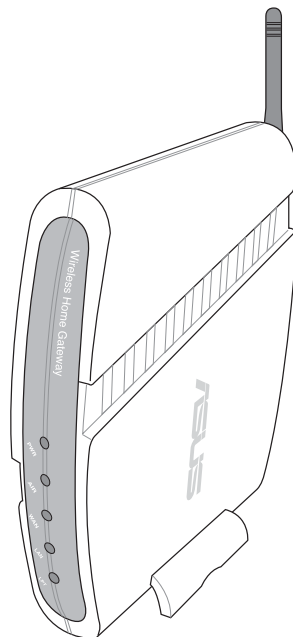
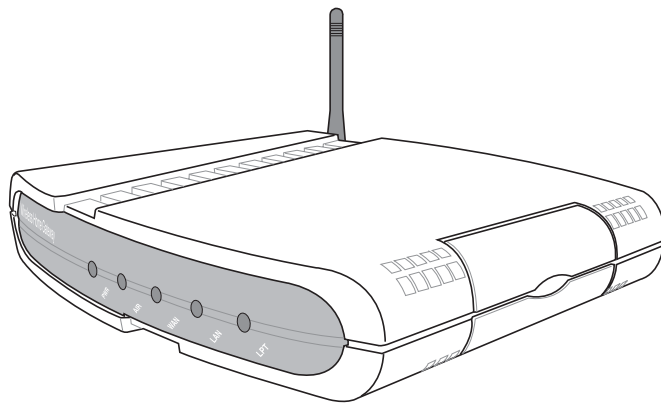




SpaceLink Home Gateway

WL-500

Quick Start Guide



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1. System Requirements

To begin using the SpaceLink Home Gateway , you must have the following minimum requirements:

- ADSL/Cable Modem and Broadband Internet Account
- An Ethernet (10Base-T or 10/100Base-TX) adapter for wired client
- At least one 802.11b wireless adapter for a wireless mobile client
- TCP/IP and Internet browser installed
- Printer, which supports standard parallel protocol (SPP) (optional)

The SpaceLink Home Gateway only supports 10Base-T on the WAN port but supports both 10Base-T or 100Base-TX on the LAN port.

2. LED Indicators

The LEDs on the front of the SpaceLink Home Gateway display the status of the SpaceLink Home Gateway .

PWR (Power)

- | | |
|----------|---|
| Off | (1) No power, (2) During boot sequence |
| On | (1) Power ON and system ready |
| Flashing | (1) During boot sequence, (2) Self-test error |

AIR (Wireless)

- | | |
|----------|---|
| Off | (1) No power, (2) No wireless connection |
| On | (1) At least one wireless client is associated |
| Flashing | (1) Wireless traffic through this port is detected, (2) Self-test error |

WAN (Wide Area Network)

- | | |
|----------|--|
| Off | (1) No power, (2) No wired connection |
| On | (1) Link to another network device but no traffic |
| Flashing | (1) Wired traffic through this port is detected, (2) Self-test error |

LAN (Local Area Network)

- | | |
|----------|--|
| Off | (1) No power, (2) No wired connection |
| On | (1) Link to another network device but no traffic |
| Flashing | (1) Wired traffic through this port is detected, (2) Self-test error |

LPT (Printer)

- | | |
|----------|---|
| Off | (1) No power, (2) No printer is connected |
| On | (1) The connected printer is switched on |
| Flashing | (1) Send data to a printer |

3. Installation Procedure

Follow these steps to install the SpaceLink Home Gateway .

1. Determine the best location for the SpaceLink Home Gateway . Keep in mind the following considerations:
 - The length of the Ethernet cable that connects the Home Gateway to the network must not exceed 100 meters.
 - For standard placement, try to place the Home Gateway on a flat, sturdy surface as far from the ground as possible, such as on top of a desk or bookcase, keeping clear of metal obstructions and away from direct sunlight.
 - Try to centrally locate the Home Gateway or its antennas so that it will provide coverage to all of the wireless mobile devices in the area. Orientating the antenna vertically should provide the best reception.
 - Use only the power supply that came with this unit. Other power supplies may fit but the voltage and power may not be compatible.

It is the responsibility of the installer and users of the SpaceLink Home Gateway to guarantee that the antenna is operated at least 20 centimeters from any person. This is necessary to insure that the product is operated in accordance with the RF Guidelines for Human Exposure which have been adopted by the Federal Communications Commission.

2. Place the SpaceLink Home Gateway in the desired location. Wall mounting or vertical standing is also possible for the SpaceLink Home Gateway .
3. Attach one end of an RJ-45 Ethernet cable to the SpaceLink Home Gateway WAN port and attach the other end to your ADSL or Cable modem.

The SpaceLink Home Gateway does not support 100Base-TX; it only supports 10Base-T. Hubs or switches that supports both 10Base-T and 100Base-TX may be used.

4. Attach one end of the AC power adapter, included in the product package, to the back of the SpaceLink Home Gateway and the other end to a power outlet.

4. Connecting to the SpaceLink Home Gateway

Wired Connection

One RJ-45 cable is supplied with the SpaceLink Home Gateway. Auto crossover function is designed into the SpaceLink Home Gateway so you can use either a straight-through or a crossover Ethernet cable. Plug one end of the cable into the WAN port on the rear of the SpaceLink Home Gateway and the other end into the Ethernet port of your ADSL or Cable modem.

Note: The WAN port only supports 10Base-TX.

Wireless-Connection

Refer to your wireless adapter user's manual on associating with the SpaceLink Home Gateway . The default SSID of the SpaceLink Home Gateway is "default" (lower case), encryption is disabled and open system authentication is used.

SPP Printer Connection

A DB25 parallel cable should be supplied with your printer. Plug the male connector of this parallel cable into the printer port on the rear of the SpaceLink Home Gateway and the centronics end into your printer.

5. Configuring the SpaceLink Home Gateway

The home gateway can be configured to meet various usage scenarios. Some of the factory default settings may suit your usage; however, others may need changing. Prior to using the home gateway, you must check the basic settings to guarantee it will work in your environment.

Configuring the SpaceLink Home Gateway is done through a web browser. You need a Notebook PC or desktop PC connected to the SpaceLink Home Gateway and running a web browser as a configuration terminal. The connection can be wired or wireless. For the wireless connection, you need an IEEE 802.11b compatible device, e.g. ASUS SpaceLink PC Card, installed in your Notebook PC. You should also disable WEP and set the SSID to "default" for your wireless LAN device.

If you want to configure the SpaceLink Home Gateway or want to access the Internet through the SpaceLink Home Gateway, TCP/IP settings must be correct. Normally, the TCP/IP setting should be on the IP subnet of the SpaceLink Home Gateway. The SpaceLink Home Gateway incorporates a DHCP server so the easiest method is to set your PC to get its IP address automatically and reboot your computer. So the correct IP address, gateway, DNS (Domain Name System Server) can be obtained from the SpaceLink Home Gateway.

Note: Before rebooting your PC, the SpaceLink Home Gateway should be switched ON and in ready state.

Advanced IP Settings

If you want to set your IP address manually, the following default settings of the SpaceLink Home Gateway should be known:

- IP address 192.168.123.1
- Subnet Mask 255.255.255.0.

If you set your computer's IP manually, it needs to be on the same segment. For example:

- IP address 192.168.123.xxx (xxx can be any number between 2 and 254 that is not used by another device)
- Subnet Mask 255.255.255.0 (same as the SpaceLink Home Gateway)
- Gateway 192.168.123.1 (this is the SpaceLink Home Gateway IP address)
- DNS 192.168.123.1 (SpaceLink Home Gateway IP address or your own).

Using a proxy server for your LAN requires that you set an exception for the SpaceLink Home Gateway or else connection will fail.

6. Installing the SpaceLink Home Gateway Utilities

Insert the support CD provided with the SpaceLink Home Gateway and follow the installation wizard to install the SpaceLink Home Gateway Utilities in Microsoft Windows.

7. SpaceLink Home Gateway Discovery

Run the SpaceLink Home Gateway Discovery and click **Config** on the device or open your PC's web browser and enter the default IP address of the SpaceLink Home Gateway **<http://192.168.123.1>**.

8. SpaceLink Home Gateway Home Page

A window will ask for the User name and Password in order to log in. The factory default values are “**admin**” and “**admin**”. After logging in, you will see the SpaceLink Home Gateway home page.

IMPORTANT: After entering information on any page, you must click the “**Save**” button. If you click on any other link, you will go to the other page and loose your new settings.

9. Agent to ISP or Another Network

Select **Basic Setup WAN Configuration**. Depending on the service that you apply for, the ISP may provide you an IP address in which case select **Static IP** in the IP Addressing Method and fill in the blanks. If you are provided accounting information for PPPoE, select **PPPoE** and fill in the blanks. If your IP address is automatic and account information is not needed, select **Automatic IP**. Click **Save** and **Finish** when done.

10. Basic Firewall Setup

Select **Basic Setup Firewall**. Select the security level of the firewall function. The “Low” level should be good enough for most home users. The “Medium” and “High” level can provide more protection for your local network but they may also stop you from executing some Internet applications. These problems can be resolved through some complex configuration options in the “Advanced Firewall” function.

Click **Finish** and wait for the SpaceLink Home Gateway to reboot and the new settings will take effect.

Connect to the SpaceLink Home Gateway and select **Status** in the “Main Menu” to check the new settings.