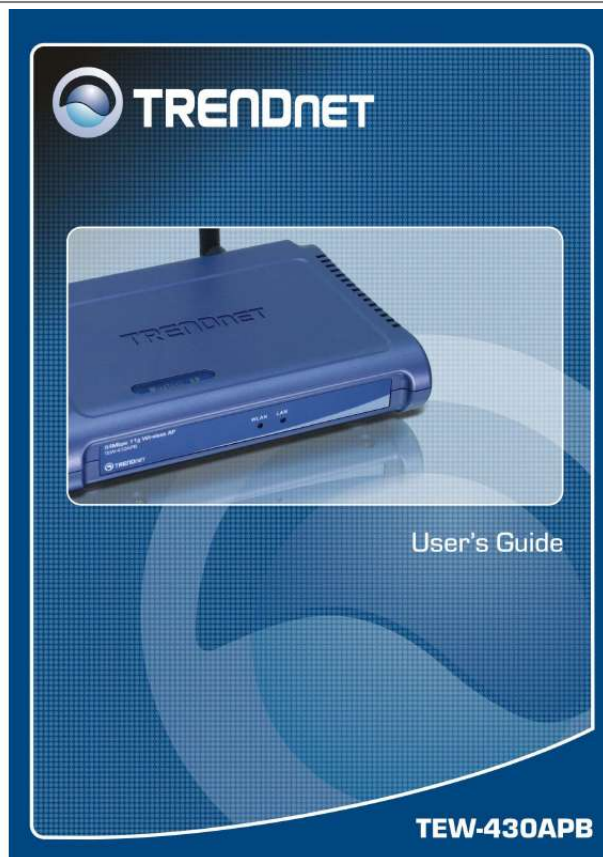




Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for TRENDNET TEW-430APB. You'll find the answers to all your questions on the TRENDNET TEW-430APB 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-430APB
User guide TRENDNET TEW-430APB
Operating instructions TRENDNET TEW-430APB
Instructions for use TRENDNET TEW-430APB
Instruction manual TRENDNET TEW-430APB



[You're reading an excerpt. Click here to read official TRENDNET TEW-430APB user guide](http://yourpdfguides.com/dref/3956774)
<http://yourpdfguides.com/dref/3956774>

.....
.....

.....
.....
.....

.....
.....
.....

..... *4 Configuring the Wireless LAN Access Point..*

.....
.....
.....

.....
.....
.....

.....
.....

... *6 Login to the Wireless AP through WLAN ..*

.....

.....
.....
.....

.....
.....
.....

..... *6 Login.*

.....
.....
.....

.....
.....
.....

.....
.....
.....

.....
.....
.....

.....
.....
.....

..... *6 Main Screen of the Access Point..*

.....
.....
.....
.....

.....
.....
.....

.....
.....
.....

.... 7 Wizard.....

.....
.....
.....

.....
.....
.....

.....
.....
.....

.....
.....
.....

.....
.....
.....

. 8 Status.....

.....
.....
.....

.....
.....
.....

.....
.....
.....

.....
.....
.....

..... 10 Basic Setting ..

.....
.....
.....

.....
.....
.....

.....

.....
.....
.....

.....
.....
.....
.....

... 12 Access Point Mode ..

.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

..... 12 AP Client mode.....

.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

... 15 WDS mode.....

.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....

..... *18 AP+WDS mode ..*

.....
.....
.....

.....

.....
.....
.....

.....

.....
.....
.....

.....

.....
.....
.....

..... *22 Repeater mode*

.....
.....
.....

.....

.....
.....
.....

.....

.....
.....
.....

.....

.....
.....
.....

..... *23 IP Setting*

.....
.....
.....

.....

.....
.....
.....

.....

.....
.....
.....

.....

.....
.....
.....

..... *26 Advanced Setting.*

.....
.....

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....

.. 30 iv **ABOUT THIS GUIDE** Congratulations on your purchase of this IEEE 802.11g Wireless LAN Access Point. This manual helps to features the innovating wireless technology that can help you build a wireless network easily! This manual contains detailed instructions in operation of this product. Please keep this manual for future reference. With a WLAN (IEEE 802.11g) Access Point, a mobile computer can share data with another mobile computer in a wireless way. Easy-to-use utilities are bundled with WLAN Access Point for configuration and monitoring purposes. WLAN networking can wirelessly transmit and receive data, minimizing the need for wired connections, at a speed of up to Fifty-four megabit per second. With WLAN networking, you can locate your PC wherever you want without wires and cables. WLAN networking provides users with an access to real-time information anywhere in their organization. The mobility provides productivity and service, which are not available under wired networks. Purpose This manual discusses how to install the WLAN Access Point. Overview of this User's Guide Introduction. Describes the WLAN Access Point and its features. Unpacking and Setup. Helps you get started with the basic installation of the WLAN Access Point. Hardware Installation. Describes the LED indicators of the AP. Software Installation. Tells how to setup the driver and the utility setting. Technical Specifications. Lists the technical (general, physical and environmental) specifications of the WLAN Access Point.



[You're reading an excerpt. Click here to read official TRENDNET TEW-430APB user guide](http://yourpdfguides.com/dref/3956774)
<http://yourpdfguides.com/dref/3956774>

1 UNPACKING AND SETUP This chapter provides unpacking and setup information for the Access Point. Unpacking Open the box of the Access Point and carefully unpack it. The box should contain the following items: One Wireless Access Point One external power adapter One Multi-Language Quick Installation Guide One CD-Rom (User's guide) If any item is found missing or damaged, please contact your local reseller for replacement. Setup The setup of the Wireless Access Point can be performed using the following steps: Locate an optimum location for the Wireless LAN Access Point (AP). The best place for your AP is usually the center of your wireless network, with line of sight to all of your mobile stations. Visually inspect the Ethernet RJ45 port connector and make sure that it is fully plugged in to the system's Ethernet switch/hub port.

Fix the direction of the antennas. Try to place the AP in a position that can best cover your wireless network. Normally, the higher you place the antenna, the better the performance will be. The antenna's position enhances the receiving sensitivity. Visually inspect if the Power Adapter was fully plugged to the device power jack. **2 HARDWARE INSTALLATION** Front panel The figure below shows the LED Indicator of the Wireless LAN Access Point. WLAN: The indicator blinking green whiles the wireless LAN activity. LAN (Link/ACT): The indicator lights green when the LAN port is connected to a Ethernet network successful. Otherwise, the indicator blinking green while LAN: Shows the Mac address, IP address (default: 192.168.

1.100), Subnet Mask, Gateway Address. @@@@The new settings are now been saved to Access Point and will be effective once the Access Point restarts. AP Client mode Configure the AP to AP Client mode; the AP will be a wireless Ethernet adapter transforms any Ethernet-enabled devices to have the wireless function. AP Client mode application 15 AP Client mode configuration @@@@Site Survey: This button allows user to enable the Site Survey function to scan for the available wireless network (wireless clients and Access Points) and establish wireless communications with one.

Selected one of them in list to establish communications and click "Connect" button. @@There are four options: Open system; Shared Key; WPA-PSK and WPA2-PSK. User may want to set to Shared Key when the clients and AP in the same wireless network enable the WEP encryption. 16 @@@@Note: When WEP security is enabled, all the wireless clients that wish to connect to the Access Point must also have WEP enabled with the identical WEP Key value entered. WPA-PSK / WPA2-PSK: If WPA-PSK or WPA2-PSK is selected, user needs to set the key in the passphrase field as the below screen. The key length should be 8 characters at least. 17 @@The new settings are now been saved to Access Point and will be effective once the Access Point restarts. Note: For entering to the Web Setting page after changing to AP Client mode, change your PC/Notebook IP address to 192.168.1.x. After changing your IP address, type 192.168.1.100 on the Web browser to enter the setting of this Wireless AP.

WDS mode With WDS (Wireless Distribution System) mode, user can use wireless media to communicate two or more LANs through the AP with WDS mode, all of the LAN will be combined in the WDS group, for example: Single WDS group application: When there are three APs joined to the WDS group, one of the AP in WDS mode will be the Master, the other two APs will be the Slave, all of the APs in the WDS group must use the same wireless channel and the same security setting, the Master need to fill all the Slave's MAC address in the "Remote AP Mac" list, and the Slave need to fill the Master's MAC address in the "Remote AP Mac" list, the maximum of one Master can join eight Slave to be one WDS group. In this example, LAN-A can communicate with LAN-B and LAN-C, and LANB can communicate with LAN-C through the AP-A. All of LANs will be at the same LAN environment coming through LAN-A. WDS mode application (Single WDS group) 18 Master setting (AP-A) Slave setting (AP-B and AP-C) WDS mode configuration for Example-1 Multiple WDS group application: When there are five APs to be join into two separated WDS group, the member of WDS group 1 is AP-A, AP-B and AP-C, and member of the WDS group 2 is AP-C, AP-D and AP-E, the AP-C will join both of WDS group 1 and WDS group 2, each WDS Group 1 will be one master and the other will be slave. The AP-A and AP-C will be both as a Master AP for both WDS Groups, the APA represent for the master of WDS Group 1, the AP-C represent for the master of the WDS Group 2 and at the same time AP-C will be the slave of WDS Group 1, so all of the APs in the two WDS groups must use the same wireless channel and same security, the Master need to fill all of Slave's MAC address in the "Remote AP Mac" list, and the Slave need to fill the Master's MAC address in the "Remote AP Mac" list, maximum allow one Master can be join eight Slaves to be one WDS group. In this example, LAN-A can communicate with LAN-B and LAN-C, and LANB can communicate with LAN-C through the AP-A. LAN-B will have the same LAN environment coming through LAN-A. LAN-E can communicate with LAN-B and LAN-D, LAN-E can communicate with LAN-D through AP-C, LAN-E can communicate with LAN-

B through APC and AP-A, LAN-E will have the same LAN environment coming through LAN-A. 19 WDS mode application (Multiple WDS group) Master setting (AP-A, WDS Group 1) Slave setting (AP-B, WDS Group 1) 20 Master setting (AP-C, WDS Group 2) Slave setting (AP-D and AP-E, WDS Group 2) WDS mode configuration for Example-2 21 AP+WDS mode With WDS+AP mode, user can use wireless media to communicate two or more LANs through the AP with WDS+AP mode, all of LAN will be combined in the WDS group and WLAN client can access to the AP with AP+WDS mode. WDS+AP mode application AP configuration WDS configuration Please refer the AP mode and WDS mode for detail configuration.

22 Repeater mode Configure the AP to Repeater mode; the AP will be a wireless LAN repeater that will be extended the WLAN coverage range. Repeater mode application Repeater mode configuration @@ 23 Site Survey: This button allows user to enable the Site Survey function to scan for the available wireless network (wireless clients and Access Points) and establish wireless communications with one. Selected one of them in list to establish communications and click "Connect" button. @@There are four options: Open system; Shared Key; WPA-PSK and WPA2-PSK. User may want to set to Shared Key when the clients and AP in the same wireless network enable the WEP encryption. @@@@Note: When WEP security is enabled, all the wireless clients that wish to connect to the Access Point must also have WEP enabled with the identical WEP Key value entered.



[You're reading an excerpt. Click here to read official TRENDNET TEW-430APB user guide](http://yourpdfguides.com/dref/3956774)
<http://yourpdfguides.com/dref/3956774>

24 WPA-PSK / WPA2-PSK: If WPA-PSK or WPA2-PSK is selected, user needs to set the key in the passphrase field as the below screen. The key length should be 8 characters at least. @@The new settings are now been saved to Access Point and will be effective once the Access Point restarts. 25 IP Setting This page allows user to configure the IP and DHCP settings of the Access Point.

The default IP address of this access point is 192.168.1.100 with the subnet mask of 255.255.255.0. User can type in other values for IP Address, Subnet Mask and Gateway and click "Apply" button for the changes to be effective. User can also set the Access Point to obtain the IP from a DHCP server, but it is not recommended. Select the option "Obtain IP Automatically" and click "Apply" button for the changes to be effective.

DHCP Server: It is not recommended to enable the DHCP Server if user has a DHCP server running in LAN network because it probably will cause possible the conflict of IP assignment. Enable the DHCP server function by selecting the option "On", and enter the IP range. DNS Server: Type up to DNS IP address in the text boxes. Your ISP will provide you with this information. Click "Apply" for the changes to be effective 26 Advanced Setting This page contains configurations for advanced users, which the change reflects the wireless performance and operating modes. Beacon Interval: To set the period of time in milliseconds that AP sends out a beacon. Default is 100 milliseconds. RTS Threshold: To set the size of RTS/CTS packet size. Default is 2432 bytes. Fragmentation Threshold: To set the number of bytes used for the fragmentation boundary for directed messages.

Default is 2436 bytes. DTIM Interval: This value indicates the interval of the Delivery Traffic Indication Message (DTIM). A DTIM field is a countdown field informing clients of the next window for listening to broadcast and multicast messages. When the access point has buffered broadcast or multicast messages for associated clients, it sends the next DTIM with a DTIM interval value. Access point clients hear the beacons and awaken to receive the broadcast and multicast messages.

SSID Broadcast: While SSID Broadcast is enabled, all wireless clients will be able to communicate with the access point. For secure purpose, user may want to disable SSID broadcast to allow only those wireless clients with the AP SSID to communicate with the access point. Mode Setting: To setting the AP operation mode for 802.11g only or 802.11b/802.

11g mix mode TX Rates: Select one of the wireless communications transfer rates, measured in megabytes per second, based upon the speed of wireless adapters connected to the WLAN. TX power: To set the transmit power. 27 Security This page is where user configures the security features supported by this Access Point. Password: Allow user to change the new login password. Here are the necessary steps: 1. Enter the new password in the "AP Password New:" field. 2. Enter the new password again in the "Confirm" field. 3. @@@@Restore Settings: Click on the "Browse" button to open a FileOpen Dialog box, where user gets to select the file, which saves previous settings and configurations.

Upon selecting the saved file, click "Restore" and complete the restore process when the access point re-operates after it restarts. Restore to default settings: Click on "Default" button to restore the access point back to its manufacture default settings. Firmware Upgrade: Click on the "Browse" button to open a FileOpen Dialog box, where gets to select the firmware file, which download from the web for the latest version. Upon selecting the firmware file, click "Upgrade" and complete the firmware upgrade process when the Access Point re-operates after it restarts. 29 TECHNICAL SPECIFICATIONS General Standards IEEE 802.11b/g IEEE 802.3u 10/100BASE-TX Fast Ethernet Signal Type: DSSS (802.11b) OFDM (802.11g) Modulation: LED Indicators: Frequency QPSK / BPSK / CCK / OFDM Power, LAN (Link/Activity), WLAN (Link) 2412 MHz ~ 2462 MHz (FCC) 2412 MHz ~ 2472 MHz (ETSI) 2400 MHz ~ 2484 MHz (Japan) Channel Data Encryption: Data Transfer Rate 1~ 14 Channels *Local Regulatory Restrictions May Apply. 64 bit / 128 bit WEP Encryption, WPA, WPA2, WPA-PSK, WPA2-PSK Fast Ethernet: 10/100Mbps Wireless: Up to 54Mbps (with Automatic Scale Back) Receiver Sensitivity 54Mbps: Typical -68 dBm @10% PER 11Mbps: Typical -81 dBm @8% PER Transmit Power 802.

11g: Minimum 13dBm typically 802.11b: Minimum 15dBm typically Transmission Range: Outdoor: 100~300M (depends on environment) Indoor: 50~100M (depends on environment) Network Cables Interface Antenna: 2-pair UTP/STP Cat. 3,4,5 (100 m) 1 x 10/100Mbps RJ45 port 1 x 2 dBi Dipole Antenna Physical and Environmental DC inputs DC 7.5V /1A 30 Power Consumption Temperature Humidity Dimensions EMI: 4.2W (Max) Operating: 0 ~ 40 oC, Storage: -10 ~ 70 oC Operating: 10% ~ 90%, Storage: 5% ~ 90% 140 x 98 x 30 mm (W x H x D) without Antenna FCC Class B, CE Mark B, 31 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.

Wireless Three years If a product does not operate as warranted above during the applicable warranty period, TRENDnet shall, at its option and expense, repair the defective product or deliver to customer an equivalent product to replace the defective item. All products that are replaced will become the property of TRENDnet. Replacement products may be new or reconditioned. TRENDnet shall not be responsible for any software, firmware, information, or memory data of customer contained in, stored on, or integrated with any products returned to TRENDnet pursuant to any warranty. There are no user serviceable parts inside the product.

Do not remove or attempt to service the product through 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. Warranty service may be obtained by contacting TRENDnet office within the applicable warranty period for a Return Material Authorization (RMA) number, accompanied by a copy of the dated proof of the purchase. Products returned to TRENDnet must be pre-authorized by TRENDnet with RMA number marked on the outside of the package, and sent prepaid, insured and packaged appropriately for safe shipment.

WARRANTIES EXCLUSIVE: IF THE TRENDNET PRODUCT DOES NOT OPERATE AS WARRANTED ABOVE, THE CUSTOMER'S SOLE REMEDY SHALL BE, AT TRENDNET'S OPTION, REPAIR OR REPLACEMENT. THE FOREGOING WARRANTIES AND REMEDIES ARE EXCLUSIVE AND ARE IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, EITHER IN FACT OR BY OPERATION OF LAW, STATUTORY OR OTHERWISE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.



[You're reading an excerpt. Click here to read official TRENDNET TEW-430APB user guide](http://yourpdfguides.com/dref/3956774)
<http://yourpdfguides.com/dref/3956774>

TRENDNET NEITHER ASSUMES NOR AUTHORIZES ANY OTHER PERSON TO ASSUME FOR IT ANY OTHER LIABILITY IN CONNECTION WITH THE SALE, INSTALLATION, MAINTENANCE OR USE OF TRENDNET'S PRODUCTS. TRENDNET SHALL NOT BE LIABLE UNDER THIS WARRANTY IF ITS TESTING AND EXAMINATION DISCLOSE THAT THE ALLEGED DEFECT IN THE PRODUCT DOES NOT EXIST OR WAS CAUSED BY CUSTOMER'S OR ANY THIRD PERSON'S MISUSE, NEGLIGENCE, IMPROPER INSTALLATION OR TESTING, UNAUTHORIZED ATTEMPTS TO REPAIR OR MODIFY, OR ANY OTHER CAUSE BEYOND THE RANGE OF THE INTENDED USE, OR BY ACCIDENT, FIRE, LIGHTNING, OR OTHER HAZARD. LIMITATION OF LIABILITY: TO THE FULL EXTENT ALLOWED BY LAW TRENDNET ALSO EXCLUDES FOR ITSELF AND ITS SUPPLIERS ANY LIABILITY, WHETHER BASED IN CONTRACT OR TORT (INCLUDING NEGLIGENCE), FOR INCIDENTAL, CONSEQUENTIAL, INDIRECT, SPECIAL, OR PUNITIVE DAMAGES OF ANY KIND, OR FOR LOSS OF REVENUE OR PROFITS, LOSS OF BUSINESS, LOSS OF INFORMATION OR DATA, OR OTHER FINANCIAL LOSS ARISING OUT OF OR IN CONNECTION WITH THE SALE, INSTALLATION, MAINTENANCE, USE, PERFORMANCE, FAILURE, OR INTERRUPTION OF THE POSSIBILITY OF SUCH DAMAGES, AND LIMITS ITS LIABILITY TO REPAIR, REPLACEMENT, OR REFUND OF THE PURCHASE PRICE PAID, AT TRENDNET'S OPTION. THIS DISCLAIMER OF LIABILITY FOR DAMAGES WILL NOT BE AFFECTED IF ANY REMEDY PROVIDED HEREIN SHALL FAIL OF ITS ESSENTIAL PURPOSE.

Governing Law: This Limited Warranty shall be governed by the laws of the state of California. Note: AC/DC Power Adapter, Cooling Fan, and Power Supply carry 1-Year Warranty 32 33 .



[You're reading an excerpt. Click here to read official TRENDNET TEW-430APB user guide](http://yourpdfguides.com/dref/3956774)
<http://yourpdfguides.com/dref/3956774>