

ZyXEL



Eliminate Dead Spots with ZyXEL WRE6505 v2 AC750 Range Extender



- **Compact design** — dimensions are smaller than a credit card
- **Extends your existing 802.11ac dual-band Wi-Fi network** for better speed and coverage
- **Easily extends a Wi-Fi network with the one-touch WPS button**
- **3 selectable extension modes for faster, wider wireless coverage**
- **Signal strength light indicator to help finding the best installation spots for extending your Wi-Fi network**

ZyXEL's WRE6505 v2 Wireless AC750 Range Extender is a compact, stylish product that extends your existing dual-band Wi-Fi network easily thanks to the one-touch Wi-Fi Protected Setup (WPS) button. With the extender's handy signal strength light indicator, you can effortlessly find the optimal location to install the extender. Equipped with the latest 802.11ac wireless technology, the ZyXEL WRE6505 v2 gives you faster wireless connection for your latest mobile devices.

Benefits

Compact, stylish and non-intrusive design

The ZyXEL WRE6505 v2 Wireless AC750 Range Extender blends into your home environment easily. With dimensions smaller than a credit card, you can plug the device anywhere that fits. Are its lights distracting? Not a problem, ZyXEL's WRE6505 v2 gives you that option by simply pressing the WPS button three times!



WRE6505 v2
Wireless AC750
Range Extender



Easy Wireless
Extension



Dual-Band



Simple & Quick
Setup



Ultra Compact
Design

Easily extends fast 802.11ac Wi-Fi networks to dead spots

Eliminate spots with poor wireless signals in those rooms with the ZyXEL WRE6505 v2. Just plug the extender into a wall outlet, press the WPS button on the extender once, and then press the WPS button on your wireless router or gateway, the ZyXEL WRE6505 v2 extender will copy your existing Wi-Fi network and extend those wireless signals to those dead spots for all your wireless mobile devices to connect to.



Three selectable extending modes for faster, wider wireless coverage

Extend your Wi-Fi networks with ZyXEL's WRE6505 v2 the way you like. You can choose the Normal Mode to extend on both 2.4 GHz and 5 GHz bands, Range Mode that extends only the 2.4 GHz band for better wireless coverage, or Speed Mode to extend only the 5 GHz band for better wireless performance.



Normal Mode

For best of both range and speed mode for normal needs.



Range Boost

It provides the maximum wireless coverage from upper router.



Speed Boost

It provides the maximum wireless performance from upper router.



NBG6515



WRE6505 v2



Reliable & Flexible



Longer Range



Faster Speed

Signal strength light for the best installation spots

ZyXEL WRE6505 v2's signal strength lights ensure you to get the best wireless coverage throughout your home. Get information on whether you've plugged the extender on the optimal spot to pinpoint the best signal strength on both bands.



Eco-friendly, smart design if you wish to turn off the Light

Lights becoming a distraction? Not a problem, the ZyXEL WRE6505 v2 gives you that option by simply pressing the WPS button three times to turn them off.



Specifications

System Specifications

Wireless Standard

- 802.11 a/b/g/n/ac

Wireless Speed

- Transmit: 300 Mbps* for 2.4 GHz and 433 Mbps* for 5 GHz
- Receive: 300 Mbps* for 2.4 GHz and 433 Mbps* for 5 GHz

WLAN Features

- Repeater mode
- AP mode
- Wi-Fi Protected Setup (WPS)
- Wi-Fi Multimedia (WMM)
- Auto channel selection
- Wireless scheduling
- Wireless output power management
- MAC address filtering
- Coverage setting mode

System Management

- Online firmware upgrade

Hardware Specifications

- LAN: One 10/100 Mbps Ethernet RJ-45 port
- LED indicators:
 - Power/WPS (Blue)
 - WLAN (2.4 GHz)(White, one LED-Weak, two LEDs-Good, three LED-Best)
 - WLAN (5 GHz)(White, one LED-Weak, two LEDs-Good, three LED-Best)
- Button: WPS button
- Power: Input: 100 V to 240 V AC, 50/60 Hz

Physical Specifications

- Item dimensions (WxDxH): 54.8 x 45.2 x 77.8 mm (2.16" x 1.78" x 3.06")
- Item weight: 88.6 g (0.20 lb.)
- Packing dimensions (WxDxH): 138 x 122 x 95 mm (5.43" x 4.80" x 3.74")
- Packing weight: 243 g (0.54 lb.)

Environmental Specifications

Operating Environment

- Temperature: 0°C to 40°C (32°F to 104°F)
- Humidity: 10% to 90% (Non-condensing)

Storage Environment

- Temperature: -30°C to 70°C (-22°F to 158°F)
- Humidity: 10% to 95% (Non-condensing)

Certification

- Safety: CE LVD
- EMC: CE, FCC

Packing Contents

- Wireless range extender
- Ethernet cable
- Quick start guide (including warranty form)

*The maximum wireless data transfer rates of up to 300 Mbps at 2.4 GHz and 433 Mbps at 5 GHz in simultaneous transmission are derived from the IEEE Standard 802.11 specifications. Actual data transfer rates may vary from network conditions including: distance, network traffic, building site material/construction, interference from other wireless devices and other adverse factors.

Front Panel



Application Diagram



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