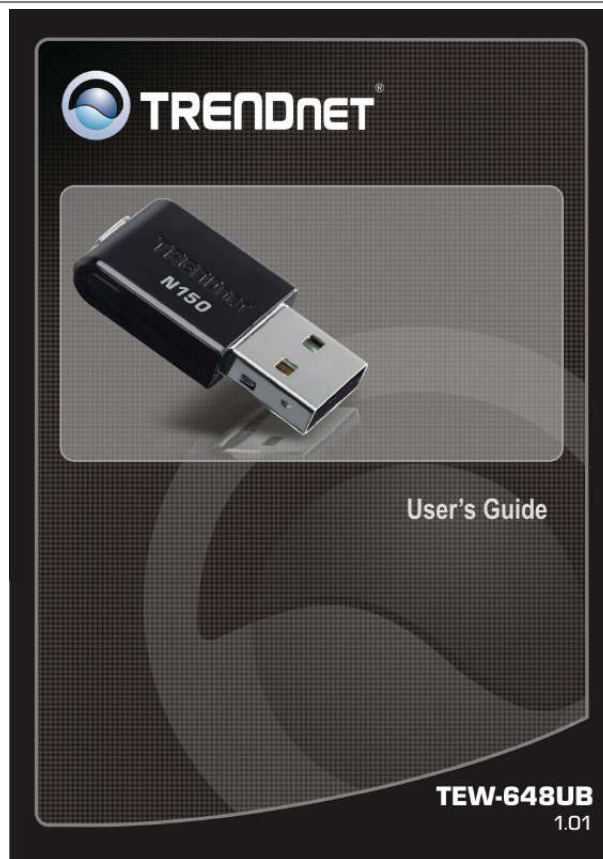




Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for TRENDNET TEW-648UB. You'll find the answers to all your questions on the TRENDNET TEW-648UB in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual TRENDNET TEW-648UB
User guide TRENDNET TEW-648UB
Operating instructions TRENDNET TEW-648UB
Instructions for use TRENDNET TEW-648UB
Instruction manual TRENDNET TEW-648UB



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Manual abstract:

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 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. **IMPORTANT NOTE: FCC Radiation Exposure Statement: This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. To maintain compliance with FCC RF exposure compliance requirements, please follow operation instruction as documented in this manual.**

This transmitter must not be colocated or operating in conjunction with any other antenna or transmitter.

SAR compliance has been established in typical laptop computer(s) with USB slot, and product could be used in typical laptop computer with USB slot. Other application like handheld PC or similar device has not been verified and may not compliance with related RF exposure rule and such use shall be prohibited. The availability of some specific channels and/or operational frequency bands are country dependent and are firmware programmed at the factory to match the intended destination. The firmware setting is not accessible by the end user. For Taiwan i Europe EU Declaration of Conformity This device complies with the essential requirements of the R&TTE Directive 1999/5/EC.

The following test methods have been applied in order to prove presumption of conformity with the essential requirements of the R&TTE Directive 1999/5/EC: EN60950-1: 2006 Safety of Information Technology Equipment EN 62311: 2008 Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz - 300GHz) EN 300 328 V1.7.1 (2006-10) Electromagnetic compatibility and Radio spectrum Matters (ERM); Wideband transmission systems; Data transmission equipment operating in the 2,4 GHz ISM band and using wide band modulation techniques; Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive EN 301 489-1 V1.8. I (2008-04) Electromagnetic compatibility and Radio Spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements EN 301 489-17 V1.3.2 (2008-04) Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 17: Specific conditions for 2,4 GHz wideband transmission systems and 5 GHz high performance RLAN equipment This device is a 2.4 GHz wideband transmission system (transceiver), intended for use in all EU member states and EFTA countries, except in France and Italy where restrictive use applies. In Italy the end-user should apply for a license at the national spectrum authorities in order to obtain authorization to use the device for setting up outdoor radio links and/or for supplying public access to telecommunications and/or network services. This device may not be used for setting up outdoor radio links in France and in some areas the RF output power may be limited to 10 mW EIRP in the frequency range of 2454 - 2483.5 MHz. For detailed information the end-user should contact the national spectrum authority in France. 0560 Cesky [Czech] TRENDnet tímto prohlašuje, že tento TEW-648UB je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ES. Undertegnede TRENDnet erklærer herved, at følgende udstyr TEW648UB overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.

Deutsch [German] Hiermit erklärt TRENDnet, dass sich das Gerät TEW-648UB in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 1999/5/EG befindet. Käesolevaga kinnitab TRENDnet seadme TEW-648UB vastavust ii Dansk [Danish] Eesti [Estonian] direktiivi 1999/5/EÜ põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele. English Hereby, TRENDnet, declares that this TEW-648UB is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. Por medio de la presente TRENDnet declara que el TEW-648UB cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE. TRENDnet TEW-648UB 1999/5/. Par la présente TRENDnet déclare que l'appareil TEW-648UB est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE. Con la presente TRENDnet dichiara che questo TEW-648UB è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE. Ar so TRENDnet izgatavotja nosaukums] deklar, ka TEW-648UB atbilst Direktivas 1999/5/EK būtiskajām prasībām un citiem ar to saistītajiem noteikumiem. Siuo TRENDnet deklaruoja, kad šis TEW-648UB atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas. Hierbij verklaart TRENDnet dat het toestel TEW-648UB in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG.

Hawnhekk, TRENDnet, jiddikjara li dan TEW-648UB jikkonforma mal-tiġiet essenzjali u ma provvedimenti orajni relevanti li hemm fid-Dirrettiva 1999/5/EC. Alulírott, TRENDnet nyilatkozom, hogy a TEW-648UB megfelel a vonatkozó alapvető követelményeknek és az 1999/5/EC irányelv egyéb előírásainak. Niniejszym TRENDnet owiadcza, że TEW-648UB jest zgodny z zasadniczymi wymogami oraz pozostałymi stosownymi postanowieniami Dyrektywy 1999/5/EC. TRENDnet declara que este TEW-648UB está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE. TRENDnet izjavlja, da je ta TEW-648UB v skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 1999/5/ES.

TRENDnet týmto vyhlasuje, že TEW-648UB spĺa základné požiadavky a všetky príslušné ustanovenia Smernice 1999/5/ES. TRENDnet vakuuttaa täten että TEW-648UB tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen. Härmed intygar TRENDnet att denna TEW-648UB står i överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.



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CONTENT Introduction ..

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.... 24 Technical Specifications .

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.... 25 iv INTRODUCTION Congratulations on your purchase of this Wireless N USB Adapter.

This manual contains detailed instructions regarding the operation of this product. Please keep this manual for future reference.

@@@@@@@@@@@@@@@@@@@@ Make sure the environment has minimal interference and obstructions. @@@@ Once the connection is successfully established between the AP and the adapter, the LED Fast Blink (3 blinks/second) will remain so SSID: Shows the current SSID, which must be the same as your wireless access point or router in order to establish the connection correctly. @@ Wireless Mode: Shows the current wireless mode used. 11 Encryption: Shows the current encryption mode used. TxRate: Shows the current data rate used for transmitting. Channel: Shows the current channel for communication. @@@@@@@@@@@@@@@@@@This is most common type of connection. @@@@ Select Open System, Shared Key for WEP data encryption feature.

Open or Shared Key Open System and Shared Key require the user to set a WEP key to exchange data with other wireless clients that have the same WEP key. WEP is considered basic level of wireless encryption, if you would like higher security connection, WPA2 encryption is recommended. Default Key: select one of the 4 keys to use. Network Key: choose the encryption way, either in HEX or ASCII formats, and enter the password in the blank space. Key Length: select 64 or 128 bits as the length of the keys Key Format: HEX or ASCII Key Length Type 64-bit 128-bit Hex characters 0-9, A-F, a-f 10 characters 26 characters ASCII alphanumeric format 5 characters 13 characters 13 WPAPSK / WPA2PSK If using the WPAPSK/WPA2PSK authentication method, please select the Encryption type for TKIP or AES then enter the Passphrase key. The minimum length is 8 characters. 14 WPA EAPTLS If using the WPA/WPA2 EAPTLS authentication method, please select the Encryption type for TKIP or AES then select the WPA/WPA2 Certificate from drop down list. 15 Site Survey This screen allows the user to scan for available wireless network. It also allows the user to establish wireless communications with an target device. Available Network displays the wireless networks (wireless clients, access points or routers) that are within range.

Select any one of the wireless networks by doubleclicking on it or select the SSID then click the "Connect" button. Click the "Refresh" button to scan for available networks. 16 Profile Profile The user can create and manage the created profiles for home, work or public areas. By doubleclicking on one of the created profile, the setting will adjust to the specific setting such as SSID, channel, and encryption as saved by that particular profile. Add: Adds a profile.

The following screen will appear. The user can enter the necessary information required for accessing the particular Access Point or Wireless Router. Remove: Deletes the selected profile Edit: Edit an exist profile. The screen will back to profile. Edit the SSID and select the Wireless Mode, Authentication and Encryption then click Apply to save the profile.

When the Profile name was changed, a new profile will be added in the list. 17 Connect: Selected a profile from list then click the Connect to connecting to the wireless network with the profile setting. 18 WPS WiFi Protected Setup (WPS) is an optional certification program from the WiFi Alliance that is designed to ease the task of setting up and configuring security on a wireless network. There are two methods used in the WPS as below instruction. Push the button on my access point Using the WPS configuration with the "Push the button on my access point" method, the configuration steps as below: 1) Selected the "Push the button on my access point". 2) Push the WPS configuration button on your wireless access point or router. 3) Click the Next button start the WPS configuration. 19 4) If the WPS configuration was successful, the follow window will show on. 5) If the WPS configuration was failed, the follow window will show on. 20 Enter a PIN into my access point Using the WPS configuration with the "Enter a PIN into my access point" method, the configuration steps as below: 1) Selected the "Enter a PIN into my access point", the PIN will be show on the button of the windows.

2) Enter the PIN code into the WPS "Clint PIN number" of you wireless access point or router then click the Start PIN button, the wireless access point or router will start the WPS configuration process. 3) Selected a wireless access point or router which one will be connecting then click the Next button start the WPS configuration. If the "Automatically select the network" was checked, the setup step will be skip. 21 22 4) If the WPS configuration was successful, the follow window will show on. 5) If the WPS configuration was failed, the follow window will show on. 23 About This screen displays information about the Wireless N USB Adapter, such as the Driver and Utility version. When a new version of the utility becomes available for upgrade, users will be able to identify by version numbers. 24 TECHNICAL SPECIFICATIONS Hardware Interface Standards Antenna LED Indicator Supported OS Dimensions Temperature Humidity Certification USB 2.0 Compliant IEEE 802.11n draft v2.
0, IEEE 802.11b and IEEE 802.11g Integrated Printed Antenna Activity and WPS Windows 2000, XP (32/64bit), Vista (32/64bit) 33.9 x 17 x 7mm (1.3 x 0.7 x 0.3in) Operating: 0° ~ 40° C (32° ~ 104° F) Storage: 10° ~ 70° C (14° ~ 158° F) 10% ~ 95% max (Noncondensing) CE, FCC Wireless Module Technique Frequency Media Access Protocol Data Rate (auto fallback) 802.11b: CCK (11 and 5.5Mbps), DQPSK (2Mbps), DBPSK (1Mbps) 802.11g/802.11n: OFDM 2.412 ~ 2.484 GHz (Industrial Scientific Medical Band) CSMA/CA with ACK 802.



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11b: 11Mbps, 5.5Mbps, 2Mbps, and 1Mbps 802.11g: 54Mbps, 48Mbps, 36Mbps, 24Mbps, 18Mbps, 12Mbps, 9Mbps and 6Mbps 802.11n: up to 150Mbps 16dBm (typically) @ 802.11b 13dBm (typically) @ 802.11g 11dBm (typically) @ 802.11n 802.

11b: 84dBm (typical) at 11Mbps 802.11g: 68dBm (typical) at 54Mbps 802.11n: 65dBm at 150Mbps 64/128bit WEP (Hex/ASCII), WPA/WPA2, WPAPSK/WPA2PSK 1~11 Channels (FCC); 1~13 Channels (ETSI) Output Power Receiving Sensitivity Security Channels 25 Limited Warranty TRENDnet warrants its products against defects in material and workmanship, under normal use and service, for the following lengths of time from the date of purchase. TEW648UB 3 Years Warranty AC/DC Power Adapter, Cooling Fan, and Power Supply carry 1 year warranty. @@@@ Replacement products may be new or reconditioned. TRENDnet does not issue refunds or credit. Please contact the pointofpurchase for their return policies. @@ There are no user serviceable parts inside the product. Do not remove or attempt to service the product by any unauthorized service center. This warranty is voided if (i) the product has been modified or repaired by any unauthorized service center, (ii) the product was subject to accident, abuse, or improper use (iii) the product was subject to conditions more severe than those specified in the manual.

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