iDEA⁺ Docking Station User Manual

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FCC Radiation Norm

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 interferences that may cause undesired operations.

CE Radiation Norm

This equipment has been tested and found to comply with the limits of the European Council Directive 99/5/EC on the approximation of the law of the member states relating to EN 300 328 V1.7.1 (2006-10), EN 301 489-1 V1.8.1 (2008-04) and EN 301 489-17 V1.3.2 (2008-04) and EN 60950.

FCC & CE Compliance Statement

These limits are designed to provide reasonable protection against radio interference in a residential environment. This equipment can generates, uses 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 is found by turning the equipment ON and OFF, the user is encouraged to try to reduce the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and the receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connect to
- Consult a dealer or an experienced technician for assistance



RF exposure warning

This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provide with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

CAUTION!

Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

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Chapter 1 Introduction

Congratulations on your purchase of this outstanding iDEA+ Docking Station. Great for traveler to charge iPad/iPhone, mobile devices. Working as an AP router for traveler to access Internet easily by their iPad, iPhone and Laptop via Wi-Fi. Support any 5V USB chargeable handheld devices including iPad, iPhone. With extra USB port, connecting a USB hard drive to act as a wireless HDD and support HTTP file server for iPad/iPhone to browse contents via browser. USB port supports Smartphone or 3G USB card to share Internet connection. With its Hotspot mode, it will let your network wirelessly and extend your wireless coverage.

1.1 Features

- Functions
 - Support Router, hotspot mode.
 - Support Setup Wizard.
 - Support File Server for user to playback Music/Video/Photo
 - Support APP Configuration for Android Phone
 - Support Simple configuration for Smart Phone

Wireless

- IEEE 802.11b/g/n standards compliant.
- Support data rates up to 150Mbps (Auto-Rate Capable).
- Support WEP/WPA/WPA2 Encryption.
- Support Wireless hotspot mode.

WAN Ethernet Interface

- 1 Port Interface compliant with IEEE 802.3x standards.
- Automatic MDI/MDIX crossover for 10/100 Base-T port.
- Auto-negotiation and speed-auto-sensing support.
- xDSL/Cable modem support
- WAN Access Type: Static IP,DHCP,PPPoE,3G USB and Android Mobile

Network Management

- Web-based Management
- Remote Access Control
- Firmware upgrade via HTTP/TFTP
- System Log
- USB
 - 5V/2.1A USB port for charging iPad/iPhone and Smartphone
 - USB port for Smart Phone,3G USB card
 - USB port for Flash Drive, USB Hard Drive, USB Card Reader

1.2 System Requirement

Check and confirm that your system/network meets the following requirements:

- Personal computer (PC/Notebook/Tablet PC) or Smartphone.
- One IEEE 802.11b/g/n Wireless adapter with installed TCP/IP
- Internet Browser.

1.3 Package Contents

The iDEA⁺ Docking Station package contains the following items:

- One iDEA⁺ Docking Station
- One CD-ROM (Manual / Quick Setup Guide)
- One Quick Setup Guide

If any of the above items are damaged or missing, please contact your dealer immediately.

Chapter 2 Knowing iDEA⁺ Docking Station

2.1 LED Indicator

The iDEA⁺ Docking Station's LED indicator display information about the device's status.



| Green | iDEA ⁺ Docking Station access Internet successfully |
|--------|--|
| Orange | Flashing when iDEA ⁺ Docking Station cannot access Internet |
| Red | iDEA ⁺ Docking Station is booting |

2.2 Ports

The ports of the iDEA⁺ Docking Station contain WAN Ethernet port, Reset Button, USB data port and USB only for charging port.



| WAN | Port for connecting to the cable or DSL modem through Ethernet cable |
|----------|--|
| Reset | Reset iDEA $^+$ Docking Station to factory default. Press this button for more than 5 secs |
| USB | Connect USB HDD, Flash Drive, 3G USB card and Smartphone |
| USB | Only for Charging iDed iDhone and Smorthhone |
| Charging | Only for Charging IPad, IPhone and Smartphone |

2.3 Power ON/OFF

The Power ON/OFF Button of iDEA⁺ Docking Station.



2.4 Hardware Connection

This section describes the hardware connection mechanism of iDEA⁺ Docking Station connected to the Internet.

You need to prepare the following items before you can establish an Internet connection through your iDEA⁺ Docking Station:

- 1. A notebook/tablet PC which have wireless available.
- 2. Internet available of any ADSL/Cable modem or 3G USB card/3G Mobile phone.
- 3. Flash Drive/ USB hard drive.

Install the device

Gateway:

- 1. Insert one end of the Ethernet cable to the WAN port of iDEA⁺ Docking Station.
- 2. Insert one end of the Ethernet cable to the LAN port of ADSL/Cable modem which is Internet available.
- 3. Insert the flash drive to the USB port of iDEA⁺ Docking Station if you want to share the contents of flash drive to Wi-Fi devices.
- 4. Now other Wi-Fi devices can access Internet via your iDEA⁺ Docking Station via wireless.

Hotspot:

- 1. Wi-Fi devices connect to your iDEA⁺ Docking Station.
- 2. The iDEA⁺ Docking Station connects to root AP which is Internet available.
- 3. Configure your iDEA⁺ Docking Station to Hotspot mode.
- 4. Now the Wi-Fi devices can access Internet via your iDEA⁺ Docking Station and root AP.

3G USB Sharing:

- 1. Insert your 3G data card to the USB port of iDEA⁺ Docking Station.
- 2. Configure your iDEA⁺ Docking Station to 3GUSB mode.
- 3. Now the Wi-Fi devices can access Internet sharing your 3G network.

Android Mobile Sharing:

- 1. Insert your Android phone to the USB port of iDEA⁺ Docking Station.
- 2. Enable USB Tethering on your Android phone.
- 3. Configure your iDEA⁺ Docking Station to Android Mobile mode.
- 4. Now the Wi-Fi devices can access Internet sharing your 3G network.

Figures show the overall hardware connection mechanism of your iDEA⁺ Docking Station.



- I Camera SD card application
- Charging function for iPhone/iPad
- WiFi Internet Smart phone/Tablet/Laptop/PC





- WiFi Wireless HDD / Flash Drive
- Personal Cloud for document sharing
- WiFi Internet Sharing for Smart phone/Tablet/Laptop/PC





2.5 Charging

Support any 5V USB chargeable handheld devices including iPad, iPhone. Connect your iPad/iPhone or Smartphone to the USB charger port (red circle) of iDEA⁺ Docking Station.







The USB port is only for charging. Do not plug any USB devices to this charging port.

Chapter 3 Configuration via PC

For your convenience, the web GUI allows you to configure iDEA⁺ Docking Station using web browser. This chapter will explain all the functions in this Web GUI.

3.1 Setting up the TCP/IP

Step 1: Click Start→Control Panel.



Step 2: Click the View network status and tasks.



Step 3: Click on the Change adapter settings.



Step 4: Right click on the Local Area Connection and select Properties.

| ize . Disable this network | ork device | Disgnose this connection | Rename this connection | 82.+ | -01 |
|---|------------|--|------------------------|----------|-----|
| Local Area Connection distant Devices 420: 15/07 Idea | | uble stas sepoce idge Connections exter Shortcut. tiste specties | 2 | | |

Step 5: Select Internet Protocol Version 4

(TCP/IPv4) and click Properties.

| letworking | | |
|--|---|-----------------------|
| Connect using: | | |
| SiS 900-Based | PCI Fast Ethernet Adapter | |
| This connection uses | the following terms: | Configure |
| | rosoft Networks Scheduler er Sharing for Microsoft Netwo col (JEEE 802.1x) v3.4.3.0 ocol Version 5 (TCP/IPv6) opology Discovery Hispper I/O opology Discovery Responder | rks 1 Driver |
| l <u>n</u> stall | Uninstall | Properties |
| Description Transmission Contr wide area network | ol Protocol/Internet Protocol. T protocol that provides commun rconnected networks. | he default ication |
| across diverse inter | | |

Step 6: Go to General icon, select Obtain an IP address automatically and DNS server address automatically.

| Seneral | Alternate Configuration | | | | |
|--------------------------------|---|-------------------------------|----------------------|----------------------|----------------------|
| You car this cap for the | n get IP settings assigned a ability. Otherwise, you nee appropriate IP settings. | utomatically ed to ask you | if your n r netwo | etwork e rk admin | supports istrator |
| 0 | otain an IP address automa | tically | | | |
| OU | e the following IP address: | | · | | |
| IP ac | idress: | | | ¥) | |
| Subr | iet mask: | | 1.19 | 10 | 11 |
| Defa | ult gateway: | | 14 | £. | |
| 0 | tain DNS server address a | utomatically |) 2 | | |
| O Us | e the following DNS server | addresses: | | | |
| Prefe | erred DNS server: | 2 | 14 | 14 | |
| Alter | nate DNS server: | | | | |
| | | | | Adva | anced |
| | | | | | |

3.2 Login

To access the iDEA⁺ Docking Station configuration screens, follow the following steps will enable you to log into the iDEA⁺ Docking Station.

 Launch your web browser, and enter the iDEA⁺ Docking Station's IP Address: "192.168.168.1" in the address field then press the "Enter" key to login.

| 🖉 Blank Page - Windows Internet Explorer | | |
|--|--|--|
| G → I http://192.168.168.1 | | |
| 🚖 🕸 🌈 Blank Page | | |

2. Enter the default User name: "admin" and Password: "admin". Then press "OK" to login.

| Connect to 192.168.1 | 168.1 ? 💌 | | | |
|--|--|--|--|--|
| | G. | | | |
| The server 192.168.168.1 at IDEA + Docking Station requires a username and password. | | | | |
| password be sent in without a secure con | an insecure manner (basic authentication nection). | | | |
| User name: | 🖸 admin 🔹 | | | |
| Password: | ••••• | | | |
| | Remember my password | | | |
| | OK Cancel | | | |

3. There are Wizard, WAN, System Setting, Wireless and FileServer icon to help you to configure the

 $\mathsf{iDEA}^{\scriptscriptstyle +}$ Docking Station easily.



3.3 Wizard

Click on "Wizard" and the following screen will pop-up:

Click Next>> button to continue.



Choose Gateway or Hotspot mode.

| A | |
|----------|--|
| | Operation Mode |
| Y | ou can setup wan type as gateway mode or repeater mode. |
| Gateway: | In this mode, The NAT is enabled and PCs share the same IP to ISP through WAN port. The connection type can be setup in WAN page by using PPPOE, DHCP client,static IP, USB3G or Android Mobile. |
| Hotspot: | In this mode, The device is used as a wireless repeater.it will Enhance the signal of anther AP for connect. |
| | Cancel < <back next="">></back> |

3.3.1 Gateway Mode

In the Gateway mode, the iDEA⁺ Docking Station connects to Internet through ADSL modem, cable modem, 3G USB card or Android mobile phone.

WAN access type: Static IP, DHCP, PPPoE, USB3G and Android Mobile.

| Static IP, DHCP& PPPoE: | |
|-------------------------|--------------------|
| Notebook | ADSL / Cable Modem |

Select WAN access type from the drop-down list.

DHCP: If you are using DHCP client, just click Apply changes to save the setting.



• Static IP: Please fill in IP address, subnet mask, Default Gateway, DNS IP address if you are using Static IP.

| WAN Access Type: | Static IP 💌 | |
|---------------------|---------------|--|
| Advanced Settings | | |
| IP Address: | 192.168.12.80 | |
| Subnet Mask: | 255.255.255.0 | |
| Default Gateway: | 192.168.12.1 | |
| DNS 1: | 168.95.1.1 | |
| DNS 2: | | |
| DNS 3: | | |
| Apply Changes Reset | | |

• **PPPoE**: Please enter the username and password if you are using PPPoE connection.

| WAN Access Type: | PPPoE 💌 |
|-------------------|--------------------|
| Advanced Settings | |
| User Name: | 85824421@hinet.net |
| Password: | ••••• |
| Apply Changes Res | et |

USB3G



Please enter the information of APN service name, PIN code, dial number, account name and password if you choose USB3G and use 3G USB card to access Internet.

| WAN Access Type: | USB3G 💌 | |
|---------------------|----------|--|
| Advanced Settings | | |
| User Name: | | |
| Password: | | |
| PIN: | | |
| APN: | internet | |
| Dial Number: | *99# | |
| Apply Changes Reset | | |



Select Android Mobile in WAN Access Type then click Apply Changes.

| WAN Access Type: | Android Mobile 💌 | | |
|-------------------|------------------|--|--|
| Advanced Settings | | | |
| | _ | | |
| Apply Changes Res | et | | |

1. Click Next>> button to continue.

| | WAN Interface Setup |
|--|--|
| this page is used to configure the parameters change the access method to static IP, DHCI | s for Internet network which connects to the WAN port of your Access Point. Here you may P, PPPoE, USB3G or Android Mobile by click the item value of WAN Access type. |
| WAN Access Type: | DHCP Client |
| | |

2. Enter a wireless SSID.

| | Wireless Setup |
|--------------------------------------|---|
| This page is use | ed to configure the parameters for Wireless |
| Wireless Network Name(SSID): | IDEA+ |
| For network security, wireless encry | yption is strongly recommended! |
| Encryption: | WPA2 - |
| Pre-Shared Key Format: | Passphrase - |
| Pre-Shared Key: | |
| | Cancel < <back finished<="" td=""></back> |

- 3. Select Encryption and key.
 - None
 - WEP-64bits
 - WEP-128bits
 - WPA PSK
 - WPA2 PSK
 - WPA2 Mixed
- 4. Click "Finished" button to finish the settings.

5. Enter status page to check the information in Gateway mode.

| DEA+ Site Vizard Vireless TCP/IP Settings Media Server | IDEA⁺ Dockin This page shows the current | ng Station Status status and some basic settings of the device. | |
|--|---|--|--|
| 🗉 🦲 Management | System | | |
| 🗋 Status | Uptime | 0day:0h:0m:47s | |
| | Firmware Version | 7011N_NBA_120911.02FA | |
| | Build Time | Thu Jan 5 00:51:28 EST 2012 | |
| | Wireless Configuration | | |
| | Mode | AP | |
| | Band | 2.4 GHz (B+G+N) | |
| | SSID | IDEA+ | |
| | Channel Number | 6 | |
| | Encryption | Disabled | |
| | BSSID | 00:13:64:00:00:15 | |
| | Associated Clients | 1 | |
| | WAN Configuration | | |
| | Attain IP Protocol | DHCP | |
| | IP Address | 192.168.12.67 | |
| | Subnet Mask | 255.255.255.0 | |
| | Default Gateway | 192.168.12.1 | |
| | MAC Address | 00:13:64:00:00:16 | |
| | Gateway/Hotspot Mode Switch | Switch to Hotspot mode | |

3.3.2 Hotspot Mode

In the Hotspot mode, the iDEA⁺ Docking Station connects to xDSL/Cable wireless router via wireless and allows Wi-Fi devices to share the Internet connection. It also extends the wireless network coverage.



To configure iDEA⁺ Docking Station charger to Hotspot mode:

1. Click "Scan network" button and select a root AP router to connect.

| Ê | | |
|--|--|---|
| | Nireless Hotspot Setup. | |
| This page provides tool to scan the wireless net | work. If any Access Point or IBSS is for | and, you could choose to connect it manually. |
| Scan network | Cancel < <back next="">></back> | |

2. Select Encryption and key of the root AP router and click "Finished" button to save the settings.

| | V | Vireless Hotspot Setup. |
|---------------|------------------------------------|---|
| his page prov | ides tool to scan the wireless net | work. If any Access Point or IBSS is found, you could choose to connect it manual |
| | | |
| | Encryption: | WPA2 - |
| | Authentication Mode: | Personal (Pre-Shared Key) |
| | WPA2 Cipher Suite: | TKIP AES |
| | Pre-Shared Key Format: | Passphrase • |
| | Pre-Shared Key: | |

3. Enter Status page to check the information in Hotspot mode.

| | | | and the second |
|------------------------------------|---|--|--|
| IDEA+ Site Wizard Wireless | iDEA⁺ Dockir This page shows the current | ng Station Status status and some basic settings of the device. | |
| TCP/IP Settings | | | |
| Media Server Management | System | 0day:0b:2m:48c | |
| Status | Eirmware Version | 7011N NBA 120911 02EA | |
| _ | Build Time | Thu Jan 5 00:51:28 EST 2012 | |
| | Wireless Configuration | | |
| | Mode | AP | |
| | Band | 2.4 GHz (B+G+N) | |
| | SSID | IDEA+ | |
| | Channel Number | 5 | |
| | Encryption | Disabled | |
| | BSSID | 00:13:64:00:00:15 | |
| | Associated Clients | 2 | |
| | Wireless Hotspot Interface | Configuration | |
| | Mode | Infrastructure Client | |
| | SSID | INNOBAND8520R1 | |
| | Encryption | WPA2 | |
| | BSSID | 00:13:64:51:7a:e2 | |
| | State | Connected | |
| | WAN Configuration | | |
| | Attain IP Protocol | Wireless Hotspot | |
| | IP Address | 192.168.1.12 | |
| | Subnet Mask | 255.255.255.0 | |
| | Default Gateway | 192.168.1.1 | |
| | MAC Address | 00:13:64:00:00:15 | |
| | Gateway/Hotspot Mode Switch | Switch to Gateway mode | |

3.4 Wireless

Click Wireless icon and it will show the wireless Basic Settings. A screen is displayed as shown in following figure.

| A 1997 1997 1997 1997 1997 1997 1997 199 | |
|--|--|
| | |
| | Wireless Basic Settings |
| This page is used to confi | gure the parameters for wireless LAN clients which may connect to your Access Point. |
| | |
| Band: | 2.4 GHz (B+G+N) ▼ |
| SSID: | IDEA+ |
| Channel Width: | 40MHz 💌 |
| Control Sideband: | Upper - |
| Channel Number: | 6 • |
| Broadcast SSID: | Enabled - |
| WMM: | Enabled 💌 |
| Data Rate: | Auto 💌 |
| Apply Changes | Reset |

Fields in this page:

| Field | Description | |
|------------------|--|--|
| Band | Select the appropriate band from the list provided to correspond with your network | |
| | setting. | |
| SSID | The Service Set Identifier (SSID) or network name. It is case sensitive and must not | |
| | exceed 32 characters, which may be any keyboard character. The mobile wireless | |
| | stations shall select the same SSID to be able to communicate with your iDEA * | |
| | Docking Station. | |
| Channel Width | The selections are 40MHz or 20MHz. | |
| Control Sideband | The selections are Upper or Lower. | |
| Channel Number | Select the appropriate channel from the list provided to correspond with your | |
| | network settings. You shall assign a different channel for each AP to avoid signal | |
| | interference. | |
| Broadcast SSID | The selections are Enabled or Disabled. | |
| WMM | Wi-Fi Multimedia (WMM) is a wireless Quality of Service feature that improves | |
| | quality of audio, video, and voice applications by prioritizing wireless traffic. To use | |
| | this feature, the wireless client devices in your network must support Wireless WMM. | |
| | Enabled by Default. | |
| Data Rate | The selections are Auto, 1M, 2M, 5.5M, 11M, 6M, 9M, 12M, 18M, 24M, 36M, 48M, | |
| | 54M, MCS0, MCS1, MCS2, MCS3, MCS4, MCS5, MCS6 and MCS7. | |

Apply Changes

Change the settings. New parameters will take effect after save into flash memory and please reboot device.

3.5 WAN

Click WAN icon and it will show the WAN Interface Setup. A screen is displayed as shown in following figure. This page is used to configure the parameters for Internet network which connects to the WAN port or USB port of iDEA⁺ Docking Station. Here you may change the access type to static IP, DHCP, PPPoE, USB3G or Android Mobile by click the item value of WAN Access type.

| | WAN Interface Setup |
|--|---|
| This page is used to configure the parameters for Interne method to static IP, DHCP, PPPoE,USB3G by click the | t network which connects to the WAN port of your Access Point. Here you may change the access item value of WAN Access type. |
| | |
| WAN Access Type: | DHCP Client |
| Advanced Settings | |
| Host Name: | |
| MTU Size: | 1492 (1400-1492 bytes) |
| Attain DNS Autom | ıtically |
| Set DNS Manually | |
| DNS 1: | |
| DNS 2: | |
| DNS 3: | |
| | Enable IGMP Proxy |
| | Enable Ping Access on WAN |
| | Enable Web Server Access on WAN |
| Apply Changes | Reset |

3.6 File Server

First, please connect your card reader, flash driver or USB Hard Drive to the USB port of the iDEA⁺ Docking Station. Then click **File Server** icon and it will list all the folders and files in your Flash Driver or USB HDD.

It acts as a wireless HDD and support HTTP file server for iPad/iPhone to browse contents (Photo, Music, Video) via browser.

You can also use Android Phone as USB storage device. Please refer to the user manual of Android Phone to turn on USB storage.

Flash Drive/USB Hard Drive:



Card Reader



Here is the file list.

| Ê | | | |
|-----|---------------------------------------|---------------------|------|
| | Disk Partitions 💈 Delete 🚡 Upload 🗲 R | lefresh | |
| Pat | h:/PartitionA | | |
| | Name | Last modified | Size |
| | Document/ | 2012-01-06 13:14:38 | - |
| | Photo/ | 2012-01-06 13:14:16 | - |
| | Music/ | 2012-01-06 13:14:08 | - |
| | Video/ | 2012-01-06 13:13:56 | - |

Icon in this page:

| Icon | Description |
|-----------------|--|
| Disk Partitions | Click this icon to see the disk partition of your USB HDD. |
| Delete | Check folder or files you want to delete then click Delete icon to delete them. |
| Upload | Click Upload icon and choose a file to upload to the flash drive which connects with |
| | the iDEA ⁺ Docking Station. |
| Refresh | Refresh the contents in the USB disk. |

3.7 System setting

3.7.1 Wireless

Click System Setting icon and you can view Wireless link in the left navigation bar. Following are the options available under Wireless:

- Basic Settings
- Active Clients
- Advanced Settings
- Security
- Hotspot Mode

3.7.1.1 Basic Settings

To configure the wireless basic settings, click on the **Basic Settings** link in the left navigation bar. A screen is displayed as shown in following figure.

| ^ | | | | | | |
|--|---|---|--|--|--|--|
| DEA+ Site Vizard Great Site Wireless | Wireless Basic Settings This page is used to configure the parameters for wireless LAN clients which may connect to your Access Point. | | | | | |
| Wizard Wireless Basic Settings Active Clients Advanced Settings Security Hotspot Mode TCP/IP Settings Management Status | Band: SSID: Channel Width: Control Sideband: Channel Number: Broadcast SSID: WMM: Data Rate: Apply Changes | 2.4 GHz (B+G+N) IDEA+ 40MHz Upper 6 Enabled Enabled Auto Reset | | | | |

Fields in this page:

| Field | Description |
|------------------|--|
| Band | Select the appropriate band from the list provided to correspond with your network |
| | setting. |
| SSID | The Service Set Identifier (SSID) or network name. It is case sensitive and must not |
| | exceed 32 characters, which may be any keyboard character. The mobile wireless |
| | stations shall select the same SSID to be able to communicate with your wireless |
| | broadband router. |
| Channel Width | The selections are 40MHz or 20MHz. |
| Control Sideband | The selections are Upper or Lower. |
| Channel Number | Select the appropriate channel from the list provided to correspond with your |
| | network settings. You shall assign a different channel for each AP to avoid signal |
| | interference. |
| Broadcast SSID | The selections are Enabled or Disabled. |
| WMM | Wi-Fi Multimedia (WMM) is a wireless Quality of Service feature that improves |

| | quality of audio, video, and voice applications by prioritizing wireless traffic. To use |
|-----------|--|
| | this feature, the wireless client devices in your network must support Wireless WMM. |
| | Enabled by Default. |
| Data Rate | The selections are Auto, 1M, 2M, 5.5M, 11M, 6M, 9M, 12M, 18M, 24M, 36M, 48M, |
| | 54M, MCS0, MCS1, MCS2, MCS3, MCS4, MCS5, MCS6 and MCS7. |

Apply Changes

Change the settings. New parameters will take effect after save into flash memory and please reboot device.

3.7.1.2 Active Clients

Click on Active Clients link and it will show the clients currently associated with the iDEA⁺ Docking Station.

| ☑ M IDEA+ Site ☑ Wizard ☑ Wireless ☑ Basic Settings ☑ Active Clients | Active Win This table shows the client. | eles ne MAC | s Clie address, t | nt Tab transmissio | le n, receiption p | backet counters | and encrypted status | o for each associated wireless |
|--|---|----------------|----------------------|-----------------------|-----------------------|-----------------|----------------------|--------------------------------|
| Advanced Settings | MAC Address | Mode | Tx Packet | Rx Packet | Tx Rate (Mbps) | Power Saving | Expired Time (s) | |
| 🚽 🎲 Hotspot Mode 🗉 📄 TCP/IP Settings | 00:13:64:00:00:0d | 11n | 138 | 375 | 150 | no | 300 | |
| Media Server Management Status | Refresh | ose | | | | | | |

3.7.1.3 Advanced Setting

This page allows advanced users who have sufficient knowledge of wireless LAN. These setting shall not be changed unless you know exactly what will happen for the changes you made on your router.

| Wizard Wizeless Wireless Sectings | Wireless Advanced Settings These settings are only for more technically advanced users who have a sufficient knowledge about wireless LAN. These settings should not be changed unless you know what effect the changes will have on your Access Point. | | | | | |
|--|---|--|--|--|--|--|
| Advanced Settings Advanced Settings Security Hotspot Mode TCP/IP Settings Media Server | Fragment Threshold: RTS Threshold: Beacon Interval: | 2346 2347 100 | (256-2346) (0-2347) (20-1024 ms) | | | |
| a 🔁 Management | Preamble Type: IAPP: Protection: | Long Pre Enabled Enabled | © Disabled | | | |
| | Aggregation: Short GI: WLAN Partition: | Enabled Enabled Enabled | Disabled Disabled Disabled | | | |
| | 20/40MHz Coexist: RF Output Power: Apply Changes Reset | Enabled 100% | ● Disabled ◎ 70% 50% ● 35% ● 15% | | | |

Fields in this page:

| Field | Description |
|--------------------|---|
| Fragment Threshold | This value should remain at its default setting of 2346. It specifies the maximum |
| | size for a packet before data is fragmented into multiple packets. If you |
| | experience a high packet error rate, you may slightly increases the "Fragment |
| | Threshold" value within the value range of 256 to 2346. Setting this value too |
| | low may result in poor network performance. Only minor modifications of this |
| | value are recommended. |
| RTS Threshold | This value should remain at its default setting of 2347. Should you encounter |
| | inconsistent data flow, only minor modifications are recommended. If a network |
| | packet is smaller than the preset "RTS threshold" size, the RTS/CTS |
| | mechanism will not be enabled. The AP sends Request to Send (RTS) frames |
| | to a particular receiving station and negotiates the sending of a data frame. |
| | After receiving an RTS, the wireless station responds with a Clear to Send |
| | (CTS) frame to acknowledge the right to begin transmission. |
| Beacon Interval | The Beacon Interval value indicates the frequency interval of the beacon. Enter |
| | a value between 20 and 1024. A beacon is a packet broadcast by the router to |
| | synchronize the wireless network. The default is 100. |
| Preamble Type | The Preamble Type defines the length of the CRC (Cyclic Redundancy Check) |
| | block for communication between the AP and mobile wireless stations. Make |
| | sure to select the appropriate preamble type. Note that high network traffic |
| | areas should use the short preamble type. CRC is a common technique for |
| | detecting data transmission errors. |
| IAPP | The IEEE 802.11F or Inter-Access Point Protocol (IAPP) is a recommendation |
| | that describes an optional extension to IEEE 802.11 that provides wireless |

| | access-point communications among multivendor systems. |
|------------------|---|
| Protection | Prevent from interference of 11b device. |
| Aggregation | Aggregating data unit. It can improve some transmission efficiency. |
| Short GI | Short guard interval. Short GI can improve transmission data rate |
| WLAN Partition | Isolate each WLAN client. |
| 20/40MHz Coexist | 20MHz and 40MHz will be coexist if enabled. |
| RF Output Power | RF Output power level 100%, 70%, 50%, 35%,15% |

Function buttons in this page:

Apply Changes

Change the settings. New parameters will take effect after save into flash memory and please reboot device.

3.7.1.4 Security

This screen allows you to setup the wireless security. Turn on WEP or WPA by using encryption keys could prevent any unauthorized access to your WLAN.

| DEA+ Site Wizard Wireless Basic Settings | Wireless Security Setup This page allows you setup the wireless security. Turn on WEP or WPA by using Encryption Keys could prevent any unauthorized access to your wireless network. | | | | | |
|---|---|---------------------------|--|--|--|--|
| Active Clients | Select SSID: Root AP - IDEA+ | Apply Changes Reset | | | | |
| TCP/IP Settings Media Server | Encryption: | WPA2 - | | | | |
| Management | Authentication Mode: | Personal (Pre-Shared Key) | | | | |
| | WPA2 Cipher Suite: | TKIP 🖉 AES | | | | |
| | Pre-Shared Key Format: | Passphrase - | | | | |
| | Pre-Shared Key: | ••••• | | | | |

Fields in this page:

| Field | Description | | | |
|----------------|---|--|--|--|
| Encryption | There are 4 types of security to be selected. To secure your WLAN, it's strongly | | | |
| | recommended to enable this feature. | | | |
| | WEP: Make sure that all wireless devices on your network are using the same | | | |
| | encryption level and key. Click Set WEP Key button to set the encryption key. | | | |
| | WPA: WPA uses Advanced Encryption Standard (AES) for data encryption. AES | | | |
| | utilized a symmetric 128-bit block data encryption. | | | |
| | WPA2: WPA2, also known as 802.11i, uses Advanced Encryption Standard (AES) | | | |
| | for data encryption. AES utilized a symmetric 128-bit block data encryption. | | | |
| | WAP Mixed: The AP supports WPA (TKIP) and WPA2 (AES) for data encryption. | | | |
| | The actual selection of the encryption methods will depend on the clients. | | | |
| Authentication | Personal (Pre-Shared Key): Pre-Shared Key authentication is based on a shared | | | |
| Mode | secret that is known only by the parties involved. To use WPA Pre-Shared Key, | | | |
| | select key format and enter a password in the "Pre-Shared Key Format" and | | | |
| | "Pre-Shared Key" setting respectively. Please refer to "Pre-Shared Key Format" and | | | |
| | "Pre-Shared Key" setting below. | | | |
| Pre-Shared Key | PassPhrase: Select this to enter the Pre-Shared Key secret as user-friendly textual | | | |
| Format | secret. | | | |
| | Hex (64 characters): Select this to enter the Pre-Shared Key secret as hexadecimal | | | |
| | secret. | | | |
| Pre-Shared Key | Specify the shared secret used by this Pre-Shared Key. If the "Pre-Shared Key | | | |
| | Format" is specified as PassPhrase, then it indicates a passphrase of 8 to 63 bytes | | | |
| | long; or if the "Pre-Shared Key Format" is specified as PassPhrase, then it indicates | | | |
| | a 64-hexadecimal number. | | | |

Function buttons in this page:

Apply Changes

Change the settings. New parameters will take effect after save into flash memory and please reboot the device.

3.7.1.5 Hotspot Mode

To configure iDEA⁺ Docking Station to Hotspot mode:

1. Click "Scan network" button and select a root AP to connect. Click Connect button to continue.

| Ê | |
|---|---|
| MiDEA+ Site Wizard Wireless Wireless Wireless | Wireless Hotspot Setup This page provides tool to scan the wireless network. If any Access Point or IBSS is found, you could choose to connect it manually. |
| Active Clients Advanced Settings Security TCP/IP Settings TCP/IP Settings | Scan network Next>> |
| Media Server Management Status | SSID BSSID Channel Type Encrypt Signal Select None <td< td=""></td<> |

2. Select Encryption and key of the root AP and click "Finished" button to save the settings.

| ~ | | |
|--|--|--|
| | | |
| IDEA+ Site Wizard Basic Settings Active Clients Advanced Settings Security For the security For t | Wireless Hotspot This page provides tool to scan manually. | Setup the wireless network. If any Access Point or IBSS is found, you could choose to connect it |
| | Encryption: WPA2 Authentication Mode: WPA2 Cipher Suite: Pre-Shared Key Format: Pre-Shared Key: | e Personal (Pre-Shared Key) □ TKIP ♥ AES Passphrase |
| Ê | | |
| ■ A IDEA+ Site ■ Wizard ■ ■ Wireless | Wireless Hotspot This page provides tool to scan t manually. | Setup he wireless network. If any Access Point or IBSS is found, you could choose to connect it |
| Wireless Wireless Active Clients Advanced Settings Security Hotspot Mode TCP/IP Settings Media Server Management Status | Encryption: WEP Key Length: 64-bit Key Format: ASCI Key Setting: <-Back Connect | |

3.7.2 TCP/IP Settings

There are two sub-menus for TCP/IP Settings: [LAN Interface] and [WAN Interface].

3.7.2.1 LAN Interface

This page is used to configure the parameters for local area network which connects to the iDEA⁺ Docking Station. Here you may change the setting for IP address, subnet mask, DHCP, etc..

| TravelAP Site Wizard Wireless TCP/IP Settings WAN Interface Wedia Server Management Status | LAN Interface Setu This page is used to configure the you may change the setting for IP | P parameters for local area network which connects to the LAN port of your Access Point. Here addresss, subnet mask, DHCP, etc |
|---|---|--|
| | IP Address: Subnet Mask: Default Gateway: | 192.168.168.1 255.255.255.0 0.0.0.0 |
| | DHCP: DHCP Client Range: | Server |
| | DHCP Lease Time: Static DHCP: | 480 (1 ~ 10080 minutes) Set Static DHCP |
| | Domain Name: 802.1d Spanning Tree: | Workgroup Disabled V |
| | Apply Changes Reset | |

Fields in this page:

| Field | Description |
|----------------------|---|
| IP Address | The LAN IP address of iDEA $^{+}$ Docking Station |
| Subnet Mask | LAN subnet mask. |
| Default Gateway | The default gateway is the routing device used to forward all traffic that is not |
| | addressed to a station within the local subnet. |
| DHCP | Disabled, Client, Server mode. |
| DHCP Client Range | Specify the lowest and highest addresses in the range. |
| Static DHCP | Choose Enable to enable static DHCP. |
| Domain Name | Domain name to be registered with the DNS server. |
| 802.1d Spanning Tree | Enable/Disable 802.1d Spanning Tree. Default is Disabled. |

Function buttons for this setting block:

• Show Client

Click to show the DHCP clients.

Set Static DHCP

Click to set static DHCP.

• Apply Changes

Click to apply the new configuration.

Reset

Click to abort change and recover the previous configuration.

Static DHCP Setup

Static DHCP Setup

This page allows you reserve IP addresses, and assign the same IP address to the network device with the specified MAC address any time it requests an IP address. This is almost the same as when a device has a static IP address except that the device must still request an IP address from the DHCP server.

| Enable Static DHCP IP Address: | | | |
|-----------------------------------|-------------|---------|--------|
| MAC Address: | | | |
| Comment: | | | |
| Apply Changes Reset | | | |
| Static DHCP List: | | | |
| IP Address | MAC Address | Comment | Select |
| Delete Selected Delete All | Reset | | |

Fields in this page:

| Field | Description |
|-------------|------------------------------------|
| IP Address | The IP address of your PC. |
| MAC Address | The MAC address of NIC in your PC. |
| Comment | Fill in the comment |

Function buttons for this setting block:

• Apply Changes

Click to apply the new configuration.

Reset

Click to abort change and recover the previous configuration.

The Static DHCP List lists the IP Address and MAC addresses of PC which are with Static IP Address. You can select the entries at the Select column and apply to the following function buttons.

Function buttons for the **Static DHCP List**:

Delete Selected

Delete the selected entries from the list.

Delete All

Flush the list.

• Reset

Click to abort change and recover the previous configuration.

3.7.2.2 WAN Interface

This page is used to configure the parameters for Internet network which connects to the WAN port or USB port of your iDEA⁺ Docking Station. Here you may change the access method to static IP, DHCP, PPPoE, USB3G or Android Mobile by click the item value of WAN Access type.

3.7.2.2.1 DHCP Client

By default, the Configuration Type is set to DHCP Client, and it should be kept only if your ISP supports DHCP or you are connecting through a dynamic IP address.

| | | | | | and the second | | |
|--|---|------------------|-------------|--|----------------|--|--|
| ☐ M IDEA+ Site → Wizard ☐ Wireless ☐ D Softings | WAN Interface Setup This page is used to configure the parameters for Internet network which connects to the WAN port of your Access Point. Here you may change the access method to static IP, DHCP, PPPoE,USB3G by click the item value of WAN Access type. | | | | | | |
| LAN Interface WAN Interface Media Server | WAN Access Type: | DHCP Client | | | | | |
| Management | Manced Settings | ; | | | | | |
| Status | Host Name: | | | | | | |
| | MTU Size: | 1492 (1400- | 1492 bytes) | | | | |
| | ● Attain DNS Autom Set DNS Manually | atically | | | | | |
| | DNS 1: | 192.168.12.3 | | | | | |
| | DNS 2: | | | | | | |
| | DNS 3: | | | | | | |
| | Enable IGMP Proxy | | | | | | |
| | Enable Ping Acce | ess on WAN | | | | | |
| | Enable Web Serv | er Access on WAN | | | | | |
| | Apply Changes | Reset | | | | | |

Fields in this page:

| Field | Description |
|--------------------------|--|
| WAN Access Type | Choose DHCP Client mode |
| Host Name | Host Name of the device |
| MTU Size | Maximum Transmission Unit. Default is 1492 bytes. |
| Attain DNS Automatically | Click to get DNS server IP address from DHCP server. |
| Set DNS Manually | Click to set DNS server IP address manually. |
| DNS1 | Primary DNS Server IP Address. |
| DNS2 | Secondary DNS Server IP Address. |
| DNS3 | Third DNS Server IP Address. |
| Enable IGMP Proxy | Click to enable IGMP Proxy. |
| Enable Ping Access on | Click to enable Ping access on WAN. |
| WAN | |
| Enable Web Server | Click to enable Web remote management from WAN. |
| Access on WAN | |

Function buttons for this setting block:

• Apply Changes

Click to apply the new configuration.

Reset

Click to abort change and recover the previous configuration.

3.7.2.2.2 Static IP

If you are required to use a permanent IP address to connect to the Internet, then select Static IP.

| Ê | | | | | | |
|--|--|---|--------------------------|---|---|--|
| ➡ MiDEA+ Site ➡ Wizard ➡ Wireless ➡ TCP/ID Settings | WAN Interfac This page is used to com may change the access | e Setup figure the param method to statio | eters for Int P, DHCP | ernet network which c , PPPoE,USB3G by c | onnects to the WAN lick the item value o | V port of your Access Point. Here you if WAN Access type. |
| ■ TCP/IP Settings | WAN Access Type: Advanced Setting IP Address: Subnet Mask: Default Gateway: MTU Size: DNS 1: DNS 2: DNS 3: Enable IGMP Pr Enable Ping Acc Enable Web Set Apply Changes | Static IP 192.168.12.2 255.255.255. 192.168.12.1 1500 192.168.12.3 | • 37 0 (1400 | -1500 bytes) | | |

Fields in this page:

| Field | Description |
|---------------------------------|---|
| WAN Access Type | Choose Static IP mode |
| IP Address | Fill in Static IP Address provided by ISP. |
| Subnet Mask | Fill in Subnet Mask provided by ISP. |
| Default Gateway | Fill in Default Gateway IP Address provided by ISP. |
| MTU Size | Fill in MTU size. Default is 1500 bytes. |
| DNS1 | Primary DNS Server IP Address. |
| DNS2 | Secondary DNS Server IP Address. |
| DNS3 | Third DNS Server IP Address. |
| Enable IGMP Proxy | Click to enable IGMP Proxy. |
| Enable Ping Access on WAN | Click to enable Ping access on WAN. |
| Enable Web Server Access on WAN | Click to enable Web remote management from WAN. |

Function buttons for this setting block:

• Apply Changes

Click to apply the new configuration.

Reset

Click to abort change and recover the previous configuration.

3.7.2.2.3 PPPoE

PPPoE: When **PPPoE Mode** is selected from the WAN Access Type drop down manual, the following screen display. Point-to-Point Protocol (PPP) is a method of establishing a network connection between network hosts. PPPoE, also known as RFC 2516, adapts PPP to work over Ethernet. PPPoE provides a mechanism for authenticating users by providing User Name and Password fields and it is a connection type provided by many ISP or Telecom.

| Ê | | | | | | - | | |
|---|--|---|----------------------------|--------------------------------|--------------------------------------|--------------------------------|------------------------------------|----------------|
| MiDEA+ Site Wizard Wireless TCP/IP Settings LAN Interface WAN Interface Management Status | WAN Interface This page is used to confi may change the access n | e Setup gure the paramet nethod to static I | ers for Inte P, DHCP, F | net network wh PPoE,USB3G | ich connects to by click the iter | the WAN port n value of WAI | of your Access P N Access type. | oint. Here you |
| | WAN Access Type: | PPPoE | • | | | | | |
| | Password: Service Name: | | | Canaat | Disconnect | ٦ | | |
| | Connection Type: Idle Time: MTU Size: | 5 1452 | ▼ (1-1000 (1360-1 | minutes, def 492 bytes, def | fault: 5) efault:1452) | | | |
| | Attain DNS Autom Set DNS Manually | 192 168 12 3 | | | | | | |
| | DNS 2: DNS 3: | | | | | | | |
| | Enable IGMP Pro Enable Ping According Enable Web Sen | oxy ess on WAN ver Access on | WAN | | | | | |
| | Apply Changes | Reset | | | | | | |

| i leius in this paye. | Fields | in | this | page: |
|-----------------------|--------|----|------|-------|
|-----------------------|--------|----|------|-------|

| Field | Description |
|--------------------------|---|
| WAN Access Type | Choose PPPoE mode |
| User Name | Your ISP Account ID. Check your ISP for details. |
| Password | Your ISP Account Password. Check your ISP for details. |
| Service Name | Your ISP Service Name. Check your ISP for details. |
| Connection Type | There are Continuous, connect on Demand and Manual in connection |
| | type. |
| Idle Time | Specifies that PPPoE connection should disconnect if the link has no |
| | activity detected for n minutes. This field is used in conjunction with the |
| | On-Demand feature and is enabled in connection type. To ensure that |
| | the link is always active, enter a 0 in this field. |
| MTU Size | Maximum Transmission Unit. The largest size packet that can be sent by |
| | the modem. If the network stack of any packet is larger than the MTU |
| | value, then the packet will be fragmented before the transmission. |
| | Default is 1452 bytes. |
| Attain DNS Automatically | Attain DNS server IP address from ISP automatically. |

| Set DNS Manually | Setup DNS server IP address manually. |
|---------------------------|---|
| DNS1 | Primary DNS Server IP Address. |
| DNS2 | Secondary DNS Server IP Address. |
| DNS3 | Third DNS Server IP Address. |
| Enable IGMP Proxy | Click to enable IGMP Proxy. |
| Enable Ping Access on WAN | Click to enable Ping access on WAN. |
| Enable Web Server Access | Click to enable Web remote management from WAN. |
| on WAN | |

Function buttons for this setting block:

• Connect

Click to connect ISP. It is available when you choose manual in connection type.

Disconnect

Click to disconnect ISP. It is available when you choose manual in connection type.

• Apply Changes

Click to apply the new configuration.

Reset

Click to abort change and recover the previous configuration.

3.7.2.2.4 USB3G

Connect your 3G USB card to the USB port of iDEA⁺ Docking Station. You can share 3G Internet connection among other Wi-Fi available devices.

| | | | | | an a |
|---|---|---|---|--|--|
| Mind DEA+ Site Wireless Mireless TCP/IP Settings LAN Interface Media Server Management Status | WAN Interface This page is used to config may change the access n | e Setup gure the parameters for Inte nethod to static IP, DHCP, | rnet network which connects PPPoE,USB3G by click the | s to the WAN port item value of WAN | of your Access Point. Here you I Access type. |
| | WAN Access Type: | USB3G V | | | |
| | user Name: Password: PIN: | | | | |
| | APN: Dial Number: | internet *99# | | | |
| | Connection Type: Idle Time: MTU Size: | Continuous - 5 (1-1000 1490 (1420-2 | Connect Disconnect) O minutes) | ect | |
| | ● Attain DNS Autom ○ Set DNS Manually | atically | 100 0,000 | | |
| | DNS 1: DNS 2: DNS 3: | 192.168.12.3 | | | |
| | Enable IGMP Pro Enable Ping Acco Enable Web Service | xy ess on WAN rer Access on WAN | | | |
| | Apply Changes | Reset | | | |

Fields in this page:

| Field | Description | |
|--------------------------|---|--|
| WAN Access Type | Choose USB3G mode | |
| User Name | ISP Account ID. Check your ISP for details. | |
| Password | ISP Account Password. Check your ISP for details. | |
| PIN | Person Identification Number. | |
| APN | Enter APN string provided by ISP. | |
| Dial Number | Enter Dial Number provided by ISP. | |
| Connection Type | There are Continuous, connect on Demand and Manual in connection type. | |
| Idle Time | Specifies that connection should disconnect if the link has no activity | |
| | detected for n minutes. This field is used in conjunction with the | |
| | On-Demand feature and is enabled in connection type. To ensure that the | |
| | link is always active, enter a 0 in this field. | |
| MTU Size | Fill in MTU size. Default is 1490 bytes. | |
| Attain DNS Automatically | Attain DNS server IP address from ISP automatically. | |
| Set DNS Manually | Setup DNS server IP address manually. | |
| DNS1 | Primary DNS Server IP Address. | |

| DNS2 | Secondary DNS Server IP Address. | |
|-----------------------|---|--|
| DNS3 | Third DNS Server IP Address. | |
| Enable IGMP Proxy | Click to enable IGMP Proxy. | |
| Enable Ping Access on | Click to enable Ping access on WAN. | |
| WAN | | |
| Enable Web Server | Click to enable Web remote management from WAN. | |
| Access on WAN | | |

Function buttons for this setting block:

• Connect

Click to connect ISP. It is available when you choose manual in connection type.

• Disconnect

Click to disconnect ISP. It is available when you choose manual in connection type.

• Apply Changes

Click to apply the new configuration.

• Reset

Click to abort change and recover the previous configuration.

3.7.2.2.5 Android Mobile

Share your Android phone's data connection via USB. Use the USB cable that come with your phone to connect your phone to the USB port of iDEA⁺ Docking Station.

Change the configuration on Android Phone:

- 1. Press Home, press Menu and touch Settings to open the Settings application
- 2. Touch Wireless & networks > Tethering & portable hotspot.
- Check USB Tethering: The phone starts sharing its mobile network data connection with your iDEA⁺ Docking Station via USB connection. An ongoing notification is added to the Status bar and Notifications panel.

| Ê | | | |
|--|---|--|--|
| Mindex Site Wirard Wireless TCP/IP Settings LAN Interface Wandia Server Media Server Management Status | WAN Interface Setup This page is used to configure the parameters for Internet network which connects to the WAN port of your Access Point. Here you may change the access method to static IP, DHCP, PPPoE,USB3G by click the item value of WAN Access type. | | |
| | WAN Access Type: Advanced Setting Advanced Setting Attain DNS Auton Set DNS Manuall DNS 1: DNS 2: DNS 3: | Android Mobile Is natically | |
| | Enable IGMP Pr Enable Ping Acc Enable Web Set Apply Changes | oxy :ess on WAN ver Access on WAN Reset | |

Fields in this page:

| Field | Description |
|-----------------------------|--|
| WAN Access Type | Choose Android Mobile mode |
| Attain DNS Automatically | Attain DNS server IP address from ISP automatically. |
| Set DNS Manually | Setup DNS server IP address manually. |
| DNS1 | Primary DNS Server IP Address. |
| DNS2 | Secondary DNS Server IP Address. |
| DNS3 | Third DNS Server IP Address. |
| Enable IGMP Proxy | Click to enable IGMP Proxy. |
| Enable Ping Access on WAN | Click to enable Ping access on WAN. |
| Enable Web Server Access on | Click to enable Web remote management from WAN. |
| WAN | |

Function buttons for this setting block:

Apply Changes

Click to apply the new configuration.

Reset

Click to abort change and recover the previous configuration.

3.8 Management

The **Management** page allows you to manage your iDEA⁺ Docking Station.

You can view Management link in the left navigation bar. Following are the options available under Management:

- Statistics
- Time Zone Setting
- Log
- Upgrade Firmware
- Save/Reload Settings
- Password
- Reboot
- Logout

3.8.1 Statistics

This page shows the packet counters for transmission and reception regarding to Wireless LAN and Ethernet WAN networks.

| Ê | | | | and the second |
|----------------|--------------------------------------|--|--|--|
| ■ ☆ IDEA+ Site | Statistics This page shows the pa | acket counters for transmis | sion and reception regarding to wireless and | d Ethernet networks. |
| | Wireless LAN Ethernet WAN | Sent Packets Received Packets Sent Packets Received Packets | 967 5140 0 | |
| | Refresh | | | |

3.8.2 Time Zone Setting

You can maintain the system time by synchronizing with a public time server over the Internet.

| <u> </u> | | |
|---|---------------------------------|--|
| More the test of test | Time Zone You can maintain t | Setting he system time by synchronizing with a public time server over the Internet. |
| CP/IP Settings Management Management Management Statistics August 2 | Current Time : | Yr 2012 Mon 1 Day 12 Hr 14 Mn 17 Sec 16 Copy Computer Time |
| | Time Zone Select : | (GMT+08:00)Taipei |
| | Enable NTP Automatical | client update Ily Adjust Daylight Saving |
| | NTP server : | I92.5.41.41 - North America (Manual IP Setting) |
| | Apply Change | Reset Refresh |

Fields in this page:

| Field | Description | |
|--------------------------|--|--|
| Current Time | The current time of the specified time zone. You can set the current time by | |
| | yourself or configured by SNTP. | |
| Time Zone Select | The time zone in which the DSL device resides. | |
| Enable NTP client update | Enable the NTP client to update the system clock. | |
| Automatically Adjust | Check to Automatically Adjust Daylight Saving. | |
| Daylight Saving | | |
| NTP server | The IP address of the NTP server. You can select from the list or set it | |
| | manually. | |

Function buttons for this setting block:

Apply Changes

Click to apply the new configuration.

Reset

Click to abort change and recover the previous configuration.

Refresh

Click to refresh the configuration.

3.8.3 Log

This page can be used to set remote log server and show the system log.

| | | | | |
|---|---|--------------------------------------|-----|--|
| □ IDEA+ Site ○ Wireless □ TCP/IP Settings □ Management ○ Statistics ○ Time Zone Setting ○ Log ○ Asymptotic Settings ○ Asymptotic Settings | System Log This page can be used to set remote | e log server and show the system log | | |
| | ✓ Enable Log ✓ system all | wireless | DoS | |
| | Enable Remote Log Apply Changes | Log Server IP Address: | * | |
| | Pafrash Clasr | | ~ | |

Fields in this page:

| Field | Description | |
|-----------------------|---------------------------------------|--|
| Enable Log | Check to enable Log. | |
| System all | Check to enable log of system all. | |
| Wireless | Check to enable log of Wireless. | |
| DoS | Check to enable log of DoS. | |
| Enable Remote Log | Check to enable remote log. | |
| Log Server IP Address | Fill in the IP address of Log server. | |

Function buttons for this setting block:

Apply Changes

Click to apply the new configuration.

3.8.4 Upgrade Firmware

This page allows you upgrade the firmware to new version. Please note, do not power off the device during the upload because it may crash the system.

| ` | | |
|--|--|--|
| 🖃 🏠 IDEA+ Site | Upgrade Firm | iware |
| | This page allows you up because it may crash th | grade the Access Point firmware to new version. Please note, do not power off the device during the upload te system. |
| ■ CC//IP Settings ■ CC//IP Settings ■ Management ■ Statistics ■ Time Zone Setting ■ Log ■ Upgrade Firmware ■ Save/Reload Settings ■ Password ■ Reboot ■ Logout ■ Status | Firmware Version: Select File: Upload Reset | 7011N_NBA_120911.02FA Browse |

To upgrade the firmware for the device:

- Click the **Browse** button to select the firmware file.
- Confirm your selection.
- Click the **Upload** button to start upgrading.

IMPORTANT! Do not turn off your device or press the Reset button while this procedure is in progress.

3.8.5 Save/Reload Setting

This page allows you save current settings to a file or reload the settings from the file which was saved previously. Besides, you could reset the current configuration to factory default.

| ^ | | | |
|---|--|---------------|--|
| 🖻 🟠 IDEA+ Site | Save/Reload Settin | ngs | |
| | This page allows you save current settings to a file or reload the settings from the file which was saved previously. Besides, you could reset the current configuration to factory default. | | |
| Image Media Server Management Statistics Time Zone Setting | Save Settings to File: | Save | |
| 🛶 🖓 Log 🚽 🎯 Upgrade Firmware | Load Settings from File: | Browse Upload | |
| Save/Reload Settings | Reset Settings to Default: | Reset | |

Function button for this first setting block:

Save

Click to save the setting to a file.

Upload

To load the setting for the iDEA⁺ Docking Station:

- Click the **Browse** button to select the setting file.
- Confirm your selection.
- Click the **Upload** button to start uploading.

Reset

Click to reset settings to default. The iDEA⁺ Docking Station will reboot.

3.8.6 Password

This page is used to set the account to access the web server of iDEA⁺ Docking Station. Empty user name and password will disable the protection.

| ■ 🏠 IDEA+ Site | Password Setup |
|--|--|
| | This page is used to set the account to access the web server of Access Point. Empty user name and password will disable the protection. |
| 🗉 🕞 Media Server | |
| Management Statistics | User Name: |
| Time Zone Setting | New Password: |
| | Confirmed Password: |
| - A Password - A Reboot - A Logout | Apply Changes Reset |

Fields in this page:

| Field | Description | |
|--------------------|--|--|
| User Name | Fill in new username for login. | |
| New Password | Fill in new password for login. | |
| Confirmed Password | Fill in new password again to confirm. | |

Function buttons for this setting block:

Apply Changes

Click to apply the new configuration.

Reset

Click to abort change and recover the previous configuration.

3.8.7 Reboot

This page is used to reboot $iDEA^+$ Docking Station.

| ^ | |
|--|--------------------------------------|
| 🖃 🏠 IDEA+ Site | Reboot |
| 🛶 🌱 Wizard 🗈 📄 Wireless | This page is used to restart device. |
| TCP/IP Settings Image: Image and the image and t | Do you want to reboot device now? |
| Management | Reboot |
| - 🙀 Time Zone Setting | |
| - A Log | |
| Save/Reload Settings | |
| A Password | |
| Reboot | |
| 🔆 🔆 Logout | |
| 🔄 📄 Status | |

3.8.8 Logout

This page is used to logout $iDEA^+$ Docking Station.

| ^ | |
|----------------------|------------------------------|
| IDEA+ Site | Logout |
| Wireless | This page is used to logout. |
| TCP/IP Settings | |
| 🖬 👘 Management | Do you want to logout ? |
| Statistics | Apply Change |
| 🙀 Log | |
| 👾 🔅 Upgrade Firmware | |
| 🔅 Password | |
| 🔅 Reboot | |
| Status | |

Chapter 4 Configuration via Smart Phone

Please enter Wi-Fi Settings of your smart phone and connect to the iDEA⁺ Docking Station first.

4.1 Install APPs for Android Phone

Install the Android APP to configure iDEA⁺ Docking Station using Android Phone.

Before you touch the iDEA⁺ APK, please make sure that your Android phone is already connected to iDEA⁺ Docking Station via Wi-Fi.

Touch **IDEAPlus.apk** to install the iDEA⁺ Docking Station application.

1. Touch **Install** to install the application.



2. Touch Open to open the status page of iDEA⁺ Docking Station.



3. Please fill in username and password to login iDEA⁺ Docking Station.

| \sum | 4× 💎 📶 🙎 |
|------------------------|-------------------------------------|
| @http://192.1 | 68.168.1/ios |
| 6 | Statue 🦱 |
| Sign in to "IDEA+ D | o 192.168.168.1 Docking Station" |
| Name | |
| admin | |
| Password | . Test : |
| ••••• | |
| | |
| Sign in | Cancel |
| IDEA+ | |
| Wireless Securi | ty |
| Disabled | |

4. Here is the status page.



4.2 Setting

For Smart Phone user, launch web browser, and enter the iDEA⁺ Docking Station's IP Address: **"192.168.168.1**" and enter the default User name: **"admin**" and **Password**: **"admin**"

4.2.1 Gateway Mode

1. Touch Setting->Internet.



2. Touch Choose and select DHCP. Touch "Submit" to continue setting.



3. Settings are saved. Touch Confirm to exit.

🔺 🗢 📶 📋

0



4.2.2 Hotspot Mode

1. Touch Setting -> Internet.

| USB Device Settin Wireless Internet | * 1 | in a | 5-++ |
|---|------------|--------------|--------------------|
| Wireless Internet | ng | ing Setti | Sett USB Device |
| Internet | Ø | | ireless |
| | Ð | | ternet |
| | Ð | | ternet |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

2. Touch Choose and select Hotspot. Touch "Submit" to continue setting.





3. It will list the Wireless AP for you to connect. Touch an AP to connect.



4. When AP's encryption is WPA/WPA2, enter the pre-shared key of the wireless AP. Touch "Join" to continue.

| | 🛋 🖘 🧇 📲 |
|------------------------|---------|
| K Back Password | Join |
| Pre-Shared Key: | |
| Password required | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

- 5. When AP's encryption is WEP, choose Key Length, Key Format and enter the WEP key of the wireless
- AP. Touch "Join" to continue.

| | | 4× 🗢 📶 🗎 |
|-------------|----------|----------|
| Back | Password | Join |
| Key Length: | | |
| | 64-bit | 0 |
| Key Format: | | |
| (| ASCII | 0 |
| WEP Key: | | |
| Password r | equired | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

6. Settings are saved. Touch Confirm to exit.



4.2.3 Wireless Setting

It is only to change the wireless setting of the iDEA⁺ Docking Station.

1. Touch Setting->Wireless

| Setting USB Device Setting | 6 |
|----------------------------|---|
| USB Device Setting | |
| | 8 |
| Wireless | Ø |
| Internet | |

2. In Authentication Type, choose "Open","WEP", or "WPA-Auto". Fill in the Pre-Shared Key when the Authentication Type is WPA-Auto. Fill in the WEP key when the Authentication Type is WEP. You can turn on Turbo mode and the channel width will be 40MHz. Fill in the SSID. Touch Submit to confirm the setting.

| < Back | Wirelss | |
|-----------|-------------|---|
| Authenti | ation Type: | |
| \square | WPA-Auto | 0 |
| Pre-Shar | ed Key: | |
| Passwoi | rd required | |
| Turbo Mo | ode: | |
| | On 🖉 | |
| SSID: | | |
| IDEA+ | | |
| · | | |
| 0 | Submit | |

| | | 4× 🗢 📶 🔋 |
|--------------|----------|----------|
| Back | Wirelss | |
| Authenticati | on Type: | |
| | WEP | 0 |
| Key Length: | | |
| | 64-bit | 0 |
| Key Format: | | |
| | ASCII | 0 |
| WEP Key: | | |
| Password r | equired | |
| Turbo Mode | : | |
| On | | |
| SSID: | | |
| IDEA+ | | |

3. Settings are saved. Touch Confirm to exit.



4.3 Access USB Device

Touch USB Device

| $\overline{}$ | | 4× 🛜 📶 💈 |
|---------------|------------|----------|
| | Status | ٢ |
| USB Devic | e | Setting |
| Internet Ty | me | |
| DHCP | he | |
| Internet IP | address | |
| 192.168.12. | 67 | |
| Internet M | AC Address | |
| 00:13:64:00 | :00:16 | |
| Wireless SS | ID | |
| IDEA+ | | |
| Wireless Se | curity | |
| Disabled | | |
| Connected | Client | |
| | | - |

It will show the directory and file in the USB HDD or Flash Drive. Touch the video or music which you want to playback.



Appendix A: Troubleshooting

iDEA⁺ Docking Station doesn't respond

- Power ON iDEA⁺ Docking Station
- If that doesn't work, check if the power plug is connected to outlet.

Wi-Fi devices cannot connect with iDEA⁺ Docking Station

- Verify the network configuration of Wi-Fi devices.
- Verify the wireless security key.
- Verify if the Wi-Fi devices is too far to connect with iDEA⁺ Docking Station.

The throughput is slow

- Avoid placing the iDEA⁺ Docking Station near the metal objects
- Change the wireless channel.

Cannot access iDEA⁺ Docking Station webpage

- Check the IP address of your Wi-Fi client if it is in the same network domain as iDEA⁺ Docking Station.
- Press reset button to reset iDEA⁺ Docking Station to default.