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You can read the recommendations in the user guide, the technical guide or the installation guide for TRENDNET TEW-410APB. You'll find the answers to all your questions on the TRENDNET TEW-410APB in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

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TEW-410APB
Wireless 802.11g AP

User's Manual

Version 1.4

User's Guide



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Manual abstract:

11g AP User's Manual Version 1.4 User's Guide 0 Copyright Statement No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, whether electronic, mechanical, photocopying, recording, or otherwise without the prior writing of the publisher.

July, 2003 User's Guide 1 Contents 1. Introduction.....

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...19 4.9. @@@@22 User's Guide 2 1. Introduction Thank you for purchasing your AP Wireless 802.11g AP. This user guide will assist you with the installation procedure.

@@@@To ensure proper operation, please keep the unit away from water and other damaging elements. Please read the user manual thoroughly before you install the device. The device should only be repaired by authorized and qualified personnel. Please do not try to open or repair the device yourself. Do not place the device in a damp or humid location, i.

e. a bathroom. The device should be placed in a sheltered and non-slip location within a temperature range of +5 to +40 Celsius degree. Please do not expose the device to direct sunlight or other heat sources. The housing and electronic components may be damaged by direct sunlight or heat sources.

User's Guide 4 3. Hardware Installation Front Panel The front panel provides LED's for device status. Refer to the following table for the meaning of each feature. LED STATUS Description PWR/STAT Off No power 1. Power on 2. Reset to default 3. Firmware upgrade (first 1 Green On minute) Green 1. System up 2. Power on 3. Firmware upgrade Blink Link Off no Ethernet link detected Green On 10/100Mbps Fast Ethernet link detected.

No activity. Green Indicates data traffic on the 10/100 Mbps LAN Blink Green Indicates the device is linking or active data through wireless Active Blink links Rear Panel The rear panel features 1 LAN ports and Reset button. Refer to the following table for the meaning of each feature. Used to connect to the power outlet. Only use the power adapter provided with the device. Use of an unauthorized Power (DC 5v) power adapter may cause damage to your device and violate your warranty. Press the Reset Button for approximately ten seconds, all Reset configurations will set to factory default settings. The RJ-45 Ethernet ports used to connect your PC, hub, LAN switch or Ethernet network. AP Default Settings The default settings are shown following. User admin Password admin AP IP Address 192.

168.1.250 AP Subnet Mask 255.255.255.

0 RF ESSID ap11g 11g RF Channel 6 Mode 11b+g Encryption Disabled User's Guide 5 4 Web Management Settings TURN ON POWER SUPPLY Quick power cycle can caused system corruption. When power on, be careful not to shut down in about 5 seconds, because data is writing to the flash. START UP & LOGIN In order to configure the Wireless 11g AP, you must use your web browser and manually input http://192.168.1.

250 into the Address box and press Enter. The Main Page will appear. To start configure the Wireless 11g AP, you must login as "admin" in the User Name box. And input password "admin" on the password section. Once you have logged-in as administrator, it is a good idea to change the administrator password to ensure a secure protection to the Wireless 11g AP. The Security Settings section described later in this manual describes how to change the password.

Once you have input the correct password and logged-in, the screen will change to the Setup page screen. User's Guide 6 4.1. Primary Setup MAKE CORRECT NETWORK SETTINGS OF YOUR COMPUTER To change the configuration, use Internet Explorer (IE) or Netscape Communicator to connect the WEB management 192.

168.1.250. Primary Setup This screen contains all of the AP' basic setup functions. s . Most users will be able to configure the AP and get it working properly using the settings on this screen. LAN IP Address and Subnet Mask: This is the AP' IP Address and Subnet Mask as seen on the s internal LAN. The default value is 192.168.1.

250 for IP Address and 255.255.255.0 for Subnet Mask. User's Guide 7 Wireless: This section provide the Wireless Network settings for your WLAN Wireless Settings SSID: The service set identifier (SSID) or network name.

@@@@@Security: There are 3 types of security to be selected. @@@@TKIP stands for Temporal Key Integrity Protocol.

@@@@@You can select between TKIP or AES. Please input the Pre-Shared Key. The key should be 8 characters or 63 characters in alphanumeric. Please input the period of renewal time. @@@@You can select between TKIP or AES. Please input your RADIUS Server IP address. Please input the Authentication port of your RADIUS server. @@@@Please input the period of renewal time. @@@@Then, type it again into the Re-enter to confirm. * Click the Apply button to save the setting. @@@@Note: Any settings you have saved will be lost when the default settings are restored. Click the No button to disable the Restore Factory Defaults feature. Click the Apply button to save the setting.

Backup/Restore Setting: Click Backup to store the Access Point's configuration on your local PC. Click Restore to restore Access Point's configuration from your local PC * Check all the settings and click Apply to save them. User's Guide 11 4.3. Operating Mode Access Point: This mode provides access for wireless stations to wired LANs and from wired LANs to wireless stations. User's Guide 12 AP Repeater: This mode allows the AP to keep the AP function role and at the same time performing a communication with other 802.11g AP to establish and extend your Wireless Network cover. Please enter the Remote Access Point's MAC address to enable this feature. Wireless Bridge: This mode allows the connection of one or more remote LANs with a central LAN. * Click Apply to save your settings.

User's Guide 13 4.4. Status This screen displays the IEEE 802.11g AP' current status and settings. This information is read-only.

s This page will auto re-flash every 5 seconds to keep most update information. LAN section will be displaying all information related on AP, such as the IP address and the current configuration type. Wireless section will be displaying information related on the Wireless interface, such as SSID, Channel,

Encryption and statistics of network traffic. *Click the Refresh button to refresh the AP' status and settings. s User's Guide 14 4.

5 Traffic Log Traffic Log: The AP can keep logs of all incoming or outgoing traffic for your network traffic. This feature is disabled by default. To keep activity logs, select Enable. To keep a permanent record of activity logs as a file on your PC's hard drive, Log viewer software must be used. In the Send Log to field, enter the fixed IP address of the PC running the Log viewer software.



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The AP will send updated logs to that PC. To see a temporary log of the AP's most recent traffic, click the View Log button.. Click the Apply button to save the setting. User's Guide 15 4.

6 Access Control Access Control: This function will allow administrator to have access control by enter MAC address of client stations. When Enable this function, two new options will show up. Depend on the filtering propose, it can be selected to Deny or Allow. Fill the client stations MAC list to complete the configuration. The table could store up to 40 different MAC addresses. Please follow the format that it required when an address is input. * Click Apply to save your settings. User's Guide 16 4.7 Advanced Wireless Authentication Type: Auto: Auto is the default authentication algorithm. It will change its authentication type automatically to fulfill client's requirement.

Open System: Open System authentication is not required to be successful while a client may decline to authenticate with n the AP's settings before you upgrade its firmware. To upgrade the AP's firmware: 1. Download the firmware upgrade file from the internet. 2. Extract the firmware upgrade file.

3. Click the Firmware Upgrade button. 4. On the Firmware Upgrade screen, click the Browse button to find the firmware upgrade file. User's Guide 20 5. Double-click the firmware upgrade file. 6. Click the Upgrade button, and follow the on-screen instructions. Note: Do not power off the AP or press the Reset button while the firmware is being upgraded. User's Guide 21 5. Troubleshooting Basic Functions My Wireless AP will not turn on. No LED's light up. Cause: The power is not connected. @@Note: Only use the power adapter provided with your AP. Using any other adapter may damage your AP.

LAN Connection Problems I can't access my AP. Cause: The unit is not powered on. There is not a network connection. The computer you are using does not have a compatible IP Address. Resolution: Make sure your AP is powered on. Make sure that your computer has a compatible IP Address. @@@@I can't connect to other computers on my LAN. Cause: The IP Addresses of the computers are not set correctly. Network cables are not connected properly. Windows network settings are not set correctly.

Resolution: Make sure that each computer has a unique IP Address. And the IP must be in the same subnet as the AP. Make sure that the Link LED is on. If it is not, try a different network cable. Check each computer for correct network settings.

User's Guide 22 Wireless Troubleshooting I can't access the Wireless AP from a wireless network card Cause: Out of range. IP Address is not set correctly.

Resolution: Make sure that the Mode, SSID, Channel and encryption settings are set the same on each wireless adapter. Make sure that your computer is within range and free from any strong electrical devices that may cause interference. Check your IP Address to make sure that it is compatible with the Wireless AP.

You can find the most recent software and user documentation on the TRENDware website. TRENDware provides free technical support for all customers for the duration of the warranty period on this product. TRENDware Technical Support Tel: +1-310-891-1100 Fax: +1-310-891-1111 E-mail: support@trendware.com www.trendware.com Support Hours: 7:30AM ~ 6:00PM, Monday ~ Friday (except holidays) Technical Support User's Guide 23 .



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