

RG-EW300R

N300 Wi-Fi Extender



Highlights

- Plug and play, ease of use, strong signals
- Two built-in signal amplifiers boost 2-fold signal strength
- Three-bar signal indicator, guiding you to find the best spot
- Flexible placement, one-click connection
- More wireless mode options, meeting all your needs
- Control of your home network at your fingertips

/ Highlight Features

RG-EW300R

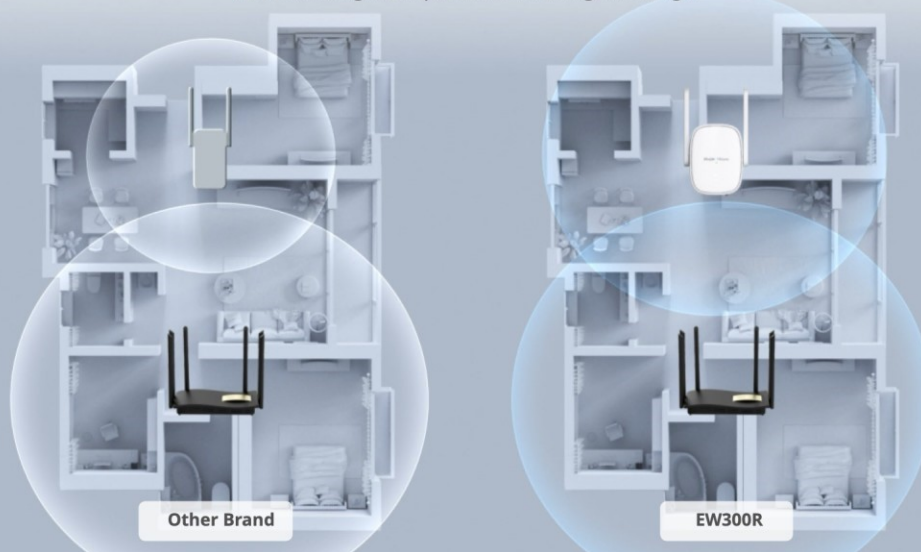
Plug and Play Easy and Strong

300Mbps Wi-Fi Repeater



More Powerful than You Expect

Two built-in signal amplifiers boost 2X signal strength



Other Brand

EW300R

Ruijie | Reyee

strong signal ———
modest signal ———
weak signal ———

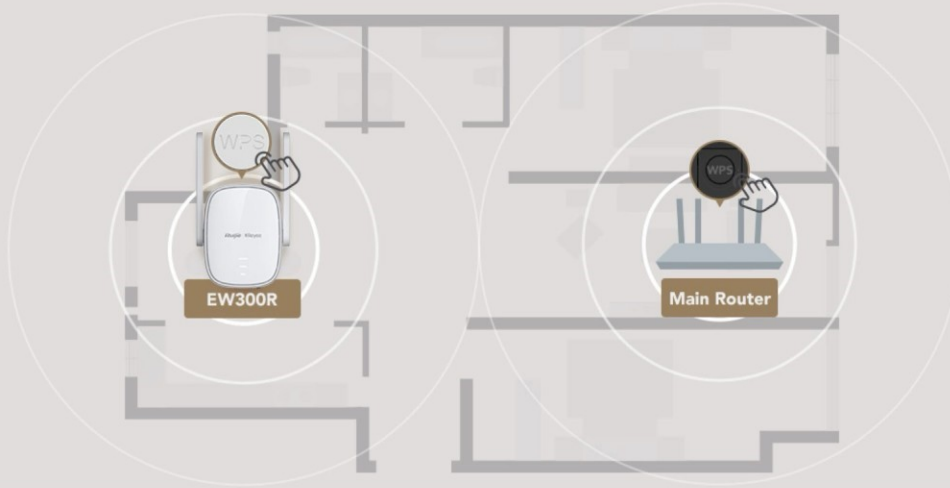
Three-bar Signal Indicator Guides You to Find the Best Spot

EW300R clearly shows you the signal strength and guides you the best spot to position the repeater, while others only give you the "Yes or No" answer.

Highlight Features

Flexible Placement, One-click Connection

Press the WPS button on existing router and on EW300R within 2 minutes to easily connect to the network



More Wireless Mode Options, Meet All Your Needs

AP Mode for Work
More stable and reliable

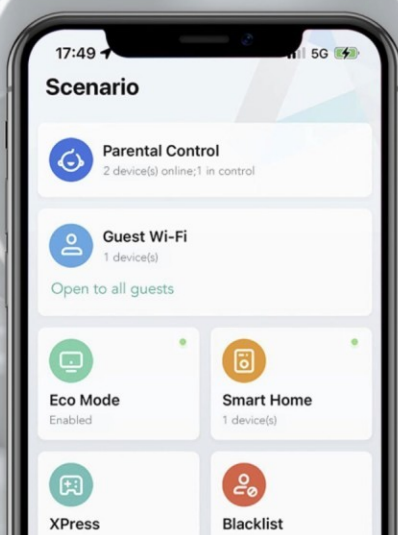
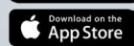
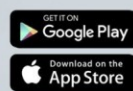
Repeater mode for entertainment
More flexible and chill



Take Control of Your Home network at Your Fingertips

Set up your home network in **Reyee Router App** in two minutes. More **Life-time Free** functions are waiting for you to Explore, Experience,

Remote Management Parental Control Guest Wi-Fi



Hardware Specifications

Model	RG-EW300R
Dimensions and Weight	
Product dimensions (W x D x H)	US: 92 mm × 70 mm × 38 mm (3.62 in. × 2.76 in. × 1.50 in.) EU: 92 mm × 70 mm × 56.3 mm (3.62 in. × 2.76 in. × 2.22 in.) UK: 92 mm × 70 mm × 41.8 mm (3.622 in. × 2.756 in. × 1.65 in.)
Weight	US: 0.13 kg (0.29 lbs) (without packaging materials) EU: 0.140 kg (0.31 lbs) (without packaging materials) UK: 0.138 kg (0.3 lbs) (without packaging materials) US: 0.275 kg (0.61 lbs) (with packaging materials) EU: 0.281 kg (0.62 lbs) (with packaging materials) UK: 0.278 kg (0.61 lbs) (with packaging materials)
Wi-Fi Radio	
Operating band	IEEE 802.11b/g/n, 2.400GHz~2.4835GHz;
FEM	EPA
Max. Wi-Fi Speed	2.4 GHz, 300 Mbps
Maximum transmit power	2.4 GHz: 802.11b: 1 Mbps 26 dBm 802.11n: MCS0 26 dBm; MCS7 22 dBm 802.11a/g: 6 Mbps 26 dBm; 54 Mbps 23 dBm Note: The transmit power varies according to regulations in different countries and regions.

Hardware Specifications

Model	RG-EW300R
Maximum transmit power(EIRP)	Frequency bands using and the max EIRP: Note: Country specific restrictions apply European Union & United Kingdom 2400-2483.5 MHz, EIRP ≤ 20 dBm Myanmar: 2400-2483.5 MHz, EIRP ≤ 23 dBm Thailand: 2400-2483.5 MHz, EIRP ≤ 20 dBm Indonesia: 2400-2483.5 MHz, EIRP ≤ 27 dBm Egypt: 2400-2483.5 MHz, EIRP ≤ 20 dBm Vietnam: 2400-2483.5 MHz, EIRP ≤ 23 dBm
MIMO	2.4 GHz, 2 x 2
Wi-Fi standard	Wi-Fi 4 (IEEE 802.11n)
Highest QAM order	64
2.4 GHz channel width	Auto/20/40 MHz
Power Supply and Consumption	
Power supply	DC 12 V 1 A
Environment and Reliability	

Hardware Specifications

Model	RG-EW300R
Operating humidity	5% RH to 95% RH (non-condensing)
Operating temperature	0 °C to +40 °C (32 °F to 104 °F)
Storage humidity	5% RH to 95% RH (non-condensing)
Storage temperature	-40 °C to +70 °C (-40 °F to 158 °F)
Port Specifications	
LEDs	1 x WPS/System LED
	3 x RSSI LEDs
Number of LAN/WAN ports	1 x 10/100BASE-T port
Certification and Regulatory Compliance	
Certification	CE
Antenna	
Antenna	2 x external omnidirectional antennas
Antenna gain (2.4 GHz)	3 dBi
Product Information	
Warranty	3 years
System Specifications	
RAM	64 MB

Software Specifications

Model	RG-EW300R
IP Service	
Port mapping	Yes
ARP binding	Yes
Number of ARP binding entries	64
DDNS	Yes
No-IP DNS	Yes
Ruijie DDNS	No
NAT-DMZ	Yes
Number of port mapping entries	50
UPnP	Yes
IPv6	No
Ethernet Switching	
WAN port aggregation	No
LAN port aggregation	No
Specifying the VLAN tag	No
Basic Configurations	
LED management	Yes
Internet access mode	PPPoE, DHCP, Static IP, WISP
Preconfiguration	Yes
Reset and keep configurations	No
Restoring factory defaults	Yes

Software Specifications

Model	RG-EW300R
Configuration backup	Yes
Local upgrade	Yes
Online upgrade	Yes
Scheduled upgrade	No
Disabling the physical Reset button	No
Connectivity detection configuration	Yes
AP mode	Yes
Behavior Management	
Parental control	Yes
Client access control (based on MAC addresses)	Yes
Client access control (based on time)	Yes
Maximum number of controlled clients	32
Maximum number of parental control policies	No
Selecting clients from the client list to block their access to the Internet	Yes
Specifying MAC addresses of controlled clients	Yes
Ethernet Interface	

Software Specifications

Model	RG-EW300R
MAC address cloning	Yes
VLAN-based IPTV	No
IPTV/VLAN	
Multiple IPTV ports	No
Network Management and Monitoring	
Line detection	Yes
Arabic	Yes
Chinese (Hong Kong Traditional)	Yes
Chinese (Simplified)	Yes
English	Yes
Indonesian	Yes
Italian	Yes
Russian	Yes
Spanish (Latin America)	Yes
Thai	Yes
Turkish	Yes
Vietnamese	Yes
Ruijie Cloud management	Yes
Scheduled device restart	Yes
eWeb login password length	8 to 63 characters
Wired repeater mode	Yes

Software Specifications

Model	RG-EW300R
Wireless repeater mode	Yes
WISP mode	Yes
User agreement signing	Yes
Flow Control	
Flow control based on number of users	Yes
Standalone/Shared mode	Yes
Interface flow control	Yes
Multicast	
IGMP proxy	No
IGMP snooping	No
Rate Limiting	
Client-based rate limiting	No
VPN	
Number of concurrent tunnels supported by the OpenVPN server	No
Certificate authentication	No
OpenVPN bandwidth	No
OpenVPN client	No
OpenVPN server	No
Server domain name configuration	No

Software Specifications

Model	RG-EW300R
Username and password authentication	No
Number of concurrent tunnels supported by the PPTP VPN server	No
PPTP VPN client	No
PPTP VPN server	No
WLAN	
1024-QAM	No
OFDMA	No
MLO	No
DFS	No
802.11k/v roaming	No
Wi-Fi blocklist capacity	30
SSID hiding	Yes
Beamforming	Yes
Wireless Configuration	
Guest Wi-Fi	Yes
System Performance Capacity	
Recommended number of concurrent clients	8 (2.4 GHz)
IPTV/IGMP client capacity	No

Software Specifications

Model	RG-EW300R
IPTV/IGMP multicast capacity	No
IPTV/IGMP wired forwarding performance	25 Mbps
Recommended camera limit	4 (2.4 GHz)
Security	
Encryption mode	WPA-PSK, WPA2-PSK, WPA/WPA2-PSK, WPA3-SAE, WPA2-PSK/WPA3-SAE
SIM Card Management	
Batch import of APN configurations	No
Number of APN configurations for batch import	No
Reyee Mesh 3.0	
Reyee Mesh 3.0	No
Automatic switching between wired and wireless repeater mode	No
Recommended hop count	2
Maximum number of clients	192
Maximum number of devices	32

Package Contents

Model	RG-EW300R
Device	
Device	1
Manual	
User Manual	1
Warranty Card	1

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 Redefine your easy network



Ruijie Networks Co., Ltd.

Official Website: <https://Reyee.Ruijie.com>