MRT-3000

miiiCasa Home Cloud Center

User Manual

Contents

Getting Started

Congratulations on purchasing your miiiCasa MRT-3000 Home Cloud.　Read this user manual to get started.

MRT-3000 is your miiiCasa Home Cloud with built-in wireless 802.11n router. miiiCasa completely reinvents how you store, play and share your private multimedia content and offers a unique and fun experience that cannot by found anywhere else. To learn more about miiiCasa, please visit www.miiicasa.com

Furthermore, with MRT-3000 you can easily create a high-speed Wi-Fi network for your entire household; it also comes with Gigabit ports and shares your broadband Internet connection with computers and devices on your network.

MRT-3000 allows you to:

- Connect a USB storage and easily store, view, organize and share all your multimedia files with miiiCasa.　There's no setup or installation required, allowing you and your family full control of your content with absolutely no hassle.　It is simple, fun and secure.　For more information on miiiCasa, please visit http://www.miiicasa.com
- Create a password-protected wireless network, and then connect to the Internet and share the connection with other computers and Wi-Fi devices such as mobile phone and tablet.
- Create a guest network with or without password protection, to provide Internet-only access to computers or wireless devices.　Since it is a separate network, guest network cannot access miiiCasa by design.　This allows your friends or guests unhindered Internet access while protecting your family data at the same time.
- Create a wired Gigabit network by connecting your PCs or devices with Ethernet ports directly to MRT-3000.　This is ideal for applications that require steady and Gigabit speed connection such as gaming.
- Utilize its built-in UPnP AV Media Server to directly access and play all multimedia files in DLNA-compatible devices (such as Xbox 360 or Playstation 3) in the same network.

About the MRT-3000

The MRT-3000 has six ports located in the back:

- One 10/100/1000Base-T Gigabit Ethernet Wide Area Network (WAN) port for connecting a DSL or cable modem, or for connecting to an existing Ethernet network

- Four 10/100/1000Base-T Gabit Ethernet Local Area Network (LAN) ports for connecting Ethernet devices, such as computers or IP Cam, or for connecting to an existing Ethernet network.

- One USB 2.0 port for connecting USB Storage used by miiiCasa.

- One power port for connecting the AC adapter to a power source

The Power button is located in the front.

Underneath the MRT-3000 is a reset button, which is used to clear all current settings and restore your MRT-3000 to factory default.

Plugging In MRT-3000

Before you plug in your MRT-3000, first connect the appropriate cables to the ports you want to use:

● Connect the Ethernet cable that is connected to your DSL or cable modem (if you will connect to the Internet) to the Ethernet WAN port.

● To use miiiCasa, connect any USB storage to the USB port on the MRT-3000.

● Connect an Ethernet cable from any Ethernet device to the Ethernet LAN ports

After you have connected the cables for all the devices you plan to use, connect the AC adapter to the power port, and plug it into a power outlet.

NOTE: Use only the AC adapter that came with your MRT-3000.

Press the Power button in front of the MRT-3000 to turn it on.

The Power LED should start glowing solid green.

The MRT-3000 LED Status

The following table explains the MRT-3000 LED lights and what they indicate:

LIGHT	BEHAVIOR	DESCRIPTION
Internet	On	Connected to the Internet
	Off	No Internet connection
Wi-Fi	On	Wi-Fi on
	Off	Wi-Fi off
	Blinking	Wi-Fi activity
USB	On	USB detected
	Off	USB unplugged
	Blinking	USB activity
Power	On	Power on
	Off	Power off

Setting Up Your MRT-3000

This chapter provides information and instructions for setting up your MRT-3000.

Setup using Web Browser

1. Open any web browser on your PC or Mac.
2. Enter MRT-3000's default IP address "192.168.0.1"
3. Follow the Setup Wizard to complete your MRT-3000 setup.

NOTE: We recommend that you use IE 7.0 or above, FireFox 2.0 or above, Chrome or Safari.

Using Your MRT-3000

In this chapter you'll find explanations of the different ways you can use your MRT-3000.

Navigating the MRT-3000

After you have completed Setup wizard and logged in, MRT-3000's homepage looks like this:

 Internet

If you're connected to the Internet, the light on top will be green.   If you're not, it will be red.

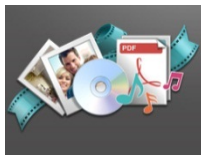Click on the Globe to view or change your Internet connection method.

 Router Information

Click on the MRT-3000 icon to check or change your firmware and admin password.

 Wireless

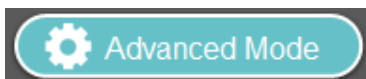Click to view or change your SSID and wireless key.

 Share

Change how you'd like to share your files with others. Included are "miiiCasa," "UPnP AV Media Server," "Samba Server," and "iTunes Server."

 Guest Zone

Click to view or create a separate wireless network for your guests.

Go here to access all the advanced features MRT-3000 offers.

Network Map

Click to find out what devices are connected to the MRT-3000.

Using MRT-3000's miiiCasa Home Cloud

miiiCasa Home Cloud allows you to store, share, and consume your multimedia content in ways you never imagined before.

1. Homepage > Share > miiiCasa
2. You can enable or disable miiiCasa from here.   miiiCasa is on by default, once you disable it, no one in the MRT-3000 network can use miiiCasa Home Cloud.
3. If you'd like to use miiiCasa, go to www.miiicasa.com to register an account or login using your facebook account.
4. Follow the steps online to complete your miiiCasa Home Cloud experience.

NOTE: In order to use miiiCasa, you must attach an USB flash drive or hard drive to the MRT-3000.

Using MRT-3000 to create a Guest Network

Guest Zone allows you to create a separate wireless network for friends who visit and want temporary Internet access.   It adds a layer of security by keeping your private wireless network safe from non-family members.

1. Homepage > Guest Zone
2. Check the "Enable Guest Zone" box and enter your preferred SSID and key.
3. Once complete, your guests can access the Internet through the newly created guest network.

NOTE: For security reasons, the Guest Network by design cannot access any content on the USB storage device attached to the MRT-3000.

Using MRT-3000's Samba Server

Samba allows you to access the files behind MRT-3000's USB storage as if it is directly connected to your PC.

1. Homepage > Share > Samba Server
2. Check the "Enable Samba Server" box
3. Click on Window's "Start button"
4. In the search bar, enter either \\mrt-3000 or your router's IP address, for example, \\192.168.0.1
5. When prompted, enter your MRT-3000's admin name and password.
6. Voila! The USB storage will now appear as a local file folder to you.

Using MRT-3000's UPnP AV Media Server

UPnP AV Media Server allows the USB storage connected to MRT-3000 to be accessed and played by other UPnP AV or DLNA-certified boxes (such as Playstation 3 or Xbox 360) in the same network.
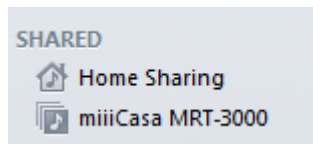
1. Homepage > Share > UPnP AV Media Server
2. Check the "Enable" box
3. Select a USB Storage (if there are multiple) that you want to access through other UPnP AV media boxes.
4. Once complete, you can directly play music or movies in MRT-3000's USB storage from your Playstation or Xbox.

Using MRT-3000's iTunes Server

MRT-3000's iTunes Server allow you to view multimedia files on the USB storage directly from your iTunes on PC or Mac.

1. Homepage > Share > iTunes Server
2. Check the "Enable" box
3. Select a USB Storage (if there are multiple) that you want to access through your iTunes on the PC or Mac.
4. Open iTunes on your PC or Mac and you should see "miiiCasa MRT-3000" in your

iTunes bar

SHARED
Home Sharing
miiiCasa MRT-3000

FAQ

Most of you problems can be solved in this chapter.

I Can't Connect to the Internet

- Try connecting to the Internet directly from your computer.   If you can't connect to the Internet from your computer, check your network settings.   If they appear to be correct and you still can't connect, contact your Internet Service Provider (ISP).
- Make sure you have entered all the ISP's information correctly, such as PPPoE account / password.
- Make sure you are connecting to the correct wireless network.

I Forgot My MRT-3000 Admin or Wireless Password

You can reset the MRT-3000 to factory default, there are two ways to do it:

1) MRT-3000 Homepage > Advanced Mode > System > Restore to Factory default
2) Press the Reset button under MRT-3000 for longer than 10 seconds to reset it to factory default.

NOTE: Restoring your MRT-3000 to factory default settings erases all of your settings and resets them to the settings that came with your MRT-3000.

Is there anything inferring with my MRT-3000's Wireless?

The farther away the inference source, the less likely it is to cause a problem.   The following items can cause interference with MRT-3000's wireless communication:
- Microwave ovens
- Direct Satellite Service (DSS) radio frequency leakage
- Certain electrical devices such as power lines, electrical railroad tracks, and power stations
- Cordless phones that operate in the 2.4 or 5 GHz range.   If you have problems with your phone or MRT-3000 Wireless communication, change the channel your MRT-3000 users, or change the channel your phone uses.

- Nearby wireless devices, access points, base stations or routers using adjacent channels.   For example, if device A is set to channel 1, device B should be set to channel 6 or 11 if operating under 2.4 GHz.

Can I connect any USB storage drive to the MRT-3000?   What File Formats Are Supported?

You can connect any USB storage, flash drive or hard disk drive of any size to the MRT-3000.   MRT-3000 supports FAT32 and NTFS file formats on the USB.

I've set up everything, but why can't I access my files at home with miiiCasa?

If you cannot remotely access files on your MRT-3000, you might need to check your network environment:

1. A network using the Virtual IP or Private IP
To be accessible remotely, the network your MRT-3000 is connected to must use a Public IP, please check with your network service provider or apply for one.

2. Double NAT
Make sure your MRT-3000 is NOT connected to or behind another router (Remote Access fails under double NAT).   You should connect your MRT-3000 directly to the modem provided by ISP.

3. Firewall protected
If your MRT-3000 is behind firewall, you need to contact your network agent to reset the port.
miiiCasa uses ports of TCP 80, UDP 14333.

Service and Support

You can find more information about using your MRT-3000 Home Cloud on the web and in GUI help.

Online Resources

To register or learn more about miiiCasa, go to www.miiicasa.com

For Additional Help or FAQ, go to http://help.miiicasa.com/

For the latest information about the MRT-3000, go to xxxxxxxxxx

GUI Help

To learn more about using MRT-3000 and its various functionalities, you can refer to the various help tooltips in the GUI.

Finding the Serial Number of your MRT-3000

The serial number is printed on the bottom label of your MRT-3000.

MRT-3000 Specifications

Wireless

- Frequency Band: 2.4 or 5 GHz
- Wi-Fi standards: 802.11a, 802.1b, 802.11g, or 802.11n
- Maximum Wi-Fi speed: 300Mbps

Interfaces

- 1 RJ-45 10/100/1000Base-T Gigabit Ethernet WAN port
- 4 RJ-45 10/100/1000Base-T Gigabit Ethernet LAN ports
- 1 Universal Serial Bus (USB) 2.0 port
- 802.11a, 802.11b, 802.11g, 802.11n wireless

Environmental

- Operating Temperature: 0° C to +40° C
- Storage Temperature: −20° C to +65° C
- Relative Humidity (Operational): 10% to 90% non-condensing
- Relative Humidity (Storage):   5% to 95% non-condensing

Size and Weight

- Height (without base): 182 mm / 7.17 inches
- Height (with base):   217 mm / 8.54 inches
- Width: 125 mm / 4.92 inches
- Thickness: 40 mm / 1.57 inches
- Weight (without base): 335 grams / 0.74 pounds
- Weight (with base):   535 grams / 1.16 pounds

Safety Guidelines

Using Your MRT-3000 Safely

- The only way to shut off power completely to your MRT-3000 is to disconnect it from the power source.
- Your MRT-3000 case should not be opened for any reason, even when it is unplugged.
- Never force a connector into the ports.   If the connector and port do not join with reasonable ease, they probably don't match.   Make sure that the connector matches the port and that you have positioned the connection correctly in relation to the port.

About Operating and Storage Temperatures

Please keep MRT-3000 in a well-ventilated area, especially while it is operating.

Avoid Wet Locations

- To reduce the chance of shock or injury, do not use your MRT-3000 in or near water or wet locations
- Keep your MRT-3000 away from sources of liquids, such as drinks, washbasins, bathtubs, shower stalls, and so on.
- Protect MRT-3000 from direct sunlight and rain or other moisture.
- Take care not to spill any food or liquid on your MRT-3000.   If you do, unplug the MRT-3000 before cleaning up the spill.
- Do not use your MRT-3000 outdoors.   MRT-3000 is an indoor product.

Do Not Make Repairs Yourself

- Do not attempt to open your MRT-3000 or disassemble it.   You run the risk of electric shock and voiding the limited warranty.   No user-serviceable parts are inside.

About Handling

Your MRT-3000 may be damaged by improper storage or handling. Be careful not to drop your MRT-3000 when transporting the device.

Regulatory Compliance Information

Federal Communication Commission Interference Statement

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 interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that
to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Radiation Exposure Statement:
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

以下警語適用台灣地區

經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。

低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。前項合法通信，指依電信法規定作業之無線電通信。低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

www.miiicasa.com