

2 Click **OK** in the appearing screen.

③ Click Wireless -> Wireless Extender, select WDS Mode from the Mode drop-down list, select Wireless AP from the WDS Mode drop-down list and then click Open Scan.

Tenda					Version Product Name	V1.0.0.2 (7514) Wireless AC1200	Dual Band Router
	Home	Status	Network	Wireless	Advanced	Security	Tools
Basic	Wireless Extender					Helpful Hir	its
Guest Network	Band	2.4GHz		•		Enabling WDS	or Universal matically
Security	Mode	WDS Mod	е	•		disables the W	PS feature.
Advanced	WDS Mode	Wireless	AP	•		Enabling WISP	Mode
Wireless Access Control	Remote SSID	Tenda 01	703D			WPS feature, W	AN MAC
Wireless Extender						clone, Seconda Cuest Network	ary SSID, and
WPS	Channel	2437MHz	(Channel 6)	•		Guest Network	
Wireless Connection Status	Remote MAC Adderess					this mode, the	router will
	Remote MAC Adderess					relay data to a	n associated
	Security Mode	None		•		enabled mean wireless repea	while. The iter relays
			Open Scan			signal betweer and the root A wireless range	n its stations P for greater
		Sa	ve Cancel			WISP Mode: I the router acq access from a Access Point, J	In this mode uires Internet wireless Ebis method

④ Search for and select the base station AP's SSID and then click **Close**

Scan.



Tenda			~~		Version Product Name	V1.0.0.2 (7514) Wireless AC1.200	Dual Band Router	
	Home	Status N	etwork	Wireless	Advanced	Security	Tools	
Basic	Wireless Extender					Helpful Hin	its	
Guest Network	Band	2.4GHz		•		Enabling WDS of	or Universal	
Security	Mode	WDS Mode		•		Repeater automatically disables the WPS feature.		
Advanced	WDS Mode	Wireless AP		-		Enabling WISP	Mode	
Wireless Access Control	B	Mileicos A				automatically disables the WPS feature, WAN MAC		
Wireless Extender	Kemote SSID					clone, Seconda	ry SSID,and	
WPS	Channel	2437MHz (Chan	nel 6)	•		Universal Re	nontor: In	
Wireless Connection Status	Remote MAC Adderess					this mode, the	router will	
	Remote MAC Adderess					relay data to a root AP and AF	n associated 9 function is	
	Security Mode	None		-		enabled mean wireless repea	while. The ter relays	
		Clos	se Scan			signal between and the root A wireless range	its stations P for greater	
	Sel SSID	MAC Address	Ch Cha Bar	annel Security Idwidth	Signal Intensity	WISP Mode: I	n this mode	
	Tenda_home	C8:3A:35:0F:F0:2D	6 40	MHz WPA	-82 dBm	access from a	wireless	

(5) The SSID, channel, MAC address, security settings except security key of the base station AP will be automatically added to the corresponding fields. You only need to enter the security key of the base station AP and click **Save**.

Tenda				Version Product Name	V1.0.0.2 (7514) Wireless AC1200	Dual Band Route		
	Home	Status Netwoi	k Wireless	Advanced	Security	Tools		
Basic	Wireless Extender				Helpful Hir	nts		
Guest Network	Band	2.4GHz			Enabling WDS	or Universal		
Security	Mode	WDS Mode	•		Repeater auto disables the W	matically /PS feature.		
Advanced	WDS Mode	Wireless AP			Enabling WISP	Mode		
Wireless Access Control	Remote SSID	Tenda_home			WPS feature, V	VAN MAC		
Wireless Extender	Channel	2437MHz (Channel 6)	~		Guest Network	c.		
Wireless Connection Status	Remote MAC Adderess	C8:3A:35:0F:F0:2D			Universal Re this mode, the	peater: In router will		
	Remote MAC Adderess				relay data to a root AP and Al	in associated P function is		
	Security Mode	WPA-PSK/WPA2-PSK	~		enabled meanwhile. The wireless repeater relays			
	Authentication Type	WPA-PSK	~		signal between its stations and the root AP for greater			
	Cipher Type	AES	~		wireless range	In this mode		
	Security Key	•••••		Jisplay Key	the router acq	uires Internet		
		(8-63 ASCII or 64 hex o	haracters)		Access Point.	This method		
		Re-scan			vireless name Point, Channel to match the w	of Access and Security vireless Access		

6

Click Network -> DHCP Server, disable the DHCP server there and



then click Save.

Tenda					Version Product Name	V1.0.0.2 (7514) Wireless AC1200	Dual Band Router
	Home	Status	Network	Wireless	Advanced	Security	Tools
LAN WAN Port Mode MAC Clone DHCP Server	DHCP Server The Dynamic Host Configu used on IP networks. If yo automatically configure TC address, subnet mask, ga DHCP Server Start IP Address	uration Protoc u enable the 2P and IP pro- tteway and D O Disable 192.168.0	tol (DHCP) is an <i>i</i> built-in DHCP se tocol settings for NS etc to Enable 100	utomatic configu rver on this route all PCs in LAN, in	ration protocol r, it will cluding IP	Helpful Hir The Dynamic H Configuration A (DHCP) is an a configuration p on IP networks the built-in DH this router, it w	Host Protocol utomatic orotocol used If you enable ICP server on vill
DHCP Clients Static Assignment DHCP - Guest Network	End IP Address Primary DNS Server	192.168.0. 192.168.0.	200			automatically of TCP/IP protoco all PCs in LAN, address, subn gateway and D	configure ol settings for including IP et mask, DNS etc
Client List – Guest Network	Secondary DNS Server Lease Time	1 day	ve Canc	el		Start/End IP Specify a IP ad for DHCP assig entering a star address. Note: To activ feature, you m router and set TCP/IP setting: IP address aut	Address: dress range gnment by ting/ending IP vate this ust reboot the all LAN PC's s to 'Obtain an omatically'.

∧_{Note} -----

1. To set up a wireless network with WDS, both access points must be WDS capable.

2. This router's primary SSID will automatically change to match that of the remote router when the WDS feature is configured successfully. Please do not change this SSID. Changing this SSID may interrupt the wireless bridge link.

3. When the WDS is configured successfully, wireless clients can connect to this

Tenda wireless router's SSID for Internet access.

Verify Bridge Connectivity:

(1) Connect your PC to this Tenda wireless router via a wired or wireless connection and set it to "Obtain an IP address automatically". If you are not clear, see <u>Appendix 1 Configure PC TCP/IP Setting</u>.

2 Wait until your PC successfully obtains an IP address.



🕹 Local S	tatus	?	×
General	Support		
Connec	tion status Address Type:	Assigned by DHCP	Last number differs from
25	IP Address:	192. 168. 0. 10 3	that of the remote wireless router's LAN IP address.
— с	Subnet Mask:	255.255.255.0	
	Details	192. 168. 0. 1	This is the remote router's LAN IP address.
Windows connecti Repair.	s did not detect problems w ion. If you cannot connect,	vith this Repair	
		Close	



3 Click Start ->Run .



④ Enter **cmd** and click **OK**.

Run	? 🛛
-	Type the name of a program, folder, document, or Internet resource, and Windows will open it for you.
Open:	cmd 💌
	OK Cancel Browse

(5) Enter "ping default gateway IP address". Here in this example, enter "ping 192.168.0.1" and press Enter. If you see a similar screen (highlighted area), the bridge is established successfully.

Tenda



3.5 Access Control

Specify a list of devices to "Permit" or "Forbid" a connection to your wireless network via the devices' MAC Addresses. Click **Wireless -> Wireless Access Control** to enter the configuration screen.

There are three options available: Disable, Deny Access to Wireless Network and Allow Access to Wireless Network.

Tend a					Version Product Name	V1.0.0.2 (7514) Wireless AC1200) Dual Band Router
	Home	Status	Network	Wireless	Advanced	Security	Tools
Basic Guest Network Security Advanced Wireless Access Control Wireless Extender WPS Wireless Connection Status	Wireless Acce Access C Filter	ss Control Band 2.4GHz ontrol Disabled Mode © Deny C Allow 255 Sta	Access to Wireless v Access to Wireless atus Descrip Page 1 Save	Network S Network		Helpful Hir Wireless Acc "Disable" mear deactivate the Access Control "Allow Access of Network" mear specified MAC are allowed to your wireless or "Deny Access of Network" mear specified MAC are blocked to network. Selec new MAC addr	nts ess Control: ns to Wireless I feature. to Wireless ns PCs at addresses connect to network, while to Wireless ns PCs at addresses your wireless t "Add" to add ress entry.

A. If you want to allow all wireless clients to join your wireless network, select **Disable**.

B. If you want to allow ONLY the specified wireless clients to join your wireless



network, select Allow Access to Wireless Network.

C. If you want to disallow ONLY the specified wireless clients to join your wireless network, select Deny Access to Wireless Network.

Wireless Access Control Application Example:

To only allow your own notebook at the MAC address of C8:3A:35:C2:CA:E7 to

join your wireless network (SSID : Tenda_home)

Configuration Procedures:

- ① Select the wireless band you wish to use, for example 2.4Ghz.
- **2** Click **Enable**.
- **3** Select Allow Access to Wireless Network.

Tenda	Version Product Name							V1(0.0 2 (7514) Wireless ACI.200 Dual Band Router	
		Home	Status	Ne	twork	Wireless	Advanced	Security	Tools
Basic Guest Network Security Advanced Wireless Access Control Wireless Extender WPS Wireless Connection Status	Wire ID	eless Access B Access Cor Filter M MAC Addres	and 2.4GHz htrol Disabled ode C Deny C Allov s St	z d Enable y Access to w Access to ratus Page Sav	e D Wireless Ne Descriptio e1 ve C	ttwork ttwork n Edit tear		Helpful Him Wireless Acco "Disable" mear deactivate the Access Control "Allow Access t Network" mear specified MAC are allowed to your wireless n "Deny Access t Network" mear specified MAC are blocked to network. Seleci new MAC addr	Its ess Control: is to Wireless feature. o Wireless is PCs at addresses connect to etwork, while o Wireless is PCs at addresses your wireless your wireless r3Ad" to add ess entry.

4 Click Add.



Tenda	Version Vil. 0.0.2 (7514) Product Name Wireless AC1200 Daud Band Rod								Dual Band Route	
		Home	Statu	IS N	etwork	Wireless	Advanced	Security	Tools	
Basic Guest Network Security Advanced Wireless Access Control	Wir	Wireless Access Control Band 2.4GHz Access Control Disabled Filter Mode C Deny Access to Wireless Network Image: Allow Access to Wireless Network						Helpful Hints Wireless Access Contu "Disable" means to deactivate the Wireless Access Control feature. "Allow Access to Wireless Network" means PCs at specified MAC addresses are allowed to connect to		
wireless extender	ID	MAC Address	5	Status	Descript	ion Edit		your wireless n	etwork, while	
WPS Wireless Connection Status			Ad	Pa dd S	ge 1 ave	Clear		"Deny Access t Network" mear specified MAC are blocked to network. Selec new MAC addr	o Wireless 15 PCs at addresses your wireless t "Add" to add ess entry.	

(5) Select or enter your wireless MAC address and click **Save**.

Tenda					Version Product Name	V1.0.0.2 (7514) Wireless AC1200 Dual Band Router		
	Home	Status	Network	Wireless	Advanced	Security	Tools	
Basic Guest Network Security Advanced Wireless Access Control Wireless Extender WPS Wireless Connection Status	Wireless Access Use the Wireless Acc network. Select C MAC Add Descrip St	s Control ess Control featur lient Faste ress C8 : 3, ttion atus Enable S	re to manage client er Client Select A : 35 : C2 Save Back	s access to your w	ireless	Helpful Hir Wireless Acc "Disable" meat deactivate the Access Contro "Allow Access" Network" mea specified MAC are allowed to your wireless I "Deny Access Network" mea specified MAC are blocked to network. Selec new MAC add	nts ess Control: ns to Wireless I feature. to Wireless is PCs at addresses connect to network, while to Wireless ns PCs at addresses o your wireless t "Add" to add ress entry.	

6 Below screen will then appear.



- 1. Up to 16 wireless MAC addresses can be configured.
- 2. If you don't want to configure the complex wireless security settings and want to disallow others to join your wireless network, you can configure a wireless access control rule to allow only your own wireless device.



3.7 WPS Setup

Click **Wireless** -> **WPS** to enter WPS screen. Wi-Fi Protected Setup makes it easy for home users who know little of wireless security to establish a secure wireless home network, as well as to add new devices to an existing network without entering long passphrases or configuring complicated settings. Simply enter a PIN code or press the software PBC button or hardware WPS button (if equipped) and a secure wireless connection can be established.

A. If your wireless network is not secured, you can use the WPS to quickly encrypt your wireless.

B. If your wireless network is secured with WPS, you can quickly join your wireless network with a WPS capable adapter (Only WPA2-PSK and Mixed WPA/WPA2-PSK are supported).

You can use WPS PBC or WPS PIN to establish a secure connection.

- **PBC:** Establish WPS connection using the the software PBC button or hardware WPS button (if equipped).
- **PIN:** Establish WPS connection using the PIN code.

To secure a wireless network with WPS

Knowledge Center -----

1. Reset OOB: If clicked, the device's SSID and security mode will become unconfigured so that WPS can reconfigure the device's SSID, security settings. When the action of Reset OOB completes, the device's SSID will be restored to factory default, and security mode will be disabled (none).



Tenda					Version Product Name	V1.0.0.2 (7514) Wireless AC1200	Dual Band Router
	Home	Status	Network	Wireless	Advanced	Security	Tools
Basic	WPS					Helpful Hin	its
Guest Network	Band	2.4GHz		•		Wi-Fi Protected	d Setup (WPS)
Security	SSID	Tenda_0170	3D			users who know	w little of
Advanced	Device PIN	19505138				wireless securi a secure wirele	ty to establish ess home
Wireless Access Control	Enable WPS	O Disable (Enable			network, as we	ell as to add
Wireless Extender	WPS Mode	⊙ PBC ⊖ F	PIN			new devices to network withou long passphras	an existing it entering ses or
WPS		Reset 00B	Start PE	IC		configuring cor	nplicated
Wireless Connection Status						code or press	y enter a PIN the software
		Save	Cancel			PBC button or I button (if any) wireless conne established.	hardware WPS and a secure ction is

You can use the following 4 methods to establish a WPS connection:

Method 1: Establish a WPS connection using PBC on the Web Manager:

- 1 Select a band, for example, 2.4GHz.
- 2 Click Enable.
- 3 Click **Save** to save your settings.
- **4** Click **Start PBC**.
- 5 The WPS LED on this router will keep blinking for 2 seconds. Within these 2

minutes, enable WPS/PBC on the wireless client to join your wireless network.

Method 2: Establish a WPS connection using the hardware WPS button on the device:

- ① Select a band, for example, 2.4GHz.
- **2** Click **Enable**.
- 3 Click **Save** to save your settings.

Press and hold the WPS button on the back panel of this router for about
1-3 seconds and then release it.

(5) The WPS LED on this router will keep blinking for 2 seconds. Within these 2 minutes, enable WPS/PBC on the wireless client to join your wireless network.

Method 3: Establish a WPS connection using the 8-digit PIN code from the wireless network adapter:



1 Select a band, for example, 2.4GHz.

2 Click **Enable**.

3 Select **PIN** and enter the 8-digit PIN code from the wireless network adapter.

4 Click **Save** to save your settings.

5 Click **Start PIN**.

(6) The WPS LED on this router will keep blinking for 2 seconds. Within these 2 minutes, enable WPS/PIN- Enrollee on the wireless client to join your wireless network.

Method 4: Establish a WPS connection using the 8-digit PIN code from the device:

- (1) Select a band, for example, 2.4GHz.
- 2 Click Enable.
- 3 Select PIN.
- **4** Click **Save** to save your settings.
- **(5)** Click Start PIN.

The mable WPS/PIN on your router and WPS/PIN- Enrollee on the wireless client, and then enter the 8-digit PIN code from your router to join your wireless network.

To quickly join a secured wireless network with WPS

If you have already secured your wireless network with WPS or WPA2-PSK or Mixed WPA/WPA2-PSK and you want to join your wireless network but you hate to enter or forget the security key, do as follows:

Method 1: Establish a WPS connection using the hardware WPS button on the router:

(1) Check the WPS LED status on the router. It should display a solid light.

Press and hold the WPS button on the back panel of this router for about
 1-3 seconds and then release it.

3 The WPS LED on this router will keep blinking for 2 seconds. Within these 2 minutes, enable WPS/PBC on the wireless client to join your wireless



network.

Method 2: Establish a WPS connection using the 8-digit PIN code from the router:

- ① Check the WPS LED status on the router. It should display a solid light.
- (4) Enable WPS/PIN- Registrar on the wireless client and enter the 8-digit

PIN code from your router to join your wireless network.

▲_{Note}

To use the WPS security, the wireless client must be also WPS-capable.

3.8 Connection Status

Click Wireless -> Connection Status. Here you can see a list of wireless devices connected to the router.

Tenda	Version V Product Name V	/1 0.0.2 (7514) Vireless AC1200 Dual Band Router		
	Home Status Network Wireless Advanced	Security Tools		
Basic	Connection Status	Helpful Hints		
Guest Network	This section displays wireless client info.	This section displays		
Security	Band 2.4GHz	wireless client info.		
Advanced				
Wireless Access Control	ID SSID MAC Address IP Address Duration Speed			
Wireless Extender	Defreeb			
WPS	(Cell E2)			
Wireless Connection Status				

You can know whether there are unauthorized accesses to your wireless network by viewing the wireless client list.

, Tip -----

4 Advanced Applications

4.1 Bandwidth Control

If there are multiple PCs behind your router competing for limited bandwidth resource, then you can use this feature to specify a reasonable amount of



bandwidth for each such PC, so that no one will be over stuffed or starved to death.

Click Advanced -> Bandwidth Control to enter the bandwidth control screen.



1. 1M=128KByte/s.

2. The volume of uplink traffic/downlink traffic should not be larger than that allowed on the router's WAN (Internet) port. You can ask your ISP to provide the volume of Internet traffic.

Bandwidth Control Application Example:

If you share a 4M-broadband service with your neighbor. He always downloads a large volume of data from Internet, which sharply frustrates your Internet surfing experience; you can use this feature to set limits for the volume of Internet traffic he can get. For example, you can split the 4M into two, so your neighbor can only use up to 2M Internet traffic and you can enjoy 2M. (Assuming the IP address of your neighbor's PC is 192.168.0.100. 2M=256KByte/s)

Configuration Procedures:

- 1 Click Advanced -> Bandwidth Control.
- Tenda Home Status Network Wireless Tools Advanced Security **Custom Bandwidth Control Helpful Hints** DDNS Here you can see a list of bandwidth control rules. Enable: Indicates whether an entry is active or not. Virtual Server En... IP Range Uplink/Downlink Description Action IP Range: In IP range each DMZ Host Limit(KBps) IP will acquire configured bandwidth. UPnP Uplink/Download Limit: Routing Table Add Bandwidth Control Rule Delete All Rules The maximum allowed upload/download speed Static Routing limit on WAN port. Action: Select either to edit or delete an entry.
- 2 Click Add Bandwidth Control Rule.

- **③** Enter 192.168.0.100 in the **IP Range** fields.
- **④** Enter 32 in the **Uplink Bandwidth** field.
- **(5)** Enter 256 in the **Downlink Bandwidth** field.
- 6 Click Save to save your settings.

Tend a		V1.0.0.2 (7514) Wireless AC1200 Dual Band Rout					
	Home	Status N	letwork	Wireless	Advanced	Security	Tools
	Custom Bandwidth	Control				Helpful Hir	its
DDNS	Here you can see a list of	bandwidth control	rules.			Enable: Indic	ates whether
Virtual Server		Enable				an entry is acti	ve or not.
DMZ Host	IP Range	192.168.0.100	-	192.168.0.100		IP Range: In IP will acquire	IP range, eac configured
UPnP	Bandwidth Range					bandwidth.	
Routing Table	Uplink Bandwidth	32	K	Bps		Uplink/Down	lload Limit:
Static Routing	Downlink Bandwidth	256	к	Bps		upload/downlo	and speed
	Description					Action: Select	ort. : either to edi ntry.

⑦ Click **Reboot** on the appearing screen to reboot the router.

.

Tenda					Version Product Name	V1.0.0.2 (7514) Wireless AC1200	Dual Band Router
	Home	Status	Network	Wireless	Advanced	Security	Tools
Bandwidth Control	Hints					Helpful Hir	nts
DDNS	To activate new set	tings, you must rel	boot the device.			Enable: Indic	ates whether
Virtual Server			Deboot			an entry is acti	ive or not.
DMZ Host			REDUUL			IP Range: In	IP range, each
LIPnP						bandwidth.	comgarea
Deutine Table						Uplink/Dowr	1load Limit:
Kouting Table						The maximum	allowed
Static Routing						limit on WAN p	oad speed port.
						Action: Select or delete an e	t either to edit ntry.

Reaccess the device and go to check the rule you just add. Also you can clickEdit to edit the rule or Delete to delete the rule. You can also add more rules.

Tenda							Version Product Name	V1.0.0.2 (7514) Wireless AC1200	Dual Band Route
		Home	Status	Network	Wire	less	Advanced	Security	Tools
Bandwidth Control	Cus	tom Bandwidtl	h Control					Helpful Hir	ıts
DDNS	Here	you can see a list o	of bandwidth conti	rol rules.				Enable: Indic	ates whether
Virtual Server								an entry is acti	ive or not.
DMZ Host	En	IP Range	Uplink/Dow Limit(KBps)	nlink Desc	ription	Action		IP Range: In IP will acquire	IP range, each configured
UPnP	Yes	192.168.0.100	- 32/256			Edit	Delete	bandwidth.	
Routing Table		152.100.0.100						Uplink/Down The maximum	lload Limit: allowed
Static Routing		Add E	Bandwidth Contro	ol Rule	Delete Al	I Rules		upload/downle limit on WAN p	oad speed oort.
								Action: Select or delete an e	: either to edit ntry.



Dynamic DNS or DDNS is a term used for the updating in real time of Internet Domain Name System (DNS) name servers. We use a numeric IP address allocated by Internet Service Provider (ISP) to connect to Internet; the address may either be stable ("static"), or may change from one session on the Internet to the next ("dynamic"). However, a numeric address is inconvenient to remember; an address which changes unpredictably makes connection impossible. The DDNS provider allocates a static host name to the user; whenever the user is allocated a new IP address this is communicated to the DDNS provider by software running on a computer or network device at that address; the provider distributes the association between the host name and the address to the Internet's DNS servers so that they may resolve DNS queries. Thus, uninterrupted access to devices and services whose numeric IP address may change is maintained.

Click Advanced -> DDNS to enter the DDNS screen.

Tenda						Version Product Name	V1.0.0.2 (7514) Wireless AC1200	Dual Band Router
	Home	Status	Network	Wir	eless	Advanced	Security	Tools
Bandwidth Control DDNS Virtual Server DMZ Host UPnP Routing Table Static Routing	DNS DDNS Servi Service Provid User Nar Passwo Domain Nar Connection Stat	ce C Enable er dyndns ne ne us Disconnect Sa	© Disable ed ve Cancel	×	Register	play Key	Helpful Him The DDNS feat you to host a s FTP, Game Ser using a fixed d assigned by a provider. Simply click Re register a dom then enter the and password DDNS service p this router, and can use this re domain name t local server no your IP addres	Its ure allows erver (Web, ver, etc) lomain name DDNS service gister to ain name and user name given by the provider on d your friends gistered to access your matter what s is.

Ϋ́,

Tip -----

1. To use the DDNS feature, you need to have an account with one of the Service Providers in the drop-down menu first.

2. This router supports 2 DDNS service providers: dyndns and no-ip.

DDNS Application Example:



If your ISP gave you a dynamic (changing) public IP address, you want to access your router remotely but you cannot predict what your router's WAN IP address will be, and the address can change frequently. In this case, you can use a commercial Dynamic DNS service. It lets you register your domain to their IP address and forwards traffic directed at your domain to your frequently changing IP address.

If you obtain the following account from your dyndns.org service provider:

User Name: tenda

Password: 123456

Domain Name: tenda.dyndns.org.

And you want to use the PC at 218.88.93.33 to remotely access this router on port number 8090.

Tenda					Q	Version Product Name	V1.0.0.2 (7514) Wireless AC1200	Dual Band Router
	Home	Status	Network	Wir	eless	Advanced	Security	Tools
Bandwidth Control	DDNS						Helpful Hin	ts
DDNS	DDNS Service	💿 Enable	O Disable				The DDNS feat	ure allows
Virtual Server	Service Provider	dyndns		•	Register		you to host a se FTP, Game Ser	erver (Web, ver, etc)
DMZ Host	User Name	tenda					assigned by a l	omain name DDNS service
UPnP	Password	•••••			🗖 Dis	play Key	provider.	
Routing Table	Domain Name	tenda.dyno	dns.org				register a dom then enter the	ain name and user name
State roaning	Connection Status	Disconnect	ed				and password DDNS service p	given by the provider on
		Sa	ve Cancel				can use this re domain name t local server no your IP address	gistered o access your matter what s is.

Configuration Procedures:

1 DDNS Service: Select Enable.

2 Service Provider: Select your DDNS service provider from the drop-down menu. Here in this example, select dyndns.

(3) User Name: Enter the DDNS user name registered with your DDNS service provider. Here in this example, enter tenda.

4 Password: Enter the DDNS Password registered with your DDNS service



provider. Here in this example, enter 123456.

5 Domain Name: Enter the DDNS domain name with your DDNS service provider. Here in this example, enter tenda.dyndns.org.

6 Click **Save** to save your settings.

⑦ Click Security -> Remote Web Management, enable the Remote Web Management feature, enter 8090 in the Port field, 218.88.93.33 in the IP Address field and then click Save to save your settings.

Tenda	Home	Status	Network	Wireless	Version Product Name Advanced	V1.0.0.2 (7514) Wireless AC1200 Security) Dual Band Router Tools
MAC Filter Client Filter URL Filter	Remote Web Manag Enable	ement	(1024-65)	535)		Helpful Hi Use this featu Internet users	nts re to let manage your
Remote Web Management	IP Address	218.88.93.3	3 e Cancel			Port: Specify which a speci accesses the utility remotel Internet.	a port through fied user router's web y from
						IP Address: address for n router remote	Specify an IP nanaging the Ily.

8 Click Reboot on the appearing screen to reboot the router.

Tenda					Version Product Name	V1.0.0.2 (7514) Wireless AC1200	Dual Band Router
	Home	Status	Network	Wireless	Advanced	Security	Tools
MAC Filter Client Filter URL Filter Remote Web Management	<mark>Hints</mark> To activate new setti	ngs, you must reb	noot the device.	vot		Helpful Hir Use this featur Internet users router using a Port: Specify which a specifi accesses the r utility remotely Internet. IP Address: address for m router remotel	ILS e to let manage your web browser. a port through ied user outer's web if rom Specify an IP anaging the y.

Now you can access the router from the Internet by entering http://tenda.dyndns.org:8090 in your browser.



4.1 Virtual Server

You want to share resources on your PC with your friends who are not in your LAN. But, by default, the router's firewall blocks inbound traffic from the Internet to your computers except replies to your outbound traffic. You can use the Virtual Server feature to create exceptions to this rule so that your friends can access these files from external networks.



Click Advanced -> Virtual Server to enter the configuration screen.

Application Example:

As shown in the diagram above, your PC (PC1: 192.168.0.100) connects to the router and runs a FTP server on port number 21. Your friend (PC3) wants to access the FTP server on your PC.

Tip ------1. Make sure your WAN IP address (Internet IP address) is a public IP address. Private IP addresses are not routed on the Internet.

2. Make sure you enter correct service port numbers.

3. To ensure that your server computer always has the same IP address, assign a static IP address to your PC.

4. Operating System built-in firewall and some anti-virus programs may block other PCs from accessing resources on your PC. So it is advisable to disable them before using this feature.



Tenda									ノ	Ver	sion	V1.0.0.2 (751-	4) VO Durd Road Rout
	ſ	Home		Stati	ıs	Netv	work	Wireles	s	Adv	vanced	Security	Tools
Bandwidth Control	Vir	tual Serv	/er									Helpful H	lints
DDNS	Virt	ual Server is	s useful	for web s	servers. f	to serv	ers. e-mai	servers, ga	ming a	und oth	her	Ext Port -	Int Port: WAN
Virtual Server	spe	cial Internet	applica	ations. Wh	ien enab	· led, cor d to the	nmunicatio	n requests f	rom In	ternet	to	service port	
DMZ Host	stat	ically assign	the hos	st's IP for	this fund	tion to	be consiste	ent.		Juic		Enable: Se selected ent	ect to activate a ry.
UPnP	ID	Ext Port-	Int Port		Internal	IP		Protocol		En	De	Delete: Cli	:k "Delete" and
Routing Table	1	21	- 21		192.168	3.0.100		Both	•			"Save" to rer entry.	nove a selected
Static Routing	2		-					Both	•			Add to: Ad	ds a common
	3		-					Both	•			service port	to
	4		-					Both	•			given entry.	ing fields of a
	5		-					Both	•				
	6		-					Both	•				
	7		-					Both	•				
	8		-					Both	•				
	Wel	I-known Sei	rvice Po	rt Di	NS(53)	•	Add to	ID 1	•				
					Save		Cancel						

Configuration Procedures:

(1) Ext Port: Enter the external port number for the public ports at the Internet interface. Here in this example, enter 21.

Int Port: Enter the internal port number for the private ports at the computer on the router's local area network (LAN). Here in this example, enter 21.

2 Internal IP: Enter the IP address of your local computer that will provide this service. Here in this example, enter 192.168.0.100.

③ Protocol: Specify the protocol required for the service utilizing the port(s).

4 Check **Enable** to activate this rule.

(5) Click **Save** to save your settings.

Now, your friends only need to enter ftp://xxx.xxx.xxx.21in their browsers to access your FTP server. xxx.xxx.xxx is the router's WAN IP address. Assuming it is 172.16.102.89, then your friends need to enter ftp://202.33.56.88:21 in their browsers.





If you use the port number 80 here, you must set the port number for remote web management (Click **Tools -> Remote Web Management**) to any port number excluding 80 to avoid collision. Otherwise the port forwarding feature may not be effective.

4.2 DMZ Host

The DMZ (De-Militarized Zone) function disables the firewall on the router for one device for a special purpose service such as Internet gaming or video conferencing applications that are not compatible with NAT (Network Address Translation).

Click Advanced -> DMZ Host to enter the DMZ Host screen.

Δ_{Note}

1. DMZ host poses a security risk. A computer configured as the DMZ host loses much of the protection of the firewall and becomes vulnerable to attacks from external networks.

2. Hackers may use the DMZ host computer to attack other computers on your network.

Version Tenda Home Status Network Wireless Advanced Security Tools **Helpful Hints** DMZ Host Bandwidth Control DDNS Note: DMZ host poses a security risk. A computer designated as a DMZ host loses In some cases, we need to protection of the firewall and is exposed to exploits from the Internet. set a computer to be Virtual Server completely exposed to Enable 🔽 extranet for implementation of a 2-way communicatio DMZ Host IP 192.168.0.100 To do so, we set it as a DMZ UPnP host by entering its IP address and enable the Routing Table Save Cancel DMZ feature Static Routing

Configuration Procedures:

(1) Enable: Check to enable the DMZ host.



2 DMZ Host IP Address: The IP Address of the device for which the router's firewall will be disabled. Be sure to statically set the IP Address of that device for this function to be consistent.

3 Click Save to save your settings.



1. Be sure to statically set the IP Address of the computer that serves as a DMZ host for this function to be consistent.

2. Security softwares such as anti-virus software and OS built-in firewall, etc may affect the DMZ host feature. Disable them if DMZ host fails.

4.4 UPnP

The Universal Plug and Play (UPnP) feature allows network devices, such as computers from Internet, to access resources on local host or devices as needed. UPnP-enabled devices can be discovered automatically by the UPnP service application on the LAN. If you use applications such as multiplayer gaming, peer-to-peer connections, real-time communications such as instant messaging, or remote assistance (a feature in Windows XP), you may need to enable Universal Plug and Play (UPnP) for better experience.

Click Advanced -> UPnP to enter the UPnP screen. The UPnP feature is enabled by default.

Tenda	Version Product Name Home Status Network Wireless Advanced	Vi 010 2 (7514) Wireless ACI 200 Dual Band Romer Security Tools
Bandwidth Control	UPnP	Helpful Hints
DDNS Virtual Server DMZ Host	Enable UPnP 🗹 Save Cancel	UPnP (Universal Plug and Play) feature allows a network device to discover and connect to other devices on the network Presently it
UPnP Routing Table Static Routing		is only supported by such operational systems as Windows XP and Windows 7 or later.



4.6 Route Table

Click Advanced -> Route Table to view the router's route table.

Tenda					Version Product Name	V1.0.0.2 (7514) Wireless AC1200	Dual Band Router
	Home	Status	Network	Wireless	Advanced	Security	Tools
Bandwidth Control	Route Table					Helpful Hir	ıts
DDNS						This section di	splays routing
Virtual Server	Destination Network	Subnet Mask	Gateway	metric	Interface	info.	
	192.168.0.0	255.255.255.0	0.0.0.0	0	LAN		
DMZ Host	192.168.2.0	255.255.255.0	0.0.0.0	0	LAN		
UPnP							
Routing Table							
Static Routing			Refresh				

Knowledge Center -----

1. **Destination Network:** The IP address of the final destination. "0.0.0.0" indicates any network segment.

2. Subnet Mask: The subnet mask for the specified destination.

3. Gateway: This is the next router on the same LAN segment as the router to reach.

4. Metric: This stands for the number of routers between your network and the destination.

5. Interface: The interface between your router and the final destination.

-

4.5 Static Route

Static routes provide additional routing information to your router. Typically, you do not need to add static routes. However, when there are several routers in the network, you may want to set up static routing. Static routing determines the path of the data in your network. You can use this feature to allow users on different IP domains to access the Internet via this device. It is not recommended to use this



setting unless you are familiar with static routing. In most cases, dynamic routing is recommended, because this feature allows the router to detect the physical changes of the network layout automatically. If you want to use static routing, make sure the router's DHCP function is disabled. Click Advanced -> Static Routing to enter the configuration screen.

∛ Tip

Gateway must be on the same IP segment as WAN or LAN segment as the router.
 Subnet Mask must be entered 255.255.255.255 if destination IP address is a single host.

Static Route Application Example - Gateway IP address on the same IP segment as WAN IP:



For example, your company internal network and Internet are on different IP net segment and you want PCs on your LAN to access the Internet and your company internal network via the Tenda Router. You can simply configuring static routes on the Tenda Router. The figure above depicts this application scenario.

Configuration Procedures:

1 Click Add Static Route.



Tenda					~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	QI	Version Product Name	V1.0.0.2 (7514) Wireless AC1200	Dual Band Router
		Home	Status	Netwo	rk Wire	less	Advanced	Security	Tools
Bandwidth Control	Stat	ic Route						Helpful Hin	I <mark>TS</mark> n to manually
Virtual Server	ID	Destination N	letwork Su	bnet Mask	Gateway	Interface	Action	config static ro	uting entries
DMZ Host				Add Static R	oute			for your device	
UPnP									
Routing Table									
Static Routing									

2 Destination Network: The IP address of the final destination. Enter your corporate internal network IP address: 172.16.100.0.

3 Subnet Mask: Enter the subnet mask of your corporate internal network: 255.255.255.0.

(4) Gateway: Enter the gateway IP address to your corporate internal network: 192.168.30.88

- **5** Interface: Select WAN.
- 6 Click Save to save your settings.

Tenda					Version Product Name	V1.0.0.2 (7514) Wireless AC1200	Dual Band Router
	Home	Status Ne	twork	Wireless	Advanced	Security	Tools
Bandwidth Control	Add Static Route					Helpful Hir	its
DDNS	Destination Network	172.16.100.0				Use this section	n to manually
Virtual Server	Subnet Mask	255.255.255.0				for your device	e.
DMZ Host	Gateway	192.168.30.88					
UPnP	,						
Routing Table	Interface	WAN					
Static Routing		Save	Cancel				

Click Advanced -> Routing Table to view your static route entry. If it does not display, go to Tools to reboot your router. Enter the router's management interface. When the router successfully connects to the Internet, the following screen will display:



Tenda	Home	Status	letwork Wi	ralass	Version Product Name	V1.0.0.2 (7514) Wireless AC1200	Dual Band Router
	nome	Status		reless	Auvanceu	Security	10015
Bandwidth Control	Route Table					Helpful Hir	its
DDNS						This section di	splays routing
Virtual Server	Destination Network	Subnet Mask	Gateway	metric	Interface	info.	
virtual server	192.168.0.0	255.255.255.0	0.0.0.0	0	LAN		
DMZ Host	172.16.100.0	255.255.255.0	192.168.30.88	0	WAN		
UPnP							
Routing Table							
Static Routing		R	efresh				

Static Route Application Example - Gateway IP address on the same IP segment as LAN IP:



As seen in the above figure, PC2 on LAN2 connects with the Tenda Router via the Router; PC1 on LAN1 accesses Internet via the Tenda Router that performs NAT. You can configure static routes to implement mutual communication between PCs



on LAN1 and LAN2.

Configuration Procedures:

1) Click Add Static Route.

Tenda				J ~		Version Product Name	V1.0.0.2 (7514) Wireless AC1200	Dual Band Router
		Home St	atus Net	work Wir	reless	Advanced	Security	Tools
Bandwidth Control	Sta	tic Route					Helpful Hir	ıts
DDNS							Use this section	n to manually
Virtual Server	ID	Destination Network	Subnet Mask	Gateway	Interface	Action	config static ro	uting entries
	1	172.16.100.0	255.255.255.0	192.168.30.88	WAN	Delete	for your device	2.
DMZ Host								
UPnP								
Routing Table			Add Stati	c Route				
Static Routing								

- **2** Destination Network: Enter 192.168.50.0.
- **3** Subnet Mask: Enter 255.255.255.0.
- **Gateway:** Enter 192.168.0.101
- **(5)** Click **Save** to save your settings.

Tenda					Version Product Name	V1.0.0.2 (7514) Wireless AC1200	Dual Band Router
	Home	Status	Network	Wireless	Advanced	Security	Tools
Bandwidth Control	Add Static Route					Helpful Hir	ıts
DDNS	Destination Network	192.168.50	.0			Use this section	n to manually
Virtual Server	Subnet Mask	255.255.25	55.0			config static ro for your device	uting entries
DMZ Host	Gateway	192.168.0.1	101				
UPnP							
Routing Table	Interface	LAN		•			
Static Routing		Sav	Cancel				

Click Advanced -> Routing Table to view your static route entry. If it does not display, go to Tools to reboot your router. Enter the router's management interface. When the router successfully connects to the Internet, the following screen will display:



Tenda				Q	Version Product Name	V1. 0.0.2 (7514) Wireless AC1200	Dual Band Router
	Home	Status	Network	Wireless	Advanced	Security	Tools
Bandwidth Control	Route Table					Helpful Hir	its
DDNS						This section di	splays routing
Virtual Server	Destination Network	Subnet Mask	Gateway	metric	Interface	info.	
	192.168.0.0	255.255.255.0	0.0.0.0	0	LAN		
DMZ Host	172.16.100.0	255.255.255.0	192.168.30.8	88 0	WAN		
UPnP	192.168.50.0	255.255.255.0	192.168.0.1	.01 0	LAN		
Routing Table							
Static Routing			Refresh				

5 Security

This router provides three security policies: MAC filter, client filter and URL filter.

• To restrict your LAN PCs to access the Internet via their MAC addresses,

see <u>MAC Filter</u>.

• To restrict your LAN PCs to access certain services on Internet via their IP addresses, see <u>Client Filter</u>.

• To restrict your LAN PCs to access certain websites on Internet via URL, see <u>URL Filter</u>.

5.1 MAC Filter

This section allows you to restrict specific clients to access the Internet via the devices' MAC addresses. Each PC has at least an installed network adapter with a unique MAC address. Three options are available: Disable, Deny and Allow.

A. Disable: Disable the MAC Filter feature.

B. Deny: Disallow only the devices at specific MAC addresses to access the Internet during the specific time period and/or specific days of the week. Access to Internet during other time period and/or other days of the week are not restricted.

C. Allow: Allow only the specified devices to access the Internet during the



specific time period and/or specific days of the week. Access to Internet during other time period and/or other days of the week are denied.

Click Security -> MAC Filter to enter the configuration screen.

MAC Filter Application Example:

To allow only the PC at the MAC address of 00:C8:08:F5:E6:06 to access the Internet from Friday to Sunday (18:30-22:30).

Tenda					Version Product Name	V1.0.0.2 (7514) Wireless AC1200)) Dual Band Router
	Home	Status	Network	Wireless	Advanced	Security	Tools
MAC Filter	MAC Filter					Helpful Hit	nts
Client Filter	Filter Mo	de Allow		•		To better mar	nage
URL Filter	Sel	ect (1)		•		computers in network, you	your LAN can use the
Remote Web Management	Ena	ble 🔽 Clea	ar this item: Clea	ar		MAC Address to control thes	Filter feature se computers' rnet. For
	Descript	ion				details, see U	ser Guide.
	MAC Addr	ess 00 : C	8 : 08 : F5	E6 : 06		To clear an ex rule, select it a	kisting filter and click the
	Ti	me 18 💌	30 💌 ~ 20	▼ : 30 ▼		"Clear", and th button.	nen the "Save"
	C.	Day 🗖 Every d	lay 🔽 Sun 🗌 Mon 🗌	Tue 🗖 Wed 🗖 Th	nur 🔽 Fri 🔽 Sat	Deny/Allow:	
		Sa	ive Cance	I		Disallow/allow MACs to acces	v specified ss Internet.
						Note: 00:00- all the time.	~00:00 means

Configuration Procedures:

- **1** Filter Mode: Select Allow.
- 2 Select: Select a rule ID, for example, (1).
- **3** Enable: Check to enable this feature.

Description: Briefly describe the current rule. This field is optional. Or if you want to enter it, then enter numbers, letters or underscore only.

MAC Address: Specify the MAC address of the computer that you want to restrict, 00:C8:08:F5:E6:06.

(6) Time: Specify a time period for the current rule to take effect. Here in this example, select 18:30-22:30.**Day:** Select a day, or several days of the week for the current rule to take effect. Here in this example, select Friday, Saturday and Sunday.

Click **Save** to save your settings.



5.2 Client Filter

This section allows you to set the times specific clients can or cannot access the Internet via the devices' assigned IP addresses and service port. Three options are available: Disable, Deny and Allow.

A. Disable: Disable the Filter feature.

B. Deny: Disallow only the devices at specific IP addresses to access certain services on Internet during the specific time period and/or specific days of the week. Other time period and/or other days of the week are not restricted.

C. Allow: Allow only the devices at specific IP addresses to access specific services on Internet during the specific time period and/or specific days of the week. Access to any other services during other time period and/or other days of the week are denied.

Click Security -> Client Filter to enter the configuration screen.

Client Filter Application Example:

To prohibit PCs within the IP address range of 192.168.0.100--192.168.0.120 from accessing web pages during the time period of 8:00~18:00 from Monday to Frida

Tenda					Version Product Name	V1.0.0.2 (7514) Wireless AC1200	Dual Band Router
	Home	status	Network	Wireless	Advanced	Security	Tools
MAC Filter	Client Filter					Helpful Hir	its
Client Filter	Filter Mode	Deny		•		To better man	age AN you can
URL Filter	Select	(1)		•		use the Client	Filter
Remote Web Management	Enable	🗹 Clear t	his item: Cle	ar		computers' ac Internet. For d	regulate LAN cess to etails, see
	Description					User Guide.	
	Start IP	192.168.0.100	0			To clear an ex rule, select it a	isting filter Ind click the
	End IP	192.168.0.120	0			"Clear", and th button.	en the "Save"
	Port	80	~ 80			Deny/Allow:	
	Traffic Type	Both		•		Disallow/allow or IP range to	a specified IP access
	Time	8 💌 : 0	▼ ~ 18	• : 0 •		Internet.	
	Day	Every day	🗆 Sun 🔽 Mon 🔽	Tue 🔽 Wed 🔽 Th	nur 🔽 Fri 🗖 Sat	Note: 00:00- all the time.	00:00 means
		Save	Cance	1			



Configuration Procedures:

1 Filter Mode: Select Deny.

2 Select: Select a rule ID, for example, (1).

Enable: Check to enable this feature.

Description: Briefly describe the current rule. This field is optional. Or if you want to enter it, then enter numbers, letters or underscore only, for example, 80.

Start IP: Enter a starting IP address. Here in this example, enter 192.168.0.100.**End IP:** Enter an ending IP address. Here in this example, enter 192.168.0.120.

6 Port: Enter a service port number. Here in this example, enter 80.

Traffic Type: Select Both.

(8) **Time:** Specify a time period for the current rule to take effect. Here in this example, select 8:00~18:00.**Day:** Select a day, or several days of the week for the current rule to take effect. Here in this example, select Mon, Tue, Wed, Thur and Fri.

(9) Click **Save** to save your settings.

5.3 URL Filter

To better control LAN PCs, you can use the URL filter functionality to allow or disallow such PCs to access certain websites within a specific time period and/or specific days of the week. Three options are available: Disable, Deny and Allow.

A. Disable: Disable the URL Filter feature.

B. Deny: Disallow only the devices at specific IP addresses to access certain services on Internet during the specific time period and/or specific days of the week. Other time period and/or other days of the week are not restricted.

C. Allow: Allow only the devices at specific IP addresses to access specific services on Internet during the specific time period and/or specific days of the week. Access to any other services during other time period and/or other days of the week are denied.



Click Security -> URL Filter to enter the configuration screen.

URL Filter Application Example:

If you want to disallow all computers on your LAN to access "yahoo.com" from

8:00 to 18:00 during working days: Monday- Friday, then do as follows:

Tenda					Version Product Name	V1.0.0.2 (7514) Wireless AC1200)) Dual Band Router
	Home	Status	Network	Wireless	Advanced	Security	Tools
MAC Filter	URL Filter					Helpful Hi	nts
Client Filter	Filter Mode	Deny		•		To better con	trol the LAN
URL Filter	Select	(1)		•		computers' ac websites, you	cess to certain can use the
Remote Web Management	Enable	Cle	ar this item: Cle	ar		URL filter feat deny their acc websites withi	ure to allow or cess to certain in a specified
	Description					time range. Fo user guide.	or details, see
	Start IP	192.168.0	.2			To clear an ex	kisting filter
	End IP	192.168.0	.254			rule, select it a "Clear", and th	and click the nen the "Save"
	URL String	yahoo.con	n			button.	
	Time	8 💌	0 💌 ~ 18	•		URL String: of URL strings	Up to 16 sets can be
	Day	🗖 Every d	ay 🗖 Sun 🔽 Mon 🔽	Tue 🔽 Wed 🔽 Th	ur 🔽 Fri 🗖 Sat	entered.Differ names should	rent domain be separated
		Sa	Ve Cancel			by a coma.En URL string fiel wild card of a	tering "*" in the d indicates a ny URL.
						Note: 00:00- all the time.	~00:00 means

(1) Filter Mode: Select Deny.

2 Enable: Check to enable this feature.

3 Select: Select a rule ID, for example, (1).

(4) **Description:** Briefly describe the current rule, say, yahoo, (It can only consist of numbers, letters, or underscore). This field is optional.

5 Start IP/End IP: Enter 2-254.

6 URL String: Enter yahoo.

Time: Specify a time period for the current rule to take effect. Here in this example, select 8:00~18:00.**Day:** Select a day, or several days of the week for the current rule to take effect. Here in this example, select Mon, Tue, Wed, Thur and Fri.

8 Click Save to save your settings.

▲_{Note} ------

Each entry can include up to 16 URL keywords, each of which must be



separated by ", ".

5.4 Remote Web Management

The Remote management allows the device to be configured and managed remotely

from the Internet via a web browser.

Click Security -> Remote Web Management to enter the configuration screen.

Ϋ _{Tip} -----

1 For better security, customize a port number between 1024-65535 for the remote web management interface, do not use the number of any common service port (1-1024).

2. Make sure your WAN IP address (Internet IP address) is a public IP address. Private IP addresses are not routed on the Internet.

3. It is unsafe to make your router remotely accessible to all PCs on external network. For better security, we suggest that only enter the IP address of the PC for remote management.

Remote Web Management Application Example:

To access your router (WAN IP address: 102.33.66.88) at your home from the PC

(218.88.93.33) at your office via the port number 8080

Tenda					Version Product Name	V1.0.0.2 (7514) Wireless AC1200) Dual Band Route
	Home	Status	Network	Wireless	Advanced	Security	Tools
MAC Filter Client Filter	Remote Web Manag	jement				Helpful Hi	nts
URL Filter	Port	8080	(1024-65	535)		Internet users router using a	manage your web browser.
Kemote Web Management	IP Address	218.88.93 Sa	.33 ve Cance	1		Port: Specify which a specify accesses the utility remotel Internet.	a port through fied user router's web y from
						IP Address: address for m router remote	Specify an IP nanaging the Iy.

Configuration Procedures:

- (1) Check "Enable".
- 2 Enter 8080.
- **3** Enter 218.88.93.33.
- 4 Click **Save** to save your settings.

Type http://102.33.66.88:8080 into your browser's address or location field and

Tenda

you can access the router at your home remotely.

6 Tools

6.1 Logs

Click **Tools** -> **Logs** to enter the logs screen. The Logs option allows you to view all events that occur upon system startup. **View Log Levels:** There are three types of logs available.

Tenda							Version Product Name	V1.0.0.2 (7514) Wireless AC1200	Dual Band Rou	
		Home	Status	Ne	twork	Wireless	Advanced	Security	Tools	
Logs	Logs							Helpful Hir	its	
Traffic Statistics	Here yo	u can view the hist	tory of the dev	vice's a	actions.			This section al	lows you to	
Time		View Log Levels	All			•		view all events upon system s	that occur tartup. The	
Change Password								device records	a maximum	
Backup	Index	Time	ту	ype	Log Conter	its		of 200 log ent	ries.	
Баскир	12	2013-08-19 14	:55:06 sy	stem	Sync time su	ccess!		Note: Logs wi	ll be cleared	
Restore	11	2013-08-19 14	:24:57 sy	stem	Sync time su	ccess!	the limit of 200 entries (14			
Firmware Update	10	2000-01-01 00	:00:28 sy	stem	wan up			pages).		
Restore to Factory Default	9	2000-01-01 00	:00:25 wa	an	Get Client IF	Address (192.1	58.10.1			
	8	2000-01-01 00	:00:25 sy	stem	broadcastin	g ARPOP_REQUES	T ,return			
Reboot	7	2000-01-01 00	:00:20 sy	stem	broadcastin	g ARPOP_REQUES	T for 192			
	6	2000-01-01 00	:00:20 wa	an	Dhcp_ack re	ceived from (192	2.168.10			
	5	2000-01-01 00	:00:20 wa	an	Broadcastin	g Dhcp_request fo	or (192			
	4	2000-01-01 00	:00:20 wa	an	Dhcp_offer	Received from (19	92.168			
	3	2000-01-01 00	:00:07 wa	an	Broadcastin	g Dhcp_discover				
	2	2000-01-01 00	:00:02 sy	stem	wifi up					
	1	2000-01-01 00	-00-01 sv	stem	System star	success				



Here you can view the history of the device's actions.

Up to 150 entries can be logged. After 150 entries, you can click **Refresh** to update the logs or click **Clear** to clear the earliest logs.

6.2 Traffic Statistics

Click **Tools** -> **Traffic Statistics** to enter the Traffic Statistics screen. Traffic Statistics meter allows you to monitor and view the volume of traffic used by LAN devices.

 $\overleftrightarrow{P}_{Tip}$ If you suspect some PCs behind your router are consuming a large volume of bandwidth (downloading videos, etc.) you can enable this Traffic Statistics meter

feature to find out which PCs are overusing the traffic. Enabling the Traffic Statistics feature may degrade the router's performance. Do not enable it unless necessary.

Configuration Procedures:

1 Check Enable Traffic Statistics.

Tend a							Version Product Name	V1.0.0.2 (7514) Wireless AC1200	Dual Band Router	
		Home	Status	Network	w	/ireless	Advanced	Security	Tools	
Logs	Trat	ffic Statistic	s					Helpful Hin	its	
Traffic Statistics	Ena	ble Traffic Statis	stics 🔽					Statistics displa	ays traffic	
Time	Rate Unit: KB/s Display in Order							usage by PCs on your LAN.		
Change Password	Re	rfresh CI	ear	Display	in descei	ndina order c	f dov 🔻			
Backup							_			
Restore	ID	IP Address	TX Bytes	RX Bytes	Uplink	Downlink	Connections			
Firmware Update					Kate	Kate				
Restore to Factory Default										
Reboot			Save	Can	cel					



2 Click Save to save your settings.

Tenda						$\langle \mathbf{p} \rangle$	Version Product Nam	V1.0.0.2 (7514) e Wireless AC1200 I	Dual Band Router
		Home	Status	Network	W	ireless	Advanced	Security	Tools
Logs	Trat	ffic Statistic	5					Helpful Hin	ts
Traffic Statistics	Ena	ble Traffic Statis	stics 🔽					Statistics displa	ys traffic
Time	Rate	Unit: KB/s	I	Display i	n Order			usage by PCs o	n your LAN.
Change Password	Re	freeh Cli	ear	Display	in decou	ding order o	f dou 💌		
Backup	T C		cui	Dispiay	in descer	raing order o			
Restore	ID	IP Address	TX Bytes	RX Bytes	Uplink	Downlink	Connections		
Firmware Update					Rate	Kate			
Restore to Factory Default									
Reboot			Save	Car	cel				

③ Click **Reboot** on the appearing screen to reboot the router.

Tend a					Version Product Name	V1.0.0.2 (7514) Wireless AC120() Dual Band Router
	Home	Status	Network	Wireless	Advanced	Security	Tools
Logs Traffic Statistics	Hints To activate new se	ttings, you must r	eboot the device.			Helpful Hit	nts Iays traffic
Time Change Password		Cc	ntinue Rel	boot		usage by PCs	on your LAN.

The following screen appears after reboot.

Tenda	Version Product Name							V1.0.0.2 (7514) Wireless AC1200 Dual Band Route-		
		Home	Status	Networl	C N	/ireless	Advanced	Security	Tools	
Logs	Traffic Statistics							Helpful Hints		
	Enable Traffic Statistics 🗵						Statistics displays traffic			
Time	Rate	Rate Unit: KB/s Display in Order							usage by PCs on your LAN.	
Change Password	Re	Refresh Clear Display in descending order of do								
Backup				Diopie	,	in any eraor				
Restore	ID	IP Address	TX Bytes	RX Bytes	Uplink Rate	Downlink Rate	Connections			
Firmware Update	1	192.168.0.100	ОМ	ом	0.00	0.00	4294967295			
Restore to Factory Default										
Reboot										
			Sav	e Ca	ncel					


Knowledge Center -----

1. **IP Address:** Displays the IP addresses of the PCs that have connected to the device.

2. Uplink Rate: Displays the upload speed (KByte/s) of a corresponding PC.

3. Downlink Rate: Displays the download speed (KByte/s) of a corresponding PC.

4. **TX Bytes:** The number of bytes transmitted by a corresponding PC upon traffic statistics meter startup. The unit is M.

5. **RX Bytes:** The number of bytes received by a corresponding PC upon traffic statistics meter startup. The unit is M.

6. Connections: The number of clients that connect to this router.

6.3 Time

Click **Tools -> Time** to enter the time screen.

A. Sync with Internet time servers

Note that the GMT time is obtained only when Device is connected to Internet. You

can also configure the system time manually.

Tenda	Version V4.0.0.2 (7574) Product Name Winaless AC1200 Dual Band Route
	Home Status Network Wireless Advanced Security Tools
	Time
Logs Traffic Statistics	This section assists you in setting the device current time; you can either select to set the This section assists you in time and date manually or undate it from Internet automatically.
Time	Second the device's current second the device's current time; you can either select to Sync with Internet time servers
Change Password Backup	Sync Interval 30 minutes Sectors Secto
Restore	Note: GMT time will be updated automatically only when the device is connected to Internet In
Firmware Update	Time Zone when the device is powered off. However, it will be
Restore to Factory Default Reboot	(GMT+08:00)Beijing, Chongquing, Hong Kong, Urumqi updated automatically when the router connects to the
	2013 Year 08 Month 19 Day 15 Hour 05 Minute 09 Second firewall), the time and date info shall be set correctly Sync with Your PC first, either manually or automatically.

Configuration Procedures:



- (1) Select your time zone.
- 2 Click Save to save your settings.

B. Set Time and Date Manually/Sync with Your PC

Tenda		V1.0.0.2 (7514) e. Wireless AC1200 Dual Band Rou					
	Home	Status	Network	Wireless	Advanced	Security	Tools
Logs	Time					Helpful Hir	nts
Traffic Statistics	This section assists y	ou in setting the	device current time	; you can either se	lect to set the	This section a	ssists you in
Time	time and date manu	ally or update it f	rom Internet autom	atically.		setting the de time; you can	vice's current either select to
Change Password	Sync Inte	rval 30 minut	es	•		set the time a manually or up	nd date pdate it from patically
Restore	Note: GMT time will Internet	be updated autor	natically only when	the device is conn	ected to	Note: The co and date infor	nfigured time mation lose
Firmware Update	Time Zone					when the devi off. However,	ce is powered it will be
Restore to Factory Default	(GMT+08:00)Beijing	, Chongquing, Ho	ng Kong, Urumqi		•	updated autor the router con	matically when nects to the
Reboot	Set Time and Date M	lanually 8 Month 19 Sa	Day 15 Hour 09	5 Minute 09 S Sync	econd with Your PC	Internet. To au based feature firewall), the ti info shall be s first, either ma automatically.	ctivate time- s (e.g. ime and date et correctly anually or

Configuration Procedures:

(1) Specify the time and date manually or click the Sync with Your PC to

automatically copy your PC's time to the device.

2 Click **Save** to save your settings.

6.4 Change Password

Click **Tools** -> **Change Password** to enter the configuration screen. Here you can change the login password. It is strongly recommended that you change the factory default login password. Otherwise, anyone in your network can access this utility to change your settings.

For example, if you want to change the login password to "tenda", do as follows: **Configuration Procedures:**



Tenda					Version Product Name	V1.2.0.8 (8155) Wireless AC1200	Dual Band Route
	Home	Status	Network	Wireless	Advanced	Security	Tools
Logs Traffic Statistics Time Change Password Backup Restore Firmware Upgrade Restore to Factory Default Reboot	Change Password Note: Default passwo The password allows Old Passwo New Passwo Confirm New Passwo	rd is admin, We rd a maximum of 32 ord ord ord Sav	ecommend you to ? characters in leng ? /e Cancel	change it for bette th and no space.	er security.	Helpful Hint Default passwo We recommend change it for b Otherwise: any network can ac utility to chang settings. Old Password: time use the re admin. If you a changed it and unfortunately fi restore the rou defaults.	S ord is admin, d you to etter security. rone in your ccess this je your If you first puter, enter liready forgot, ter to factory

- **(1)** Old Password: Input the old login password.
- 2 New Password: Input a new password. Here in this example, enter "qpcom".
- 3 **Confirm New Password:** Re-enter the new password for confirmation. Here in this example, enter "qpcom".
- **④** Click **Save** to save your settings.

Tenda					Version Product Name	V1.0.0.2 (7514) Wireless AC1200) Dual Band Router
	Home	Status	Network	Wireless	Advanced	Security	Tools
Logs Traffic Statistics Time Change Password Backup Restore Firmware Update Restore to Factory Default Reboot	Change Passwor Note: NO password password allows a m Old Passw New Passw Confirm New Passw	ord by default, We rec aaximum of 32 cha rord rord rord rord Sa	ommend you to ch aracters in length a ve Cancel	ange it for better s nd no space.	ecurity. The	Helpful Hir NO password recommend yo for better sec. Otherwise: any network can a utility to chang settings. Old Passwor time use the r blank. If you a changed it and forgot, restore factory default New Password consist of 3–3 without any sp Confirm New	by default, We but to change it urity. yone in your ccess this ie your d: If you first outer, leave it lready d unfortunately the router to is. rd: Input a I. It MUST only 2 characters iace. Y Password:

(5) Click **OK** on the appearing window.

(6) System will automatically enter the login window if you click **OK**. Enter the new login password of "tenda" and click **Login** to enter the device's configuration interface.



Tenda	Version VI (010-2-(751-4) Product Name, Wireless AC1/200 Dual Band Router
	Wireless AC1200 Dual Band Router
	Password •••••
	Login Cancel

6.5 Backup

Backup: Once you have configured the device the way you want it, you can save these settings to a configuration file on your local hard drive that can later be imported to your device in case that the device is restored to factory default settings. Click **Tools -> Backup** to enter the configuration screen.

🖗 Tip -----

The default configuration file name is "RouterCfm.cfg". Do include the file name suffix of ".cfg" when renaming the file name to avoid problems.

Configuration Procedures:

(1) Click **Backup**.

Tenda	Version V1 (0, 0, 2, (7,5, 14) Product Name, Wireless AC1:200 Dual Band Route							
	Home	Status	Network	Wireless	Advanced	Security	Tools	
Logs	Backup					Helpful Hin	ts	
Traffic Statistics	Once you have config	ured the device	the way you want it,	you can save thes	e settings to a	Click "Backup" t	to save	
Time	configuration file on y case that the device i	our local hard d s restored to fac	rive that can later be tory default settings	imported to your	device in	current settings hard drive.	s to your local	
Change Password			Backun					
Backup			Daonap					
Restore								
Firmware Update								
Restore to Factory Default								
Reboot								

- 2 Click **OK** on the appearing window.
- **3** Click **Save** on the **File Download** window.





④ Select a local hard drive to save the file and click **Save**.

Choose file						2 🔀
Look in:	My Documer	nts	•	0 🕫	ب 📰 🔁	
My Recent Documents Desktop	RouterCfm.cf					
My Documents						
My Computer						
	A.	-				
My Network Places	File <u>n</u> ame:	RouterCfm.cfg			-	<u>O</u> pen
	Files of type:	All Files (*.*)			-	Cancel

6.6 Restore

Click **Tools -> Restore** to enter the configuration screen.

Configuration Procedures:

1 Click Browse.



Tenda	Version V4.0.0.2.(75).4) Product Name Wireless ACI 200 Dual Rend Router							
	Home Status Network Wireless Advanced	Security	Tools					
Logs Traffic Statistics	Restore	Helpful Hint	ts					
Time	Load Configuration File Browse	locate and selec configuration fil	ct a e that is					
Change Password	Restore	saved previous local hard drive	ly to your . And then					
Backup		click the "Restor reset your route	re" button to er to previous					
Restore		settings.						
Firmware Update								
Restore to Factory Default								
Reboot								

2 Select the configuration file that is saved previously to your local hard drive and click **Open**.

Choose file						? 🔀
Look in:	My Documen	ts	•	G 🤣	• 📰 🔁	
My Recent Documents	圈(RouterCfm.cfg					
My Documents						
My Computer						
My Network	File name:	Router fm cfg			.	Open
Places	Files of type:	All Files (*.*)				Cancel

3 Click the **Restore** button to reset your device to previous settings.

6.7 Firmware Update

Click **Tools** -> **Firmware Update** to enter the configuration screen. Firmware upgrade is released periodically to improve the functionality of your device and also to add new features. If you run into a problem with a specific feature of the device, log on to our website (www.tendacn.com) to download the latest firmware to update your device. When upgrade is complete, the device restarts automatically.



Update takes a few minutes. Please wait. If you run into a problem with a specific feature of the device, log on to our website (www.tendacn.com) to download the latest firmware to update your device.

 Δ_{Note}

1 Before you upgrade the firmware, make sure you are having a correct firmware. A wrong firmware may damage the device.

2. Do NOT upgrade the firmware wirelessly or disconnect device from power supply while firmware update is in process. Note that you need to update the device's firmware via a wired connection.

Configuration Procedures:

1 Click **Browse**.

Tenda		Version V4.0.0.2.275184 Product Name, Wireless AC1.200 Dual Bane B						
		Home	Status	Network	Wireless	Advanced	Security	Tools
Logs Traffic Statistics Time Change Password Backup	Fi	rmware Upgrad Step1 Step2 Step2	e Download Click Brows Click Upgr	the latest firmware se to locate and se ade to upgrade you	from www.tendac lect the downloade ur firmware.	n.com ed firmware.	Helpful Hin Use this sectior your router's fi better function features. The c reboot automa updating is cor	ts n to update rmware for ality or new Jevice will tically when nplete.
Restore Firmware Update		Select a firmware fi Firmware Versio Firmware Dat	e V1.0.0.2 te Aug 17 20	(7514) 013	<u>vsc</u>		Note: Do not p router or disco Ethernet cable	power off the nnect while
Restore to Factory Default Reboot				Upgrade			upgrading, oth be permanentl Upgrading take minutes. When complete, the o reboot automa	erwise it may y damaged. es about 2 it is device will tically

- 2 Select the upgrade file and click **Open**.
- **3** Click Upgrade (or Update).



Tenda		Wireless AC1200 Dual Band Rou				
	Home	Status Network	Wireless	Advanced	Security	Tools
Logs	Firmware Upgrade				Helpful Hint	ts
Traffic Statistics	Step 1 :	Download the latest firmware	from www.tendaci	n.com	Use this section	to update
Time	Step2:	Click Browse to locate and sel	ect the downloade	d firmware.	better functiona	lity or new
Change Password	Step3:	Click Upgrade to upgrade you	r firmware.		features. The d reboot automat updating is com	evice will ically when iplete.
Баскир	Select a firmware file	D:\US fh1200V1BR V1.	se			
Restore	Firmware Version	V1.0.0.2 (7514)			Note: Do not p router or discor	ower off the inect
	Firmware Date	Aug 17 2013			Ethernet cable v	while erwise it may
Restore to Factory Default					be permanently	damaged.
Reboot		Upgrade			Upgrading take minutes. When i complete, the d	s about 2 it is evice will

4 Click **OK** on the appearing window.

(5) An upgrade progress indicator bar appears during the upgrade process. When upgrade is complete, the device restarts automatically.

Tenda								
		Home	Status	Network	Wireless	Advanced	Security	Tools
Logs Traffic Statistics Time Change Password Backup Restore	Up	ıgrade				1	Helpful Hin Use this section your router's f better function features. The reboot automa updating is co Note: Do not router or disco	nto update irrmware for hality or new device will atically when mplete. power off the onnect
Firmware Update Restore to Factory Default			Updating	DO NOT disconnect	power supply.5%		Ethernet cable upgrading, oth be permanent	: while herwise it may ily damaged.
Reboot				Rebooting Please	: wait!		Upgrading tak minutes. When complete, the	es about 2 n it is device will atically

6.8. Restore to Factory Default Settings

Click **Tools -> Restore to Factory Default** to enter the configuration screen. Here you can reset the device to factory default settings.

 Δ_{Note}

1. If you enable this option, all current settings will be deleted and be restored to factory default values. You will have to reconfigure Internet connection settings and wireless settings.

2. Do not restore factory default settings unless the following happens:



• You need to join a different network or unfortunately forget the login

password.

• You cannot access the Internet and Tenda technical staff asks you to reset

the router.

Tenda					Version Product Name	V1.0.0.2 (7514) Wireless AC1200	Dual Band Router
	Home	e Status	Network	Wireless	Advanced	Security	Tools
Logs Traffic Statistics	Restore Fa	c tory Default tory defaults, click the	Restore Factory Defa	ault button.		Helpful Hin	I TS his option, all
Time Change Password		Res	store Factory Defa	ult		current setting deleted and b factory default	s will be e restored to values.
Backup						There is no default pass	preset word.
Restore						Default IP Ac 192.168.0.1	idress:
Restore to Factory Default						Default Subn 255.255.255.	et Mask: 0
Reboot							

Click the **Restore Factory Default** button to reset the device to factory default settings.

- Default IP Address: 192.168.0.1
- Default Subnet Mask: 255.255.255.0

6.9 Reboot

Click **Tools -> Reboot** to enter the configuration screen. This section allows you to reboot the device.

(1) Click **Reboot**.



Tenda					Version Product Name	V1.0.0.2 (7514) Wireless AC1200	Dual Band Router
	Home	Status	Network	Wireless	Advanced	Security	Tools
Logs	Reboot					Helpful Hir	its
Traffic Statistics Time	Click Reboot to resta	art your device.				Rebooting the activates new s	device settings, and
Change Password			Reboot			disconnections wi disconnected a during the pro	n be automatically gress.
Backup							
Restore							
Firmware Update							
Restore to Factory Default							
Reboot							



- ② Click **OK** on the appearing screen below:
- ③ The router restarts automatically if the OK button is clicked.

Tenda		Version V1(0,0,2 (7514) Product Name Wireless AC1200 Diahiband Roiter
	Home Status Network Wireless /	Advanced Security Tools
Logs	Reboot	Helpful Hints
Traffic Statistics	Click Reboot to restart your device.	Rebooting the device
Time		activates new settings, and connections will be
Change Password	Reboot	disconnected automatically
Backup		
Restore		
Firmware Update	Reporting Please wait14%	
Restore to Factory Default	Resound - Fread waters	



Appendix 1 Configure PC TCP/IP Settings

Windows 7

1 Click Start -> Control Panel.



Tenda

Click Network and Internet. 2 x 🐖 🕨 Control Panel 🕨 Search Control Panel Q + 44 Adjust your computer's settings View by: Category -System and Security User Accounts and Family Safety Review your computer's status 🚱 Add or remove user accounts Back up your computer 🚱 Set up parental controls for any user Find and fix problems Appearance and Personalization Network and Internet Change the theme View network status and tasks Change desktop background Choose homegroup and sharing options Adjust screen resolution Hardware and Sound Clock, Language, and Region View devices and printers Change keyboards or other input methods Add a device Change display language Ease of Access Programs Let Windows suggest settings Uninstall a program Optimize visual display

3 Click Network and Sharing Center.







Q

.

6 Click Local Area Connection and select Properties.





6 Select Internet Protocol Version 4 (TCP/IPv4) and click Properties.

onnect using:		
Intel/D) DDO/1	000 MT Naturals Connectio	
intel(R) PRO/1	UUU MIT Network Connectio	n
		Configure
his connection uses	the following items:	
Client for Mic	crosoft Networks	
QoS Packet	Scheduler	
File and Prin	ter Sharing for Microsoft Net	works
Internet Prot	ocol Version 6 (TCP/IPv6)	
	and the second	
Internet Prot	ocol Version 4 (TCP/IPv4)	10 0:
 Internet Prot Ink-Layer T Ink-Layer T 	ocol Version 4 (TCP/IPv4) opology Discovery Mapper	I/O Driver
 ✓ Internet Prot ✓ Link-Layer T ✓ Link-Layer T 	ocol Version 4 (TCP/IPv4) opology Discovery Mapper opology Discovery Respond	I/O Driver ler
Internet Prot Link-Layer T Link-Layer T	ocol Version 4 (TCP/IPv4) opology Discovery Mapper opology Discovery Respond	I/O Driver ler
 ✓ Internet Prot ✓ Link-Layer T ✓ Link-Layer T 	ocol Version 4 (TCP/IPv4) Topology Discovery Mapper Topology Discovery Respond	l/O Driver der Properties
✓ Internet Prot ✓ Link-Layer T ✓ Link-Layer T ✓ Link-Layer T ✓ Description	ocol Version 4 (TCP/IPv4) Topology Discovery Mapper Topology Discovery Respond	l/O Driver der Properties
✓ Internet Prot ✓ Internet Prot ✓ Link-Layer T ✓ Link-Layer T ✓ Link-Layer T ✓ Description Transmission Contr wide area network	ocol Version 4 (TCP/IPv4) opology Discovery Mapper opology Discovery Respond Uninstall rol Protocol/Internet Protocoo protocol that provides comm	I/O Driver der Properties
 ✓ Internet Prot ✓ Link-Layer T ✓ Link-Layer T ✓ Link-Layer T ✓ Install Description Transmission Contrivide area network across diverse inte 	ocol Version 4 (TCP/IPv4) opology Discovery Mapper opology Discovery Respond Uninstall rol Protocol/Internet Protoco protocol that provides comm rconnected networks.	I/O Driver der Properties



⑦ Select Obtain an IP address automatically and click OK.

Internet Protocol Version 4 (TCP/IPv4) Properties					x		
General Alternate Configuration							
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.							
Obtain an IP address automatica	lly						
Use the following IP address:							
IP address:	1.1						
Subnet mask:							
Default gateway:							
Obtain DNS server address autor	matically						
- Use the following DNS server ad	dresses						
Preferred DNS server:							
Alternate DNS server :							
Validate settings upon exit			Adva	anced.			
		ОК		Car	ncel		



8 Click OK on the Local Area Connection Properties window to save your settings.

Intel(R) PRO/	1000 MT Network Conne	ction
	the following items:	Configure
Client for Mi	crosoft Networks	
QoS Packe	Scheduler	
File and Prin	ter Sharing for Microsoft	Networks
 Internet Pro 	tocol Version 6 (TCP/IPv	·6)
Internet Pro	Cocol Version 4 (TCP/IPV	er I/O Driver
🗹 🛶 Link-Layer 1	Topology Discovery Resp	oonder
Install	Uninstall	Properties
770002557444400 3		
Description		
Description Transmission Cont	rol Protocol/Internet Prot	ocol. The default



(1) Right-click My Network Places and select Properties.



2 Right click Local Area Connection and select Properties.





3 Select Internet Protocol Version 4 (TCP/IPv4) and click Properties.





④ Select Obtain an IP address automatically and click OK.

nternet	Protocol (TCP/IP) Properties
General	Alternate Configuration
You ca this cap the app	n get IP settings assigned automatically if your network supports ability. Otherwise, you need to ask your network administrator for ropriate IP settings.
⊙ OI	otain an IP address automatically
OU	e the following IP address:
IP.ac	Idress:
Subr	iet mask:
Defa	ult gateway:
⊙ 0I	otain DNS server address automatically
OU	e the following DNS server addresses:
Prefe	erred DNS server
Alter	nate DNS server.
	Advanced
	OK Cancel



(5) Click **OK** on the **Local Area Connection Properties** window to save your settings.





Appendix 2 Join Your Wireless Network

Tip -----

To join your wireless network, the PC you use must have an installed wireless network adapter. If not, install one.

Join Your Wireless Network - Windows 7

1 Click Start -> Control Panel.





2 Click Network and Internet.



3 Click Network and Sharing Center.







(5) Right click the Wireless Network Connection and select Connect/Disconnect.



6 Select the wireless network you wish to connect and click Connect.



Depending on whether you are joining a secured or unsecured wireless network, you will see different screens:

A. If you are joining an unsecured wireless network as seen below:



B. If you are joining a secured wireless network as seen below:





You are required to enter a security on the following screen. Enter the security key and click **OK**.

🕎 Connect to a Ne	twork
Type the netw	ork security key
<u>S</u> ecurity key:	•••••
	✓ <u>H</u> ide characters
	OK Cancel

⑦ When you see **Connected** displayed next to the wireless network you selected, you have connected to the wireless network successfully.





Appendix 3 Factory Default Settings

Item		Default Settings		
Router Login	Login IP Address	192.168.0.1		
	Internet Connection Type	DHCP		
	MAC Address	Find it on the label attached to the bottom of your device.		
Network Settings		PPPoE: 1450		
	MTU	Dynamic IP: 1450		
		Static IP: 1450		
	WAN Speed	Auto-negotiation		
	DNS	Disabled		
	IP Address	192.168.0.1		
	Subnet Mask	255.255.255.0		
	DHCP Server	Enabled		
	IP Pool	192.168.0.100~192.168.0.200		
LAN Settings	Tima Zana	(GMT+08:00)Beijing, Chongquing,		
		Hong Kong, Urumq		
	Set Time and Date manually	Disabled		
	Wireless	Enabled		
	Primary SSID	Tenda_XXXXXX (XXXXXX is		
		the last six characters in the		
	(Network Name)	device's MAC address)		
	Wireless Extender	Disabled		
	Network Mode	11b/g/n mixed		
	SSID Broadcast	Enabled		
	AP Isolation	Disabled		
Wireless Settings	Channel	Auto		
	Channel Bandwidth	20/40		
	Extension Channel	Auto		
	WMM Capable	Enabled		
	APSD Capable	Disabled		
	Security Mode	None		
	WPS	Disabled		
Tools	Remote Web Management	Disabled		
	Login Password	None		



Others	Bandwidth Control	Disabled
	Traffic Statistics	Disabled
	DMZ Host	Disabled
	UPnP	Enabled
	Security	Disabled



Appendix 4 FAQs

This section provides solutions to problems that may occur during installation and

operation of the device. Read the following if you are running into problems.

If your problem is not covered here, please feel free to go to <u>www.tendacn.com</u> to find a solution or email your problems to: <u>support@tenda.com.cn</u> or support02@tenda.com.cn. We will be more than happy to help you out as soon as possible.

1. Q: I cannot access the device's management interface. What should I do?

- Make sure the power LED on the device's front panel is on and the SYS LED blinks normally.
- Make sure all cables are correctly connected and the corresponding LAN LED on the device is on.

• Verify that your PC's TCP/IP settings are configured correctly. If you select the "Use the following IP address" option, set your PC's IP address to any IP address between 192.168.0.2~192.168.0.254. Or you can select the "Obtain an IP address automatically" option.

- Check the IP address you entered in your browser. It should be http://192.168.0.1.
- Open your browser and click Tools -> Internet Options -> Connections
 -> LAN settings, uncheck the Use a proxy server for your LAN option.
- Press the WPS/RST button for over 7 seconds to restore your device to factory default settings. Then log to your device again.

2. Q: I changed the login password and unfortunately forget it. What should I do?

Press the WPS/RST button for over 7 seconds to restore your device to factory default settings.

3. Q: My computer shows an IP address conflict error after having connected to the device. What should I do?

• Make sure there are no other DHCP servers on your LAN or other DHCP



servers are disabled.

- Make sure the device's LAN IP is not used by other devices on your LAN. The device's default LAN IP address is 192.168.0.1.
- Make sure the statically assigned IP addresses to the PCs on LAN are not used by others PCs.

4. Q: I have problems connecting to Internet/Secure websites do not open or displays only part of a web page. What should I do?

This problem mainly happens to users who use the PPPoE or Dynamic IP Internet connection type. You need to change the MTU size. Try changing the MTU to 1450 or 1400. If this does not help, gradually reduce the MTU from the maximum value until the problem disappears.



Appendix 5 Remove Wireless Network from Your PC

If you change wireless settings on your wireless device, you must remove them accordingly from your PC; otherwise, you may not be able to wirelessly connect to this device. Below describes how to do remove a wireless network from your PC.

Windows 7

1 Right-click the **Network** icon and select **Properties**.



2 Select Manage Wireless Networks.

6 / S - 10 - X - X - A	- 東京 - 東京 - 王正			101 100		
🚱 💬 👻 🕨 Control Panel 🔸	Network and Internet Network and S	Sharing Center		earch Control Panel		P
Control Panel Home	View your basic network inf	ormation and se	et up connec	tions	See full man	?
Manage wireless networks Change adapter settings Change advanced sharing	TEST-PC (This computer)	Tenda_home	*	Internet	зее тип ттар	
settings	View your active networks			Connect	t or disconnect	
	Tenda_home Public network		Access type: Connections:	No Internet access III Wireless Network ((Tenda_home)	Connection 8	
	Change your networking settings —	r network				



3 Select the wireless network and click **Remove network**.



Windows XP

(1) Right-click My Network Places and select Properties.





2 Right click Wireless Network Connection and then select Properties.





3 Click Wireless Networks, select the wireless network name under

Preferred networks and then click the Remove button.





Appendix 6 Safety and Emission Statement

CE Mark Warning

Operations in the 5.15-5.25GHz band are restricted to indoor usage only. This is a Class B product in a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures NOTE:(1)The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment.(2) To avoid unnecessary radiation interference, it is recommended to use a shielded RJ45 cable



FCC Statement

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 has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.



- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Radiation Exposure Statement

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

NOTE: (1) The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. (2) To avoid unnecessary radiation interference, it is recommended to use a shielded RJ45 cable