

# 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



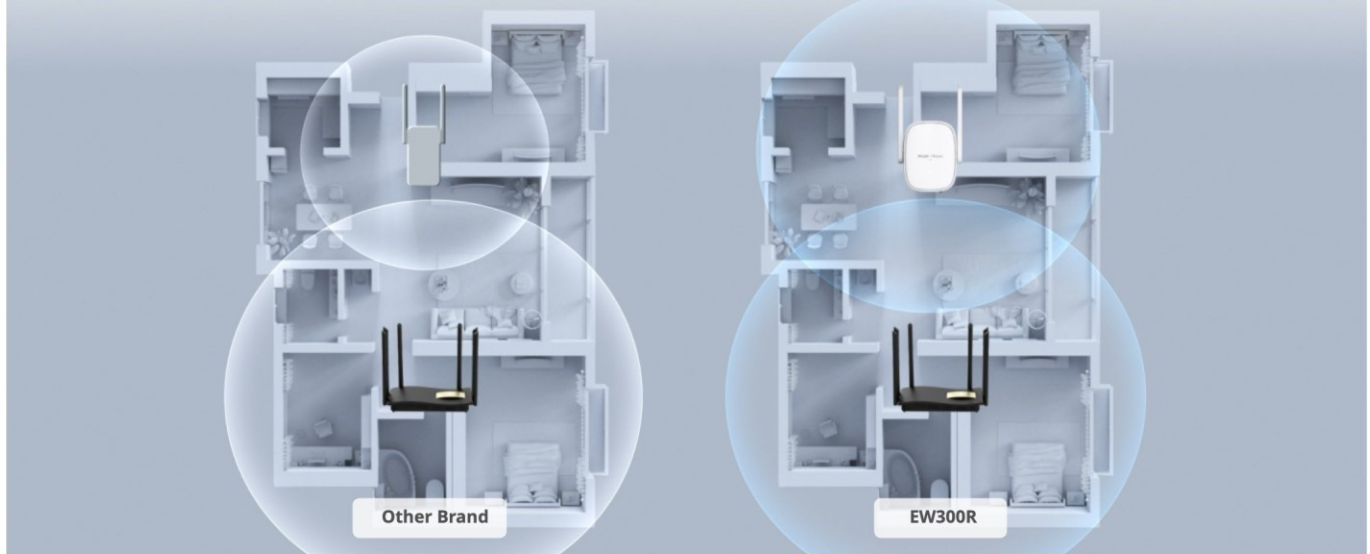
RG-EW300R

## Plug and Play Easy and Strong

300Mbps Wi-Fi Repeater

## More Powerful than You Expect

Two built-in signal amplifiers boost 2X signal strength



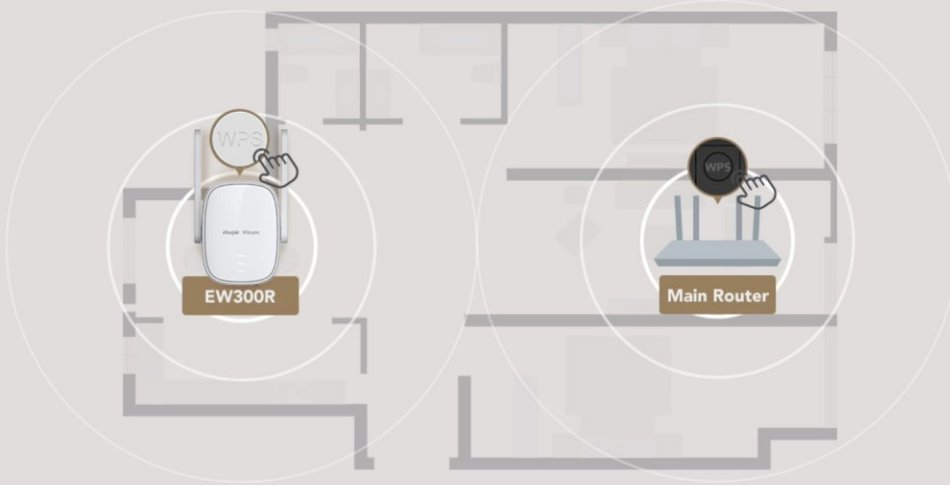
## Three-bar Signal Indicator Guides You to Find the Best Spot

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

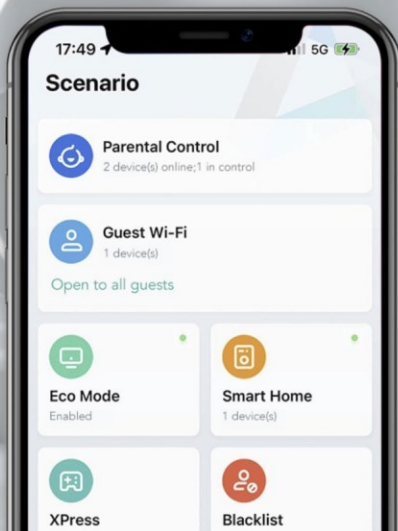
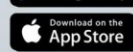
**AP Mode for Work** Repeater mode for entertainment  
More stable and reliable More flexible and chill



## 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
<b>Wi-Fi Radio</b>	
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.
MIMO	2.4 GHz, 2 x 2
Wi-Fi standard	Wi-Fi 4 (IEEE 802.11 n)
<b>Antenna</b>	
Antenna	2 x external antennas
Antenna gain (2.4 GHz)	3 dBi
<b>Certification and Regulatory Compliance</b>	
Certification	CE
<b>Dimensions and Weight</b>	
Product dimensions (W x D x H)	US: 92 mm × 70 mm × 38 mm (3.622 in. × 2.756 in. × 1.496 in.) EU: 92 mm × 70 mm × 56.3 mm (3.622 in. × 2.756 in. × 30.3543 in.) UK: 92 mm × 70 mm × 41.8 mm (3.622 in. × 2.756 in. × 30.3543 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)
<b>Environment and Reliability</b>	
Operating humidity	5% RH to 95% RH (non-condensing)

# Hardware Specifications

Model	RG-EW300R
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)
<b>Port Specifications</b>	
LEDs	1 x WPS/System LED 3 x RSSI LEDs
Number of LAN/WAN ports	1 x 10/100BASE-T port
<b>Power Supply and Consumption</b>	
Power supply	DC 12 V 1 A
<b>Product Information</b>	
Warranty	3 years
<b>System Specifications</b>	
RAM	64 MB

# Software Specifications

Model	RG-EW300R
<b>Basic Configurations</b>	
LED management	Yes
Internet access mode	PPPoE, DHCP, Static IP, WISP
Preconfiguration	Yes
Reset and keep configurations	No
Restoring factory defaults	Yes
Configuration backup	Yes
Local upgrade	Yes
Online upgrade	Yes
Scheduled upgrade	No
AP mode	Yes
<b>Ethernet Switching</b>	
WAN port aggregation	No
LAN port aggregation	No
Specifying the VLAN tag	No
<b>IP Service</b>	
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

# Software Specifications

Model	RG-EW300R
UPnP	Yes
<b>Behavior Management</b>	
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
<b>Ethernet Interface</b>	
MAC address cloning	Yes
VLAN-based IPTV	No
<b>Flow Control</b>	
Flow control based on number of users	Yes
Standalone/Shared mode	Yes
Interface flow control	Yes
<b>IPTV/VLAN</b>	
Multiple IPTV ports	No
<b>Multicast</b>	
IGMP proxy	No
IGMP snooping	No
<b>Network Management and Monitoring</b>	

# Software Specifications

Model	RG-EW300R
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
Wireless repeater mode	Yes
WISP mode	Yes
<b>Rate Limiting</b>	
Client-based rate limiting	No
<b>Reyee Mesh 3.0</b>	
Reyee Mesh 3.0	No
Automatic switching between wired and wireless repeater mode	No

# Software Specifications

Model	RG-EW300R
Recommended hop count	2
Maximum number of clients	192
Maximum number of devices	32
<b>Security</b>	
Encryption mode	Yes
<b>System Performance Capacity</b>	
Maximum number of concurrent clients	16 (2.4 GHz)
Recommended number of concurrent clients	8 (2.4 GHz)
IPTV/IGMP client capacity	No
IPTV/IGMP multicast capacity	No
IPTV/IGMP wired forwarding performance	25 Mbps
Recommended camera limit	4 (2.4 GHz)
<b>VPN</b>	
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
Username and password authentication	No
Number of concurrent tunnels supported by the PPTP VPN server	No
PPTP VPN client	No

# Software Specifications

Model	RG-EW300R
PPTP VPN server	No
Wireless Configuration	
Guest Wi-Fi	Yes
WLAN	
1024-QAM	No
MLO	No
DFS	No
802.11k/v roaming	No
Wi-Fi blocklist capacity	30
SSID hiding	Yes

## Package Contents

Model	RG-EW300R
<b>Device</b>	
Device	1
<b>Manual</b>	
User Manual	1
Warranty Card	1

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