

Wireless Music Router  
**iPlay**

**User Manual**



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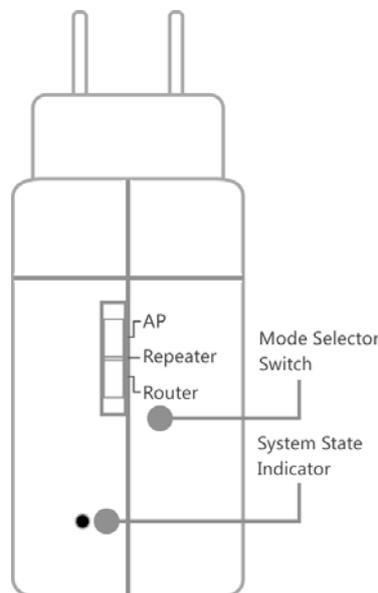
## Chapter 1: Introduction

### Product Overview

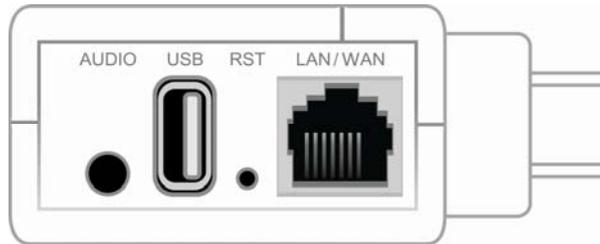
Thank you for choosing iPlay Wireless Music Router.

iPlay Wireless Music Router is designed for notebooks, tablets, smart phones and other portable wireless devices. It sends the music on your iPhone, iPad or Android devices to stereo or speakers in your home. And it turns your external USB hard drive into a drive you can share with all the users on your network. It supports multiple operating modes including AP, Router and Repeater, all these features make it a unique product to create a highly efficient mobile office or entertainment network anytime anywhere. Moreover, this router is small enough to fit in your pocket, no need for any extra power adapter. While you're out and about, the USB port can also charge your most USB powered devices including Smart Phone or Tablet. With the compact and exquisite appearance, it is the best choice for your enjoyable travel and business trip.

### Top Panel



LED	Status	Description
SYS	Solid Red	During Power ON or system is defective.
	Solid Blue	The device is powered ON and operating properly.
	Blinking Blue	The device is processing WPS.

**Bottom Panel**

Button/Interface	Description
AUDIO	Connect stereo or speakers.
USB	Connect a USB stick or charge your Smart Phone or Tablet.
RST	Long press and hold the button for 5 seconds, the Router will reboot to its factory default settings.
LAN/WAN	This Ethernet port can be used as a LAN or WAN port.

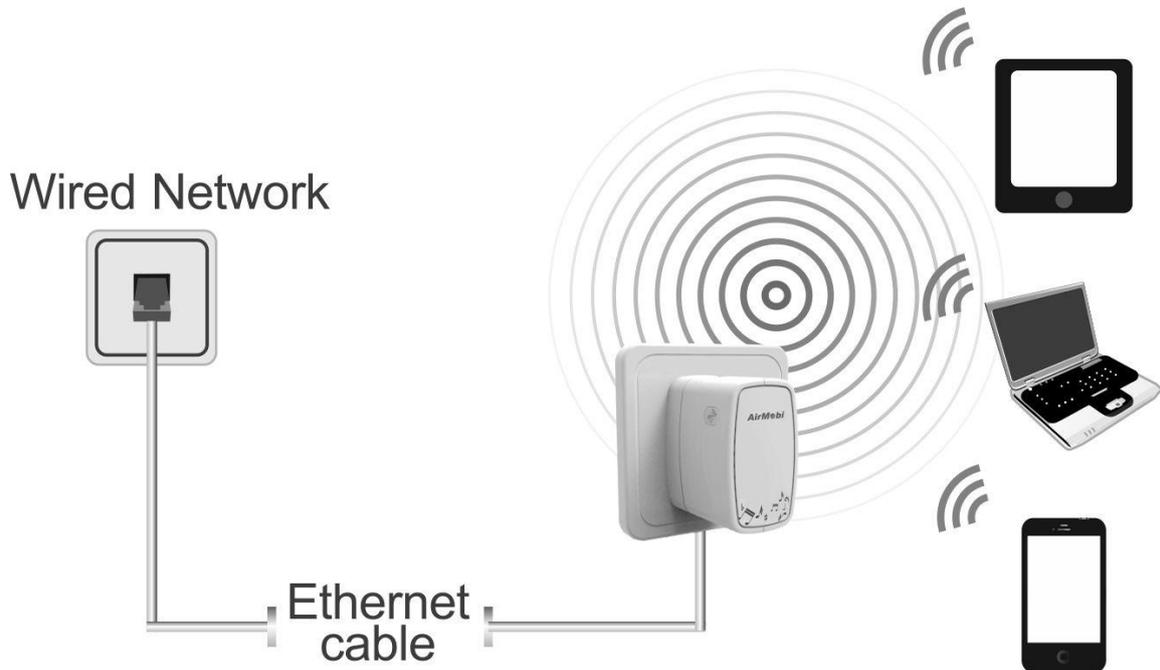
**Main Features**

- IEEE 802.11n, wireless speed up to 150Mbps
- Travel-sized design, lightweight, great for home or travel use
- Sends music on your iPhone, iPad or Android mobile devices to stereo or speakers
- Shares files from any USB drive wirelessly
- USB port can be used for charging the Smart Phone or Tablet
- Supports multiple operation modes in different environment
- Switches operation mode easily by Mode Selector Switch
- Supports WEP, WPA/WPA2, WPA /WPA2- Personal (TKIP/AES) Encryptions
- Quick wireless security connection by simply pressing the WPS button
- Backward compatible with 802.11b/g product
- Free iPlayShare App for iPhone®, iPad® and Android® mobile devices

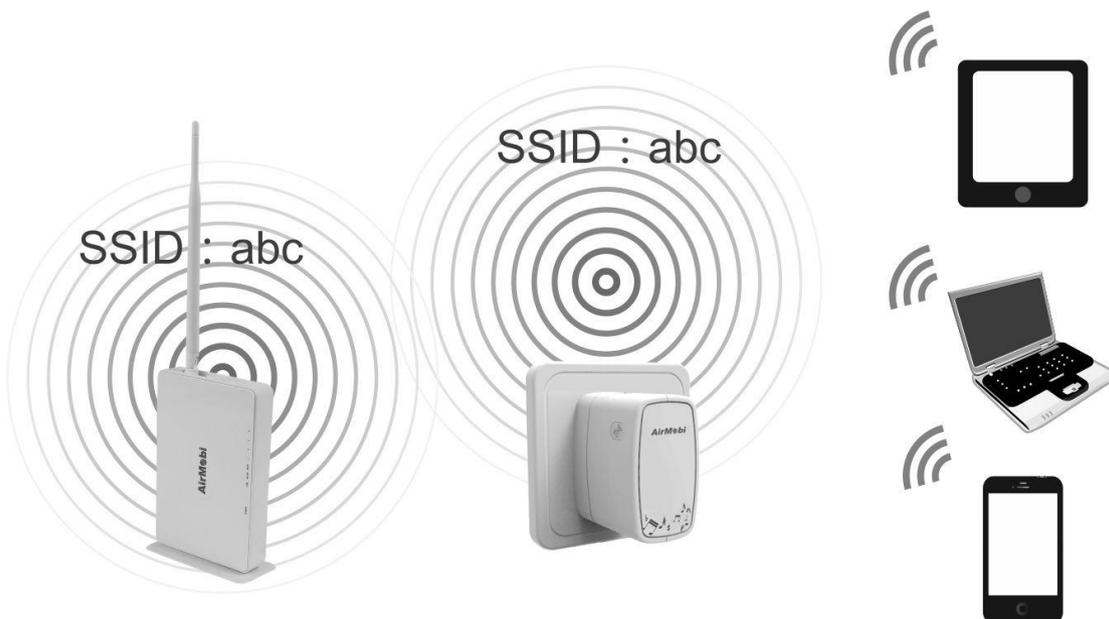
## Chapter 2: Operating Mode Introduction

This Wireless Music Router supports three operation modes including **AP**, **Repeater** and **Router**. You can use the Mode Selector Switch on the top of the device to change the operation mode. By default, the operation mode is **AP**.

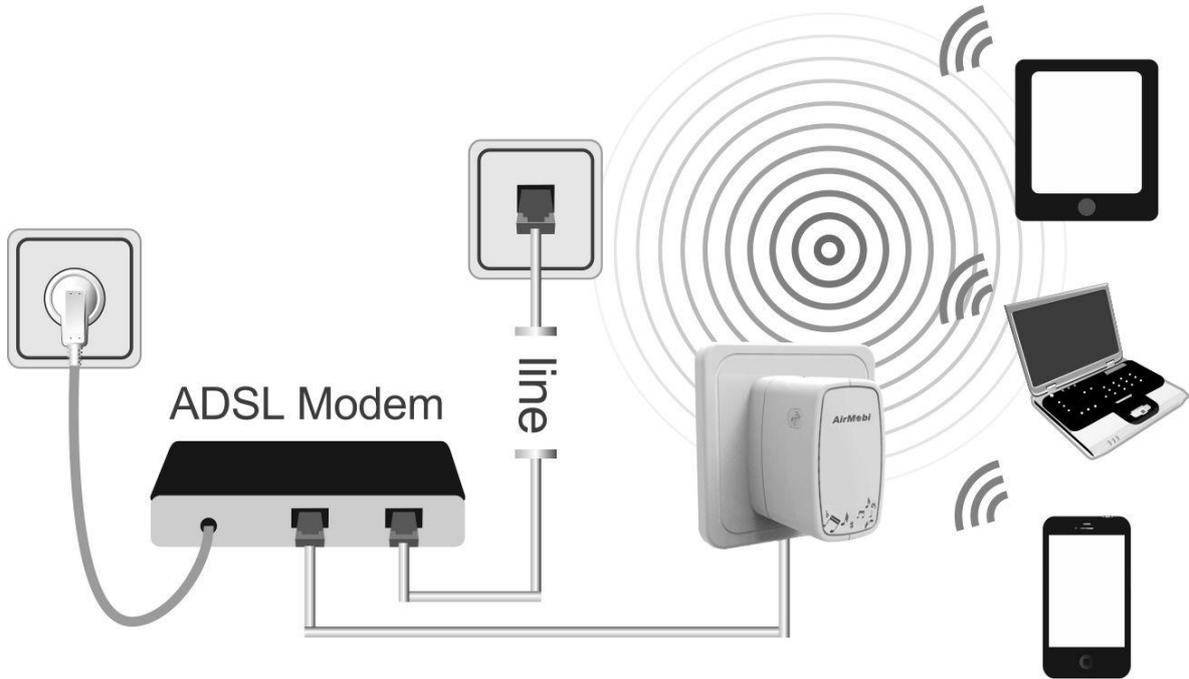
In AP mode, it extends your existing hardwired network to your wireless clients.



In Repeater mode, it extends the coverage of your root wireless router, boost the wireless signal strength.



In Router mode, it enables Multiple Wi-Fi devices to share Internet via DSL/Cable Modem.



## Chapter 3: Installation

### Physical Connection

Please refer to Chapter 2.

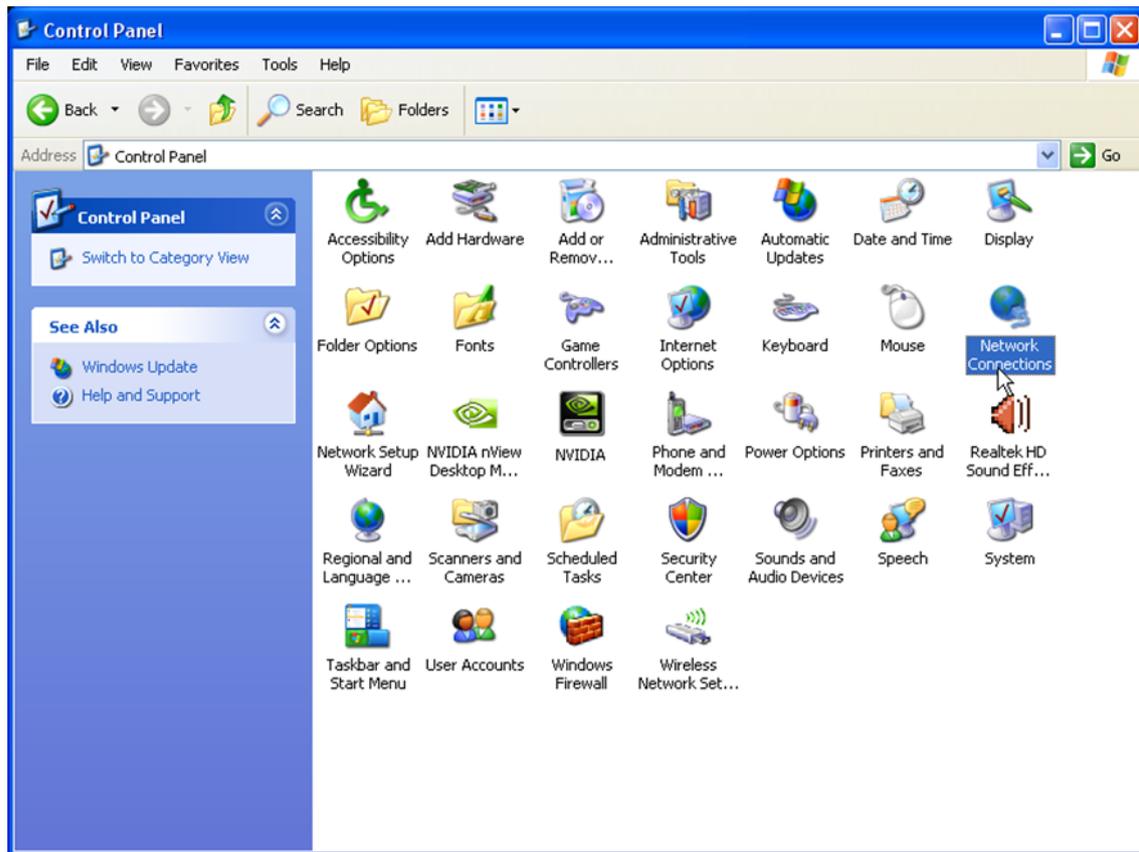
### Configure the Computer's IP Address

For Windows XP/2000

- 1) Click **Start > Control Panel**.



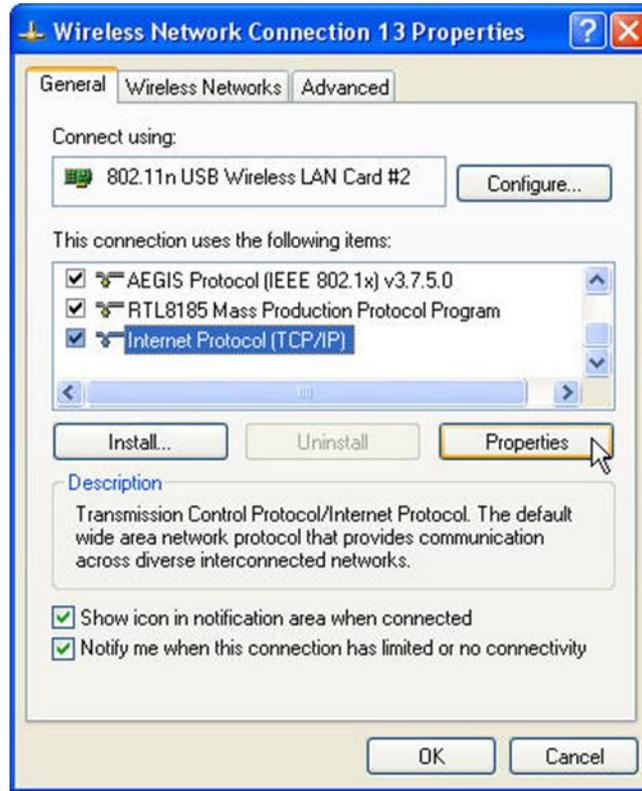
2) Select and double click **Network Connections**.



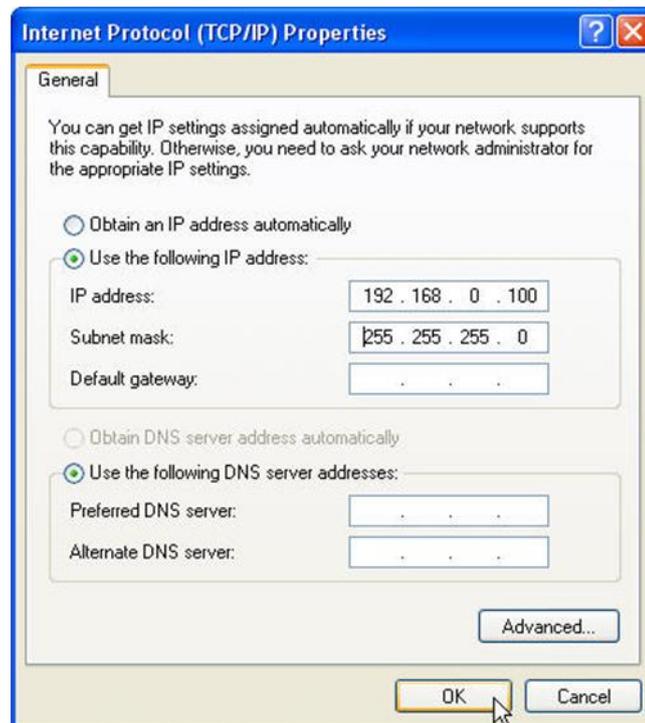
3) Right click **Wireless Network Connection** and then select **Properties**.



- 4) Select **Internet Protocol (TCP/IP)** and click **Properties**.



- 5) Select **Use the following IP address** and **Use the following DNS Server addresses**. The IP address put in 192.168.0.X (like 192.168.0.100), Subnet mask put in 255.255.255.0, Default gateway leave it blank. Then click **OK**, and then click **OK** again.

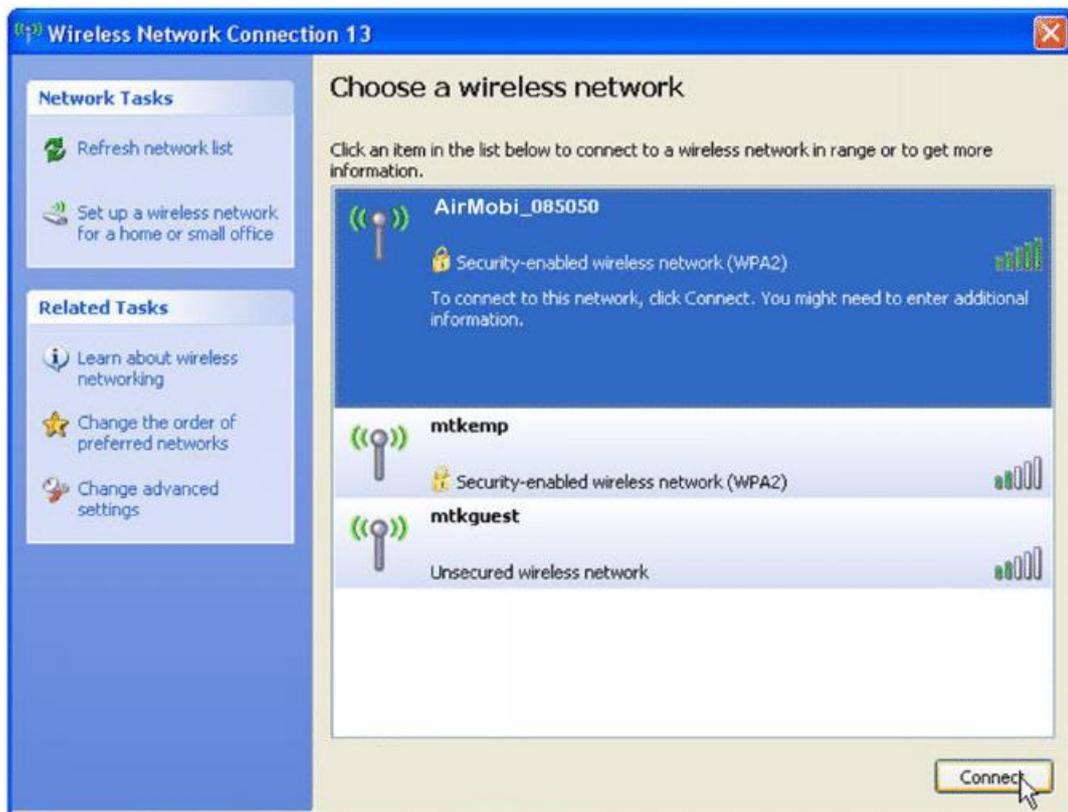


- 6) Right click on **Wireless Network Connection** again, choose **View Available Wireless Networks**.

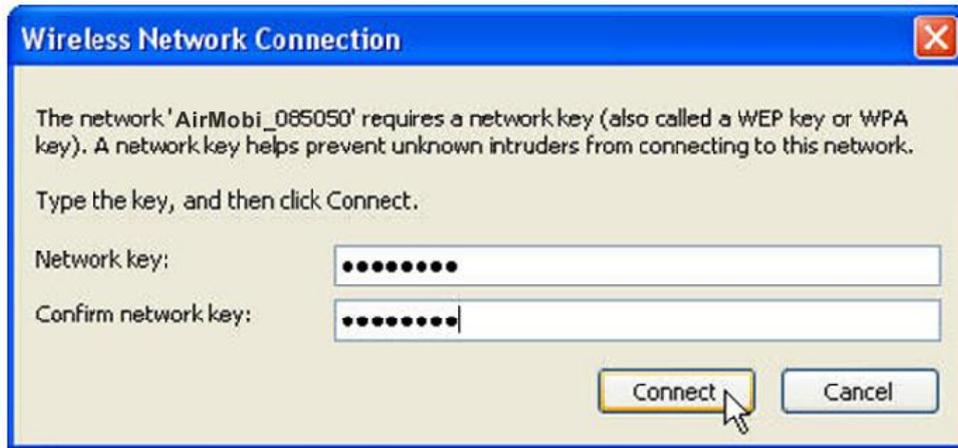
### LAN or High-Speed Internet



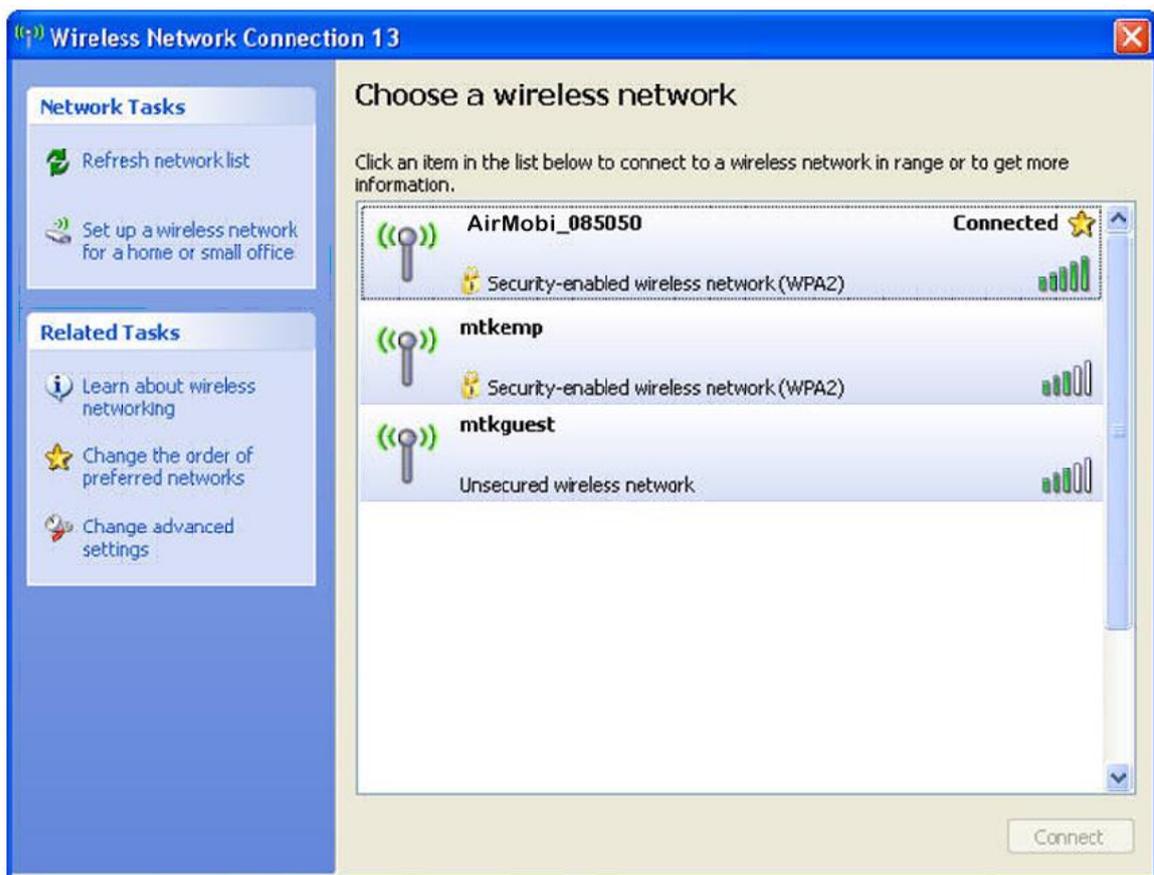
- 7) Click **Refresh network list**, search for AirMobi\_XXXXXX, highlight on it and then click **Connect** button.



- 8) You can see a windows pop up requires for a Network key, you can find the Wi-Fi Password from the label attached on the Wireless Music Router. Put in the network key and then click **Connect**.

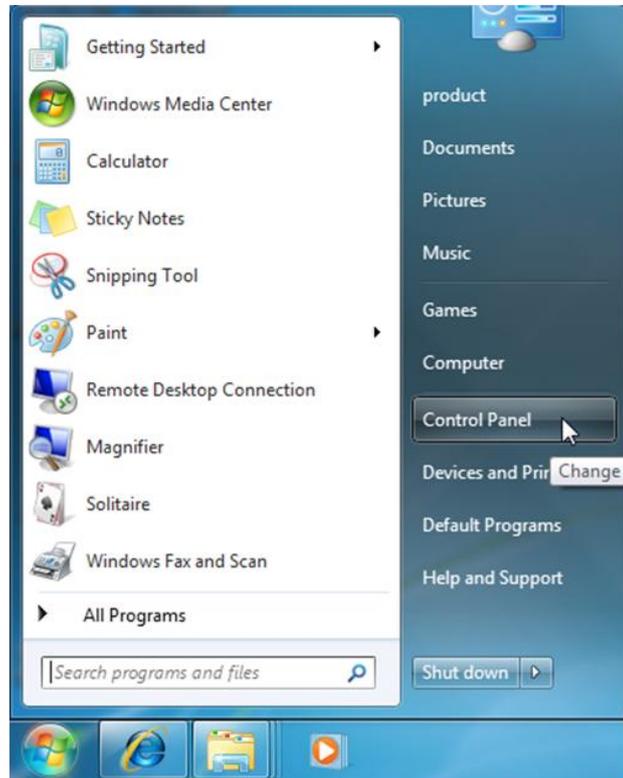


- 9) After you put in the correct network key, you can see it showing connected.

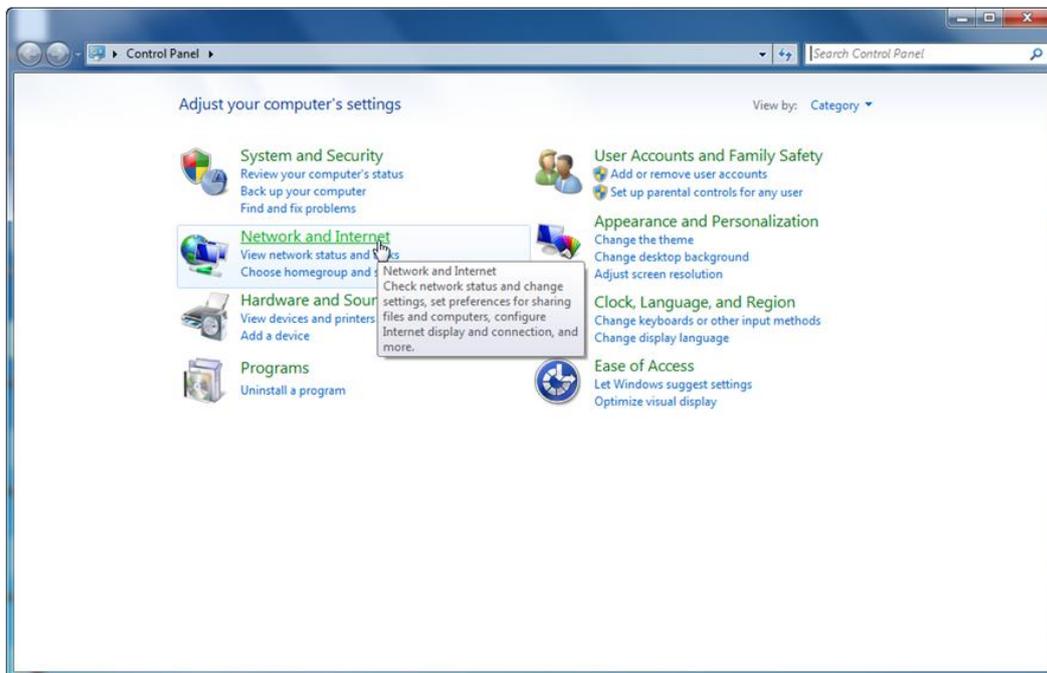


## For Windows Vista/7

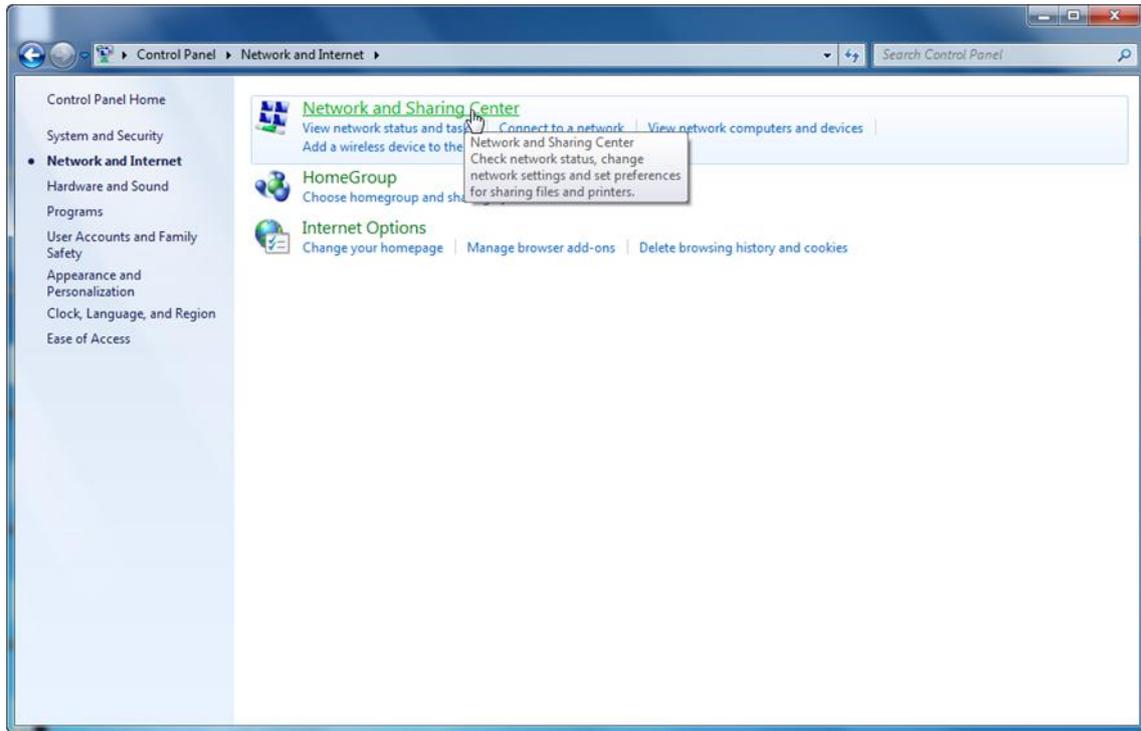
1) Click **Start>Control Panel**.



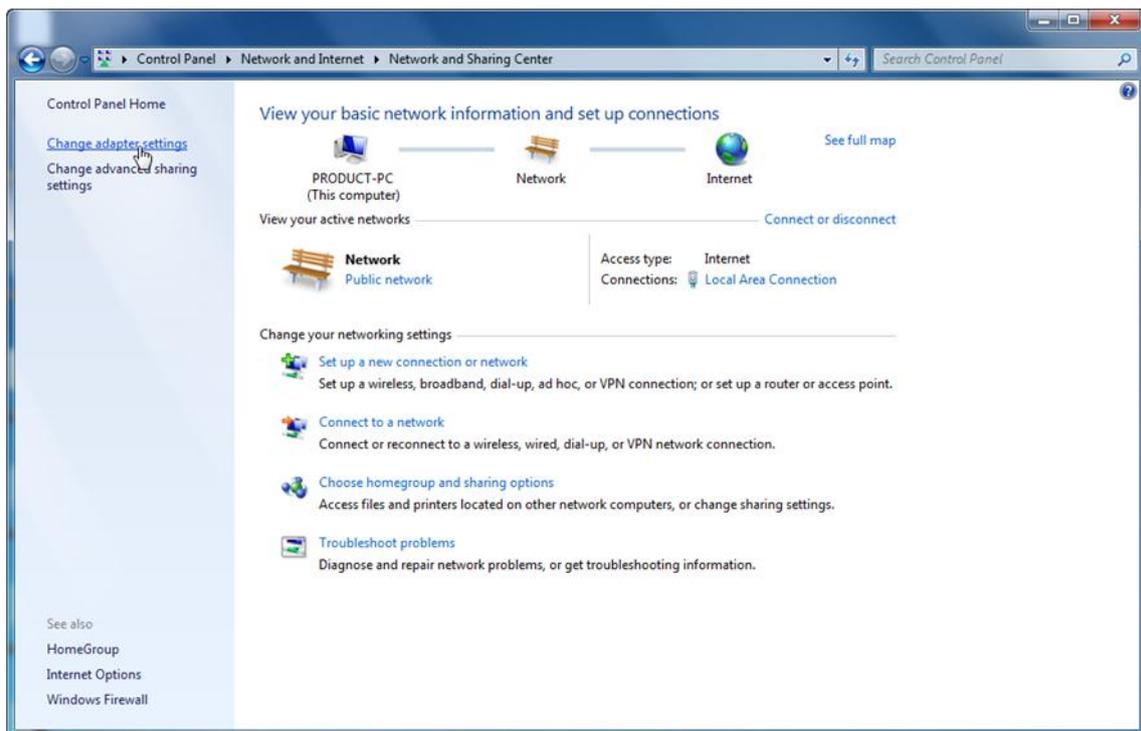
2) Click **Network and Internet**.



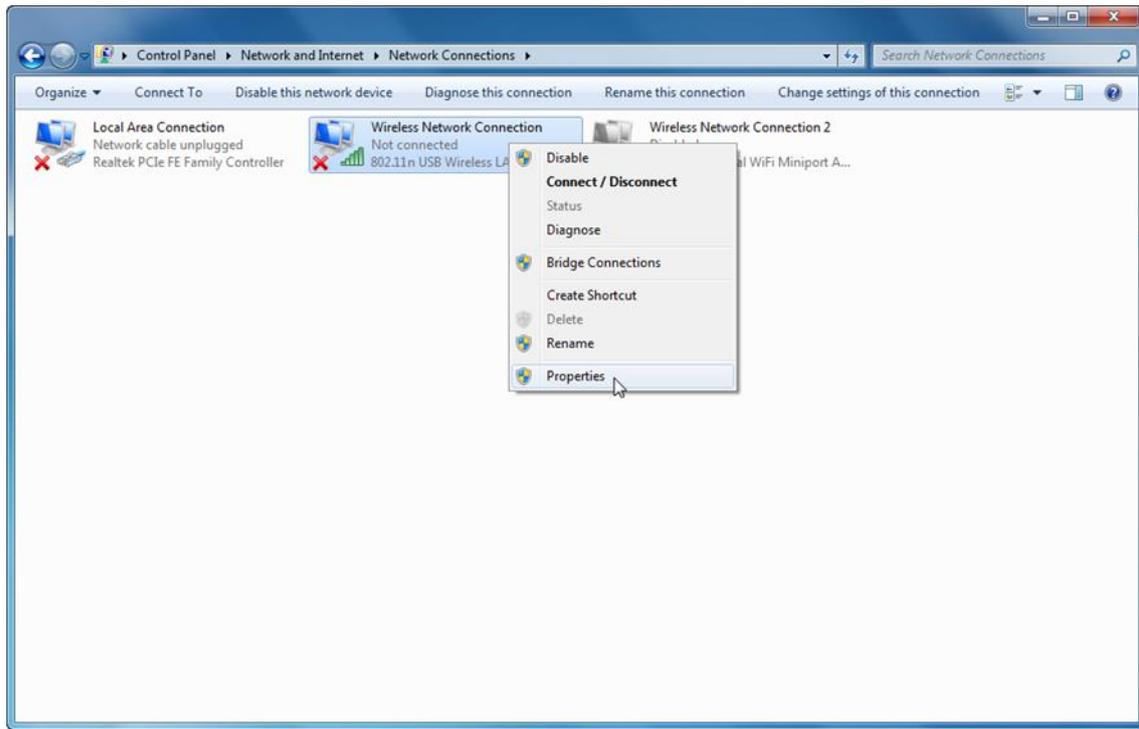
### 3) Click **Network and Sharing Center**.



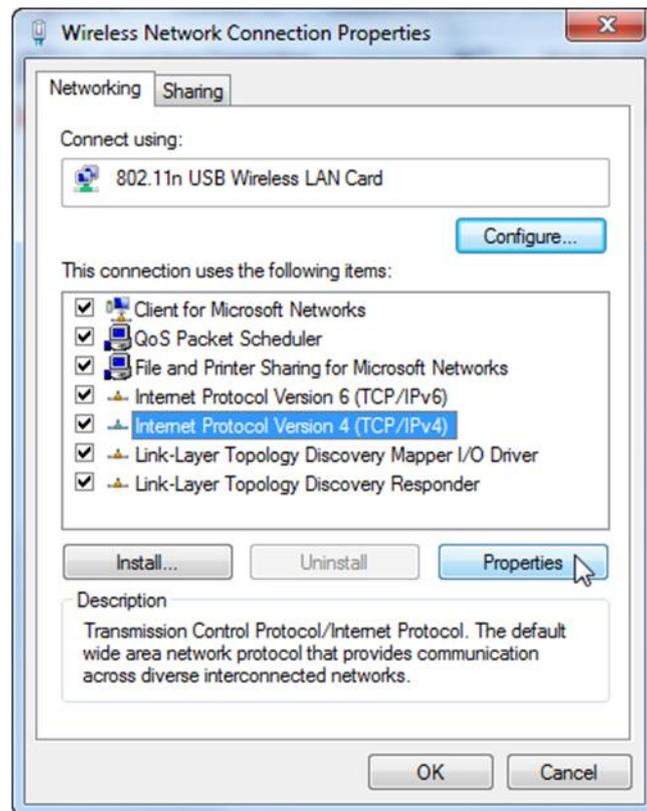
### 4) Go to **Change Adapter Settings (win7)/Manage Network Connections (Vista)**.



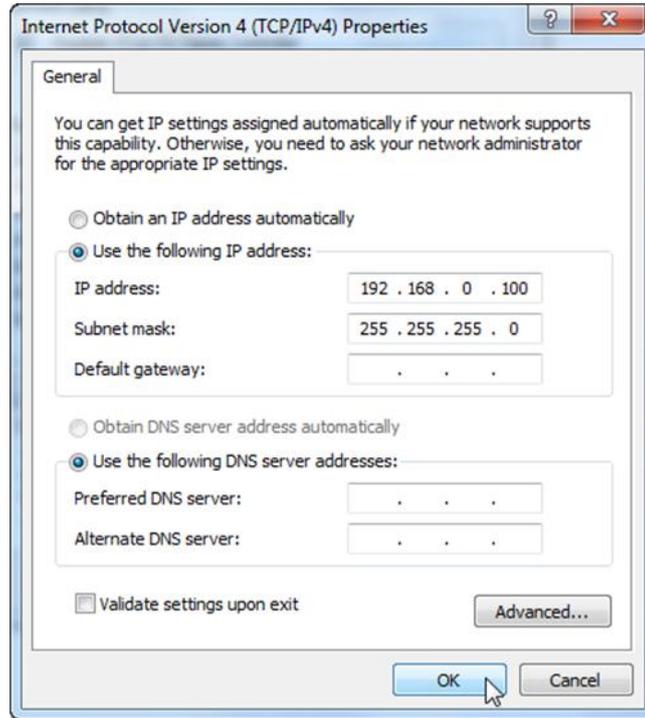
5) Right click **Wireless Network Connection**, choose **Properties**.



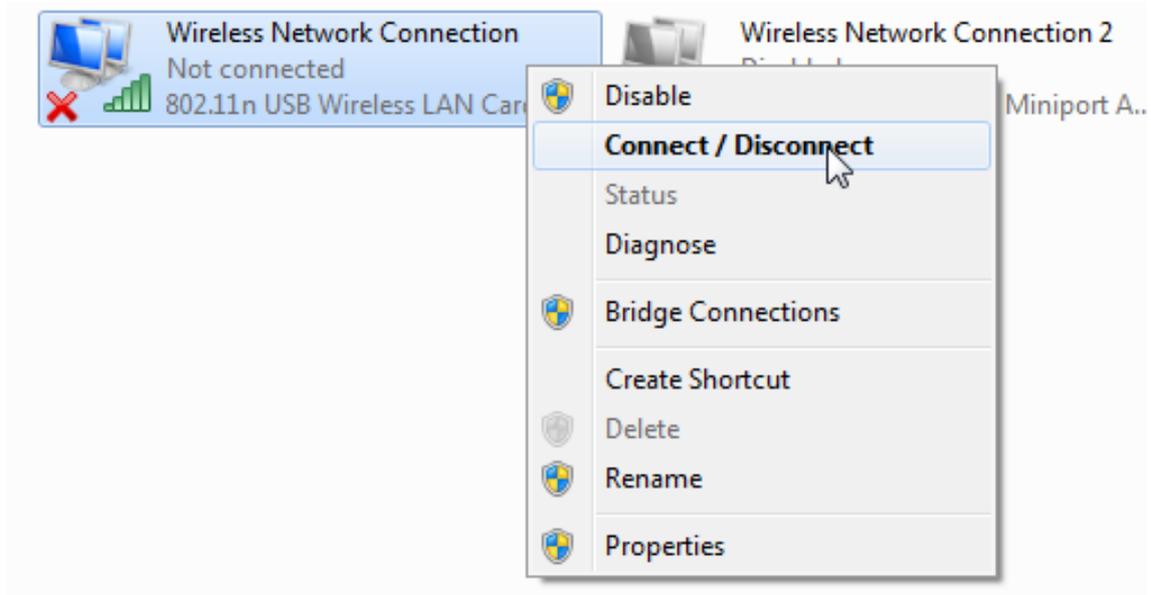
6) Select **Internet Protocol Version 4 (TCP/IPv4)** and click **Properties**.



- 7) Select **Use the following IP address** and **Use the following DNS Server addresses**, the IP address put in 192.168.0.X (like 192.168.0.100), the Subnet mask put in 255.255.255.0, the Default gateway leave it blank, then click **OK**, and then click **OK** again.



- 8) **Right click on** Wireless Network Connection **again, choose** Connect/Disconnect.

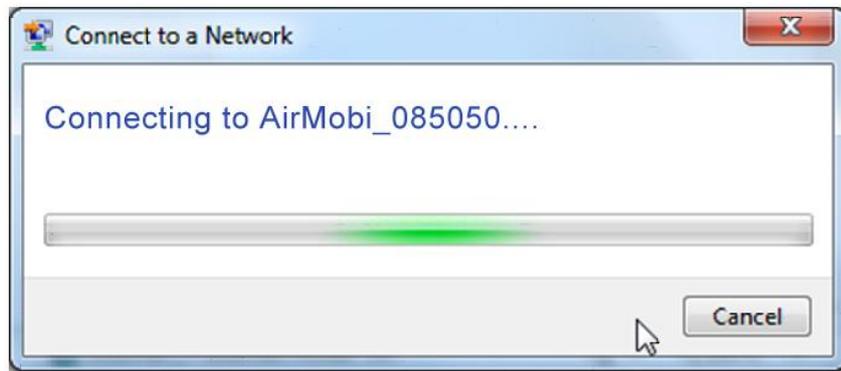


- 9) Click **Refresh network list**, search for AirMobi\_XXXXXX, highlight on it and then click **Connect** button.



- 10) You can see a windows pop up requires for a Network security key, you can find the Wi-Fi Password from the label attached on the Wireless Music Router. Put in the network security key and then click **OK**.





11) After you put in the correct network security key, you can see it showing connected.



## Setup Wizard

With a Web-based utility, it is easy to configure and manage the iPlay Wireless Music Router. The Web-based utility can be used on any Windows, Macintosh or UNIX OS with a Web browser, such as Microsoft Internet Explorer, Mozilla Firefox or Apple Safari.

1) Open your web browser, in the address bar, type in **192.168.0.1**



2) You are prompt to enter the Username/Password (preset as **admin/admin**) which you can found on the label attached to the router, click **Login**.



3) After successful login, you can see the web management page of the router comes up, please go to **Setup Wizard** on the left side menu.



## AP Mode

When you choose **AP** on the Mode Selector Switch take the following steps:

- 1) Click **Next**. Confirmed the AP mode is right for you, click **Next**.

### Setup Wizard

#### Confirm your device mode

iPlay in AP(Access Point) mode, in this mode, the wired network into a Wi-Fi network

Confirmed the mode as you need, please click "Next" to continue.

If not, please switch a right mode by the mode switch.

- 2) You can give your wireless network a different name, and we recommend you choose **Enable wireless security**, and then set up a password, click **Next**.

### Setup Wizard

#### Configure your Wi-Fi security

Wireless network name(SSID)

Wireless Security Options

Disable wireless security

Enable wireless security

(8-63 ASCII characters or hexadecimal characters)

- 3) Click **Finish** to save the configuration and close the wizard.

### Setup Wizard

Congratulations! You have completed the basic network settings.

Click "Finish" to save the configuration and close the wizard.

## Repeater Mode

When you choose **Repeater** on the Mode Selector Switch take the following steps:

- 1) Click **Next**. Confirmed the Repeater mode is right for you, click **Next**.

### Setup Wizard

#### Confirm your device mode

iPlay in repeater mode, in this mode, you can extend your existing Wi-Fi network

Confirmed the mode as you need, please click "Next" to continue.

If not, please switch a right mode by the mode switch.




- 2) Configure parameter of the wireless network you'd like to connect.

### Setup Wizard

#### Configuration Repeater

Access wireless network name(SSID)



Security Mode

OPEN

Encryption Type

None




Click on **Search** button, it will show the site list of scanning result, please find your main AP's SSID, and then click **Connect**.

Station Survey						
	SSID	BSSID	RSSI	Channel	Encryption	
1	TP-LINK_3848 DC	6c:e8:73:95:01:dc	10dBm	2	WPA1PSK WPA2PSK/ AES	<a href="#">Connect</a>
2	AirMobi_30 50D0	00:0c:43:30:50:d0	20dBm	6	WPA2PSK/ AES	<a href="#">Connect</a>
3	AirMobi_99 9999	00:99:99:99:99:99	50dBm	6	WPA2PSK/ AES	<a href="#">Connect</a>

After that, the values you selected will be filled in the **Access wireless network name (SSID)**, **Security Mode** and **Encryption Type** automatically. Enter the Wi-Fi password of the wireless

network you'd like to connect. Click **Next** to apply the settings.

## Setup Wizard

### Configuration Repeater

Access wireless network name(SSID)	<input type="text" value="AirMobi_3050D0"/>	<input type="button" value="Search"/>
Security Mode	<input type="text" value="WPA2-Personal"/>	
Encryption Type	<input type="text" value="AES"/>	
Password	<input type="text" value="wgedf135532"/>	

3) Click **Finish** to save the configuration and close the wizard.

## Setup Wizard

Congratulations! You have completed the basic network settings.  
Click "Finish" to save the configuration and close the wizard.

## Router Mode

When you choose **Router** on the Mode Selector Switch take the following steps:

1) Click **Next**. Confirmed the Router mode is right for you, click **Next**.

## Setup Wizard

### Confirm your device mode

iPlay in router mode, in this mode, home devices to share a Wi-Fi network to the Internet  
Confirmed the mode as you need, please click "Next" to continue.  
If not, please switch a right mode by the mode switch.

2) Please choose your Internet connection type, there are three options available: **Static IP**, **DHCP**, and **PPPoE**.

## Setup Wizard

### Configure your Internet connection

This router supports three types of network connection modes. Please select an appropriate one according to the actual situation.

	DHCP Static IP <b>DHCP</b> PPPoE
<b>DHCP Mode</b>	
Host Name	<input type="text"/>

- a) Select **Static IP** if your ISP gives you the **IP Address, Subnet Mask, Default Gateway** and **DNS Server Address**, type in those information and then click **Next**.

## Setup Wizard

### Configure your Internet connection

This router supports three types of network connection modes. Please select an appropriate one according to the actual situation.

	Static IP DHCP PPPoE
<b>Static IP</b>	
IP Address	<input type="text"/> . <input type="text"/> . <input type="text"/> . <input type="text"/>
Subnet Mask	<input type="text"/> . <input type="text"/> . <input type="text"/> . <input type="text"/>
Default Gateway	<input type="text"/> . <input type="text"/> . <input type="text"/> . <input type="text"/>
Primary DNS Server	<input type="text"/> . <input type="text"/> . <input type="text"/> . <input type="text"/>
Secondary DNS Server	<input type="text"/> . <input type="text"/> . <input type="text"/> . <input type="text"/> (Optional)

- b) Select **DHCP** if your ISP does not gives you any IP numbers to use. This option is commonly used for cable modem services. Router will obtain IP address information automatically. In this case, no need to input anything but click Next.

## Setup Wizard

### Configure your Internet connection

This router supports three types of network connection modes. Please select an appropriate one according to the actual situation.

DHCP

#### DHCP Mode

Host Name

- c) **PPPoE** is typically used for DSL services. Select **PPPoE** and type in the **Username** and **Password** provided by your ISP, and then click **Next**.

## Setup Wizard

### Configure your Internet connection

This router supports three types of network connection modes. Please select an appropriate one according to the actual situation.

PPPoE

#### PPPoE Mode

Username

Password

Verify Password

- 3) You can give your wireless network a different name, and we recommend you choose **Enable wireless security**, and then set up a password, click **Next**.

## Setup Wizard

### Configure your Wi-Fi security

Wireless network name(SSID)

AirMobi\_085050

Wireless Security Options

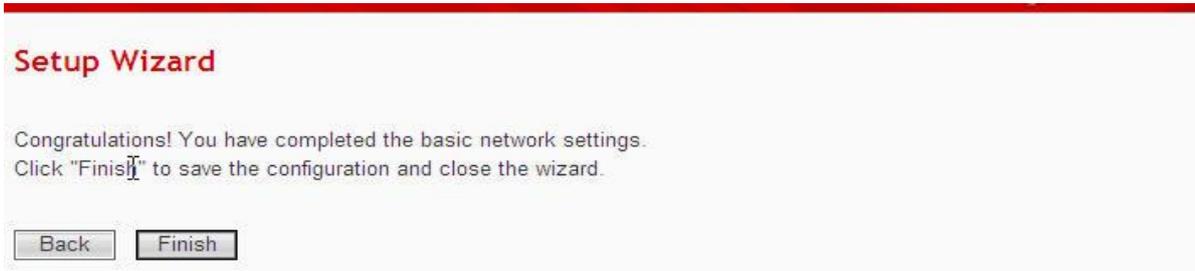
Disable wireless security

Enable wireless security

flfed5827332

(8-63 ASCII characters or hexadecimal characters)

- 4) Click **Finish**, then you can check the Internet is working or not.



## Music Streaming and USB Data Sharing

iPlay supports the function of Music Streaming and USB Data Sharing.

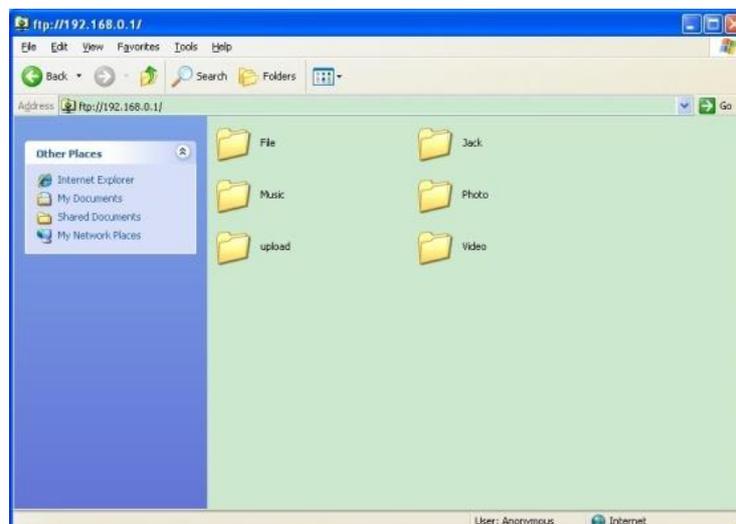
**Music Streaming:** It takes the music from your iPhone, iPad, iPod touch or Android mobile devices and sends it wirelessly to any stereo or speakers in your home.

**USB Data Sharing:** iPlay serves up effortless access to stored personal files and multimedia whenever a USB disk is connected to the router's built-in USB port. Music, videos, photos and files can be shared among multiple users with the easy touch-based iPlayShare App for iOS and Android devices, or users with a notebook.

**Using the function of USB Data Sharing, you need to insert your USB disk to iPlay. Using the function of Music Streaming, please connect your speakers to iPlay with an audio cable. At the same time, please make sure your Smart Phone, Tablet and PC have been connected to the iPlay.**

### Using USB Data Sharing via PC

- 1) Open **My Computer** and type **ftp://192.168.0.1** in the address bar, press **Enter**. And then you can access all files on the USB disk.

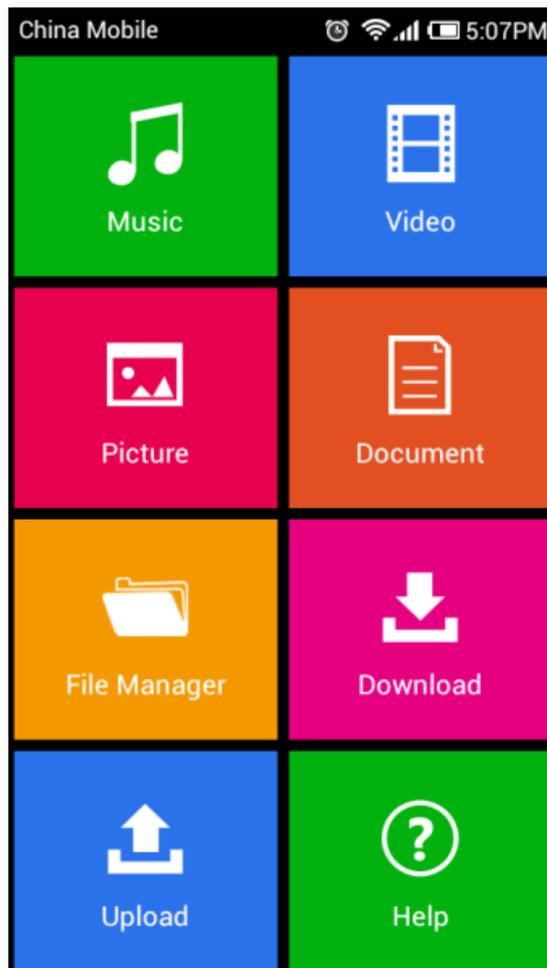


## Using USB Data Sharing & Music Streaming via Smart Phone and Tablet

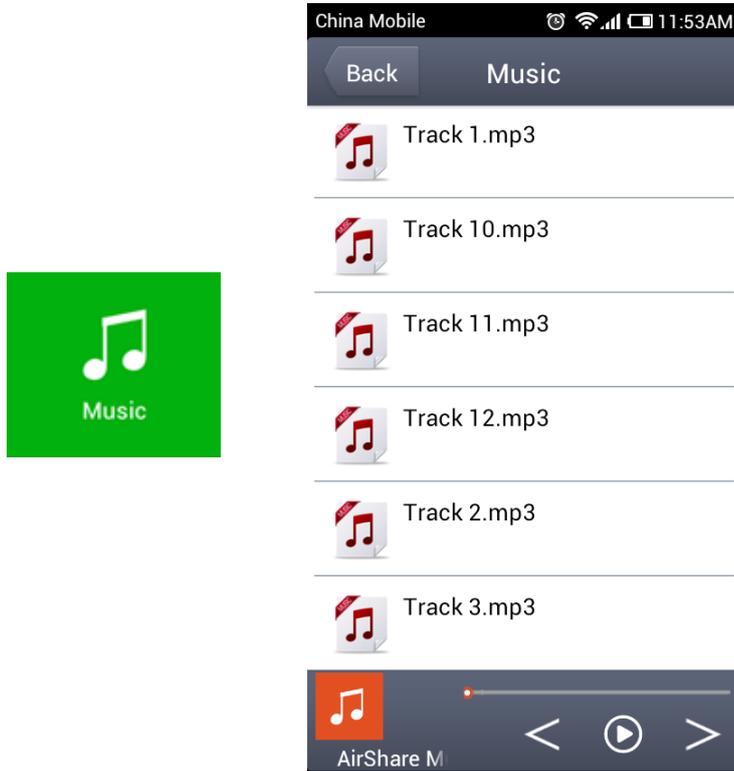
- 1) Search the app on the App store or Google Play, and you also can scan the QR code to download and install the iPlayShare App to your iPhone, iPad or Android devices.



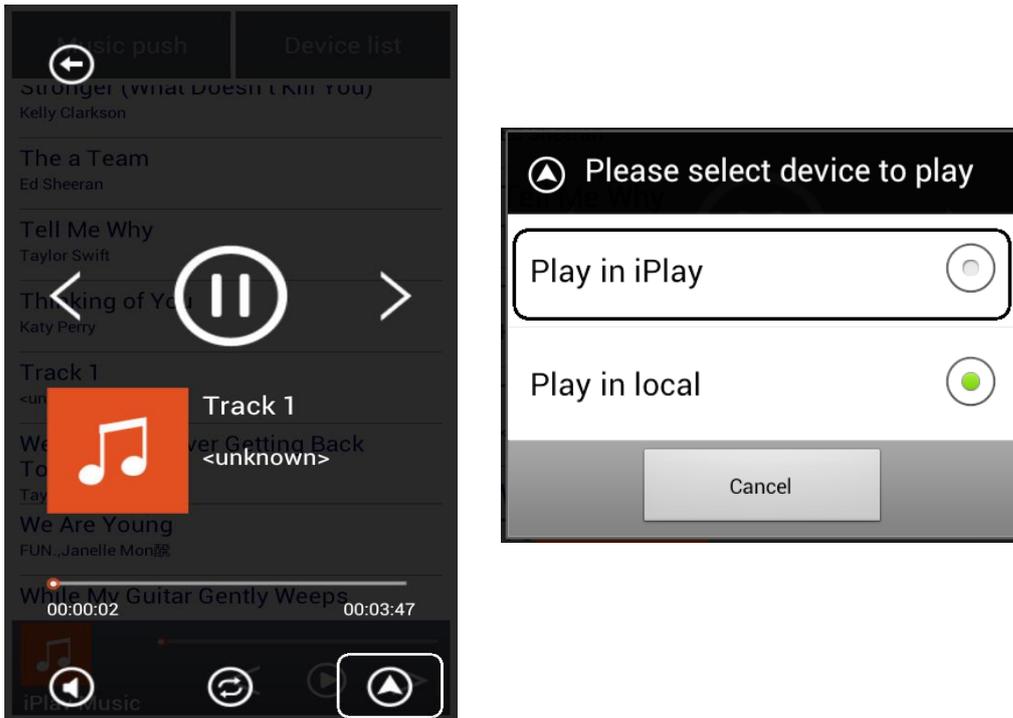
- 2) Once installed click on the icon  to open the iPlayShare.



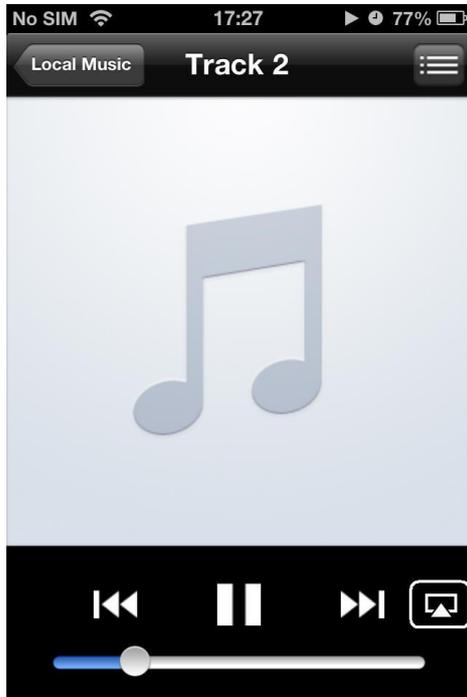
3) For the Music section, click the music icon to play your music from your USB flash drive.



4) Enter the following interface. Click on the icon surrounded by the square frame, choose play in iPlay, and then the music will play on the stereo.

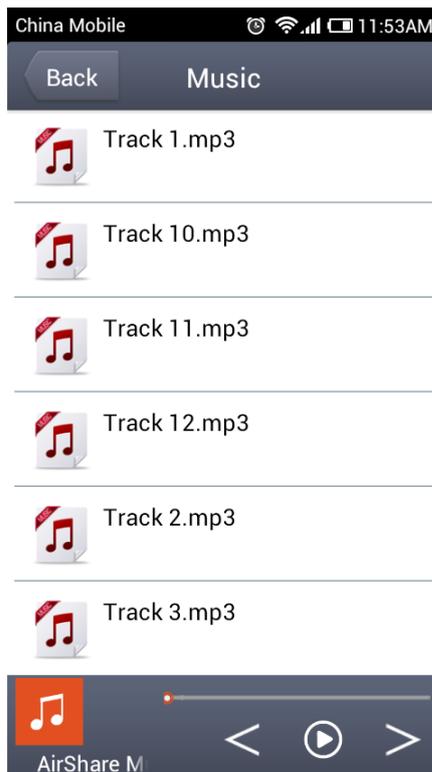
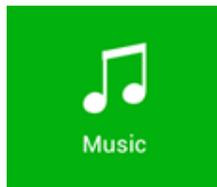


**Android**

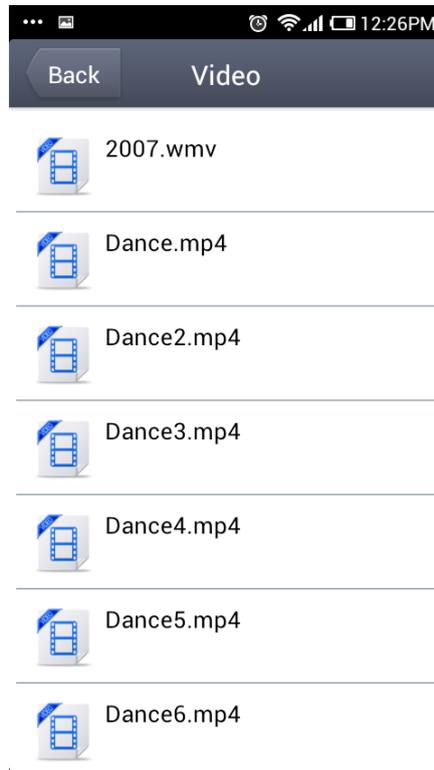
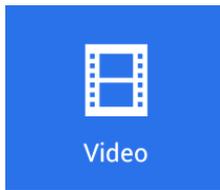


iOS

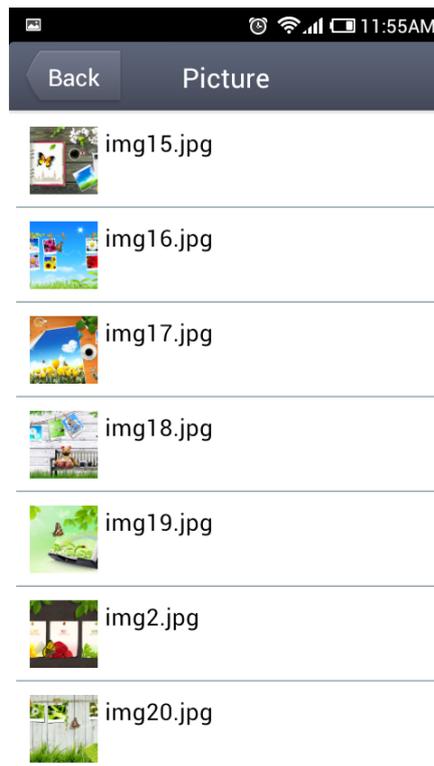
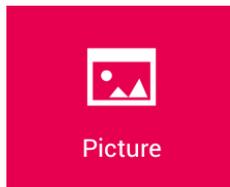
5) For the Music section, click the music icon to play your music from your USB flash drive.



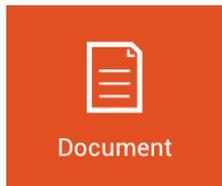
6) For the Video section, click the video icon to play your video from your USB flash drive.



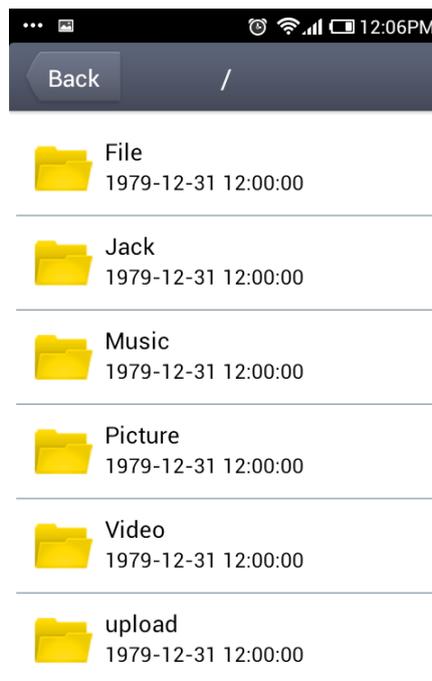
7) For the Picture section, click the picture icon to open your picture from your USB flash drive.



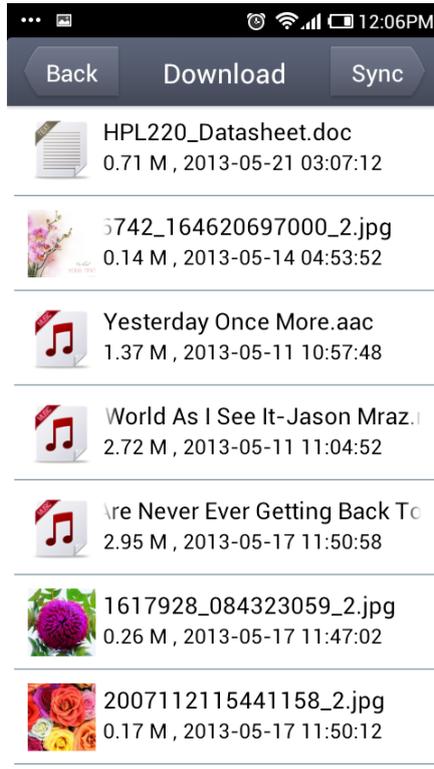
- 8) For the Document section, click the document icon to open your document from your USB flash drive.



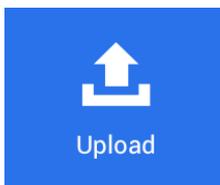
- 9) For the File Manager section, click the file icon to open the menu of file operations.



10) For the Download section, click the file icon to open the file downloaded from your USB flash drive.



11) For the Upload section, you can upload files to your USB flash drive from your device.



Choose files to upload

## Chapter 4: Software Configuration for AP Mode

### Login

After your successful login, you can configure and manage the device. There are main menus on the left of the web-based utility. Submenus will be available after you click one of the main menus. On the right, there are the corresponding explanations and instructions.

- ▶ Running Status
- ▶ Setup Wizard
- ▶ Network Settings
- ▶ Wireless Settings
- ▶ System Tools

### Running Status

The **Running Status** page shows the current status of the Router on AP Mode. All information is read-only.

Running Status	
<b>Router Information</b>	
Hardware Version	1.0
Software Version	iPlay-R1B011D972
Running Time	2 mins, 47 secs
<b>LAN</b>	
IP Address	192.168.0.1
Subnet Mask	255.255.255.0
MAC Address	C0:5E:79:FB:7F:DD
<b>Wireless</b>	
Wireless Enabling Status	Enabled
Wireless Network Name (SSID)	AirMobi_085050
Channel	1
Wireless Connection Type	11b/g/n
MAC Address	C0:5E:79:FB:7F:DD

## Setup Wizard

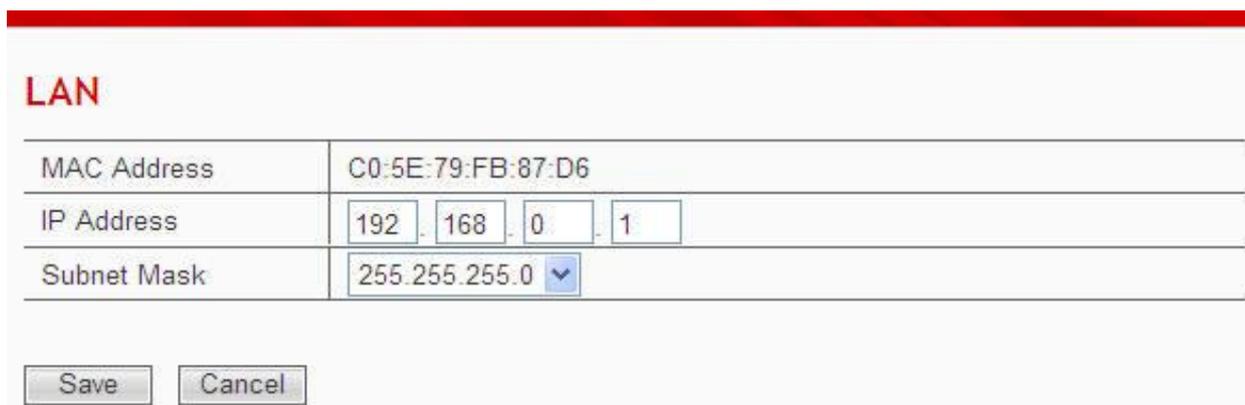
Please refer to Chapter 3.

## Network Settings

There is a submenu under the network menu: **LAN**. Click it, you will be able to configure the corresponding function.



## LAN

A screenshot of the LAN configuration page. At the top, the word 'LAN' is written in red. Below it is a table with three rows: 'MAC Address' with the value 'C0:5E:79:FB:87:D6', 'IP Address' with four input boxes containing '192', '168', '0', and '1', and 'Subnet Mask' with a dropdown menu showing '255.255.255.0'. At the bottom, there are two buttons: 'Save' and 'Cancel'.

**MAC Address:** The physical address of the router.

**IP Address:** The LAN IP Address of the router.

**Subnet Mask:** The Subnet Mask associated with the LAN IP Address.

**Note:** If you changed the LAN IP Address of the router, please login this web management page by the new IP address.

## Wireless Settings

There are two submenus under the **Wireless Settings** menu: **Wireless Basic Settings** and **Wireless Security Settings**, Click any of them, you will be able to configure the corresponding function.



## Wireless Basic Settings

### Wireless Basic Settings

Wireless Network	
Wireless network name(SSID)	<input type="text" value="AirMobi_085050"/>
Wireless Mode	<input style="border: none; border-bottom: 1px solid #ccc;" type="text" value="11b/g/n mixed mode"/> ▾
Channel	<input style="border: none; border-bottom: 1px solid #ccc;" type="text" value="6"/> ▾
SSID Broadcast	<input checked="" type="radio"/> Enabled <input type="radio"/> Disabled
BSSID	00:0C:43:76:20:58
Channel Bandwidth	<input type="radio"/> 20MHz <input checked="" type="radio"/> 20/40MHz
MCS	<input style="border: none; border-bottom: 1px solid #ccc;" type="text" value="Auto"/> ▾

**Wireless network name (SSID):** The wireless network name of iPlay, you can change it to whatever you want.

**Wireless Mode:** If all of the wireless devices connected with this wireless router are in the same transmission mode (e.g. 802.11b), you can choose "Only" mode (e.g. 11b only). If you have some devices which use a different transmission **mode**, choose the appropriate "Mixed" mode.

Wireless Mode	<input style="border: none; border-bottom: 1px solid #ccc;" type="text" value="11b/g/n mixed mode"/> ▾
Channel	<div style="border: 1px solid #ccc; padding: 2px;"> <div style="background-color: #0056b3; color: white; padding: 2px;">11b/g mixed mode</div> <div style="padding: 2px;">11b only</div> <div style="padding: 2px;">11g only</div> <div style="padding: 2px;">11n only</div> <div style="padding: 2px;">11b/g/n mixed mode</div> </div>
SSID Broadcast	<input type="radio"/> 20MHz <input checked="" type="radio"/> 20/40MHz
BSSID	
Channel Bandwidth	<input type="radio"/> 20MHz <input checked="" type="radio"/> 20/40MHz

**Channel:** The router can choose the best channel automatically in most cases. Please try to change the wireless channel if you notice interference problems with another nearby access point, or the wireless performance is not as good as you expected.

**SSID Broadcast:** If you choose Enabled, the wireless router will broadcast its name (SSID).

**BSSID:** Basic service set identification, the MAC address of the wireless router.

**Channel Bandwidth:** The bandwidth of the wireless channel, you can select 20MHz or 20/40MHz.

## Wireless Security Settings



The screenshot shows the 'Wireless Security Settings' page for the network 'AirMobi\_085050'. The 'Security Mode' dropdown menu is open, displaying the following options: Disable (highlighted), Open, Shared, WEPAUTO, WPA-Personal, WPA2-Personal, and WPA-Personal/WPA2-Personal. There are 'Save' and 'Cancel' buttons below the dropdown.

You can configure the security of your wireless network(s) in this page. There are six wireless security modes supported by this router: Open, Shared, WEPAUTO, WPA-Personal, WPA2-Personal, and WPA- Personal / WPA2-Personal.

### Mode 1: Security Mode > Disable



The screenshot shows the 'Wireless Security Settings' page for the network 'AirMobi\_085050'. The 'Security Mode' dropdown menu is closed and shows 'Disable' selected. There are 'Save' and 'Cancel' buttons below the dropdown.

If you do not want to use wireless security, highlight on this option. That means other people can connect to your wireless network without entering any password, so it may slow down your internet speed, it's recommended strongly to choose one of the following modes to enable security.

**Mode 2: Security Mode > Open/Shared/ WEPAUTO**

Wireless Security Settings	
AirMobi_085050	
Security Mode	Open <input type="button" value="v"/>
<b>WEP</b>	
Default Key	Key 1 <input type="button" value="v"/>
WEP Key 1:	<input type="text"/> Hex <input type="button" value="v"/>
WEP Key 2:	<input type="text"/> Hex <input type="button" value="v"/>
WEP Key 3:	<input type="text"/> Hex <input type="button" value="v"/>
WEP Key 4:	<input type="text"/> Hex <input type="button" value="v"/>
<input type="button" value="Save"/> <input type="button" value="Cancel"/>	

**Open System:** Select 802.11 Open System authentications.

**Shared Key:** Select 802.11 Shared Key authentications.

**WEPAUTO:** Select Shared Key or Open System authentication type automatically based on the wireless station's capability and request.

You can select ASCII or Hex format. ASCII Format stands for any combination of keyboard characters in the specified length. Hex format stands for any combination of hexadecimal digits (0-9, a-f, A-F) in the specified length.

You can enter 10 hexadecimal digits (any combination of 0-9, a-f, A-F, and null key is not permitted) or 5 ASCII characters. Or enter 26 hexadecimal digits (any combination of 0-9, a-f, A-F, and null key is not permitted) or 13 ASCII characters.

**Mode 3: Security Mode > WPA-Personal, WPA2-Personal, WPA- Personal/ WPA2-Personal**

Wireless Security Settings	
AirMobi_085050	
Security Mode	WPA-Personal <input type="button" value="v"/>
<b>WPA-Personal</b>	
WPA Encryption	<input type="radio"/> TKIP <input type="radio"/> AES
Password	<input type="text" value="12345678"/>
Key Renewal Interval	<input type="text" value="3600"/> seconds
<input type="button" value="Save"/> <input type="button" value="Cancel"/>	

You can select one of following versions:

**WPA-Personal:** Pre-shared key of WPA.

**WPA2-Personal:** Pre-shared key of WPA2.

**WPA- Personal/ WPA2-Personal:** Select WPA-Personal or WPA2-Personal automatically based on the wireless station's capability and request.

**Encryption:** You can select TKIP, AES or TKIP+AES.

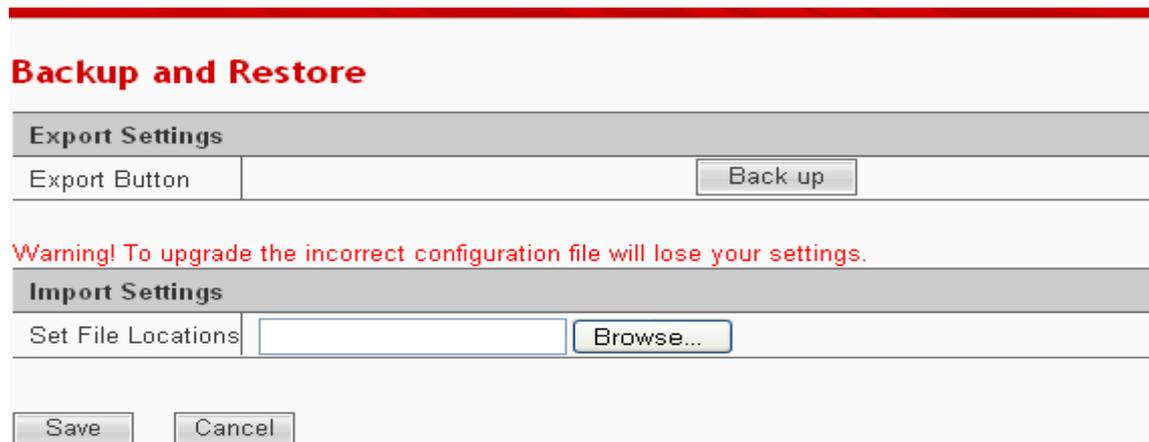
**Password:** The password should be between 8 and 63 characters.

## System Tools

There are three submenus under the **System Tools: Backup and Restore, Password** and **Firmware Upgrade**. Click any of them, and you will be able to configure the corresponding function.



## Backup and Restore

A screenshot of a web interface titled "Backup and Restore". The page has a red header bar. Below the header, there are two main sections: "Export Settings" and "Import Settings". The "Export Settings" section contains a label "Export Button" and a button labeled "Back up". The "Import Settings" section contains a label "Set File Locations", a text input field, and a button labeled "Browse...". At the bottom of the page, there are two buttons: "Save" and "Cancel". A red warning message is displayed between the two sections: "Warning! To upgrade the incorrect configuration file will lose your settings."

In the Export Settings column, click **Back up** button to save all configuration settings to your local computer as a file.

To restore the Router's configuration, follow these instructions:

- 1) Click **Browse** button to find the configuration file which you want to restore.
- 2) Click **Save** button to update the configuration with the file whose path is the one you have input or selected in the blank.

**Note:** Keep the power on during the process, in case of any damage.

## Password

### Password

Account Management	
Username	<input type="text" value="admin"/>
New Password	<input type="text"/>
Repeat New Password	<input type="text"/>

You can change the login password for this web management page, not your ISP password or the wireless password.

## Firmware Upgrade

### Firmware Upgrade

**Warning:** Upgrading firmware may take a few minutes, please don't turn off the router or press the reset button.

Firmware Upgrade	
Please select the upgrade file	<input type="text"/> <input type="button" value="Browse..."/> <input type="button" value="Upgrade"/>

You can upgrade the router to the latest version in this page, please download a most recent firmware upgrade file from our website. After downloading the file, you need to extract the zip file before upgrading the router. Browse for the upgrade file, then click **Upgrade** button.

**Caution!** Once you click **Upgrade** button, do not interrupt the process, loss of power during the upgrade could damage the Router.

### Note:

- Router might be changed to factory default settings after upgrade, please backup in advance.
- During the updating, please do not turn off the power.
- Please make sure the software version is matching with the existing hardware.

## Chapter 5: Software Configuration for Repeater Mode

### Login

After your successful login, you can configure and manage the device. There are main menus on the left of the web-based utility. Submenus will be available after you click one of the main menus. On the right, there are the corresponding explanations and instructions.



### Running Status

The **Running Status** page shows the current status of the Router on Repeater Mode. All information is read-only.

Running Status	
Router Information	
Hardware Version	1.0
Software Version	iPlay-R1B011D972
Running Time	15 mins, 44 secs
LAN	
IP Address	192.168.0.1
Subnet Mask	255.255.255.0
MAC Address	C0:5E:79:FB:7F:DD
Wireless	
Wireless Enabling Status	Enabled
Wireless Network Name (SSID)	AirMobi_3050D0
Client Network Name(SSID)	
Channel	1
Wireless Connection Type	11b/g/n
MAC Address	C0:5E:79:FB:7F:DD

## Setup Wizard

Please refer to Chapter 3.

## Network Settings

There is a submenu under the network menu: **LAN**. Click it, you will be able to configure the corresponding function.



## LAN

LAN	
MAC Address	C0:5E:79:FB:87:D6
IP Address	192 . 168 . 0 . 1
Subnet Mask	255.255.255.0 ▼

**MAC Address:** The physical address of the router.

**IP Address:** The LAN IP Address of the router.

**Subnet Mask:** The Subnet Mask associated with the LAN IP Address.

**Note:** If you changed the LAN IP Address of the router, please login this web management page by the new IP address.

## Wireless Settings

There is a submenus under the **Wireless Settings** menu: **Wireless Basic Settings**. Click it, you will be able to configure the corresponding function.



## Wireless Basic Settings

### Wireless Basic Settings

Wireless Network	
Wireless network name(SSID)	<input type="text" value="AirMobi_085050"/>
SSID Broadcast	<input checked="" type="radio"/> Enabled <input type="radio"/> Disabled
BSSID	00:0C:43:76:20:58
Channel Bandwidth	<input type="radio"/> 20MHz <input checked="" type="radio"/> 20/40MHz
Repeater Parameters	
Access wireless network name(SSID)	<input type="text"/> <input type="button" value="Search"/>
Security Mode	<input type="text" value="OPEN"/> ▼
Encryption Type	<input type="text" value="None"/> ▼

**Wireless network name (SSID):** The wireless network name of iPlay, you can change it to whatever you want.

**SSID Broadcast:** If you choose Enabled, iPlay will broadcast its name (SSID).

**BSSID:** Basic service set identification, the wireless MAC address of iPlay.

**Channel Bandwidth:** The bandwidth of the wireless channel, you can select 20MHz or 20/40MHz.

**Access wireless network name (SSID):** Enter a value of up to 32 characters. This is the wireless network name of your main router or AP.

Click on **Search** button, it will show the site list of scanning result, please find your main AP's SSID, and then click **Connect**.

**Security Mode/Encryption Type:** Choose the security mode and encryption type according to the wireless network you'd like to connect, and enter the password. Click **Save** to apply the settings.

## System Tools

There are three submenus under the **System Tools: Backup and Restore, Password and Firmware Upgrade**. Click any of them, and you will be able to configure the corresponding function.



## Backup and Restore

 A screenshot of the "Backup and Restore" configuration page. The page has a red header bar. Below it, the title "Backup and Restore" is displayed in red. The page is divided into two main sections: "Export Settings" and "Import Settings".
   
 In the "Export Settings" section, there is a label "Export Button" followed by a text input field and a "Back up" button.
   
 Below this, a red warning message reads: "Warning! To upgrade the incorrect configuration file will lose your settings."
   
 In the "Import Settings" section, there is a label "Set File Locations" followed by a text input field and a "Browse..." button.
   
 At the bottom of the form, there are "Save" and "Cancel" buttons.

In the Export Settings column, click **Back up** button to save all configuration settings to your local computer as a file.

To restore the Router's configuration, follow these instructions:

- 3) Click **Browse** button to find the configuration file which you want to restore.
- 4) Click **Save** button to update the configuration with the file whose path is the one you have input or selected in the blank.

**Note:** Keep the power on during the process, in case of any damage.

## Password

 A screenshot of the "Password" configuration page. The page has a red header bar. Below it, the title "Password" is displayed in red. The page is divided into two main sections: "Account Management" and "Password Management".
   
 In the "Account Management" section, there are three rows of input fields:
 

- Username: admin
- New Password: (empty)
- Repeat New Password: (empty)

 At the bottom of the form, there are "Save" and "Cancel" buttons.

You can change the login password for this web management page, not your ISP password or the wireless password.

## Firmware Upgrade

### Firmware Upgrade

**Warning:** Upgrading firmware may take a few minutes, please don't turn off the router or press the reset button.

Firmware Upgrade	
Please select the upgrade file	<input type="text"/> <input type="button" value="Browse..."/> <input type="button" value="Upgrade"/>

You can upgrade the router to the latest version in this page, please download a most recent firmware upgrade file from our website. After downloading the file, you need to extract the zip file before upgrading the router. Browse for the upgrade file, then click **Upgrade** button.

**Caution!** Once you click **Upgrade** button, do not interrupt the process, loss of power during the upgrade could damage the Router.

**Note:**

- Router might be changed to factory default settings after upgrade, please backup in advance.
- During the updating, please do not turn off the power.
- Please make sure the software version is matching with the existing hardware.

## Chapter 6: Software Configuration for Router Mode

### Login

After your successful login, you can configure and manage the device. There are main menus on the left of the web-based utility. Submenus will be available after you click one of the main menus. On the right, there are the corresponding explanations and instructions.



### Running Status

The **Running Status** page shows the current status of the Router on Router Mode. All information is read-only.

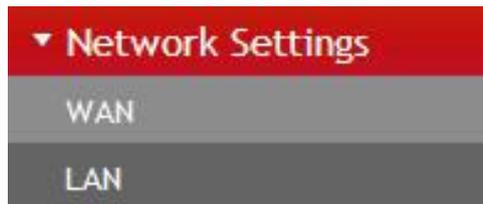
Running Status	
<b>Router Information</b>	
Hardware Version	1.0
Software Version	iPlay-R1B011D1056
Running Time	4 mins, 7 secs
<b>WAN</b>	
WAN Connection Type	STATIC
IP Address	172.16.160.21
Subnet Mask	255.255.255.0
Default Gateway	172.16.160.1
DNS Server	172.16.160.1
MAC Address	C0:5E:79:FB:7F:DD
<b>LAN</b>	
IP Address	192.168.0.1
Subnet Mask	255.255.255.0
MAC Address	C0:5E:79:FB:7F:DD
<b>Wireless</b>	
Wireless Enabling Status	Enabled
Wireless Network Name (SSID)	AirMobi_085050
Channel	1
Wireless Connection Type	11b/g/n
MAC Address	C0:5E:79:FB:7F:DD
<b>WAN Interface Traffic Statistics</b>	
Received/Transmitted Bytes	50230/9939
Packets	116

## Setup Wizard

Please refer to Chapter 3.

## Network Settings

The **Network Settings** section helps you to configure the Router to access the Internet. There are two submenus under the wireless menu: **WAN** and **LAN**. Click any of them, you will be able to configure the corresponding function.



### WAN

1. If your ISP is running a DHCP Server, please choose **Dynamic IP** as your connection type, the Router will automatically get IP parameters from your ISP.

WAN	
WAN Connection Type	Dynamic IP (DHCP) ▾
IP Address	
Subnet Mask	
Default Gateway	
MTU Size (byte)	1500 (Default: 1500. Do not modify it unless it is necessary.)
<input type="checkbox"/> Manually configure the DNS Server	
Primary DNS Server	<input type="text"/> - <input type="text"/> - <input type="text"/> - <input type="text"/>
Secondary DNS Server	<input type="text"/> - <input type="text"/> - <input type="text"/> - <input type="text"/> (Optional)
<input type="button" value="Save"/> <input type="button" value="Cancel"/>	

**WAN Connection Type:** To make sure the connection type your ISP provides, please refer to the ISP for more information.

**MTU Size (byte):** The default MTU (Maximum Transmission Unit) value is 1500 Bytes. Sometimes you need to modify the MTU required by your ISP.

**Manually configure the DNS server:** Check this option if your ISP gives you one or two DNS IP addresses. Otherwise, leave it unchecked, the DNS servers will be assigned from ISP dynamically.

**Primary DNS Server:** Enter the primary DNS server address provided by your ISP.

**Secondary DNS Server:** Enter the secondary DNS address provided by your ISP.

2. If your ISP provides a static or fixed IP Address, Subnet Mask, Default Gateway and DNS Server, please select **Static IP**.

WAN	
WAN Connection Type	Static IP <input type="button" value="v"/>
IP Address	<input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="0"/>
Subnet Mask	<input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="0"/>
Default Gateway	<input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="0"/>
MTU Size (byte)	<input type="text" value="1500"/> (Default: 1500. Do not modify it unless it is necessary.)
Primary DNS Server	<input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>
Secondary DNS Server	<input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> (Optional)
<input type="button" value="Save"/> <input type="button" value="Cancel"/>	

**IP Address:** the static IP address provided by your ISP.

**Subnet Mask:** the subnet mask provided by your ISP.

**Default Gateway:** the default gateway provided by your ISP.

**MTU Size (byte):** The default MTU (Maximum Transmission Unit) value is 1500 Bytes. Sometimes you need to modify the MTU required by your ISP.

**Primary DNS Server:** Enter the primary DNS server address provided by your ISP.

**Secondary DNS Server:** Enter the secondary DNS address provided by your ISP.

3. If your ISP provides a PPPoE connection, select **PPPoE** as your WAN Connection Type.

WAN	
WAN Connection Type	PPPoE
Username	<input type="text"/>
Password	<input type="password"/>
Service Name	<input type="text"/> (Optional)
<input checked="" type="radio"/> Obtain the DNS server automatically <input type="radio"/> Use the following DNS server	
Primary DNS Server	<input type="text"/> . <input type="text"/> . <input type="text"/> . <input type="text"/>
Secondary DNS Server	<input type="text"/> . <input type="text"/> . <input type="text"/> . <input type="text"/> (Optional)
MTU Size (byte)	1492 (Default: 1492. Do not modify it unless it is necessary.)
<input type="radio"/> Connect on Demand: Automatically connect when access traffic is detected	
Max Idle Time:	<input type="text" value="15"/> minutes
<input checked="" type="radio"/> Auto: Automatically establish the connection while the device is rebooting or the connection is disconnected.	
<input type="radio"/> Scheduled: Automatically connect in a specified period	
Note: When performing the timing connection function, click System Tools -> Time Settings to set the current time.	
Connection Period: From <input type="text" value="0"/> hour <input type="text" value="0"/> minute to <input type="text" value="23"/> hour <input type="text" value="59"/> minute	
<input type="button" value="Save"/> <input type="button" value="Cancel"/>	

**Username/Password:** Enter the username and password provided by your ISP. These fields are case-sensitive.

**MTU Size (byte):** The default MTU (Maximum Transmission Unit) value is 1480 Bytes. Sometimes you need to modify the MTU required by your ISP.

**Connect on Demand:** If you select this option, the internet connection can be terminated automatically after a specified inactivity period (Max Idle Time) and be re-established when you attempt to access the internet again. If you want your internet connection keeps active all the time, please enter "0" in the Max Idle Time field. Otherwise, enter the number of minutes you want to have elapsed before your internet access disconnects.

**Auto:** Automatically establish the connection while the device is rebooting or the connection is down.

**Scheduled:** The connection will only be established in a specified period.

## LAN

LAN	
MAC Address	C0:5E:79:FB:87:D6
IP Address	192 . 168 . 0 . 1
Subnet Mask	255.255.255.0
<input type="button" value="Save"/> <input type="button" value="Cancel"/>	

**MAC Address:** The physical address of the router.

**IP Address:** The LAN IP Address of the router.

**Subnet Mask:** The Subnet Mask associated with the LAN IP Address.

**Note:** If you changed the LAN IP Address of the router, please login this web management page by the new IP address.

## Wireless Settings

There are two submenus under the **Wireless Settings** menu: **Wireless Basic Settings** and **Wireless Security Settings**, Click any of them, you will be able to configure the corresponding function.



## Wireless Basic Settings

Wireless Basic Settings	
<b>Wireless Network</b>	
Wireless network name(SSID)	AirMobi_085050
Wireless Mode	11b/g/n mixed mode
Channel	6
SSID Broadcast	<input checked="" type="radio"/> Enabled <input type="radio"/> Disabled
BSSID	00:0C:43:76:20:58
Channel Bandwidth	<input type="radio"/> 20MHz <input checked="" type="radio"/> 20/40MHz
MCS	Auto
<input type="button" value="Save"/> <input type="button" value="Cancel"/>	

**Wireless network name (SSID):** The wireless network name of iPlay, you can change it to whatever you want.

**Wireless Mode:** If all of the wireless devices connected with this wireless router are in the same transmission mode (e.g. 802.11b), you can choose "Only" mode (e.g. 11b only). If you have some devices which use a different transmission **mode**, choose the appropriate "Mixed" mode.

Wireless Mode	11b/g/n mixed mode
Channel	11b/g mixed mode
SSID Broadcast	11g only
BSSID	11n only
Channel Bandwidth	11b/g/n mixed mode
	<input type="radio"/> 20MHz <input checked="" type="radio"/> 20/40MHz

**Channel:** The router can choose the best channel automatically in most cases. Please try to change the wireless channel if you notice interference problems with another nearby access point, or the wireless performance is not as good as you expected.

**SSID Broadcast:** If you choose Enabled, the wireless router will broadcast its name (SSID).

**BSSID:** Basic service set identification, the MAC address of the wireless router.

**Channel Bandwidth:** The bandwidth of the wireless channel, you can select 20MHz or 20/40MHz.

## Wireless Security Settings

### Wireless Security Settings

AirMobi\_085050

Security Mode	Disable
---------------	---------

You can configure the security of your wireless network(s) in this page. There are six wireless security modes supported by this router: Open, Shared, WEPAUTO, WPA-Personal, WPA2-Personal, and WPA- Personal / WPA2-Personal.

**Mode 1: Security Mode > Disable**

The screenshot shows the 'Wireless Security Settings' interface for the device 'AirMobi\_085050'. The 'Security Mode' dropdown menu is set to 'Disable'. Below the settings are 'Save' and 'Cancel' buttons.

If you do not want to use wireless security, highlight on this option. That means other people can connect to your wireless network without entering any password, so it may slow down your internet speed, it's recommended strongly to choose one of the following modes to enable security.

**Mode 2: Security Mode > Open/Shared/ WEPAUTO**

The screenshot shows the 'Wireless Security Settings' interface for the device 'AirMobi\_085050'. The 'Security Mode' dropdown menu is set to 'Open'. Below this, there is a 'WEP' section with a 'Default Key' dropdown set to 'Key 1'. There are four rows for 'WEP Key 1' through 'WEP Key 4', each with a text input field and a 'Hex' dropdown menu. Below the settings are 'Save' and 'Cancel' buttons.

**Open System:** Select 802.11 Open System authentications.

**Shared Key:** Select 802.11 Shared Key authentications.

**WEPAUTO:** Select Shared Key or Open System authentication type automatically based on the wireless station's capability and request.

You can select ASCII or Hex format. ASCII Format stands for any combination of keyboard characters in the specified length. Hex format stands for any combination of hexadecimal digits (0-9, a-f, A-F) in the specified length.

You can enter 10 hexadecimal digits (any combination of 0-9, a-f, A-F, and null key is not

permitted) or 5 ASCII characters. Or enter 26 hexadecimal digits (any combination of 0-9, a-f, A-F, and null key is not permitted) or 13 ASCII characters.

### Mode 3: Security Mode > WPA-Personal, WPA2-Personal, WPA- Personal/ WPA2-Personal

Wireless Security Settings	
AirMobi_085050	
Security Mode	WPA-Personal
<b>WPA-Personal</b>	
WPA Encryption	<input checked="" type="radio"/> TKIP <input type="radio"/> AES
Password	12345678
Key Renewal Interval	3600 seconds
<input type="button" value="Save"/> <input type="button" value="Cancel"/>	

You can select one of following versions:

**WPA-Personal:** Pre-shared key of WPA.

**WPA2-Personal:** Pre-shared key of WPA2.

**WPA- Personal/ WPA2-Personal:** Select WPA-Personal or WPA2-Personal automatically based on the wireless station's capability and request.

**Encryption:** You can select TKIP, AES or TKIP+AES.

**Password:** The password should be between 8 and 63 characters.

## System Tools

There are three submenus under the **System Tools: Backup and Restore, Password and Firmware Upgrade**. Click any of them, and you will be able to configure the corresponding function.



## Backup and Restore

The screenshot shows a web interface titled "Backup and Restore". It is divided into two main sections: "Export Settings" and "Import Settings".

**Export Settings:** This section contains a label "Export Button" and a button labeled "Back up".

**Warning:** A red text warning states: "Warning! To upgrade the incorrect configuration file will lose your settings."

**Import Settings:** This section contains a label "Set File Locations", a text input field, and a button labeled "Browse...".

At the bottom of the interface, there are two buttons: "Save" and "Cancel".

In the Export Settings column, click **Back up** button to save all configuration settings to your local computer as a file.

To restore the Router's configuration, follow these instructions:

- 5) Click **Browse** button to find the configuration file which you want to restore.
- 6) Click **Save** button to update the configuration with the file whose path is the one you have input or selected in the blank.

**Note:** Keep the power on during the process, in case of any damage.

## Password

The screenshot shows a web interface titled "Password". It is divided into two main sections: "Account Management" and "Password Management".

**Account Management:** This section contains three rows of input fields:

- Username: admin
- New Password: (empty)
- Repeat New Password: (empty)

At the bottom of the interface, there are two buttons: "Save" and "Cancel".

You can change the login password for this web management page, not your ISP password or the wireless password.

## Firmware Upgrade

### Firmware Upgrade

**Warning:** Upgrading firmware may take a few minutes, please don't turn off the router or press the reset button.

#### Firmware Upgrade

Please select the upgrade file

You can upgrade the router to the latest version in this page, please download a most recent firmware upgrade file from our website. After downloading the file, you need to extract the zip file before upgrading the router. Browse for the upgrade file, then click **Upgrade** button.

**Caution!** Once you click **Upgrade** button, do not interrupt the process, loss of power during the upgrade could damage the Router.

**Note:**

- Router might be changed to factory default settings after upgrade, please backup in advance.
- During the updating, please do not turn off the power.
- Please make sure the software version is matching with the existing hardware.

## Chapter 7: Specification

Wireless	
Standards	IEEE 802.11b/g/n
Data Rate	11n: 150Mbps 11g: 54Mbps 11b: 11Mbps
Frequency Range	2.4-2.4835GHz
Wireless Transmit Power	<20dBm
Modulation Type	OFDM/CCK/16-QAM/64-QAM
Receive Sensitivity	150M: -68dBm@10% PER 108M: -68dBm@10% PER 54M: -68dBm@10% PER 11M: -85dBm@8% PER 6M: -88dBm@10% PER
Operation Mode	Router, AP, Repeater
Wireless Security	64/128-bit WEP, WPA/WPA2, WPA /WPA2-Personal (TKIP/AES)
System Requirements	Windows 7/Vista/XP/2000, Mac OS®, Linux or Android OS
Hardware	
Interfaces	1 x 10/100Mbps LAN/WAN Port 1 x USB 2.0 Port 1 x 3.5mm Audio Port
Button	Mode Selector Switch WPS Button Reset Button
Antenna	1 x 3dBi Build-in omni-directional Antenna
Power Supply	100-240V AC 50/60Hz
USB Power Output	5V,500mA
Dimensions( W x D x H )	70mm x 40mm x 63mm

Others	
Operating Temperature	0°C~40°C (32°F~104°F)
Storage Temperature	-40°C~70°C (-40°F~158°F)
Relative Humidity	10% ~ 90%, Non-condensing
Storage Humidity	5%~95%, Non-condensing
Certifications	CE, RoHS
Package Contents	1 x Wireless Music Router 1 x Flannelette Bag 1 x Quick Installation Guide 1 x Ethernet Cable

\* All references to speed and range are for comparison purposes only. Product specifications, size, and shape are subject to change without notice, and actual product appearance may differ from that depicted herein.

## Appendix A: Troubleshooting

### 1. How do I restore the Wireless Music Router to factory default settings?

When the Wireless Music Router is powered on, press and hold the reset button on the bottom panel for 5~10 seconds, release the reset button. And then the light turns red.

### 2. What can I do if I forget my password?

- Restore the Wireless Music Router to factory default settings. If you do not know how to do it, please refer to previous section 1.
- Use the default username and password: admin, admin.
- Reconfigure the Wireless Music Router since you have ever reset it, it is in Repeater mode by default.

### 3. The wireless stations cannot connect to the Wireless Music Router.

- Make sure the **SSID Broadcast** is enabled.
- Make sure that the wireless stations' SSID accord with the router's SSID.
- Make sure the wireless stations have the right password for encryption when the router is encrypted.
- If the wireless connection is ready, but you can't access the router, check the IP Address of your wireless stations.

### 4. I cannot login the Wireless Music Router's web management page.

- Check the computer's IP address, make sure the IP address is correct, for details please refer to the section of Configure the Computer's IP Address in this manual.
- Make sure you put 192.168.0.1 into the address bar, not the search bar.
- Check your web browser, make sure the Proxy server is unchecked. Take Internet Explorer as an example, go to **Tools>Internet Options>Connections>LAN Settings**, uncheck **Use a proxy server for your LAN**.
- If it tells you the username or password is error, and you cannot remember the new one, please reset router by pressing reset button for at least 6 seconds, and then try to login with default username and password (admin/admin).

## Appendix B: Certification

### CE Mark Warning



Marking with the above symbol indicates compliance with the Essential Requirements of the R&TTE Directive of the European Union (1999/5/EC).

This is a class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

### National Restrictions

This device is intended for home and office use in all EU countries (and other countries following the EU Directive 1999/5/EC) without any limitation except for the countries mentioned below:

Country	Restriction	Reason/remark
Bulgaria	None	General authorization required for outdoor use and public service
France	Outdoor use limited to 10 mW e.i.r.p. within the band 2454-2483.5 MHz	Military Radiolocation use. Refarming of the 2.4 GHz band has been ongoing in recent years to allow current relaxed regulation. Full implementation planned 2012
Italy	None	If used outside of own premises, general authorization is required
Luxembourg	None	General authorization required for network and service supply(not for spectrum)
Norway	Implemented	This subsection does not apply for the geographical area within a radius of 20 km from the centre of Ny-Ålesund
Russian Federation	None	Only for indoor applications

**Note:** Please don't use the product outdoors in France.

## Appendix C: Glossary

**802.11b:** The 802.11b standard specifies a wireless networking at 11 Mbps using direct-sequence spread-spectrum (DSSS) technology and operating in the unlicensed radio spectrum at 2.4GHz, and WEP encryption for security. 802.11b networks are also referred to as Wi-Fi networks.

**802.11g:** Specification for wireless networking at 54 Mbps using direct-sequence spread-spectrum (DSSS) technology, using OFDM modulation and operating in the unlicensed radio spectrum at 2.4GHz, and backward compatibility with IEEE 802.11b devices, and WEP encryption for security.

**802.11n:** 802.11n builds upon previous 802.11 standards by adding MIMO (multiple-input multiple-output). MIMO uses multiple transmitter and receiver antennas to allow for increased data throughput via spatial multiplexing and increased range by exploiting the spatial diversity, perhaps through coding schemes like Alamouti coding. The Enhanced Wireless Consortium (EWC) was formed to help accelerate the IEEE 802.11n development process and promote a technology specification for interoperability of next-generation wireless local area networking (WLAN) products.

**DHCP (Dynamic Host Configuration Protocol):** A protocol that automatically configure the TCP/IP parameters for the all the PC(s) that are connected to a DHCP server.

**DMZ (Demilitarized Zone):** A Demilitarized Zone allows one local host to be exposed to the Internet for a special-purpose service such as Internet gaming or videoconferencing.

**DNS (Domain Name System):** An Internet Service that translates the names of websites into IP addresses.

**Domain Name:** A descriptive name for an address or group of addresses on the Internet.

**DSL (Digital Subscriber Line):** A technology allowing data to be sent or received over existing traditional phone lines.

**ISP (Internet Service Provider):** A company that can provide access to the Internet.

**MTU (Maximum Transmission Unit):** The size in bytes of the largest packet that can be transmitted.

**NAT (Network Address Translation):** NAT technology translates IP addresses of a local area network to a different IP address for the Internet.

**PPPoE (Point to Point Protocol over Ethernet):** PPPoE is a protocol for connecting remote hosts to the Internet over an always-on connection by simulating a dial-up connection.

**SSID (Service Set Identification):** It is a thirty-two character (maximum) alphanumeric key

identifying a wireless local area network. For the wireless devices in a network to communicate with each other, all devices must be configured with the same SSID. This is typically the configuration parameter for a wireless PC card. It corresponds to the ESSID in the wireless Access Point and to the wireless network name.

**WEP (Wired Equivalent Privacy):** A data privacy mechanism based on a 64-bit or 128-bit or 152-bit shared key algorithm, as described in the IEEE 802.11 standard.

**Wi-Fi:** A trade name for the 802.11b wireless networking standard, given by the Wireless Ethernet Compatibility Alliance (WECA, see <http://www.wi-fi.net>), an industry standards group promoting interoperability among 802.11b devices.

**WLAN (Wireless Local Area Network):** A group of computers and associated devices communicate with each other wirelessly, which network serving users are limited in a local area.

**AirMobi**

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