

Netween Router User Manual

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Netween Router 1M LAN cable User Manual nemuleen **Power Adapter** 利用 LAND THE OWNER OF THE OWNER Netween Router **Product Features** C140T Network Protocol Wireless -. PPPoE -. 802.11n(draft 2.0), 802.11b/g -. DHCP -. 1T1R -. Up to 300Mbps -. MAC cloning -. Port forwarding -. Multiple SSID -. QoS for MAC and IP -. SSID broadcast -. IGMP Proxy -. Auto transmission speed -. WDS Wireless bridge -. DDNS -. UPnP -. Wi-Fi Multi Media -. VPN Server -. Auto Channel Select -. WPS -. DMZ, Special DMZ -. OFDM, DSSS, MIMO -. NAT -. 2.4 Ghz **Specification** Security Others Wireless Interface IEEE802.11b/g/n (Draft 2.0) 384Mhz MIPS 34bit -. 64/128/WEP -. Login(ID/PW) WAN Interface 1 x 10/100Base-Tx, Auto MDI/MDIX -. WPA/WPA2, WPA-PSK/ -. Auto-Firmware upgrade WPA2-PSK(TKIP/AES) -. Remote Web management LAN Interface -. Hidden SSID

- -. System log -. WOL

Operating Temp. Tx Power **Rx** Sensitivity

CPU

Status LED

DRAM

FLASH

Power

Antenna

4 x 10/100Base-Tx, Auto MDI/MDIX Power, WLAN, WAN, LAN x 4, WPS 16Mbytes 4Mbytes Input : 100~240VAC, 50~60Hz Output : 5VDC, 2A 0~50℃ 14dBm ± 2dBm -65dBm @130Mbps -68dBm @54Mbps -84dBm @11Mbps 3 dBi x 2 antenna

-. Access Control List

-. Parent Control

-. Packet Filtering -. Web Contents/URL filter

Installation Precautions

Read the notes below before installing



The power adapter must be a standard adapter that is supplied with Netween adapter products.



Must seek professional help when product is damaged, please avoid further deteriorating or opening the case of the product.



Be careful not to drop or apply strong collision to the product.



Please avoid setting in places with direct sunlight, dust, excessive vibration or unstable places before and after you install the product.



If the exterior adapter devices of the Netween are cleaned with alcohol, benzene, acetone, etc. or any flammable liquids, this alteration to the surface will cause chemical changes. In case of contact with other material please wipe the area with a dry cloth.



The power being supplied must be stable. In the case of the power supply develops sparks or noises, a power control device must be installed.



Never touch the power supply area when the power cord is connected due to risks of electric shocks. When installing or moving the product, power switch must be turned off and all the connected cables must be unplugged.



Pay attention not to overload wiring connections when connected the power source.

- The information contained in this manuscript can be changed without agreement or separate notice of individual users.
- According to individual user's internet service provider's terms and regulations, some environmental constrains of the product performance and feature limitations may be encountered.
- We will not take responsibility of any line disability issues during usage of this product.

Product & Explaination

Front of the Netween



Power / ON

Shows the power supply is normal



WLAN / Flicker

Shows wireless is in operating conditions

ති

WPS / only flickers when activated

WPS supported devices and confirmation process is in progress



WAN / Flicker

Shows external internet cable is connected and data communication is in progress

1234

LAN /Flicker

PC and cable is connected and shows data communication is in progress

* WPS (Wifi Protected Setup)

A feature to set up easily without complex security settings between adaptor and WPS function supported terminals. Back of the Netween



Netween Default Connection

General internet environment



Environment using a Modem



How to install

- 1. Connect the power supply adaptor to the router's body.
- 2. With modem methods, disconnect the LAN cable that is connected to the modem connected to the PC and connect it to the router (WAN port). When with modem doesn't have an optical LAN, separate the socket of the terminal from the PC and connect it to the router (WAN port). Make sure the LED of the (WAN) is working normally.
- 3. After turning on the PC, connect the LAN cable that is enclosed with the product to the PC and into 1 2 3 4, one of the LAN ports of the router. Make sure the LED of 1 2 3 4 are functioning.
- 4. Reboot the PC and see if the internet working

Netween default set

Internet connection set

- If internet is automatically connected, internet can be used without additional connection settings

1. Dynamic IP(DHCP)

Netween router is set to automatically receive IP method in default. Enter address <u>http://192.168.1.1-</u> Expert Setting- WAN Interface Setting

WAN Interface Settings

| Dyn | amic IP(DHCP) 😺 | | |
|------------------------------|--|--|--|
| Connection Type | | | |
| IP Address | 221.165.151.195 | | |
| Subnet Mask | 255.255.255.0 | | |
| Gateway | 221.165.151.1 | | |
| Packet MTU (byte) | 1500 (Default: 1500. Do not modify it unless it is necessary.) | | |
| Manually set the DNS server | 0 | | |
| DNS Server | 168 126 63 1 | | |
| Secondary DNS Server | 168 , 126 , 63 , 2 (Optional) | | |
| Obtain the IP address in the | unicast mode (it is not recommended) | | |
| | | | |
| | Save Cancel | | |

2. Static IP

Set when router is connected

 After accessing to 192.168.1.1 on the internet address bar, change the internet to (Static IP) from (Expert Setting)→ (Network Setting)
 → (WAN Interface Setting) and enter the given Static IP and click SAVE

| | | , M ^a | |
|---|----------------------------------|---|--|
| Basic Setting | WAN Interface Settings | | |
| Running Status | In this page, you can set the ba | asic network parameters of the WAN interface. | |
| Wireless Settings Wireless Security Settings | WAN Interface Connection Type | atc IP | |
| Expert Setting | IP Address | | |
| Network Settings | Subnet Mask | | |
| Operating Mode | Gateway | | |
| LAN Interface Settings | Packet MTU (b)te) | 1500 (Default: 1500. Do not modify it unless it is necessar | |
| WAN Interface Settings | DNS Server | | |
| PPTP VPN SERVER MAC Address Cloning | Secondary DNS Server | Captional) | |
| Ϋ Wireless Settings | | Save Cancel | |

2) Savings are completed when the screen turns white and back to its original form.

3. PPPoE (ADSL User)

Set when router is connected

 After inserting internet access address 192.168.1.1 go to [Expert Setting]→[Network Sertting]
 →[WAN Interface Setting] and change the internet connection form to [PPPoE] and insert the user ID and password of the telecommunication company that you have signed up, click SAVE

| Basic Setting | WAN Interface Settings | | | | |
|---|--|--|--|--|--|
| Running Status | In this page, you can set the basic network parameters of the WAN interface. | | | | |
| Wreless Settings Wireless Settings Wireless Security Settings | WAN Interface Connection Type | PPPQE | | | |
| Expert Setting | PP96E Connection | PPPoE Connections | | | |
| lietwork Settings | Usemame | poppe_user | | | |
| Coardino Mode | Password | | | | |
| LAN Interface Settings | Senice Name | (Optional) | | | |
| WAN Interface Settings | O Receive LSP's DALS O M | anually enter DNS | | | |
| PPTP VPN SERVER | DNS Server | | | | |
| Vireless Settings | Secondary DNS Server | (0stonal) | | | |
| O DHCP Server | Packet MTU (byte) | 1492 (Default 1492 Do not modify it unless it is necessary.) | | | |
| | Select the appropriate connection mode as required. | | | | |
| V Forwarding Kute | O Connect on Demand Ar | nomatically connect when access traffic is detected | | | |
| Security Options | Auto Disconnect Walking | Time 15 min (Cindicates entite submatically disconnect) | | | |
| Access Control | Auto: Automatically establish the connection while the device is rebooting or the connection is disconne Scheduled Automatically connect in a specified period | | | | |
| Routing Settings | | | | | |
| P Bandwidth Control | Note: When performing the timing connection function, click System Tools-Time Settings to set the current tin | | | | |

- 2) Savings are completed when the screen turns white and back to its original form.
- 3) After saving, confirm if the wired and wireless internet is working

Wireless default setting and security setting

- Available change wireless router's name and setting type of encryption.
- You can choose type of encryption (Not Certification, WEP, WPA-PSK, WPA-PSK2, etc.)

1. How to setting wireless security

Available change Subsystem Identification 1) (Wireless router's name) to easy for remember.

| Basic Setting | Wireless Basic Set | tings |
|---|----------------------------------|---|
| Running Status | In this page, you can set the I | basic network parameters of the wireless network of the router. |
| WAN Interface Settings Wireless Settings | Wireless Network | |
| Wireless Security Settings | Wireless Status | ⊙ wireless enable O wireless disable |
| Expert Setting | | Display multiple SSID |
| Network Settings | SSID1 | |
| Wireless Settings | | NetweeN Check Duplication Hidden Isolated |
| Babic Settings | Mode | 11b/a/n mixed mode |
| Wireless Security Settings Wireless MAC Address Filter Advanced Wireless Settings Wireless Client List WDS Settings WDS Settings DHCP Server Forwarding Rule Security Options | Channel | 6 Best Channel |
| | Broadcast Network Name (SSID) | Enable Disable |
| | MBSSID AP Isolation | O Enable O Disable |
| | BSSID | 00:25:A6:AB:4F:C0 |
| | Frequency Bandwidth | ○ 20 |
| | MCS | Auto |
| | Extension Channel | 10 |
| Access Control | | |
| Routing Settings | | Save Cancel |

2. How to check wireless security

1) You can choose type of encryption (Not Certification, WEP, WPA-PSK, WPA-PSK2, etc).

| Basic Setting | Wireless Security Settings | | |
|--|----------------------------|--|--|
| Running Status WAN Interface Settings | In this page, you can se | t the security parameters of a wireless network. | |
| Wireless Settings | Select SSID | | |
| Wireless Security Settings | SSID | NetweeN 🛩 | |
| Expert Setting | | | |
| Vetwork Settings | NetweeN | | |
| Wireless Settings | Security Mode | WPA-PSK/WPA2-PSK 💌 | |
| | WPA | | |
| Basic Settings | WPA Algorithms | | |
| Wireless Security Settings | | | |
| Wireless MAC Address Filter | Pass Phrase | 12345678 | |
| Advanced Wireless Settings | Key Renewal Interval | 3600 seconds | |
| Wireless Client List | | | |
| WPS Settings | | Save Cancel | |
| WDS Settings | | | |



For your security, we suggest that change Subsystem Identification (Wireless router's name)

We suggest to you setting the encryption type security (WEP/WPA-PSK) Your valuable data(Password, Credit card number, Internet banking) When connect wireless LAN.

Firmware Upgrade

- It is better to upgrade to the latest version periodically to increase function of Netween products.

1. Manual upgrade

- 1) Download the right firmware file as the router model through the homepage (<u>http://www.netween.co.kr</u>)
- 2) Click the left menu shown in the picture below
- 3) Click (Browse) and select the file that is downloaded
- 4) Click (Update)

5) It will take around 3 minutes for the firmware guide to be shown.

2. Automatic upgrade

- 1) Click (Update) next to auto FTP upgrade
- 2) Upgrade in progress
- 3) Due to overload of the server, the auto-upgrade process may not be smooth.
- Manual upgrade is recommended when autoupgrade cannot be processed.

| Basic Setting | Software Update | | |
|--|---|--|--|
| Running Status | Upgrade the Wireless routers Software to obtain new functionality. | | |
| Wireless Settings Wireless Settings Wireless Security Settings | Current Hardware Version 12.0 Current Software Version 12.1 Upload the Software will takes about 3 minutes. Phease keep power on and be patient during upgrading procedures. | | |
| Expert Setting | Caution! A compted image or power broken off during the upgrading will hang up the system. After finished the upgrade, the connections will be broke down when the system rebooting. | | |
| | Software Update | | |
| | Notice. After upgrade AP might lost its configurations. It is better to save your configuration to file before upgra | | |
| · Setup Wizard | Location; Update | | |
| Software Upgrade | Auto Upgrade | | |
| · Logout | Auto FTP Upgrade. Update | | |
| | 10 | | |
| | 12 | | |

Load Default Setting(RESET)

- Product will return to its initial settings as when was first manufactured.

After resetting, all settings will return to load default settings so user must set the settings again.



- 1. Connect the adapter to the router and check the status of the LED
- 2. There is a reset button at the back of the product.
- 3. By using objects that have a sharp point such as a pencil, press and hold the reset button for a while.
- 4. When the LEDs, except for the power switch, goes on again reset is completed.

FCC ID: N7SC340T

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. 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 can generate, use and radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications not expressily approved by the party responsible for compliance could void the users authority to operate the equipment.