SZHUASHI

Wireless Network Card User Manual

www.sz-huashi.com

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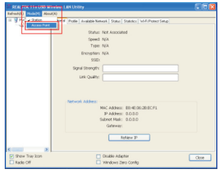
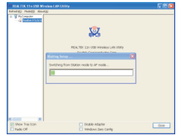
Note: According to the operating system to choose the corresponding version of the driver for installation (Download address,http://www.sz-huashi.com)

01. After finish driver installation, double click on the desktop or click in the taskbar at right bottom corner to open the driver software;

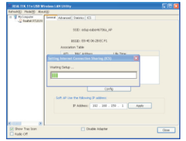
02. Click "Mode(M)", then choose "Access Point" mode;



03. Switching from "Station mode" to "AP mode", as following:

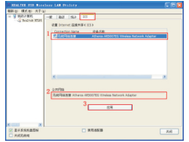


Setting Internet Connection Sharing(ICS);meanwhile, the icon changes from to

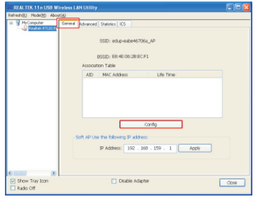


Do not interrupt during switching, after finishing, it shows as following:

04.Click "ICS" as the 1st step, choose the network adapter which is connecting the network as the 2nd step, click "Apply" as the 3rd step;



05. Click the "General" then click "Config";



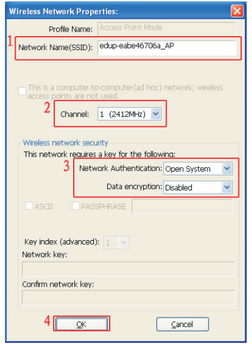
06. The "Wireless Network Properties" dialog box will show as following:

1st Step: You can change the SSID;

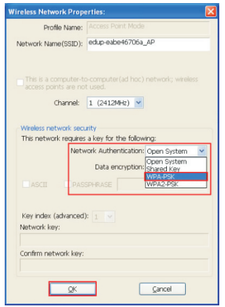
2nd Step: You can choose a Channel, the default is "1 (2412MHz)"

3rd Step: There are two ways to set the network key:

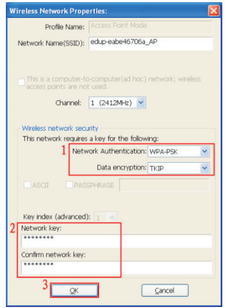
1). Open System, there is no password



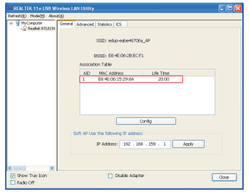
2) "WPA-PSK", click "Network Authentication", then choose the "WPA-PSK"



The "Data encryption" will show as follow, then put a Network key and confirm, click "OK";



07. The "Association Table" will list the devices which are connecting your AP, show as following:



1. Install according to the schematic diagram

2. After wireless USB adapter is connected to PC, install the driver

3. The output power shall be adjusted by professionals in accordance with the requirements of the FCC regulations

Professional installation statement:

This device is a wireless USB adapter, This product adopts the specified amplifier and antenna,which will always be marketed and used as a completesystem, and always be in its authorized configuration, andthen input special code by professional installer to install according to the requirements of FCC regulations

This equipment is professional installation, relevant warnings and instructions are as follows:
1. Installation personal
This product is designed for specific application and needs to be installed by a qualified personal who has RF and related rule knowledge. The general user shall not attempt to install or change the setting.

2. Installation location
The product shall be installed at a location where the radiating antenna can be kept 20cm from nearby person in normal operation condition to meet regulatory RF exposure requirement

3. External antenna
Use only the antennas which have been approved by the applicant. The non-approved antenna may produce unwanted spurious or excessive RF transmitting power which may lead to the vioation of FCC/IC limit and is prohibited.

4. Installation procedure
Please refer to user's manual for the detail

5.Warning
Please carefully select the installation position and make sure that the fianl output power does not exceed the limit set force in relevant rules. The violation of the rule could lead to serious federal penalty

PRODUCT MANUAL

Product Description

The 5.8 GHz WLAN signal booster is designed for IEEE 802.11a/n Wireless LAN applications. It adopts the direct sequence spread spectrum (DSSS) and orthogonal frequency division multiplexing (OFDM) technology of WLAN communication. The product is compatible with time-division duplexing (TDD) method of WLAN and using rapid microwave detection technology to provide high linearity amplification. The signal booster can work with most WLAN/Wi-Fi devices and increase the WLAN signal strength, therefore a larger WLAN coverage and more stable transmission rate.

Applications

- Wireless LAN 802.11a/n access point clients
- Based on the 5.8GHz WLAN wireless base stations
- Based on the 5.8GHz WLAN wireless bridges
- Indoor distribution systems (multi-play) in the combiner

Key Features

- 100X the power, improving the link quality and coverage of certified WLAN devices
- 3.0dB ultra-low noise

- Wide 6v to 16v operating input range
- Working with certified IEEE 802.11 a/n Wireless LAN devices
- Simply plug and play, no software is required

Specifications

- Frequency Range : 5.725~5.85GHz
- Operating Voltage: 6~18V
- Receiving Gain: 15dB±1
- Transmission Gain: 20dB±1
- Input Trigger Power: Min: 0dBm Max: 10dBm
- Maximum Output Power(P_{1dB}): 37dBm (5W)
- EVM: 3%@29dBm 802.11a 54Mbps OFDM 64QAM BW 20MHz
- DC Supply Current: 700mA@Pout 29dBm 12V
- Noise Figure: < 3.0dB
- TX/RX Switch Time Delay: < 1us
- LED Indicator: Transmitter: green; Receiver: red
- Operating Ambient Temperature: -40℃~+70℃
- Operating Humidity: up to 95% rel. humidity
- Dimension: 82mm×50mm×21mm
- Weight: 0.25Kg net

FCC Information

FCC Statement and Declaration: Huashi Wireless declares that this device complies with Part 15 of the FCC Rules and Regulations. Operation of this device is subject to the following two conditions:

(1) This device may not cause harmful interference.

(2) This device must accept any interference received, including interference that may cause undesired operation.

FCC Notice: 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, it 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 and correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the distance between the equipment and the receiver.
- Connect the equipment to 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.

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.

FCC Notice for Signal Amplifiers/Boosters: Signal Amplifiers and Booster only be used in a Wireless USB Adapter in which it has obtained authorization from the FCC ID:2AQVQHS5805MN1 Signal Boosters may not be used with any device which has not obtained proper FCC authorization or has not been certified for use as a system with the Signal Booster