

WL559E



## Aztech WL559E Wall-Plugged 300Mbps Wi-Fi Repeater

### About the product:

Aztech WL559E, Wall-plugged 300Mbps Wireless-N Repeater, is designed for wider wireless coverage through repeated wireless signals. Aztech WL559E works by picking up existing wireless signals from the router or access point and bouncing them off to other areas that may experience unstable or inconsistent wireless coverage.

### Key benefits:

- Repeat wireless signal to areas that are weak in wireless coverage
- Plug directly into wall outlet without external power adapter
- Unique Wireless Received Signal Strength Indicator (RSSI)



### Wi-Fi Repeater in Any Wall Outlet at Home, Office or Hotspot

Unlike other Wi-Fi repeaters that require an external power supply adapter, users simply have to plug WL559E directly to an available wall socket. The unique design makes the WL559E a convenient, portable Wi-Fi repeater for home and office users. Aztech WL559E is designed with MIMO technology for enhance data throughput and better coverage against blind spots.

### Let Wi-Fi Repeater WL559E Guide You on The Best Possible Wi-Fi Spot !

With Wireless Received Signal Strength Indicators (RSSI), users can plug WL559E in the best possible location by reading the LED indicators on the repeater. RSSI helps to intelligently determine the wireless signal strength received from the access point with LED indicators that show if the location has weak, recommended or excellent Wi-Fi coverage.

### Example:

If the area where WL559E is plugged into has weak Wi-Fi coverage, only one LED will be lighted as a guide. User should plug WL559E at another wall socket location.



### Product views:



Wi-Fi Protected Setup button for simple pairing

Top view



Reset  
Ethernet port

Bottom view

Maximum wireless signal rate derived from IEEE Standard 802.11g and draft 802.11n specifications. Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead, lower actual data throughput rate.

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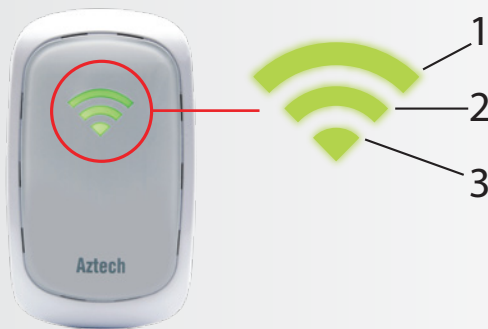
## Repeat Your Wireless Coverage



**ROOM 1**

**ROOM 2**

### LED COLOR Behaviour



1. GREEN \*LED should be ON if WL559E is connected to Router and RSSI value is equal to HIGH. \*LED should be OFF while WL559E is booting up. \*LED should be OFF while WL559E is doing WPS authentication.
2. GREEN \*LED should be ON if WL559E is connected to Router and RSSI value is greater than or equal to MID. \*LED should be OFF while WL559E is booting up. \*LED should be OFF while WL559E is doing WPS authentication
3. GREEN \*LED should be blinking if WL559E is NOT connected to any Router. \*LED should be ON if WL559E is connected to Router and RSSI value is greater than or equal to LOW. \*LED should be OFF while WL559E is booting up. \*LED should be OFF while WL559E is doing WPS authentication.
- AMBER \*LED should be ON during boot up. After fully bootup, LED will OFF. \*LED should be blinking for 2 mins once WPS button is pressed. \*LED should stop blinking and ON for 5 secs when WPS authentication is successful. Then LED should be OFF. \*LED should be OFF if WL559E is connected to Router.

### Specifications

Protocol/Standards	Wireless IEEE802.11b/g/n	Ethernet IEEE 802.3 10/100, IEEE802.3u, IEEE802.3ab		
Network Support	OFDM 1024/256/64/16/8 QAM, QPSK, BPSK and ROBO Modulation Scheme Wireless			
	IEEE802.11n: BPSK, QPSK, QAM-16, QAM-64	IEEE802.11g: BPSK, QPSK, QAM-16, QAM-64	IEEE802.11b: CCK, QPSK, BPSK	
Wireless Frequency Band	Europe (ETSI): 2.412GHz ~ 2.742GHz (CH1 ~ CH13)			
Security Support	Wireless: 64/128-bit WEP, WPA, WPA2			
Hardware	Key Chipset: Ralink RT3352 Network Processor + WLAN Controller	SPI FlashRom: 4M Byte (Default)	DDR2 DRAM: 64M Byte	
Platform Support	OS Independent with TCP/IP protocol installed			
Power Requirements	Supply voltage range: 100VAC – 240VAC (50/60 Hz)	Power Consumption : Less than 4W	Max Current : 0.12A	
External Connectors	1 x RJ45 for 10/100Base-T LAN	1 x Factory Default Reset Button	1 x WPS button	2 x Internal antennas
Dimension	105(L) x 58 (W) x 42 (H) mm			
Weight	160 g			
Temperature	Operating : 0 o to 40 o Celsius(32 o to 104 o Fahrenheit)	Non-Operating : -25 o to 70 o Celsius(-13 o to 158 o Fahrenheit)		
Humidity	Operating : 30% to 90% Relative Humidity (Non-Condensing)	Non-Operating : 30% to 95% Relative Humidity (Non-Condensing)		