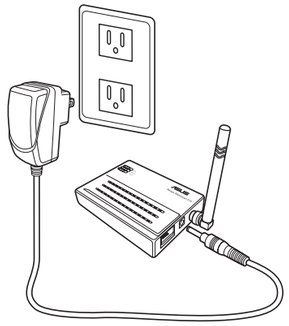
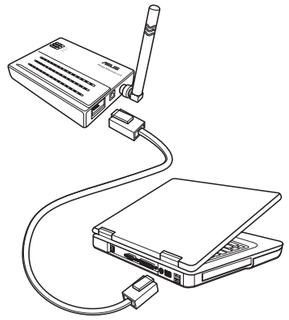
Range Maximizer - 515

Hardware Installation

1. Connect the antenna with the Range Maximizer 515.
2. Plug the power connector into the AC-in port on the unit, and plug the other end into a power outlet.
3. Connect the Range Maximizer 515 with your PC or notebook via a LAN cable.



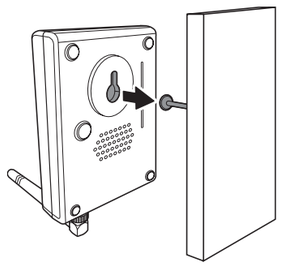
Power Connection

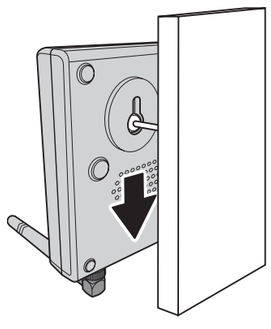


LAN Connection

Placement

Beside placing the UR flately on an object, you can also use the buckle on the back of the UR and a fixed nail to straight the UR up on the wall.



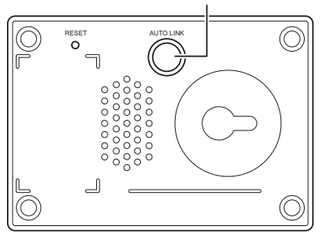


Auto-Link

After the hardware connection is ready, use the Auto-Link button on the bottom of the unit for quick wireless network setup.

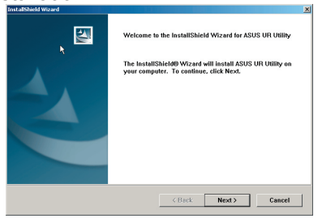
Press the Auto-Link button, the Range Maximizer 515 will automatically detect the wireless network and configure all settings. The whole process takes about 10 seconds.

Auto-Link Button



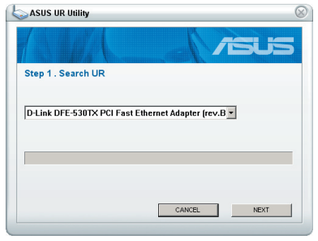
Configuration

1. Insert the Utility CD into the CD-ROM of your PC, which should run automatically. Follow the on-screen to complete the installation.

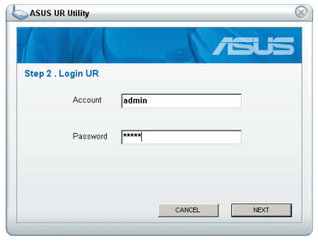


If not, click the **Start** button and choose **Run**. Type **E:\ setup.exe** into the entry field to run the utility CD. (“E:\” is the CD-ROM drive label.)

2. Activate the UR Utility from Start Menu, and then the PC will search for the Universal Repeater (UR) device. Click **NEXT** to continue the configuration.



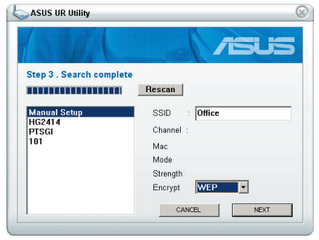
3. Enter your account name and password. Click **NEXT** to continue the installation.



4. The setup wizard will search for available wireless networks. When found, they will appear as a list. Click on the appropriate network, and then click **NEXT** and go to **STEP 8** to continue.

If no wireless network is found, either click **Rescan** to search for available wireless networks, or click **CANCEL** to exit setup wizard.

5. If you wish to create a new wireless network, click **Manual Setup** at the left column.
6. Enter a specific name (**SSID**) for this new wireless network.



7. Select a encryption type from the drag-down menu for your wireless network.

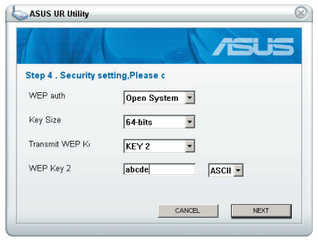
7-1. WEP Encryption Setup

a. **WEP auth**: This is to set the WEP authorization level. Select from **Open System**, **Shared Key**, or **Both**.

b. **Key size**: This is the level of WEP encryption. Select from h**64-bit** or **128-bit**.

c. **Transmit WEP Key**: There are 4 groups of the transmit WEP keys. Select from Key **1** to Key **4**.

d. **WEP Key #**: “#” represents the number of the Transmit WEP key. There are two types of WEP key, one is ASCII, and the other is HEX. The settings of each WEP key type are different.



i. ASCII:

For 64-bit encryption, use 5 letters (“A” through “Z”). For example, ‘abcde’, or ‘zyxwv’.

For 128-bit encryption, use 13 letters (“A” through “Z”). For example, ‘abcdefghijklm’, or ‘zyxwvutsrqpon’.

ii. HEX:

For 64-bit encryption, use 10 hexadecimal characters.

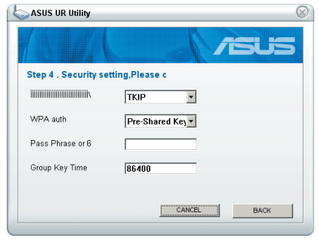
For 128-bit encryption, use 26 hexadecimal characters.

- Hexadecimal characters are the combination of letters “A” through “F”, and the numbers “0” through “9”.

Note: All devices in the wireless network must use the same WEP key.

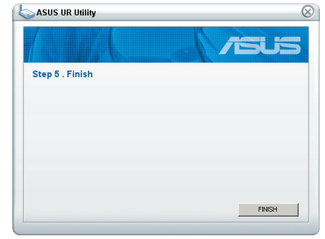
7-2. WPA Encryption Setup

In the WPA encription seup screen, enter the pass-phrase or pre-shared key in the **Passphrase** field. This key must be between 8~63 characters in length.



After configuration is finished, click **NEXT** to continue.

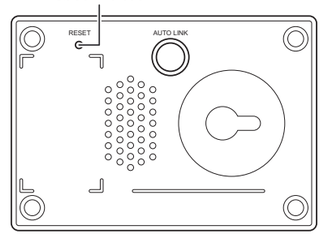
8. Wait for few seconds.
9. Setup is complete. Click **FINISH** to exit this setup wizard



Reset Default

Press the reset button on the bottom of the Range Maxmizer for 4 seconds to reset all settings to their factory default setting.

Reset Button



Sepcifications

Standard	IEEE 802.11g/IEEE802.11b
Port	Ethernet
Buttons	Auto link, Reset
LEDs	(1) Link: Ethernet (Orange) (2) Activity: Wireless (Blue) (3) Power: Power (Green)
Transmit Power	802.11g: Typ. 14±1 1dBm@Normal Temp Range 802.11b: Typ. 17±1 1dBm@Normal Temp Range
Security Features	WEP (64/128-bit keys,) WPA-PSK
Dimensions	86(L) x 61(W) x 19.2(T) mm
Power	Input: 100~240V AC 0.15A Output: 5V DC 1A
Operating Temp	0°C to 40°C (32°F to 104°F)
Storage Temp	-20°C to 70°C (-4°F to 158°F)
Operating Humidity	10% to 90% RH
Storage Humidity	5% to 95% RH
Wireless Channels	By country

Federal Communication Commission Interference Statement

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.

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.

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.

IMPORTANT NOTE:

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

IEEE 802.11b or 802.11g operation of this product in the U.S.A. is firmware-limited to channels 1 through 11.