

Vilo Mesh Wi-Fi System Fact Sheet



vilo
for ISPs

The Vilo Mesh Wi-Fi System is an easy-to-use, secure, and affordable Wi-Fi solution for everyday home use. A whole-home network can be set up in a matter of minutes and is easily controlled from a smartphone via the Vilo app. A 3-pack Vilo system provides up to 4,500 square feet of coverage and can connect up to 120 devices. The Vilo ISP Management Platform allows service providers to provision, monitor, and manage their subscribers' Wi-Fi experience from anywhere.



Key Vilo Features

Scalable Coverage

- A 3-pack covers 4,500 sq ft and additional units can be added to increase coverage. Eight routers can be installed on one network.
- Can connect up to 120 devices with a 3-pack

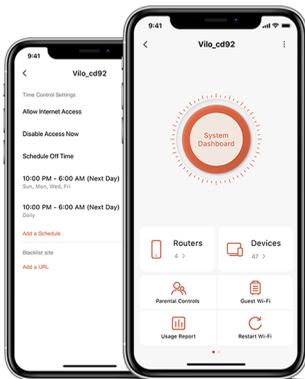


Fast Speed

- Fast & reliable Wi-Fi with speeds of up to 1.2 Gbps
- Dual band optimizes Wi-Fi performance with band steering and separation

Easy Set-Up

- Set up is straight forward using the Vilo app and can be completed under five minutes.



App Control

- Network settings & features, such as Guest Wi-Fi, can be easily managed via the Vilo app.
- With a quick swipe, users can block unrecognized devices from connecting to the network.

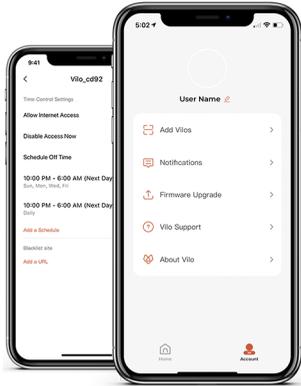
Parental Controls

- Users can set time limits for online activities and blacklist websites with inappropriate content.

1-Pack	3-Pack
	
<p>1 Vilo Mesh Wi-Fi Router 1 Power Adapter 1 Quick Start Guide</p>	<p>3 Vilo Mesh Wi-Fi Routers 3 Power Adapters 1 Ethernet Cable 1 Quick Start Guide</p>



ISP Management Platform Features



Improve Your Subscriber Experience

- From the web user interface, you can easily check SSID, password, network status, connected device and much more.
- You can remotely push and schedule firmware upgrade, restarts, and resets.
- We use proprietary algorithms to detect interference and allow you to select channels to optimize.

Better Network Insights

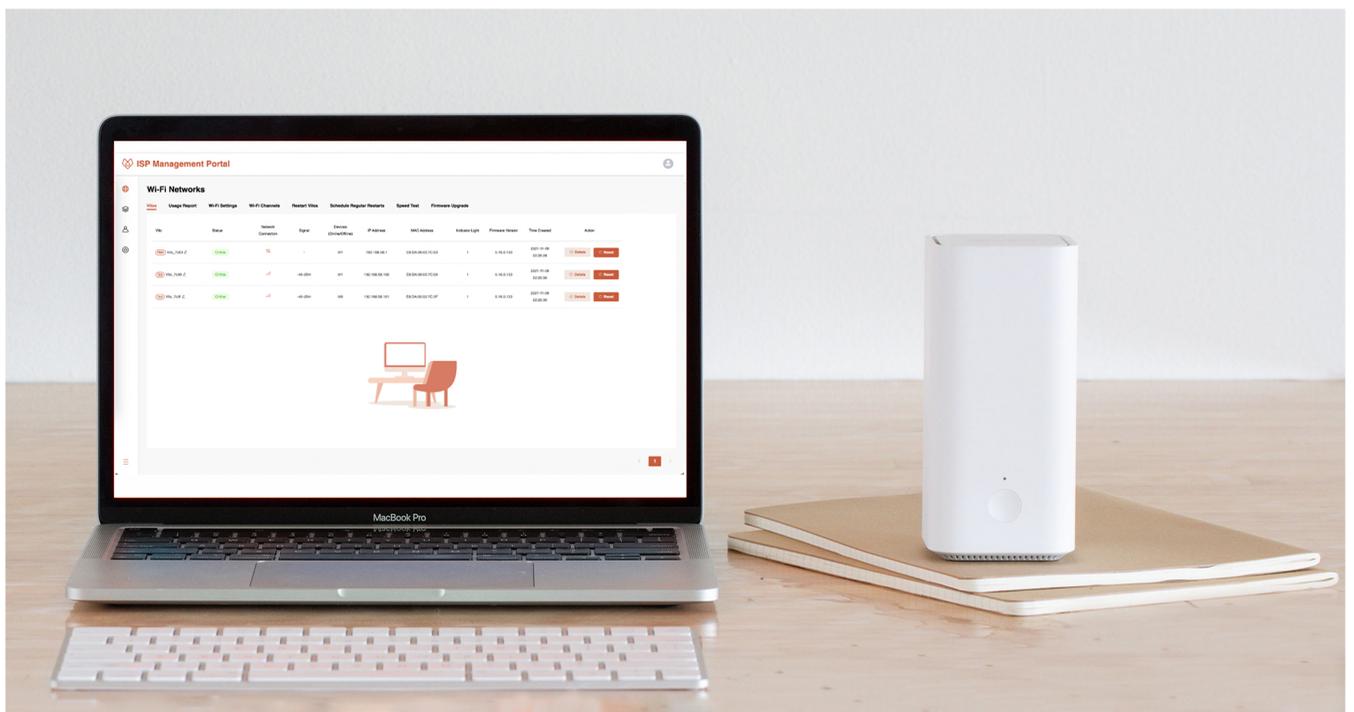
- Remotely manage your subscribers' networks and settings
- Run speed tests, view historical trends, and check usage reporting
- Access easily via API (coming soon)

Easy to Use

- Our web user interface is intuitive & easy to navigate – no onboarding or training required
- You can quickly & securely provision routers via the Vilo app

We're Here to Help

- We offer support through email, chat, and phone
- You can join our ISP-specific Facebook group & email newsletter to receive the latest updates





Tech Specs

WiFi

Standard	IEEE 802.11a/b/g/n/ac
Frequency	<p>Simultaneous dual band (2.4 GHz/5 GHz)</p> <p>2.4 GHz features</p> <ul style="list-style-type: none"> - Frequency bands: 2412Mhz-2462Mhz - 20, 40 MHz bandwidths <p>5 GHz features</p> <ul style="list-style-type: none"> - Frequency bands: 5180Mhz-5240Mhz; 5745MHz-5805Mhz - 20, 40, 80 Mhz bandwidths
MIMO	2x2 MU-MIMO
Security	<p>WPA2/WPA encryption</p> <p>Automatic security updates</p>
Other WiFi Features	<p>Automatic 802.11k/v client roaming</p> <p>Transmit beamforming</p>
Band Steering	Yes
Ethernet	(3) Gigabit Ethernet Ports
Speed	AC1200 (300 Mbps on 2.4 GHz; 867 Mbps on 5 GHz)
Coverage	Up to 1500 sq ft per unit (or up to 4,500 sq ft with a 3-pack)
Modulation	<p>11b: DSSS:DBPSK(1Mbps), D-QPSK(2Mbps), CCK(5.5/11Mbps)</p> <p>11a/g: OFDM:BPSK(6/9Mbps), QPSK(12/18Mbps), 16QAM(24/36Mbps), 64QAM (48/54Mbps)</p> <p>11n: MIMO-OFDM:B-PSK, QPSK,16QAM,64QAM</p>

Performance & Capacity

Peak Phy Rates	<p>2.4 GHz: 300 Mbps</p> <p>5 GHz: 867 Mbps</p>
Memory	<p>128 MB RAM</p> <p>16MB NOR flash</p>
Processor	999Mhz MIPS
Maximum TX Power	21dBm
Antenna Gain	<p>2.4GHz: 6dBi</p> <p>5GHz: 5dBi</p>

Tech Specs



Management Tool

ISP Interface	ISP Web Management Platform
End User Interface	iOS/Android app (iOS 9.0+, Android 8.0+)

Physical Characteristics

Dimensions	70 mm x 70 mm x 150 mm (2.7 x 2.7 x 5.9 in)
Weight	319 g (0.7 lb)
Color	White
Finish	Matte
Operating Temperature	0°C to 40°C (32°F to 104°F)
Operating Humidity	5 to 95% noncondensing

Power Requirement

Electrical Requirement	100-240V AC
Power Method	12W, 1A power adapter
Certifications	FCC, IC
Supported Power Voltage	11.5V-12.5V





Press

“ This mesh Wi-Fi brings internet connectivity to every corner of your home at a startlingly low price ”

WIRED

“ This is the cheapest way to get good mesh Wi-Fi in your home ”

GIZMODO

“ The Best Mesh Wi-Fi Networking Kits ”

Wirecutter

“ This \$60 mesh router is Vilo’s fix for home WiFi’s biggest headache ”

SLASHGEAR

“ The best mesh Wi-Fi routers of 2021 ”

CNN

“ This \$60 system from Vilo delivers a strong, consistent signal for cheap ”

KTLS
LA'S VERY OWN