

Airvine WaveCore™ 1000RH Quick Setup Guide



Fig. 1 WaveCore Device



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Before You Begin

Before deploying Airvine products, please check for the latest WaveCore user documentation (software/hardware) which is located at: <https://airvine.com/support/downloads/product/wavecore>

Documentation and Firmware

It is recommended to download and install the latest WaveCore VineOS software prior to installation. The software is located at: <https://airvine.com/support/downloads/>

Package Contents

A complete WaveCore bridge pair package includes:

- 2x WaveCore Bridges
- 2 x Short Mounting Brackets
- QR Code Pamphlet

WaveCore 1000RH nodes ship as a pre-configured bridge pair that will link immediately once booted without any additional user configuration.

Wired Ethernet Management Parameters:

The following are the factory-default parameters to manage the WaveCore using the HTTP Web GUI or the CLI/SSH **over a wired Ethernet connection** to the WaveCore:

WaveCore Wired Ethernet default IP address:	192.168.0.250
WaveCore Management default user login and password:	admin/admin

Wi-Fi Management Parameters:

The following are the factory-default parameters to manage the WaveCore using the AirvineMobile App, HTTP Web GUI, or CLI SSH **over a Wi-Fi connection** to the WaveCore:

WaveCore Management Wi-Fi SSID:	avb_[MAC Address]
WaveCore Management Wi-Fi WPA2 passcode:	airvine!
WaveCore Management Wi-Fi IP address:	192.168.3.1
WaveCore Management default user login and password:	admin/admin

Fig. 2 WaveCore Default Network Configuration

At factory defaults, WaveCore bridges will obtain and assign a wired management IP address from a DHCP server if it is reachable from the WaveCore network connection. If a DHCP server is not available, units can be accessed using the default IP address.

NOTE THAT AT ANY CONFIGURATION CHANGES THAT ARE "SAVED" UNDER THE "NETWORK TAB", WILL ALSO REQUIRE A REBOOT OF THE WAVECORE BRIDGE IN ORDER FOR THE CHANGE TO TAKE EFFECT.

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Airvine Product Registration

Please take a moment to register your Airvine product at <https://airvine.com/registration>

Airvine Technical Support

<https://airvine.com/support>

WaveCore Datasheet

<https://airvine.com/resources/product/datasheets/>

Out of the Box

A user will be able to unbox, set up and power-on a WaveCore bridge pair without any additional configuration. The WaveCore with the lower MAC address will become the Controller Node (CN), while the WaveCore with the higher MAC address will become the Subordinate Node (SN). WaveCore bridges use an IPv6 address for network discovery and communication.

Alignment

In addition to the physical alignment of the WaveCore bridge pair, both LED and VineManager GUI tools are available. Please download the WaveCore Getting Started Guide or WaveCore Installation Guide for more details.

SFP+

WaveCore nodes include a hardware Small Form-factor Pluggable Plus (SFP+) 10G Ethernet port. SFP+ tested modules are listed in the WaveCore Product Ordering Guide.

Reset Button

A Reboot/Reset pinhole button is located next to the PoE Ethernet interface.

- Depress for < 5 sec for a soft reboot
- Depress for > 5 sec for a factory reset

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Mounting

WaveCore nodes may be mounted in the horizontal (wall facing) or vertical (ceiling facing) plane. In addition, WaveCore nodes can be mounted using the standard short mounting brackets that ship with the units or with an optional long mounting kit

PN: ACC-220L

Refer to the WaveCore Hardware Installation Manual
<https://airvine.com/support/downloads/>

VineCalculator

A WaveCore Calculator is located at the link below. This calculator allows a user to input environmental parameters and receive an estimate of the wireless link performance.

<https://services.airvine.com/calculator/vbcalc>

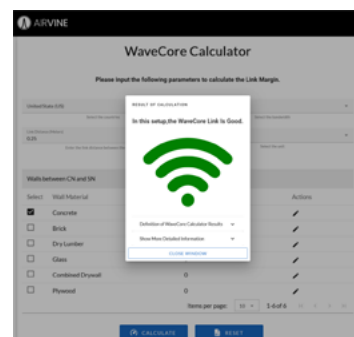


Figure 3: WaveCore Calculator

Power

WaveCore nodes do not ship with a power supply. 36-Watt AC to 12 VDC power supplies, country specific power cords, and Power over Ethernet (PoE) injectors can be ordered from Airvine to power the WaveCore and are available in the WaveCore Ordering Guide.

<https://airvine.com/products/wavecore/>

Note: A WaveCore node may be powered by a 12VDC power source and an Ethernet Power-over-Ethernet (PoE) source simultaneously for a redundant power option.

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