

User's Manual

1200Mbps 802.11ac Dual-Band Wireless Gigabit Router

WDRT-1202AC





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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 FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a r esidential 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:

- 1. Reorient or relocate the receiving antenna.
- 2. Increase the separation between the equipment and receiver.
- 3. Plug the equipment into an outlet on a circuit different from that to which the receiver is connected.
- 4. Consult the dealer or an experienced radio technician for help.

FCC Caution:

To assure continued compliance, for example, use only shielded interface cables when connecting to computer or peripheral devices. Any changes or modifications 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
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Federal Communication Commission (FCC) Radiation Exposure Statement

This equipment complies with FCC radiation exposure set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 20 cm (8 inches) during normal operation.

CE Compliance Statement

This device meets the RED directive 2014/53/EU of EU requirements on the limitation of exposure of the general public to electromagnetic fields by way of health protection.

The device complies with RF specifications when the device used at 20 cm from your body.

Safety

This equipment is designed with the utmost care for the safety of those who install and use it. However, special attention must be paid to the dangers of electric shock and static electricity when working with electrical equipment. All guidelines of this and of the computer manufacture must therefore be allowed at all times to ensure the safe use of the equipment.

National Restrictions

This device is intended for home and office use in all EU countries (and other countries following the EU directive 2014/53/EU) without any limitation except for the countries mentioned below:

Country	Restriction	Reason/remarks
Dulgaria	None	General authorization required for outdoor use and
Биідапа	none	public service.
	Outdoor use limited to 10	Military Radiolocation use. Refarming of the 2.4 GHz
France	mW e.i.r.p. within the band	band has been ongoing in recent years to allow current
	2454-2483.5 MHz	relaxed regulation. Full implementation planned 2012.
Italy	Nono	If used outside of own premises, general authorization is
	none	required.
Luxombourg	Nono	General authorization required for network and service
Luxembourg	none	supply (not for spectrum)
Norway	Implemented	This subsection does not apply for the geographical area
	Implementeu	within a radius of 20 km from the centre of Ny-Ålesund.
Russian Federation	None	Only for indoor applications

WEEE regulation

To avoid the potential effects on the environment and human health as a result of the presence of



hazardous substances in electrical and electronic equipment, end users of electrical and electronic equipment should understand the meaning of the crossed-out wheeled bin symbol. Do not dispose of WEEE as unsorted municipal waste; WEEE should be collected separately.

Revision

User Manual of PLANET 1200Mbps 802.11ac Dual Band Wireless Gigabit Router

Model: WDRT-1202AC

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Chapter 1. Product Introduction

1.1 Package Contents

Thank you for choosing PLANET WDRT-1202AC. Before installing the router, please verify the contents inside the package box.



12V DC, 1.5A

Ethernet Cable

01

Barr



RJ45 Cable



If there is any item missing or damaged, please contact the seller immediately.

1.2 Product Description

Amazing Next-generation Wireless High-speed Connection

PLANET WDRT-1202AC Wireless Broadband Router supports IEEE 802.11a/b/g/n/ac standard, dual band, and Gigabit LAN and WAN, thus providing the wireless speed of **867Mbps** in the 5GHz frequency band and **300Mbps** in the 2.4GHz frequency band at the same time, which is 16 times faster than that of the traditional 11g access point. With its outstanding stability of high-speed wireless transmission and enhanced reliability, the WDRT-1202AC can provide users with excellent multimedia streaming through their mobile devices anywhere, anytime in the home and office.



Use of 5GHz Band is Current Trend

Since the 2.4GHz band is now too crowded with users using the high-speed wireless connection for more and more wireless applications, the 5GHz band, currently in great demand, is designed to relieve the situation. In order to avoid the wireless interference between the two bands, PLANET WDRT-1202AC provides users with the radio frequency of 5GHz for watching HD videos or playing online games while the 2.4GHz band is used for surfing the Internet. The WDRT-1202AC is just like 2 totally independent Access Points in one device for you.



Gigabit LAN Throughput Boosts Network Traffic

Improving communication speed is one of the major requirements of today's Gigabit local area networks. With throughput up to 10 times faster than the existing 100Mbps solution, the WDRT-1202AC fully employs the full functionality of the 802.11ac wireless standards, eliminating the bottleneck of the transmission speed of the megabit wired type. Using the WDRT-1202AC to connect your desktop, NAS, media player and game console guarantees extremely high throughput and excellent signal quality.

Powerful Firewall and Complete Access Control Functions

The WDRT-1202AC supports NAT function allowing multiple users to access Internet via a single legal IP. It also provides Port Forwarding for the specific LAN PC to act as an application server and offer certain service to the clients on the Internet. In addition, the powerful firewall protects your Intranet clients from unauthorized accesses and various kinds of DoS attacks from the Internet. The WDRT-1202AC with MAC-based access control allows or denies wireless client connections to prevent possible hackers' attack.

Home DLNA Media Server over USB File Sharing

The WDRT-1202AC has a built-in USB port which can be connected to an external USB storage device for file sharing. Moreover, the DLNA (Digital Living Network Alliance) compliant media server feature allows multimedia contents, such as streaming videos, music and photos, to be easily shared among SmartTVs, tablets, mobile phones and laptops on a home network. Thus, all clients on the network can share mass storage through the WDRT-1202AC without complicated network configuration. Via the USB port, it also can output 5V DC power to charge any USB compliant devices.



1.3 Product Features

IEEE Compliant Wireless LAN and Wired LAN

- Compliant with IEEE 802.11a/b/g/n/ac dual band [2.4G (300Mbps) and 5G (867Mbps)] wireless technology
- Equipped with all Gigabit RJ45 ports (10/100/1000Mbps) like 1 WAN and 4 LAN ports, and auto MDI/MDI-X

Fixed Network Broadband Router

- Supports WAN connection types: DHCP, static IP, PPPoE, PPTP, L2TP, DS Lite
- Supports PLANET DDNS and DHCP Servers

Comprehensive Wireless Advanced Features

- Supports guest SSID to allow users to access different networks through one single AP
- Supports WMM (Wi-Fi Multimedia) and wireless QoS to enhance the efficiency of multimedia application
- Supports 3-level Transmitting Power Control to adapt various environments
- Self-healing (Schedule Reboot) mechanism for reliable connection

Secure Network Connection

- Supports Wi-Fi Protected Setup (WPS)
- Support WPA/WPA2 wireless security encryption
- Supports NAT firewall, IP / URL-based access control and MAC address filtering

Advanced Networking Function for Specific Application

- Supports Bandwidth Control (QoS) based on different local IP addresses
- Supports NTP, Port Forwarding, UPnP and DMZ for various networking applications
- Supports USB storage and DLNA combination, convenient HD media sharing

Easy Installation and Management

- Web-based UI and Quick Setup Wizard for easy configuration
- Remote Management allows configuration from a remote site
- System status monitoring includes DHCP Client List and System Log

1.4 Product Specifications

Dreduct	WDRT-1202AC			
Product	1200Mbps 802.11ac Dual Band Wireless Gigabit Router			
Hardware Specifications				
	WAN Port:	1 x 10/100/1000 Mbps auto MDI/MDI-X RJ45 port		
Interface	LAN Port:	LAN Port: 4 x 10/100/1000 Mbps auto MDI/MDI-X RJ45 port (LAN1~4)		
	USB Port:	1 x USB 2.0, Type A, 5V 500mA		
Antonna	Osiai	2.4GHz: 2 x 5dBi external antenna		
Antenna	Gain:	5GHz: 2 x 5dBi external antenna		
Dutton	1 x reset button			
Button	1 x WPS/Wi-	Fi button		
	PWR x 1			
LED Indicators	WLAN (2.4G	Hz & 5GHz) x 2		
	WAN x 1			
	WPS x 1			
Material	Plastic			
Dimensions (W x D x H)	250 x 185 x 3	38 mm (W x D x H)		
Weight	322g			
Power Requirement	12V DC, 1.5A			
Power Consumption	10W			
Wireless Interface Specifica	ations			
	IEEE 802.11ac 5GHz			
Standard	IEEE 802.11a/n 5GHz			
	IEEE 802.11D/g/n 2.4GHZ			
Frequency Band				
	802.11ac: OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM)			
Modulation Type	802.11a/g/n: OFDM (BPSK / QPSK / 16QAM / 64QAM)			
	802.110: DSSS (DBPSK / DQPSK / CCK)			
Data Rates	2.4GHz up to 300Mbps			
	5GHz up to 867Mbps			
	2.4GHz			
	FCC (America): 2.412~2.462GHz (11 Channels)			
	ETSI (Euro	ope): 2.412~2.472GHz (13 Channels)		
Channel	5GHz			
	5.180-5.240GHz, 5.745-5.825GHz (up to 9 channels)			
	*The actual channels in application will vary depending on the regulation			
	in different r	egions and countries.		
Channel Width	802.11ac: 20/40/80MHz			
	802.11n: 20/4	iUMHZ		
Max. RF Power / EIRP	2.4GHz: < 20	Jasm		
	5GHz: < 20d	Bm		
Receive Sensitivity	2.4GHz			
	11b (11Mb	ps): -85dBm		

	11g (54Mbps): -70dBm		
	11n (20M) mode: -70dBm		
	11n (40M) mode: -68dBm		
	5GHz		
	11a: -74dBm		
	11n (20M) mode: -70dBm		
	11n (40M) mode: -67dBm		
	11ac (20M) mode: -67dBm		
	11ac (40M) mode: -61dBm		
	11ac (80M) mode: -57dBm		
Transmit Power Control	Low, Medium, High		
Wireless Management Feat	ures		
Encryption Security	WPA/WPA2 personal mixed mode		
Minalaga Casurity	Wireless MAC address filtering		
wireless Security	Supports WPS (Wi-Fi Protected Setup)		
Wireless Advensed	Supports dual-SSID (2.4G and 5G)		
wireless Advanced	Supports guest network		
May Cumperted Clients	2.4GHz wireless: 32		
max. Supported Clients	5GHz wireless: 32		
Router Features			
	Shares data and Internet access for users supporting the following Internet		
	charge data and internet decees for decirc, capperting the fenering internet		
	accesses:		
	accesses: ■ DHCP		
Internet Connection Type	accesses: DHCP Static IP		
Internet Connection Type	accesses: DHCP Static IP PPPoE		
Internet Connection Type	accesses: DHCP Static IP PPPoE PPTP		
Internet Connection Type	accesses: DHCP Static IP PPPoE PPTP L2TP		
Internet Connection Type	accesses: DHCP Static IP PPPoE PPTP L2TP DS Lite		
Internet Connection Type	accesses: DHCP Static IP PPPoE PPTP L2TP DS Lite NAT firewall, SPI firewall		
Internet Connection Type	accesses: DHCP Static IP PPPoE PPTP L2TP DS Lite NAT firewall, SPI firewall Built-in NAT server which supports Port Forwarding and DMZ		
Internet Connection Type	accesses: DHCP Static IP PPPoE PPTP L2TP DS Lite NAT firewall, SPI firewall Built-in NAT server which supports Port Forwarding and DMZ Built-in firewall with URL filtering, and MAC address filtering		
Internet Connection Type Firewall	 accesses: DHCP Static IP PPPoE PPTP L2TP DS Lite NAT firewall, SPI firewall Built-in NAT server which supports Port Forwarding and DMZ Built-in firewall with URL filtering, and MAC address filtering Built-in DHCP server supporting static IP address distribution 		
Internet Connection Type Firewall LAN	 accesses: DHCP Static IP PPPoE PPTP L2TP DS Lite NAT firewall, SPI firewall Built-in NAT server which supports Port Forwarding and DMZ Built-in firewall with URL filtering, and MAC address filtering Built-in DHCP server supporting static IP address distribution Supports packet statistics 		
Internet Connection Type Firewall LAN	 accesses: DHCP Static IP PPPoE PPTP L2TP DS Lite NAT firewall, SPI firewall Built-in NAT server which supports Port Forwarding and DMZ Built-in firewall with URL filtering, and MAC address filtering Built-in DHCP server supporting static IP address distribution Supports packet statistics Samba 		
Internet Connection Type Firewall LAN USB Sharing	accesses: DHCP Static IP PPPoE PPTP L2TP DS Lite NAT firewall, SPI firewall Built-in NAT server which supports Port Forwarding and DMZ Built-in firewall with URL filtering, and MAC address filtering Built-in DHCP server supporting static IP address distribution Supports packet statistics Samba DLNA media server		
Internet Connection Type Firewall LAN USB Sharing	accesses: DHCP Static IP PPPoE PPTP L2TP DS Lite NAT firewall, SPI firewall Built-in NAT server which supports Port Forwarding and DMZ Built-in firewall with URL filtering, and MAC address filtering Built-in DHCP server supporting static IP address distribution Supports packet statistics Samba DLNA media server Web-based (HTTP) management interface		
Internet Connection Type Firewall LAN USB Sharing	accesses: DHCP Static IP PPPoE PPTP L2TP DS Lite NAT firewall, SPI firewall Built-in NAT server which supports Port Forwarding and DMZ Built-in firewall with URL filtering, and MAC address filtering Built-in DHCP server supporting static IP address distribution Supports packet statistics Samba DLNA media server Web-based (HTTP) management interface Remote management (WAN Access Control)		
Internet Connection Type Firewall LAN USB Sharing	accesses: DHCP Static IP PPPoE PPTP L2TP DS Lite NAT firewall, SPI firewall Built-in NAT server which supports Port Forwarding and DMZ Built-in firewall with URL filtering, and MAC address filtering Built-in DHCP server supporting static IP address distribution Supports packet statistics Samba DLNA media server Web-based (HTTP) management interface Remote management (WAN Access Control) Supports UPnP, PLANET DDNS		
Internet Connection Type Firewall LAN USB Sharing System Management	accesses: DHCP Static IP PPPoE PPTP L2TP DS Lite NAT firewall, SPI firewall Built-in NAT server which supports Port Forwarding and DMZ Built-in firewall with URL filtering, and MAC address filtering Built-in DHCP server supporting static IP address distribution Supports packet statistics Samba DLNA media server Web-based (HTTP) management interface Remote management (WAN Access Control) Supports UPnP, PLANET DDNS SNTP synchronization		
Internet Connection Type Firewall LAN USB Sharing System Management	accesses: DHCP Static IP PPPoE PPTP L2TP DS Lite NAT firewall, SPI firewall Built-in NAT server which supports Port Forwarding and DMZ Built-in firewall with URL filtering, and MAC address filtering Built-in DHCP server supporting static IP address distribution Supports packet statistics Samba DLNA media server Web-based (HTTP) management interface Remote management (WAN Access Control) Supports UPnP, PLANET DDNS SNTP synchronization System log		
Internet Connection Type Firewall LAN USB Sharing System Management	accesses: DHCP Static IP PPPoE PPTP L2TP DS Lite NAT firewall, SPI firewall Built-in NAT server which supports Port Forwarding and DMZ Built-in firewall with URL filtering, and MAC address filtering Built-in DHCP server supporting static IP address distribution Supports packet statistics Samba DLNA media server Web-based (HTTP) management interface Remote management (WAN Access Control) Supports UPnP, PLANET DDNS SNTP synchronization System log		

	IEEE 802.11n (2T2R, up to 300Mbps)	
	IEEE 802.11a	
	IEEE 802.11g	
	IEEE 802.11b	
	IEEE 802.11i	
	IEEE 802.3 10BASE-T	
	IEEE 802.3u 100BASE-TX	
	IEEE 802.3ab 1000BASE-T	
Other Protocols and		
Standards	CSMA/CA, CSMA/CD, TCP/IP, DHCP, ICMP, NAT, PPP0E, SNTP	
Regulatory	CE, RoHS, WEEE	
Environment		
Tomporatura	Operating: 0 ~ 40 degrees C	
Temperature	Storage: -40 ~ 70 degrees C	
Lumidity	Operating: 10 ~ 90% (non-condensing)	
numulty	Storage: 5 ~ 95% (non-condensing)	

Chapter 2. Hardware Installation

Please follow the instructions below to connect the WDRT-1202AC to the existing network devices and your computers.

2.1 Hardware Description

- Dimensions: 250 x 185 x 38 mm (W x D x H)
- Diagram :







Figure 2-2

2.1.1 Front LED

The front LED provides a simple interface monitoring the router. Figure 2-3 shows the front LED of the WDRT-1202AC.

Front LED





2.1.2 LED Indications

The LEDs on the front panel indicate instant status of port links, wireless data activity and system power, and help monitor and troubleshoot when needed. Figure 2-3 and Table 2-1 show the LED indications of the Wireless Router.

LED	STATE	FUNCTION	
DWD	On	Device power on	
PWK	Off	Device power off	
	On	The 2.4GHz Wi-Fi is activated.	
2.4GHz	Flash	Device is transmitting data wirelessly over 2.4GHz.	
	Off	The 2.4GHz Wi-Fi is disabled.	
	On	The 5GHz Wi-Fi is activated.	
5GHz	Flash	Device is transmitting data wirelessly over 5GHz.	
	Off	The 5GHz Wi-Fi is disabled.	
	On	Link is established.	
WAN	Flash	Packets are transmitting or receiving.	
	Off	WAN port is not connected.	
	On	USB connection is established.	
USB	Flash	Data is being transmitted.	
	Off	USB connection is not established.	

Table 2-1 LED Indications

2.1.3 Rear Panel

The rear panel provides the physical connectors connected to the power adapter and any other network device. Figure 2-4 shows the rear panel of the WDRT-1202AC.

Rear Panel



Figure 2-4 Rear Panel of the WDRT-1202AC

Interface	Description
WPS/WLAN	Press for 1 to 5 seconds to enable or disable WLAN function; press over 5 seconds to enable WPS function
Reset	Press the Reset button gently for 10 seconds and then release it. The system restores to the factory default settings
WAN	Connect to the Cable/xDSL Modem or the Ethernet
LAN1-4	Connect to the user's PC or network devices
Power	Connect to the power adapter provided in the package

Table 2-2 Interface Indications

Chapter 3. Connecting to the Router

3.1 System Requirements

- Broadband Internet Access Service (Cable/xDSL/Ethernet connection)
- One Cable/xDSL Modem that has an RJ45 connector (not necessary if the Router is connected directly to the Ethernet.)
- PCs with a working Ethernet Adapter and an Ethernet cable with RJ45 connectors
- PC subscribers use Windows XP, Windows Vista, Windows 7/8/10, MAC OS 9 or later, or Linux, UNIX or other platforms compatible with TCP/IP protocols
- The above PC is installed with a Web browser



The Router in the following instructions means PLANET WDRT-1202AC.
 It is recommended to use Internet Explorer 7.0 or above to access the Router.

3.2 Installing the Router

Before installing the Router, make sure your PC is connected to the Internet through the broadband service successfully at this moment. If there is any problem, please contact your local ISP. After that, please install the Router according to the following steps. Don't forget to pull out the power plug and keep your hands dry.

Step 1. Power off your PC, Cable/xDSL Modem and the Router.

Step 2. Locate an optimum location for the Router. The best place is usually at the center of your wireless network.

Step 3. Connect the PC or Switch/Hub in your LAN to the LAN Ports of the Router with Ethernet cable, shown in Figure 3-1.



Figure 3-1 Hardware Installation of the WDRT-1202AC Wireless Router

- **Step 4.** Connect the power adapter to the power socket on the Router, and the other end into an electrical outlet. Then power on the Router.
- **Step 5.** Power on your PC and Cable/xDSL Modem.

Chapter 4. Quick Installation Guide

This chapter will show you how to configure the basic functions of your Wireless Router using **Quick Setup** within minutes.



A computer with wired Ethernet connection to the Wireless Router is required for the first-time configuration.

4.1 Manual Network Setup - TCP/IP Configuration

The default IP address of the Wireless Router is **192.168.1.1** and the default Subnet Mask is **255.255.255.0**. These values can be changed as you desire in the web UI of the Wireless Router. In this section, we use all the default values for description.

Whether the Wireless Router is configured via wired or wireless connection, the PC needs to be assigned an IP address first. Before you connect the local PC to the Wireless Router via wired or wireless connection, please configure the IP address for your PC in the following two ways first.

- Obtaining an IP address automatically
- **Configuring the IP address manually**

In the following sections, we'll introduce how to install and configure the TCP/IP correctly in **Windows 7**. And the procedures in other operating systems are similar. First, make sure your Ethernet Adapter is working, and refer to the Ethernet adapter's manual if needed.

4.1.1 Obtaining an IP Address Automatically

Summary:

- 1. Set up the TCP/IP Protocol in "Obtain an IP address automatically" mode on your PC.
- 2. Then the Wireless Router built-in DHCP server will assign IP address to the PC automatically.

If you are sure the DHCP server of Wireless Router is enabled, you can set up the TCP/IP Protocol in "**Obtain an IP address automatically**" mode on your PC. And then the Wireless Router built-in DHCP server will assign an IP address to the PC automatically.

1. Installing TCP/IP Component

1) On the Windows taskbar, click the Start button, point to Control Panel, and then click it.

2) Under the Network and Internet icon, click on the View network status and tasks. And then click Change adapter settings.



Figure 4-1 Change Adapter Settings

()	Net	work and Internet 🔸 Network Connections 🕨	▼ ∮	Se	arch Ne	
Organize 🔻	Con	nect To Disable this network device »	<u>-</u>			0
Local Netwo Realte	Area ork ca k PCI	Connection ble unplugged e FE Family Controller WAN Miniport (PPTP)				
Wirele Not co	ess Ne	etwork Connection				
	© ©	Connect / Disconnect Status Diagnose Bridge Connections Create Shortcut Delete Rename				
[۲	Properties				

3) Right-click on the Wireless Network Connection, and select Properties in the appearing window.

Figure 4-2 Network Connection Properties

4) In the prompt window shown below, double-click on the Internet Protocol Version 4 (TCP/IPv4).

Wireless Network Connection Properties
Networking
Connect using:
Intel(R) Wireless WiFi Link 4965AGN
Configure
This connection uses the following items:
 Client for Microsoft Networks QoS Packet Scheduler File and Printer Sharing for Microsoft Networks A Reliable Multicast Protocol Internet Protocol Version 6 (TCP/IPv6) Internet Protocol Version 4 (TCP/IPv4) Internet Protocol Version 4 (TCP/IPv4) Ink-Layer Topology Discovery Mapper I/O Driver Ink-Layer Topology Discovery Responder
Install Uninstall Properties
Description Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.
OK Cancel

Figure 4-3 TCP/IP Setting

5) Choose **Obtain an IP address automatically**, and **Obtain DNS server address automatically** as shown in the figure below. Then click **OK** to save your settings.

Ceneral Alternate Conformation				
Vou can get IB gettings assigned autom	atically if		otwork	upporto
this capability. Otherwise, you need to for the appropriate IP settings.	ask your r	networ	k admin	istrator
Obtain an IP address automatically	/			
- Use the following IP address:				
IP address:				
S <u>u</u> bnet mask:				
Default gateway:				
Ohtain DNS conver address autom	atically			
Optimi DNS server address addin	esses:			
Preferred DNS server:				
Alternate DNS server:				
Validate settings upon exit			Adva	anced
		ОК		Cancel

Figure 4-4 Obtain an IP Address Automatically

4.1.2 Configuring the IP Address Manually

Summary:

- Set up the TCP/IP Protocol for your PC.
- Configure the network parameters. The IP address is 192.168.1.xxx ("xxx" is any number from 2 to 254), Subnet Mask is 255.255.255.0, and Gateway is 192.168.1.1 (The Router's default IP address)

If you are sure the DHCP server of Wireless Router is disabled, you can configure the IP address manually. The IP address of your PC should be 192.168.1.xxx (the same subnet of the IP address of the Wireless Router, and "xxx" is any number from 2 to 254), Subnet Mask is 255.255.255.0, and the Gateway is 192.168.1.1 (The default IP address of the Wireless Router)

1) Continue the settings from the last figure. Select Use the following IP address radio button.

- If the LAN IP address of the Wireless Router is 192.168.1.1, enter IP address 192.168.1.x (x is from 2 to 254), and Subnet mask 255.255.255.0.
- 3) Enter the LAN IP address of the Wireless Router (the default IP is 192.168.1.1) into the default gateway field.
- 4) Select **Use the following DNS server addresses** radio button. In the preferred DNS Server field, you can enter the DNS server IP address provided by your local ISP. Then click OK to save your settings.

Internet Protocol Version 4 (TCP/IP)	v4) Properties
General	
You can get IP settings assigned au this capability. Otherwise, you need for the appropriate IP settings.	utomatically if your network supports d to ask your network administrator
Obtain an IP address automatic	cally
Oge the following IP address:	
JP address:	192.168.1.200
Subnet mask:	255.255.255.0
Default gateway:	192.168.1.1
 Obtain DNS server address aut 	comatically
— Use the following DNS server a	addresses:
Preferred DNS server:	8.8.8.8
Alternate DNS server:	8 . 8 . 4 . 4
🔲 Vaļidate settings upon exit	Ad <u>v</u> anced
	OK Cancel

Figure 4-5 IP and DNS Server Addresses

Now, you can run the Ping command in the **command prompt** to verify the network connection between your PC and the Router. The following example is in **Windows 7** OS. Please follow the steps below:

- 1. Click on Start
- 2. Type "cmd" in the Search box.



Figure 4-6

- 3. Open a command prompt, and type ping **192.168.1.1**, and then press Enter.
 - If the result displayed is similar to Figure 4-7, it means the connection between your PC and the Router has been established well.



Figure 4-7 Successful Ping Command

If the result displayed is similar to Figure 4-8, it means the connection between your PC and the Router has failed.



Figure 4-8 Failed Ping Command

If the address is 0.0.0.0, check your adapter installation, security settings, and the settings on your router. Some firewall software programs may block a DHCP request on newly installed adapters.



If the Router's IP address is 192.168.1.1, your PC's IP address must be within the range of $192.168.1.2 \sim 192.168.1.254$.

4.2 Starting Setup in the Web UI

It is easy to configure and manage the WDRT-1202AC with the web browser.

Step 1. To access the configuration utility, open a web-browser and enter the default IP address http://192.168.1.1 in the web address field of the browser.



Figure 4-9 Login the Router

After a moment, a login window will appear. Enter **admin** for the User Name and Password, both in lower case letters. Then click the **Log In** button or press the **Enter** key.

PLANET	1200Mbps 802.11ac Dual Band Wireless Gigabit Router
	admin •••••
	Log In

Figure 4-10 Login Window

Default IP Address: 192.168.1.1

Default User Name: admin

Default Password: admin



If the above screen does not pop up, it may mean that your web-browser has been set to a proxy. Go to Tools menu>Internet Options>Connections>LAN Settings in the screen that appears, cancel the Using Proxy checkbox, and click OK to finish it.

After entering the user name and password, the **Wizard Setup** page screen appears as Figure 4-11.

Welcome	×
This wizard will guide you through a step-by-step process to configure your new device.	
Step 1: Configure Network settings	
Step 2: Configure WiFi settings	
Step 3: Set your router password	
Next	

Figure 4-11 WDRT-1202AC Web UI Screenshot

Step 2. Choose "Next" and you can configure the router by yourself.

Configure Your Internet Connection	~
se select your Internet connection type below:	
DHCP Connection (Dynamic IP Address)	
Choose this option if your Internet connection automatically provides you win Address. Most Cable Modems use this type of connection.	th an IP
Username/Password Connection (PPPoE)	
Choose this option if your Internet connection requires a username and pas online. Most DSL modems use this connection type of connection.	sword to get
Static IP Address Connection	
Choose this option if your Internet Service Provider provided you with IP Ad information that has to be manually configured.	ldress
Back	Next
	Configure Your Internet Connection se select your Internet connection type below: DHCP Connection (Dynamic IP Address) Choose this option if your Internet connection automatically provides you wi Address. Most Cable Modems use this type of connection. Username/Password Connection (PPPoE) Choose this option if your Internet connection requires a username and pas online. Most DSL modems use this connection type of connection. Static IP Address Connection Choose this option if your Internet Service Provider provided you with IP Ad information that has to be manually configured. Back

Figure 4-12 Configure the WAN setting.



Wi-Fi S	Settings	
To setup a Wi-Fi network you will need to give password.	e your Wi-Fi network a name(SSID) and	
2.4GHz Wi-Fi Network Name:	PLANET_2.4G_0556	
5GHz Wi-Fi Network Name:	PLANET_5G_0556	
The Wi-Fi Network Name is up to 32 charac using this Network Name (SSID).	ters. You will need to join your Wi-Fi netwo	ork
2.4GHz Wi-Fi Password:	12345678	
5GHz Wi-Fi Password:	12345678	
5GHz Wi-Fi Password: The password must contain at least 8 chara using this password.	12345678 cters. You will need to join your Wi-Fi netw	vork

Figure 4-13 Wi-Fi Settings



By default, your new device does not have a passwo the Web-based configuration utility. To secure your r below.	ord configured for administrator access to new device, please create a password
Device Admin Password:	
	- Providence

Figure 4-14 Device Admin Password



Figure 4-15 Wizard Configurations

Chapter 5. Configuring the Router

This chapter delivers a detailed presentation of router's functions and features under 4 main menus shown below, allowing you to manage the router with ease.



Figure 5-1 Router's Functions

5.1 Home

5.1.1 Internet

On this page, you can view information about the Internet status of the WDRT-1202AC, including MAC Address, Connection Type, Network Status, Connection Uptime, IP Address, Default Gateway, Primary DNS Server and Secondary DNS Server.



Figure 5-1-1 Router Status

The page includes the following information:

Object	Description	
MAC Address	The physical address of the router, as seen from the Internet.	
Connection Type	Indicating DHCP, PPPoE or Fixed IP.	
Network Status	It shows "Disconnected" when the WAN is not connected or "Connected" when the WAN is connected.	
Connection Uptime	It shows the uptime when the WAN is connected.	
IP Address The current Internet IP address. If assigned dynamically Internet connection exists, "Not Avaliable" will be shown.		
Default Gateway	The subnet mask associated with the Internet IP address.	
Primary DNS Server	It shows the necessary DNS address provided by your ISP.	
Secondary DNS Server	It shows the optional DNS address provided by your ISP.	

5.1.2 WDRT-1202AC

On this page, you can view information about the current LAN and Wi-Fi status of the WDRT-1202AC.

WDR	T-1202AC		
	IPv4 Network		Wi-Fi 2.4GHz
AC Address:	A8:F7:E0:00:05:56	Status:	UP
Router IP Address:	192.168.1.1	Wi-Fi Name (SSID):	PLANET_2.4G_0556
Subnet Mask:	255.255.255.0	Password:	12345678
	IPv6 Network		Wi-Fi 5GHz
Link-Local	FERD AFT-EDFE-FEDD-FER	Status:	UP
Address:	FEOU.AAFT.EUFF.FEUU.000	Wi-Fi Name	DIANET SC 0556
Router IPv6	Not Available	(SSID):	PLANE1_0G_0000
Address:	Not Available	Password:	12345678
DHCP-PD:			
Assigned Prefix:	/64		

Figure 5-1-2 Connected Clients

5.1.3 Connected Clients

This page shows the IP addresses and host names of all the PCs in your network

Connec	ted Clients		
ENM-SOLO			
PLANET	192.168.1.150		
IPv6			
IPV0			

Figure 5-1-3 Connected Clients

5.2 Settings

5.2.1 WAN

On this page, you can configure the parameters of the WAN interface.





This page is used to configure the parameters for Internet network which connects to the WAN port of your Access Point. Here you may change the access method to static IP,DHCP,PPPoE and other type, If you are unsure of your connection method, please contact your Internet Service Provider.





5.2.1.1. IPv4

■ DHCP

Choose "**Dynamic IP (DHCP)**" and the router will automatically obtain IP addresses, subnet masks and gateway addresses from your ISP.

IPv4	IPv6	VLAN
WAN Type:	Dynamic IP (DHCP)	~
		Advanced Settings>>>
Host Name:	WDRT-1202AC	
Primary DNS:		
Secondary DNS:		
MTU:	Auto	×.
MAC Address Clone:		<< MAC Address



Static IP

If your ISP offers you static IP Internet connection type, select "**Static IP** " and then enter IP address, subnet mask, primary DNS and secondary DNS information provided by your ISP in the corresponding fields.

IPv4	IPv6	(VLAN
VVAP	Type: Static IP	×	
IP Ac	idress.		
Subnet	Mask:		
Default.Ga	teway.		
Primar	V DNS:		
			Advanced Settings>>>
Secondar	/ DNS:		
	MTU: Auto	~	
MAC Address	Clone:	<< MAC Ac	tdress 🗸 🗸

Figure 5-2-3 Static IP
Object	Description
ID Addroso	Enter the WAN IP address provided by your ISP. Inquire your ISP if
IF Address	you are not clear.
Subnet Mask	Enter WAN Subnet Mask provided by your ISP.
Default Gateway	Enter the WAN Gateway address provided by your ISP.
Primary DNS	Enter the necessary DNS address provided by your ISP.
Secondary DNS	Enter the other DNS address if your ISP provides you with 2 such
Secondary DNS	addresses, and it is optional.
MTU	You can keep the maximum transmission unit (MTU) as default.

PPPoE

Select **PPPoE**, if your ISP is using a PPPoE connection and provide you with PPPoE user name and password information.

IPv4		IPv6	VLAN
	WAN Type:	PPPoE	~
	Usemame.]
	Password:		
Reco	onnect Mode:	On demand	
Maximi	um Idle Time:	5 minutes	
			Advanced Settings>>>
٨	ddress Mode:	Dynamic IP	
S	ervice Name:		
F	Primary DNS.]
Sec	ondary DNS:]
	MTU:	Auto	
MAC Ad	Idress Clone:		<< MAC Address

Figure 5-2-4 PPPoE

Object	Description			
Username	Enter the User Name provided by your ISP.			
Password	Enter the password provided by your ISP.			
Reconnect Mode	Select "Always On", "On demand" or "Manual".			
Maximum Idle Time	If you select "On demand", you can configure the time which is auto disconnecting to ISP.			
Address Mode	Select "Dynamic IP" or "Static IP"			
IP Address	Enter the IP Address.			
Service Name	Type the name of this router.			
Primary DNS Address	Enter the necessary DNS address provided by your ISP.			
Secondary DNS Address	Enter the other DNS address if your ISP provides you with 2 such addresses, and it is optional.			
МТО	You can keep the maximum transmission unit (MTU) as default.			

PPTP

The Point-to-Point Tunneling Protocol (PPTP) is a method for implementing virtual private networks (VPN).

IPv4	IPv6		VLAN
	WAN Type:	РРТР	
	PPTP Server.	IP or Domain name	
	Username:		
	Password:		
Rec	onnect Mode.	On demand	 A
Maxim	um Idle Time:	5 minutes	
			Advanced Settings>>>
A	ddress Mode:	Dynamic IP	*
,	Primary DNS.		
Sec	condary DNS:		
	MTU:	Auto	
		Save	

Figure 5-2-5 PPTP

Object	Description			
PPTP Server	Type the name of PPTP Server.			
Username	Enter the user name provided by your ISP.			
Password	Enter the password provided by your ISP.			
Reconnect Mode	Select "Always On", "On demand" or "Manual".			
Maximum Idle Time	If you select "On demand", you can configure the time which is auto disconnecting to ISP.			
Address Mode	Select "Dynamic IP" or "Static IP"			
PPTP IP Address	Enter the IP Address.			
PPTP Subnet Mask	Enter the subnet mask.			
PPTP Gateway IP Address	Enter the gateway address provided by your ISP.			
Primary DNS	Enter the necessary DNS address provided by your ISP.			
Secondary DNS	Enter the other DNS address if your ISP provides you with 2 such addresses, and it is optional.			
MTU	You can keep the maximum transmission unit (MTU) as default.			

■ L2TP

Layer 2 Tunneling Protocol (L2TP) is a tunneling protocol used to support virtual private networks (VPN) or as part of the delivery of services by ISPs.

IPv4	IPv6			VLAN
	WAN Type:	L2TP	~	l.
	L2TP Server:	1P or Domain na	ime	
	Usemame:			
	Password			
Re	connect Mode:	On demand	\sim	
Maxir	num Idle Time.	5	minutes	
c				Advanced Settings>>>
	Address Mode:	Dynamic IP	~	
	Primary DNS:			
Se	econdary DNS:			
	MTU	Auto	~	

Figure 5-2-6 L2TP

Object	Description			
L2TP Server	Type the name of L2TP Server.			
Username	Enter the user name provided by your ISP.			
Password	Enter the password provided by your ISP.			
Reconnect Mode	Select "Always On", "On demand" or "Manual".			
Maximum Idle Time	If you select "On demand", you can configure the time which is auto disconnecting to ISP.			
Address Mode	Select "Dynamic IP" or "Static IP"			
L2TP IP Address	Enter the IP Address.			
L2TP Subnet Mask	Enter the subnet mask.			
L2TP Gateway IP Address	Enter the gateway address provided by your ISP.			
Primary DNS	Enter the necessary DNS address provided by your ISP.			
Secondary DNS	Enter the other DNS address if your ISP provides you with 2 such addresses, and it is optional.			
МТО	You can keep the maximum transmission unit (MTU) as default.			

DS-Lite

IPv4	IPv6	VLAN
	WAN Type: DS-Lite	~
	-	Advanced Settings>>>
DS-L	ite Configuration: DS-Lite DHCPv6 Option	~
I	84 IPv4 Address: 192.0.0.	
VV/4	AN IPv6 Address: Not Available	
IPv6 WAN I	Default Gateway: Not Available	

Figure 5-2-7 DS-Lite

Object	Description			
DS-Lite Configuration	Select "DS-Lite DHCPv6 Option" or "Manual Configuration"			
AFTR IPv6 Address	Enter the AFTR IPv6 address.			
B4 IPv4 Address	Enter the B4 IPv4 address.			
WAN IPv6 Address	It shows the IPv6 WAN address if available.			
IPv6 WAN Gateway	It shows the IPv6 WAN gateway if available.			

5.2.1.2. IPv6

Auto Detection

IPv4	IPv6		V	VLAN	
My Internet Conr	My Internet Connection is:		Detection	×	
IPv6 DNS Settings					
C	ONS Type:	Obtai	n a DNS server address :	automatically 🔍 🗸	
LAN IPv6 Address Settings					
Enable D	HCP-PD:	~			
LAN IPv6 Link-Local	I Address;	FE80/	AAF7.E0FF.FE00:558		
					Advanced Settings>>>
Address Autoconfiguration Settings					
Enable Automatic IPv6 Address As	signment:	\sim			
Enable Automatic DHCP-P	D in LAN:	\checkmark			
Autoconfigura	ation Type:	SLAA	C+Stateless DHCP	×	
Router Advertisemen	t Lifetime:	60	minutes		

Figure 5-2-8 Auto Detection

Object	Description			
DNS Type	Select "Obtain a DNS server address automatically" or "Use the following DNS address".			
Enable DHCP-PD	Enable DHCP-PD.			
LAN IPv6 Address	Enter LAN IPv6 Address.			
Enable Automatic IPv6 Address Assignment	Enable "Automatic IPv6 Address Assignment" function.			
Enable Automatic DHCP-PD in LAN	Enable "Automatic DHCP-PD in LAN" function.			
Auto Configuration Type	Select "SLAAC+Stateless DHCP", "SLAAC+RDNSS" or "Stateful DHCPv6".			
Router Advertisement Lifetime	Default is 60 minutes.			
IPv6 Address Range (Start)	Enter the IPv6 Address range. Default is 1.			
IPv6 Address Range (End)	Enter the IPv6 Address range. Default is 99.			

Static IPv6

IPv4	IPv6	VLAN
My Internet Cor	mection is: Static IPv6	~
Use Link-Loca	al Address:	
1Pv	6 Address:	
Subnet Pre	afix Length:	
Defaul	t Gateway:	
Primary D	NS Server:	
Secondary D	NS Server:	
LAN IPv6 Address Settings		
LAN IPv	6 Address:	/84
LAN IPv6 Link-Loca	al Address. FE80.:4E6E.6EFF.FE9E.1E9B	
		Advanced Settings>>>



Object	Description
Use Link-Local Address	Enable " Use Link-Local Address".
IPv6 Address	Enter WAN IPv6 address.
Subnet Prefix Length	Enter subnet prefix length.
Default Gateway	Enter default gateway of the router.
Primary DNS Server	Enter primary IPv6 DNS server.
Secondary DNS Server	Enter secondary IPv6 DNS server.
LAN IPv6 Address	Enter LAN IPv6 Address.

■ Auto Configuration (SLAAC/DHCPv6)

IPv4		IPv6		V	LAN
My Internet	Connection is:	Auto Configuration (SLAW	C/DHCPv6)	~	
IPv6 DNS Settings					
	DNS Type:	Obtain a DNS server addr	ress automatically	~	
LAN IPv6 Address Settings					
Ena	ble DHCP-PD:	\sim			
LAN IPv6 Link-	Local Address:	FE80::4E6E:6EFF:FE9E:1E	9B		
					Advanced Settings>>
Address Autoconfiguration Settings					
Enable Automatic IPv6 Addres	s Assignment:	~			
Enable Automatic DH	CP-PD in LAN:	\checkmark			
Autocont	liguration Type.	SLAAC+Stateless DHCP		~	
Router Advertise	ement Lifetime:	30 minutes			

Figure 5-2-10 Auto Configuration

Object	Description
DNS Type	Select "Obtain a DNS server address automatically" or "Use the following DNS address".
Enable DHCP-PD	Enable DHCP-PD
LAN IPv6 Address	Enter LAN IPv6 Address.
Enable Automatic IPv6 Address Assignment	Enable "Automatic IPv6 Address Assignment" function.
Enable Automatic DHCP-PD in LAN	Enable "Automatic DHCP-PD in LAN" function.
Auto Configuration Type	Select "SLAAC+Stateless DHCP", "SLAAC+RDNSS" or "Stateful DHCPv6".
Router Advertisement Lifetime	Default is 60 minutes.
IPv6 Address Range (Start)	Enter the IPv6 Address range. Default is 1.
IPv6 Address Range (End)	Enter the IPv6 Address range. Default is 99.

PPPoE (IPv6)

IPv4		IPv6	VLAN
My Int	ernet Connection is:	PPPoE	×
	PPPoE Session:	Create a new session	~
	Username:	-	
	Password:		
	Address Mode:	Dynamic IP	×
	Service Name:		
	Reconnect Mode:	Always on	×.
	MTU:	1492 bytes	



Object	Description
PPPoE Session	Select "Share with IPv4" or "Create a new session"
Username	Enter the username of PPPoE IPv6
Password	Enter the password of PPPoE IPv6
Address Mode	Select "Dynamic IP" or "Static IP"
IP Address	Enter the IPv6 Address
MTU	You can keep the maximum transmission unit as default.

IPv6 in IPv4 tunnel

IPv4	IPv6	VLAN
My Internet C	onnection is. IPV6 in IPV4 tunnel	×
Remote IF	Pv4 Address.	
Remote IF	Pv6 Address:	
Local IF	Pv4 Address: Not Available	
Local IF	Pv6 Address:	
Subnet P	Prefix Length:	

Figure 5-2-12 IPv6 in IPv4 tunnel

Object	Description
Remote IPv4 Address	Enter the remote IPv4 address
Remote IPv6 Address	Enter the remote IPv6 address
Local IPv6 Address	Enter the local IPv6 Address
Subnet Prefix Length	Enter the subnet prefix length

■ 6to4

IPv4	IPv6	VLAN
My Internet Connection is:	6to4	~
6to4 Address:	Not Available	
6to4 Relay:	192.88.99.1	
Primary DNS Server		
Secondary DNS Server.		
LAN IPv6 Address Settings		
LAN IPv6 Address:	1 /64	
LAN IPv6 Link-Local Address:	FE80::4E6E:6EFF:FE9E:1E9B	l.

Figure 5-2-13 6to4

Object	Description
6to4 Relay	Enter the 6to4 relay
Primary DNS Server	Enter the primary DNS server
Secondary DNS Server	Enter the secondary DNS server
LAN IPv6 Address	Enter the LAN IPv6 Address

■ 6rd

IPv4	IPv6	VLAN
My Int	ernet Connection is: 6rd	~
	Assign IPv6 Prefix: Not Available	
P	rimary DNS Server:	
Sec	ondary DNS Server:	
frd Manual Configuration		
Enable He	ib and Spoke Mode: 🔽	
	6rd Configuration: Manual Configuration	×
	6rd IPv6 Prefix:	
	WAN IPv4 Address: /	

Figure 5-2-14 6rd

Object	Description
Primary DNS Server	Enter the primary DNS server
Secondary DNS Server	Enter the secondary DNS server
6rd Configuration	Select "6rd DHCP Option" or "Manual Configuration"
6rd IPv6 Prefix	Enter 6rd IPv6 prefix
WAN IPv4 Address	Enter the WAN IPv4 Address
6rd Border Relay IPv4 Address	Enter the 6rd border relay IPv4 address

5.2.1.3. VLAN

IPv4	IPv6	VLAN
VLAN		
	Enable: 🔽	
	Priority ID: 🔽	
	Internet VLAN ID:	Priority ID: 0

Figure 5-2-15 VLAN

Object	Description
Enable	Enable or disable VLAN
Priority ID	Enable priority ID to select priority from 0 to 7
Internet VLAN ID	Enter the VLAN ID between 0 and 4096
Priority	Select priority from 0 to 7

5.2.2 Wi-Fi

5.2.2.1. Wi-Fi

2.4GHz

Wi-Fi		Guest Network
2.4GHz Status:		
Wi-Fi Name (SSID)	PLANET_2.4G_0556	
Password:	12345678	
		Advanced Settings>>>
Security Mode:	WPA/WPA2-Personal	~
802.11 Mode:	Mixed 802.11b/g/n	×
Wi-Fi Country/Region:	United states	×
Wi-Fi Channel:	Auto	×
Transmission Power:	High	×
Channel Width:	Auto 20/40 MHz	~
HT20/40 Coexistence:		
Visibility Status:	Visible	×
Schedule:	Always Enable	×

Figure 5-2-16 2.4GHz Wi-Fi

Object	Description	
Status	You may choose to enable or disable Wireless function.	
Wi-Fi Name (SSID)	Set a nam e (SSID) for your wireless network. The ID of the wireless network. User can access the wireless network through it only. However, if you switch to Client Mode, this field becomes the SSID of the AP you want to connect with. Default: PLANET_2.4G_XXXX ("X" means the last 4 digits of the MAC address.)	
Password	Enter the Wi-Fi password	
Security Mode	Select the security mode from the Security Mode dropdown list. There are 2 options in the Security Mode dropdown list: None WPA/WPA2-Personal	
802.11 Mode	Set the wireless mode to which you need. Default is " Mixed 802.11b/g/n ". It is strongly recommended that you set the Band to "802.11b/g/n", and al I of 802.11b, 802.11g, and 802.11n wireless stations can connect to the WDRT-1202AC.	

Wi-Fi Country/Region	You may select the country close to you.	
Wi-Fi Channel	For an optimal wireless performance, you may select the least interferential channel. It is advisable that you select an unused channel or "Auto" to let device detect and select the best possible channel for your wireless network to operate on from the drop-down list.	
Transmission Power	Set the transmit power of router. The default is "High".	
Channel Width	Select a proper channel bandwidth to enhance wireless performance. When there are 11b/g and 11n wireless clients, please select the 802.11n mode of 20/40MHz frequency band.	
HT20/40 Coexistence	Default is disable	
Visibility Status	You may choose to visible or invisible SSID broadcast. When it is enabled, the router SSID will be b roadcast in the wireless network, so that it can be scanned by wireless clients and they can join the wireless network with this SSID.	
Schedule	Select "Always Enable" or configure the schedule for some devices to access.	

■ 5GHz

Ξ

Statue	1071		
Status.			
WI-H Name (SSID):	PLANE1_5G_0556		
Password	12345678		
			Advanced Settings>>>
Security Mode:	WPA/WPA2-Personal	~	
802.11 Mode.	Mixed 802.11a/n/ac	~	
Wi-Fi Country/Region:	United states	×	
Wi-Fi Channel:	Auto	~	
Transmission Power.	High	\sim	
Channel Width:	Auto 20/40/80 MHz	~	
Visibility Status.	Visible	×	
Schedule:	Always Enable	\sim	

Figure 5-2-17 5GHz Wi-Fi

Object	Description	
Status	You may choose to enable or disable Wireless function.	
Wi-Fi Name (SSID)	Set a name (SSID) for your wireless network. User can access the wireless network through the ID only. However, if you switch to client mode, this field becomes the SSID of the AP you want to connect with.	
	("X" means the last 4 digits of the MAC address.)	
Password	Enter the Wi-Fi password	
Security Mode	Select the security mode from the Security Mode dropdown list. There are 2 options in the Security Mode dropdown list: None WPA/WPA2-Personal	
802.11 Mode	Set the wireless mode to which you need. Default is " Mixed 802.11a/n/ac ". It is strongly recommended that you set the Band to "802.11a/n/ac", and all of 802.11a, 802.11n, and 802.11ac wireless stations can connect to the WDRT-1202AC.	
Wi-Fi Country/Region	You may select the country close to you.	
Wi-Fi Channel	For an optimal wireless performance, you may select the least interferential channel. It is advisable that you select an unused channel or " Auto " to let device detect and select the best possible channel for your wireless network to operate on f rom the drop-down list.	
Transmission Power	Set the transmit power of router. The default is "High".	
Channel Width	Select a proper channel bandwidth to enhance wireless performance. When there are 11a/n and 11ac wireless clients, please select the 20/40/80MHz frequency band.	
Visibility Status	You may choose to visible or invisible SSID broadcast. When it is enabled, the router SSID will be b roadcast in the wireless network, so that it can be scanned by wireless clients and they can join the wireless network with this SSID.	
Schedule	Select "Always Enable" or configure the schedule for some devices to access.	

Wi-Fi Protected Setup (WPS)

WPS (**Wi-Fi Protected Setup**) is designed to ease setup of security Wi-Fi networks and subsequently network management. The WPS enables the PC with WPS function to connect to the wireless network of the AP without setting any parameters, such as SSID, security mode, or password.



Wi-Fi Protected Setup		
	WPS-PBC Status:	\checkmark
		Save

Figure 5-2-18 WPS

5.2.3 LAN

Network Settings			
	LAN IP Address:	192.168.1.1	
	Subnet Mask:	255.255.255.0	
	Local Domain Name:		
	Enable DNS Relay:	\checkmark	
	Enable Secondary LAN IP Address:		
			Advanced Settings>>>
DHCP Server			
	Status:	\checkmark	
	IP Address Range.	192.168.1. 100 to 192.168.1. 199	
	Lease Time:	10080 minutes	
	Always Broadcast		
Advanced Settings			
	WAN Port Speed.	Auto	
	UPnP:		
	IPv4 Multicast Streams:		
	IPv6 Multicast Streams:		

Figure 5-2-19 LAN

Object	Description	
	Router's LAN IP.	
LAN IP Address	The default is 192.168.1.1 . You can change it according to your	
	needs.	
Subnet Mask	Router's LAN subnet mask.	
Local Domain Name	Set the domain name of the server.	
Enable DNS Relay	Enable or disable the DNS relay.	
Enable Secondary LAN IP	Enable or disable secondary LAN IP address.	
Address	-	
DHCP Server Status	If it is selected, the router serves as the DHCP server and	
	automatically assigns IP addresses to all computers in the LAN.	
IB Addross Bango	Enter the start and end IP address of all the available successive	
	IPs.	
	Select the time for using one assigned IP from the dropdown list.	
Lease Time	After the lease time, the AP automatically assigns new IP	
	addresses to all connected computers.	
Alwaya Breadaast	This causes the DHCP server to respond to requests with a	
Always broadcast	broadcast instead of unicast.	

WAN Port Speed	Select "Auto", "1000Mbps", "100Mbps" or "10Mbps" from the drop-down list.	
	Enable or disable UPnP function.	
UPnP	UPnP can be enabled or disabled for automatic device configuration. The default setting for UPnP is enabled. If disabled, the router will not allow any device to automatically control the resources, such as port forwarding (mapping), of the router.	
IPv4 Multicast Streams	Enable or disable IPv4 multicast streams.	
IPv6 Multicast Streams	Enable or disable IPv6 multicast streams.	

5.2.4 USB

The WDRT-1202AC has a built-in USB port which can be connected to an external USB storage device for file sharing. Moreover, the DLNA (Digital Living Network Alliance) compliant media server feature allows multimedia contents, such as streaming videos, music and photos, to be easily shared among SmartTVs, tablets, mobile phones and laptops on a home network. Thus, all clients on the network can share mass storage through the WDRT-1202AC without complicated network configuration. Via the USB port, it also can output 5V DC power to charge any USB compliant devices.



DLNA Media Server		
	Status:	\checkmark
	DLNA Media Server:	WDRT-1202AC
Windows File Sharing (SAMBA)		
	Status:	
		Save

Figure 5-2-20 USB

Enable "Windows File Sharing" and connect a USB device to the USB port of the router. Click Run or Search Windows in the Start Menu of your PC and input the address of the router 192.168.1.1.



Figure 5-2-21 Search

You need to enter the user name and password, and then click **OK** to enter the following page.

Windows Security		×
Enter network crede	entials	
Enter your credentials to e	connect to: 192.168.1.1	
admin		
•••••		
Domain:		
Remember r	my credentials	
The user name or passwo	ord is incorrect.	
ОК	Cancel	

Figure 5-2-22 USB password

Find your storage device, and upload or download files.



5.3 Features

5.3.1 QoS

You can set the Internet access priority for the following conner	ctted clients.	
Download Speed (Mbps). Upload Speed (Mbps):	300 300	
Clients Info Unknown PLANET 192.168.1.150		Priority None



Object	Description
Download Speed	Set the download speed of your Internet access
Upload Speed	Set the upload speed of your Internet access
Priority	Select the priority from the drop-down list

5.3.2 Firewall

5.3.2.1. Advanced

Enable DMZ	
Enable SPI IPv4	
Enable Anti-spoof Checking	
IPv6 Simple Security	:
IPv6 Ingress Filtering	
	Advanced Settings>>>
Application Level Gateway (ALG) Settings	
PPTP	
IPSec (VPN)	
RTSP	
SIP	

Figure 5-3-2 Advanced

Object	Description
Enable DMZ	Enable or disable DMZ function
Enable SPI IPv4	Enable or disable SPI IPv4 function
Enable Anti-spoof Checking	Enable or disable Anti-spoof checking function
IPv6 Simple Security	Enable or disable IPv6 simple security function
IPv6 Ingress Filtering	Enable or disable IPv6 ingress filtering
РРТР	Enable or disable PPTP to pass through PPTP communication data.
IPSec (VPN)	Enable or disable IPSEC to pass through IPSEC communication data.
RTSP	Enable or disable RTSP function
SIP	Some SIP applications have specific schemes for firewall penetration, which may conflict with the SIP. In most cases, keep SIP enabled.

5.3.2.2. IPv4 Rules

Turn IPv4 Filtering OFF			~	
Nam	e	Schedule	Edit	Delete
Add Rule	Remaining: 24			

Figure 5-3-3 IPv4 Rules

Object	Description
	Select "Turn IPv4 Filtering OFF", "Turn IPv4 filtering ON and
Turn IPv4 Filtering OFF	ALLOW rules listed" or "Turn IPv4 Filtering ON and DENY rules
	listed".
Add Rule	Enter to add the rules.

Name:			
Source IP Address Range:	WAN	~	
Destination IP Address Range:	LAN	×	
Protocol & Port Range:	ТСР	~	
Schedule:	Always Enable	\sim	

Figure 5-3-4 Add IPv4 Rules

Object	Description
Name	Enter a name for the rule
Source IP Address Range	Select "WAN" or "LAN" and enter the source IP address
Destination IP Address Range	Select "WAN" or "LAN" and enter the destination IP address
Protocol & Port Range	Select "TCP", "UDP" or" Any"
Schedule	Select "Always Enable" or configure the schedule to activate the rule

Example

You can follow the configuration if you need only 192.168.1.150 to allow access.

Name:	test		
Source IP Address Range:	LAN	~	192.168.1.100-192.168.1.200
Destination IP Address Range:	WAN	~	0.0.0.0-255.255.255.255
Protocol & Port Range:	Any	~	
Schedule:	Always Enable	~	

Figure 5-3-5 IPv4 Rules example

5.3.2.3. IPv6 Rules

urn IPv6 Filterin	g OFF		\sim	
Nam	e	Schedule	Edit	Delete
Add Dule	Pomaining: 24			

Turn IPv6 Filtering OFF		
Turn IPv6 Filtering OFF	Edit	Delete
Turn IPv6 Filtering ON and ALLOW rules listed		ALCORNER D
Turn IPv6 Filtering ON and DENY rules listed		

Figure 5-3-6 IPv6 Rules

Object	Description
	Select "Turn IPv6 Filtering OFF", "Turn IPv6 filtering ON and
Turn IPv6 Filtering OFF	ALLOW rules listed" or "Turn IPv6 Filtering ON and DENY rules
	listed".
Add Rule	Enter to add the rules.

5.3.2.4. Parental Control

Status	Name	MAC Address	Schedule	Edit	Delete
Add Rule	Remaining: 24				

Turn Parental Co	ntrol on with BLOCK rules	~			
Tum Parental Co	ntrol on with BLOCK rules		Principal Control of C	19-20-	Datas
Turn Parental Co	ntrol on with ALLOW rules	MAC Address	schedule	Edit	Delete
Add Rule	Remaining: 24				

Figure 5-3-7 Parental Control

Object	Description
Turn Parental Control on	Select "Turn Parental Control on with BLOCK rules" or "Turn
with BLOCK rules	Parental Control on with ALLOW rules"
Add Rule	Enter to add the rules.

Add Rul	е			×
Name:				
MAC Address:			<< MAC Address	~
Schedule:	Always OFF	~		
		Apply		

Figure 5-3-8 Add Parental Control Rules

Object	Description
Name	Enter a name for the rule
MAC Address	Enter or select a MAC address
Schedule	Select "Always Enable" or configure the schedule to activate the rule

5.3.3 Port Forwarding

Status	Name	Local IP	Protocol	External Port	Internal Port	Schedule	Edit	Delete
Add Rule	Re	maining: 24						

Name:			<< Application Name	
Local IP:			<< Computer Name	
Protocol:	ТСР	~		
External Port:				
Internal Port:				
Schedule:	Always Enable	\sim		

Figure 5-3-9 Port Forwarding

Object	Description
Name	Enter or select an application name
Local IP	Enter or select a IP address
Protocol	Select "TCP", "UDP", "Both" or "Other"
External Port	Enter the external port
Internal Port	Enter the internal port
Port Number	Enter the port number
Schedule	Select "Always Enable" or configure the schedule to activate the rule

5.3.4 URL Filter

On this page, you can add rules of keyword to enable LAN users to allow or deny access to some websites.

DENY clients ac	cess to ONLY these sites	
Web Address		Delete
Add Rule	Remaining: 24	

DENY clients access to ONLY these sites	
Web Address	Delete
violent	
Add Rule Remaining 23	

Figure 5-3-10 URL Filter

5.3.5 Static Route

Static Route reduces route selection problems and corresponding data overload and accelerates data packet forwarding.

5.3.5.1. IPv4

		IPv4			IPv6			
Status	Name	Destination Network	Mask	Gateway	Metric	Interface	Edit	Delete
Add Route	e Re	maining 24						

Add Route		>
Name:		
Destination Network:		
Mask:		
Gateway:		
Metric:		
Interface:	WAN	
	Apply	

Figure 5-3-11 IPv4 Static Route

Object	Description	
Name	Enter a name for the service	
Destination Network	Enter the destination network	
Mask	Enter the network mask	
Gateway	Enter the network gateway	
Metric	Enter the routing metric	
Interface	Select the interface	

5.3.5.2. IPv6

IPv4			IPv6					
Status	Name	DestNetwork	Prefix Length	Gateway	Metric	Interface	Edit	Delete
Add Rou	ite Rem	naining: 24						

Name:		
DestNetwork:		
Prefix Length:		
Gateway:		
Metric:		
Interface:	WAN	

Figure 5-3-12 IPv6 Static Route

Object	Description		
Name	Enter a name for the service		
Destination Network	Enter the destination network		
Prefix Length	Enter the prefix length		
Gateway	Enter the network gateway		
Metric	Enter the routing metric		
Interface	Select "NULL", "WAN", "LAN" or "LAN(DHCP-PD) from the drop-down list		

5.3.6 Dynamic DNS

The Wireless Router supports **Dynamic Domain Name Service** (**DDNS**). The dynamic DNS service allows a dynamic public IP address to be associated with a static host name in any of the many domains, and allows access to a specified host from various locations on the Internet. Click a hyperlinked URL in the form of hostname.dyndns.org and allow remote access to a host. Many ISPs assign public IP addresses using DHCP, so locating a specific host on the LAN using the standard DNS is difficult. For example, if you are running a public web server or VPN server on your LAN, DDNS ensures that the host can be located from the Internet even if the public IP address changes. DDNS requires that an account be set up with one of the supported DDNS service providers

Dynamic DNS allows your router to associate an easy-to-remember domain name such as example.com with the regularly changing IP address assigned by the ISP.

Enable Dynamic DNS:	
Status:	Not Available

Figure 5-3-13 DDNS

Object	Description
Server Address	Select server from the drop-down list
Host Name	Enter the host name
User Name	Enter the user name
Password	Enter the password
Time Out	Enter the time out hours

PLANET DDNS

First of all, please go to <u>http://www.planetddns.com</u> to register a Planet DDNS account, and refer to the FAQ (<u>http://www.planetddns.com/index.php/faq</u>) for how to register a free account.

	PLANET Intenting & Experimentation
E PLANEI DUNS	PLANET Website FAQ Support
Sign in	
Sign in Forgotten Password / Creste A New Account	
E and the	

Select Features > Dynamic DNS and enable Dynamic DNS.

Enable Dynamic DNS:	\checkmark		
Status:	Not Available		
Server Address:	dyndns.com	dyndns.com	~
Host Name:			
User Name:			
Password:			
Time Out:	24	hours	

Figure 5-3-14 PLANET DDNS_1

Step 1. Select PlanetDDNS.com

Status: Not Available	
Server Address: dyndns.com	dyndns.com
Host Name:	dyndns.com
User Name:	PlanetDDNS.com
Password:	Manual
Time Out: 24	hours

Figure 5-3-15 PLANET DDNS_2

Step 2. Type the User Name for your DDNS account.

Step 3. Type the Password for your DDNS account.

Enable Dynamic DNS:	\checkmark		
Status:	Not Available		
Server Address:	PlanetDDNS.com	PlanetDDNS.com	\sim
Host Name:	test123		
User Name:	test123		
Password:	•••••		
Time Out:	24	hours	

Figure 5-3-16 PLANET DDNS_3

Save the settings and ensure you have connected the WAN port to the Internet. In a remote device, enter the Domain Name to the internet browser's address bar.



You can go to My Devices page of Planet DDNS website to check if the "Last Connection IP" is displayed. This indicates your DDNS service is working properly.



5.3.7 VPN

General			
	L2TP over IPSec:		
	Username:	account	
	Password.	password	
	PSK:	BCfwN47195	
			Advanced Settings>>>
Advanced			
	Authentication Protocol:	MSCHAPv2 V	
	MPPE:	None	



Object Description	
L2TP over IPSec	Enable or disable VPN function
Username	Enter the user name
Password	Enter the password
PSK	Enter the pre-shared key
Authentication Protocol	Select "MSCHAPv2", "PAP" or "CHAP" from the drop-down list
MPPE	Select "None", "RC4-40" or "RC4-128" from the drop-down list

5.4 Management

5.4.1 Time & Schedule

B		0		Ē	0
Time & Schedule	System Log	System Sett	ings Statistics	Diagnostics	Upgrade
The time is used for data set it manually.	logging and schedules. T	he date and	time can be synchroniz	ed with a public time server o	on the Internet, also you ca
	Time			Schedule	
Time Configuration		101			
		Time Zone:	(GMT) Greenwich Mean	Time : Dublin, Edinburgh, Lisb	on, London 🛛 🗸
		Time: 2	017/07/03 11:55:10 PM		
	Enable Dayli	ght Saving:			
Automatic Time Confi	guration				
	Update Time Using an N	TP Server:	1		
	N	TP Server:	Public NTP Server	Public NTP Set	rver 🗸
			Save		

Figure 5-4-1 Time & Schedule

5.4.1.1. Time

Time Configuration			
Time Zone:	(GMT) Greenwich Mean Time : Dublin, Edinburgh, Lisbon, London		
Time:	2017/07/03 11:55:10 PM		
Enable Daylight Saving:			
utomatic Time Configuration			
Update Time Using an NTP Server:	\checkmark		
NTP Server:	Public NTP Server	Public NTP Server	~
	Save		

Figure 5-4-2 Time

Object	Description	
Time Zone	Select the time zone in your area	
Enable Daylight Saving	Enable or disable daylight saving if you need this function	
Update Time Using an NTP Server	Check it to enable NTP server if you are on the Internet.	
NTP Server	Select the "Public NTP Server" or enter the server manually.	

5.4.1.2. Schedule

Press "Add Rule" to add a schedule to your services.



Figure 5-4-3 Schedule

5.4.2 System Log

Log Settings				
	System Log:	Check System Log		
SysLog Settings				
	Enable Logging to Syslog Server: 🗸	1		
	SysLog Server IP Address:		<< Computer Name	~

Figure 5-4-4 System Log
Object	Description
Check System Log	Press to open or save the system log
Enable Logging to Syslog Server	Enable or disable "Logging to Syslog Server"
SysLog Server IP Address	Enter the Syslog server IP address

5.4.3 System Settings

5.4.3.1. Administrator

Change Password		
Usern	ame:	
Passy	word.	
		Advanced Settings>>>
Administration		
Enable Remote Manager	nent	
Remote HTTP	Port 80	
Remote HTTPS	Port 443	

Figure 5-4-5 Administrator

Object	Description
Username	Enter the new username
Password	Enter the new password
Enable Remote Management	Enable or disable remote management
Remote HTTP Port	You can change the remote http port here
Remote HTTPS Port	You can change the remote https port here

5.4.3.2. System

This screen allows you to back up, restore, and erase the router's current settings. Once you have the router working correctly, you should back up the information to have it available if something goes wrong. When you back up the settings, they are saved as a file on your computer. You can restore the router's settings from this file.



Figure 5-4-6 System

Object	Description
Backup settings to local	Save the setting to local PC
Load settings from local	Load the settings from local PC
Restore to factory default	Restore the device to factory default
Reboot the device	Press the button to reboot the device
Auto Reboot	Select "Daily" or "Weekly" to reboot the device on time



When you load new configuration, the original configuration will be lost. Please back up the current configuration before loading a new one. In this way, if the new configuration file has an error, you can load the backup file.



DO NOT shut down your router when loading a configuration file. Otherwise, the router may be damaged.

5.4.4 Statistics

On this page, you can check the GUI statistics.



Figure 5-4-7 Statistics

5.4.5 Diagnostics

On the page, you can ping or trace route for IP connection.

Diagnostics					
Diagnostics:	Ping	~	IPv4	~	
			-		
			Start		

Figure 5-4-8 Diagnostics

5.4.6 Upgrade

You install new versions of the router's software using this page. From time to time, we may release new versions of the Router's firmware. Firmware updates contain improvements and fixes the current problems. On this page, you can check the firmware version and upgrade firmware.

Firmware Information		
	Current firmware version:	1.00
	Current firmware date:	2017-07-03 15:27:33
Upgrade Manually		
	Upgrade firmware:	Select File

Figure 5-4-9 Upgrade



DO NOT turns off the power or press the Reset button when updating the firmware. Otherwise, the router may be damaged.

Chapter 6. Quick Connection to a Wireless Network

6.1 Windows XP (Wireless Zero Configuration)

Step 1: Right-click on the wireless network icon displayed in the system tray



Figure 6-1

Step 2: Select [View Available Wireless Networks]

Step 3: Highlight and select the wireless network (SSID) to connect

- (1) Select SSID (Take PLANET for example)
- (2) Click the [Connect] button



Figure 6-2 Wireless Network Connection

Step 4: Enter the encryption key of the Wireless Router

- (1) The Wireless Network Connection box will appear
- (2) Enter the encryption key that is configured in section 5.2.2.1
- (3) Click the [Connect] button

Wireless Network Conne	ection 🔀		
The network 'PLANET' requires a network key (also called a WEP key or WPA key). A network key helps prevent unknown intruders from connecting to this network.			
Type the key, and then click Connect.			
Network <u>k</u> ey:	•••••		
C <u>o</u> nfirm network key:	••••••		
	Cancel		

Figure 6-3

Step 5: Check if "Connected" is displayed



Figure 6-4



Some laptops are equipped with a "Wireless ON/OFF" switch for the internal wireless LAN. Make sure the hardware wireless switch is switched to the "ON" position.

6.2 Windows 7 (WLAN AutoConfig)

WLAN AutoConfig service is built in Windows 7 that can be used to detect and connect to wireless network. This built-in wireless network connection tool is similar to wireless zero configuration tool in Windows XP.





Step 2: Highlight and select the wireless network (SSID) to connect

- (1) Select SSID (Take default_2.4G for example)
- (2) Click the [Connect] button

Not connected	49	•
Connections are available		
Wireless Network Connection	^	=
default_2.4G	llee	
Connect automatically	ect	
default_5G	llee	
link	.ul	
juntion_wap	.ul	-
Open Network and Sharing Cer	iter	

Figure 6-6



If you want to be connected to this Wireless Router, check [Connect automatically].

Step 4: Enter the encryption key of the Wireless Router

(1) **Connect to a Network** box will appear

- (2) Enter the encryption key that is configured in section 5.2.2.1
- (3) Click the [OK] button

Connect to a Netw	ork
Type the netwo	k security key
Security key:	
	Hide characters
9	You can also connect by pushing the button on the router.
	OK Cancel

Figure 6-7 Connect to a Network

💱 Connect to a Network	
Connecting to default_2.4G	
	Cancel

Figure 6-8 Connecting

Step 5: Check if "Connected" is displayed



Figure 6-9

6.3 Mac OS X 10.x

Step 1: Right-click on the network icon displayed in the system tray

The AirPort Network Connection menu will appear



Figure 6-10

Step 2: Highlight and select the wireless network (SSID) to connect

- (1) Select and SSID (Take PLANET for example)
- (2) Double-click on the selected SSID



Figure 6-11

Step 4: Enter the encryption key of the Wireless Router

- (1) Enter the encryption key that is configured in section 5.2.2.1
- (2) Click the [OK] button

()	The network "PLANET" requires a WPA password.
	Password:
	 Show password Remember this network
	Cancel OK

Figure 6-12



If you want to connect this Wireless Router in the future, check [Remember this network].

Step 5: Check if the AirPort is connected to the selected wireless network.

If "Yes", then there will be a "check" symbol in the front of the SSID.



Figure 6-13

6.4 iPhone / iPod Touch / iPad

Step 1: Tap the [Settings] icon displayed in the home screen



Figure 6-14

Step 2: Check Wi-Fi setting and select the available wireless network

- (1) Tap [General] \ [Network]
- (2) Tap [Wi-Fi]

If this is the first time to connect to the Wireless Router, it should show "Not Connected".

iPad	10:35 AM	
Settings	General	
Airplane Mode OFF		
Wi-Fi Not Connected	About	>
Notifications On	Usage	>
Carrier	Sounds	>
🕎 Cellular Data		
🙀 Brightness & Wallpaper	Network	>
Picture Frame	Bluetooth	Off >
Seneral	Location Services	On >
Salendars Mail, Contacts, Calendars	Spotlight Search	>
🧭 Safari		

Figure 6-15

iPad	10:35 AM	④ 100%
Settings	General	Network
Airplane Mode OFF		
Wi-Fi Not Connected	VPN	Not Connected >
On Notifications	Wi-Fi	Not Connected >
Carrier		
🕎 Cellular Data		
🙀 Brightness & Wallpaper		
Picture Frame		
Seneral		
Salendars Mail, Contacts, Calendars		
M Safari		

Figure 6-16

Step 3: Tap the target wireless network (SSID) in "Choose a Network..."

- (1) Turn on Wi-Fi by tapping "Wi-Fi"
- (2) Select SSID Take PLANET for example)

iPad	10:35 AM	100% 100% 100%
Settings	Natwork Wi-Fi Netwo	orks
Airplane Mode OFF		
Wi-Fi Not Connected	Wi-Fi	ON
Notifications On	Choose a Network	
Carrier	PLANET	₽ 🍣 🧿
🔀 Cellular Data	Other	>
🙀 Brightness & Wallpaper	Ask to Join Networks	ON
Picture Frame	Known networks will be joined automatically. If no known networks are available, you will be asked before joining a new network.	
General		
C Mail, Contacts, Calendars		

Figure 6-17

Step 4: Enter the encryption key of the Wireless Router

- (1) The password input screen will be displayed
- (2) Enter the encryption key that is configured in section 5.2.2.1
- (3) Tap the [Join] button

₽ad	10:36 AM		- (P 100%
Settings		Wi-Fi Netw	orks	
Airplane Mode	1 course			
WI-FI Not Connected	Wi-Fi		ON	
Notifications O	Choose a Ne	twork		
Carrier Enter 1	PLANET	WNRT-617	9.7	0
Cellular	Enter Passwor	d	_	>
Brightne			270	
Picture Password			6.80	10
General			esko	
Mail, Co				
Safari				
iPod				
922 Video				
Photos				
Notes				
Store			_	
Apps				
	ту			0
	بالبالب	البالغ	ĽĽ	-
ASDF	GН	JK	L	Join
	VBN	м	! ?	Ŷ
.7123			.?123	ŵ

Figure 6-18

Step 5: Check if the device is connected to the selected wireless network.

If "Yes", then there will be a "check" symbol in the front of the SSID.

iPad 🙃	10:36 AM	100% 10% 10% 10% 10% 10% 10% 10% 10% 10%
Settings	Network Wi-Fi Networks	
Airplane Mode OFF		
WI-FI PLANET_WNRT-617	Wi-Fi	ON
Notifications On	Choose a Network	
Carrier	✓ PLANET	₽ 🌣 💿
🕅 Cellular Data	Other	>
Brightness & Wallpaper	Ask to Join Networks	ON
Picture Frame	Known networks will be joined automatically. If no known networks are available, you will be asked before joining a new network.	
Seneral		
Mail, Contacts, Calendars		

Figure 6-19

Appendix A: Specifications

	WDRT-1202AC		
Product	1200Mbps 802.11ac Dual Band Wireless Gigabit Router		
Hardware Specifications			
	WAN Port:	1 x 10/100/1000 Mbps auto MDI/MDI-X RJ45 port	
Interface	LAN Port:	4 x 10/100/1000 Mbps auto MDI/MDI-X RJ45 port (LAN1~4)	
	USB Port:	1 x USB 2.0, Type A, 5V 500mA	
		2.4GHz: 2 x 5dBi external antenna	
Antenna	Gain:	5GHz: 2 x 5dBi external antenna	
1 x reset button		on	
Button	1 x WPS/Wi-Fi button		
	PWR x 1		
LED Indicators	WLAN (2.4G	Hz & 5GHz) x 2	
LED Indicators	WAN x 1		
	WPS x 1		
Material	Plastic		
Dimensions (W x D x H)	250 x 185 x 38 mm (W x D x H)		
Weight	322g		
Power Requirement	12V DC, 1.5A		
Power Consumption	10W		
Wireless Interface Specifications			
Wireless Interface Specificat	ions		
Wireless Interface Specificat	ions IEEE 802.11	ac 5GHz	
Wireless Interface Specificat Standard	ions IEEE 802.11 IEEE 802.11	ac 5GHz a/n 5GHz	
Wireless Interface Specificat Standard	ions IEEE 802.11 IEEE 802.11 IEEE 802.11	ac 5GHz a/n 5GHz b/g/n 2.4GHz	
Wireless Interface Specificat Standard Frequency Band	ions IEEE 802.11 IEEE 802.11 IEEE 802.11 Simultaneous	ac 5GHz a/n 5GHz b/g/n 2.4GHz s 2.4GHz and 5GHz	
Wireless Interface Specificat Standard Frequency Band	ions IEEE 802.11 IEEE 802.11 IEEE 802.11 Simultaneous 802.11ac: OF	ac 5GHz a/n 5GHz b/g/n 2.4GHz s 2.4GHz and 5GHz FDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM)	
Wireless Interface Specificat Standard Frequency Band Modulation Type	ions IEEE 802.11 IEEE 802.11 IEEE 802.11 Simultaneous 802.11ac: Of 802.11a/g/n:	ac 5GHz a/n 5GHz b/g/n 2.4GHz s 2.4GHz and 5GHz FDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM) OFDM (BPSK / QPSK / 16QAM / 64QAM)	
Wireless Interface Specificat Standard Frequency Band Modulation Type	ions IEEE 802.11 IEEE 802.11 IEEE 802.11 Simultaneous 802.11ac: OF 802.11a/g/n: 802.11b: DS	ac 5GHz a/n 5GHz b/g/n 2.4GHz s 2.4GHz and 5GHz FDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM) OFDM (BPSK / QPSK / 16QAM / 64QAM) SS (DBPSK / DQPSK / CCK)	
Wireless Interface Specificat Standard Frequency Band Modulation Type	ions IEEE 802.11 IEEE 802.11 IEEE 802.11 Simultaneous 802.11ac: OF 802.11a/g/n: 802.11b: DS 2.4GHz up to	ac 5GHz a/n 5GHz b/g/n 2.4GHz s 2.4GHz and 5GHz FDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM) OFDM (BPSK / QPSK / 16QAM / 64QAM) SS (DBPSK / DQPSK / CCK)	
Wireless Interface Specificat Standard Frequency Band Modulation Type Data Rates	ions IEEE 802.11 IEEE 802.11 IEEE 802.11 Simultaneous 802.11ac: OF 802.11a/g/n: 802.11b: DS 2.4GHz up to 5GHz up to 8	ac 5GHz a/n 5GHz b/g/n 2.4GHz s 2.4GHz and 5GHz FDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM) OFDM (BPSK / QPSK / 16QAM / 64QAM) SS (DBPSK / DQPSK / CCK) 0 300Mbps 867Mbps	
Wireless Interface Specificat Standard Frequency Band Modulation Type Data Rates	ions IEEE 802.11 IEEE 802.11 IEEE 802.11 Simultaneous 802.11ac: OF 802.11a/g/n: 802.11b: DS 2.4GHz up to 5GHz up to 8 2.4GHz	ac 5GHz a/n 5GHz b/g/n 2.4GHz s 2.4GHz and 5GHz FDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM) OFDM (BPSK / QPSK / 16QAM / 64QAM) SS (DBPSK / DQPSK / CCK) 0 300Mbps 367Mbps	
Wireless Interface Specificat Standard Frequency Band Modulation Type Data Rates	ions IEEE 802.111 IEEE 802.111 Simultaneous 802.11ac: OF 802.11a/g/n: 802.11b: DSS 2.4GHz up to 8 2.4GHz up to 8 2.4GHz FCC (Ame	ac 5GHz a/n 5GHz b/g/n 2.4GHz s 2.4GHz and 5GHz FDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM) OFDM (BPSK / QPSK / 16QAM / 64QAM) SS (DBPSK / DQPSK / CCK) o 300Mbps 367Mbps	
Wireless Interface Specificat Standard Frequency Band Modulation Type Data Rates	ions IEEE 802.113 IEEE 802.113 IEEE 802.111 Simultaneous 802.11ac: OF 802.11a/g/n: 802.11b: DS 2.4GHz up to 8 2.4GHz up to 8 2.4GHz FCC (Ame ETSI (Euro	ac 5GHz a/n 5GHz b/g/n 2.4GHz s 2.4GHz and 5GHz FDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM) OFDM (BPSK / QPSK / 16QAM / 64QAM) SS (DBPSK / DQPSK / CCK) o 300Mbps 367Mbps rica): 2.412~2.462GHz (11 Channels) ope): 2.412~2.472GHz (13 Channels)	
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Wireless Interface Specificat Standard Frequency Band Modulation Type Data Rates Channel	ions IEEE 802.113 IEEE 802.113 IEEE 802.111 Simultaneous 802.11ac: OF 802.11a/g/n: 802.11b: DS 2.4GHz up to 8 2.4GHz up to 8 2.4GHz FCC (Ame ETSI (Euro 5GHz 5GHz 5.180-5.24	ac 5GHz a/n 5GHz b/g/n 2.4GHz s 2.4GHz and 5GHz FDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM) OFDM (BPSK / QPSK / 16QAM / 64QAM) SS (DBPSK / DQPSK / CCK) o 300Mbps 367Mbps rica): 2.412~2.462GHz (11 Channels) ope): 2.412~2.472GHz (13 Channels)	
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Wireless Interface Specificat Standard Frequency Band Modulation Type Data Rates Channel	ions IEEE 802.111 IEEE 802.111 Simultaneous 802.11ac: OF 802.11a/g/n: 802.11b: DSS 2.4GHz up to 5GHz up to 8 2.4GHz FCC (Ame ETSI (Euro 5GHz 5.180-5.24 * The actual different regio	ac 5GHz a/n 5GHz b/g/n 2.4GHz s 2.4GHz and 5GHz FDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM) OFDM (BPSK / QPSK / 16QAM / 64QAM) SS (DBPSK / DQPSK / CCK) o 300Mbps 367Mbps rica): 2.412~2.462GHz (11 Channels) ope): 2.412~2.472GHz (13 Channels) 0GHz, 5.745-5.825GHz (up to 9 channels) channels in application will vary depending on the regulation in ons and countries.	
Wireless Interface Specificat Standard Frequency Band Modulation Type Data Rates Channel	ions IEEE 802.11 IEEE 802.11 IEEE 802.11 Simultaneous 802.11ac: OF 802.11a/g/n: 802.11b: DS 2.4GHz up to 8 2.4GHz up to 8 2.4GHz FCC (Ame ETSI (Euro 5GHz 5.180-5.24 * The actual different regin 802.11ac: 20	ac 5GHz a/n 5GHz b/g/n 2.4GHz s 2.4GHz and 5GHz FDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM) OFDM (BPSK / QPSK / 16QAM / 64QAM) SS (DBPSK / DQPSK / CCK) b 300Mbps 367Mbps rica): 2.412~2.462GHz (11 Channels) bpe): 2.412~2.472GHz (13 Channels) 0GHz, 5.745-5.825GHz (up to 9 channels) channels in application will vary depending on the regulation in bns and countries. /40/80MHz	
Wireless Interface Specificat Standard Frequency Band Modulation Type Data Rates Channel Channel Width	ions IEEE 802.111 IEEE 802.111 IEEE 802.111 Simultaneous 802.11ac: OF 802.11a/g/n: 802.11b: DSS 2.4GHz up to 8 2.4GHz up to 8 2.4GHz FCC (Ame ETSI (Euro 5GHz 5.180-5.24 * The actual different regio 802.11ac: 20 802.11n: 20/4	ac 5GHz a/n 5GHz b/g/n 2.4GHz s 2.4GHz and 5GHz FDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM) OFDM (BPSK / QPSK / 16QAM / 64QAM) SS (DBPSK / DQPSK / CCK) 0 300Mbps 367Mbps rica): 2.412~2.462GHz (11 Channels) bpe): 2.412~2.462GHz (11 Channels) ope): 2.412~2.472GHz (13 Channels) 0GHz, 5.745-5.825GHz (up to 9 channels) channels in application will vary depending on the regulation in bns and countries. /40/80MHz 40MHz	

	5GHz: < 20dBm
	2.4GHz
	11b (11Mbps): -85dBm
	11g (54Mbps): -70dBm
	11n (20M) mode: -70dBm
	11n (40M) mode: -68dBm
	5GHz
Receive Sensitivity	11a: -74dBm
	11n (20M) mode: -70dBm
	11n (40M) mode: -67dBm
	11ac (20M) mode: -67dBm
	11ac (40M) mode: -61dBm
	11ac (80M) mode: -57dBm
Transmit Power Control	Low. Medium. High
Wireless Management Featu	
Encryption Security	WPA/WPA2 personal mixed mode
Wireless Security	Wireless MAC address filtering
wireless Security	Supports WPS (Wi-Fi Protected Setup)
Wireless Advanced	Supports dual-SSID (2.4G and 5G)
wireless Auvanceu	Supports guest network
Max Supported Cliente	2.4GHz wireless: 32
max. Supported Clients	5GHz wireless: 32
Router Features	
	Shares data and Internet access for users, supporting the following Internet
	accesses:
	■ DHCP
Internet Connection Type	■ Static IP
internet connection Type	■ PPPoE
	■ PPTP
	■ L2TP
	■ DS Lite
	NAT firewall, SPI firewall
Firewall	Built-in NAT server which supports Port Forwarding and DMZ
	Built-in firewall with URL filtering, and MAC address filtering
	Built-in firewall with URL filtering, and MAC address filteringBuilt-in DHCP server supporting static IP address distribution
LAN	Built-in firewall with URL filtering, and MAC address filtering Built-in DHCP server supporting static IP address distribution Supports packet statistics
LAN	Built-in firewall with URL filtering, and MAC address filtering Built-in DHCP server supporting static IP address distribution Supports packet statistics Samba
LAN USB Sharing	Built-in firewall with URL filtering, and MAC address filtering Built-in DHCP server supporting static IP address distribution Supports packet statistics Samba DLNA media server
LAN USB Sharing	Built-in firewall with URL filtering, and MAC address filtering Built-in DHCP server supporting static IP address distribution Supports packet statistics Samba DLNA media server Web-based (HTTP) management interface
LAN USB Sharing	Built-in firewall with URL filtering, and MAC address filteringBuilt-in DHCP server supporting static IP address distributionSupports packet statisticsSambaDLNA media serverWeb-based (HTTP) management interfaceRemote management (WAN Access Control)
LAN USB Sharing System Management	Built-in firewall with URL filtering, and MAC address filteringBuilt-in DHCP server supporting static IP address distributionSupports packet statisticsSambaDLNA media serverWeb-based (HTTP) management interfaceRemote management (WAN Access Control)Supports UPnP, PLANET DDNS
LAN USB Sharing System Management	Built-in firewall with URL filtering, and MAC address filteringBuilt-in DHCP server supporting static IP address distributionSupports packet statisticsSambaDLNA media serverWeb-based (HTTP) management interfaceRemote management (WAN Access Control)Supports UPnP, PLANET DDNSSNTP synchronization

Standards Conformance				
IEEE Standards	IEEE 802.11ac (2T2R, up to 867Mbps) IEEE 802.11n (2T2R, up to 300Mbps) IEEE 802.11a IEEE 802.11g IEEE 802.11b IEEE 802.11i IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX			
Other Protocols and Standards	CSMA/CA, CSMA/CD, TCP/IP, DHCP, ICMP, NAT, PPPoE, SNTP			
Regulatory	CE, RoHS, WEEE			
Environment				
Temperature	Operating: 0 ~ 40 degrees C Storage: -40 ~ 70 degrees C			
Humidity	Operating: 10 ~ 90% (non-condensing) Storage: 5 ~ 95% (non-condensing)			

EC Declaration of Conformity

English	Hereby, PLANET Technology Corporation , declares that this 802.11ac Wireless Broadband Router is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU.	Lietuviškai	Šiuo PLANET Technology Corporation, , skelbia, kad 802.11ac Wireless Broadband Router tenkina visus svarbiausius 2014/53/EU direktyvos reikalavimus ir kitas svarbias nuostatas.
Česky	Společnost PLANET Technology Corporation, tímto prohlašuje, že tato 802.11ac Wireless Broadband Router splňuje základní požadavky a další příslušná ustanovení směrnice 2014/53/EU.	Magyar	A gyártó PLANET Technology Corporation , kijelenti, hogy ez a 802.11ac Wireless Broadband Router megfelel az 2014/53/EU irányelv alapkövetelményeinek és a kapcsolódó rendelkezéseknek.
Dansk	PLANET Technology Corporation, erklærer herved, at følgende udstyr 802.11ac Wireless Broadband Router overholder de væsentlige krav og øvrige relevante krav i direktiv 2014/53/EU	Malti	Hawnhekk, PLANET Technology Corporation, jiddikjara li dan 802.11ac Wireless Broadband Router jikkonforma mal-ħtiġijiet essenzjali u ma provvedimenti oħrajn relevanti li hemm fid-Dirrettiva 2014/53/EU
Deutsch	Hiermit erklärt PLANET Technology Corporation , dass sich dieses Gerät 802.11ac Wireless Broadband Router in Übereinstimmung mit den grundlegenden Anforderungen und den anderen relevanten Vorschriften der Richtlinie 2014/53/EU befindet". (BMWi)	Nederlands	Hierbij verklaart , PLANET Technology orporation, dat 802.11ac Wireless Broadband Router in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 2014/53/EU
Eestikeeles	Käesolevaga kinnitab PLANET Technology Corporation , et see 802.11ac Wireless Broadband Router vastab Euroopa Nõukogu direktiivi 2014/53/EU põhinõuetele ja muudele olulistele tingimustele.	Polski	Niniejszym firma PLANET Technology Corporation , oświadcza, że 802.11ac Wireless Broadband Router spełnia wszystkie istotne wymogi i klauzule zawarte w dokumencie "Directive 2014/53/EU.
Ελληνικά	$ \begin{array}{l} \textit{ME THN ΠAPOYSA$, $PLANET Technology} \\ \textbf{Corporation, ΔHA$ ΩNEI OTI $AYTO802.11ac} \\ \textbf{Wireless Broadband Router ΣYMMOP$ ΩNETAI ΠPO$ TI $OYSI$ Ω\DeltaEI A\Pi$AITH$ ΣEI$ $KAI TI AOI$ ΠE$ ΣXETIKE$ ΔIATA$`EI$ TH O ΔHFI A $2014/53/EU} \\ \end{array} $	Português	PLANET Technology Corporation, declara que este 802.11ac Wireless Broadband Router está conforme com os requisitos essenciais e outras disposições da Directiva 2014/53/EU.
Español	Por medio de la presente, PLANET Technology Corporation, declara que 802.11ac Wireless Broadband Router cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 2014/53/EU	Slovensky	Výrobca PLANET Technology Corporation , týmto deklaruje, že táto 802.11ac Wireless Broadband Router je v súlade so základnými požiadavkami a ďalšími relevantnými predpismi smernice 2014/53/EU.
Français	Par la présente, PLANET Technology Corporation, déclare que les appareils du 802.11ac Wireless Broadband Router sont conformes aux exigences essentielles et aux autres dispositions pertinentes de la directive 2014/53/EU	Slovensko	PLANET Technology Corporation, s tem potrjuje, da je ta 802.11ac Wireless Broadband Router skladen/a z osnovnimi zahtevami in ustreznimi določili Direktive 2014/53/EU.
Italiano	Con la presente , PLANET Technology Corporation, dichiara che questo 802.11ac Wireless Broadband Router conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 2014/53/EU.	Suomi	PLANET Technology Corporation, vakuuttaa täten että 802.11ac Wireless Broadband Router tyyppinen laite on direktiivin 2014/53/EU oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.
Latviski	Ar šo PLANET Technology Corporation, apliecina, ka šī 802.11ac Wireless Broadband Router atbilst Direktīvas 2014/53/EU pamatprasībām un citiem atbilstošiem noteikumiem.	Svenska	Härmed intygar, PLANET Technology Corporation , att denna 802.11ac Wireless Broadband Router står i överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 2014/53/EU.