet reposer ni appuyer sur le cordon d'alimentation. N'installez pas cet appareil dans un endroit où l'on risque d'écraser le cordon d'alimentation ou de le piétiner.

10. Ne faites fonctionner cet appareil qu'avec le type d'alimentation indiqué sur l'étiquette. Si vous ne connaissez pas le type d'alimentation que vous possédez à votre domicile, consultez votre marchand ou votre compagnie locale d'électricité.

11. Ne surchargez pas les prises de courant murales ni les rallonges électriques.

12. Les trous et ouvertures du boîtier, situés à l'arrière de l'appareil ou sous celui-ci, servent à aérer l'appareil. Pour l'empêcher de surchauffer, ne bloquez sous aucun prétexte ces ouvertures et n'empêchez pas l'aération adéquate de l'appareil en le plaçant sur un lit, divan, tapis ou toute autre surface similaire. De même, ne le positionnez pas à proximité ni au-dessus d'une source de chaleur ou d'un calorifère. De plus, ne placez pas l'appareil dans un endroit avant de vous assurer qu'il y ait une bonne circulation d'air.

13. N'enfoncez jamais d'objets à travers les ouvertures de cet appareil, car ils pourraient entrer en contact avec des points de tension dangereux ou causer des courts-circuits qui peuvent dégénérer en incendies ou en risques d'électrocution. Ne renversez jamais de liquide dans ce produit.

14. Afin de réduire les risques d'électrocution, ne démontez pas cet appareil, mais apportez-le dans un centre de service autorisé. L'ouverture du boîtier ou le retrait de toutes pièces que contient cet appareil, à l'exception de l'accès autorisé à certaines portes ou ouvertures, risque de vous exposer à des points de tension dangereux ou d'autres dangers. Un remontage incorrect peut par la suite présenter des risques d'électrocution.

15. Examinez les composantes afin de vérifier si celles-ci ne sont pas endommagées.

## CONSERVEZ CES INSTRUCTIONS

# Appendix
## For cETL compliance only

**Champs électromagnétiques (EMF)**

Ce produit de VTech est conforme à toutes les normes se rapportant aux champs électromagnétiques (EMF) standard. Si vous le manipulez correctement en suivant les instructions de ce guide, son utilisation sera sécuritaire pendant de nombreuses années, selon les meilleures évidences scientifiques dont nous disposons aujourd'hui.

# Appendix
## Limited warranty

**1. What does this limited warranty cover?**

The manufacturer of this VTech product warrants to the holder of a valid proof of purchase ("CONSUMER" or "you") that the product and all accessories provided in the sales package ("PRODUCT") are free from defects in material and workmanship, pursuant to the following terms and conditions, when installed and used normally and in accordance with the PRODUCT operating instructions. This limited warranty extends only to the CONSUMER for products purchased and used in the United States of America and Canada.

**2. What will VTech do if the PRODUCT is not free from defects in materials and workmanship during the limited warranty period ("materially defective PRODUCT")?**

During the limited warranty period, VTech's authorized service representative will repair or replace at VTech's option, without charge, a materially defective PRODUCT. If we repair the PRODUCT, we may use new or refurbished replacement parts. If we choose to replace the PRODUCT, we may replace it with a new or refurbished PRODUCT of the same or similar design. We will retain defective parts, modules, or equipment. Repair or replacement of the PRODUCT, at VTech's option, is your exclusive remedy. VTech will return repaired or replacement products to you in working condition. You should expect the repair or replacement to take approximately 30 days.

**3. How long is the limited warranty period?**

The limited warranty period for the PRODUCT extends for TWO (2) YEARS from the date of purchase. If VTech repairs or replaces a materially defective PRODUCT under the terms of this limited warranty, this limited warranty also applies to repaired or replacement PRODUCT for a period of either (a) 90 days from the date the repaired or replacement PRODUCT is shipped to you or (b) the time remaining on the original two-year limited warranty; whichever is longer.

**4. What is not covered by this limited warranty?**

This limited warranty does not cover:

- PRODUCT that has been subjected to misuse, accident, shipping or other physical damage, improper installation, abnormal operation or handling, neglect, inundation, fire, water, or other liquid intrusion; or
- PRODUCT that has been damaged due to repair, alteration, or modification by anyone other than an authorized service representative of VTech; or
- PRODUCT to the extent that the problem experienced is caused by signal conditions, network reliability or cable or antenna systems; or
- PRODUCT to the extent that the problem is caused by use with non-VTech accessories; or
- PRODUCT whose warranty/quality stickers, PRODUCT serial number plates or electronic serial numbers have been removed, altered or rendered illegible; or
- PRODUCT purchased, used, serviced, or shipped for repair from outside the United States of America or Canada, or used for commercial or institutional purposes (including but not limited to products used for rental purposes); or
- PRODUCT returned without a valid proof of purchase (see item 6 on the next page); or
- Charges for installation or setup, adjustment of customer controls, and installation or repair of systems outside the unit.

# Appendix
## Limited warranty

**5. How do you get warranty service?**
To obtain warranty service, visit **businessphones.vtech.com** or call **1 (888) 370-2006**.

NOTE: Before calling for service, please review the user's manual; a check of the PRODUCT's controls and features may save you a service call.

Except as provided by applicable law, you assume the risk of loss or damage during transit and transportation and are responsible for delivery or handling charges incurred in the transport of the PRODUCT(s) to the service location. VTech will return repaired or replaced PRODUCT under this limited warranty to you. Transportation, delivery or handling charges are prepaid. VTech assumes no risk for damage or loss of the PRODUCT in transit. If the PRODUCT failure is not covered by this limited warranty, or proof of purchase does not meet the terms of this limited warranty, VTech will notify you and will request that you authorize the cost of repair prior to any further repair activity. You must pay for the cost of repair and return shipping costs for the repair of products that are not covered by this limited warranty.

**6. What must you return with the PRODUCT to get warranty service?**
You must:
- Return the entire original package and contents including the PRODUCT to the VTech service location along with a description of the malfunction or difficulty; and
- Include a "valid proof of purchase" (sales receipt) identifying the PRODUCT purchased (PRODUCT model) and the date of purchase or receipt; and
- Provide your name, complete and correct mailing address, and telephone number.

**7. Other limitations**

This warranty is the complete and exclusive agreement between you and VTech. It supersedes all other written or oral communications related to this PRODUCT. VTech provides no other warranties for this PRODUCT. The warranty exclusively describes all of VTech's responsibilities regarding the PRODUCT. There are no other express warranties. No one is authorized to make modifications to this limited warranty and you should not rely on any such modification.

State/Provincial Law rights: This warranty gives you specific legal rights, and you may also have other rights which vary from state to state or province to province.

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## Please retain your original sales receipt as proof of purchase.

# Appendix
## Technical specifications

| | |
|---|---|
| Operating temperature | 34°F - 104°F |
| | 0°C - 40°C |
| Power requirements | Input: 100-240V AC 800mA 50/60Hz |
| | Output: 12V DC 2000mA |
| Network Ethernet ports | 10/100 Mbps RJ-45 Port |

# Index

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