



LigoWave

LigoPTP 6-N RapidFire installation



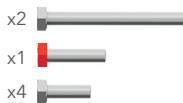
Package contents



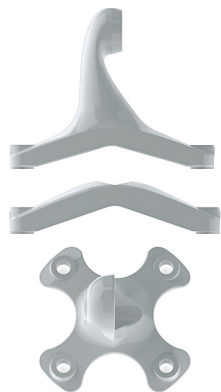
802.3af PoE injector



M8 bolts (7 pc.)



Mounting bracket (3 pc.)



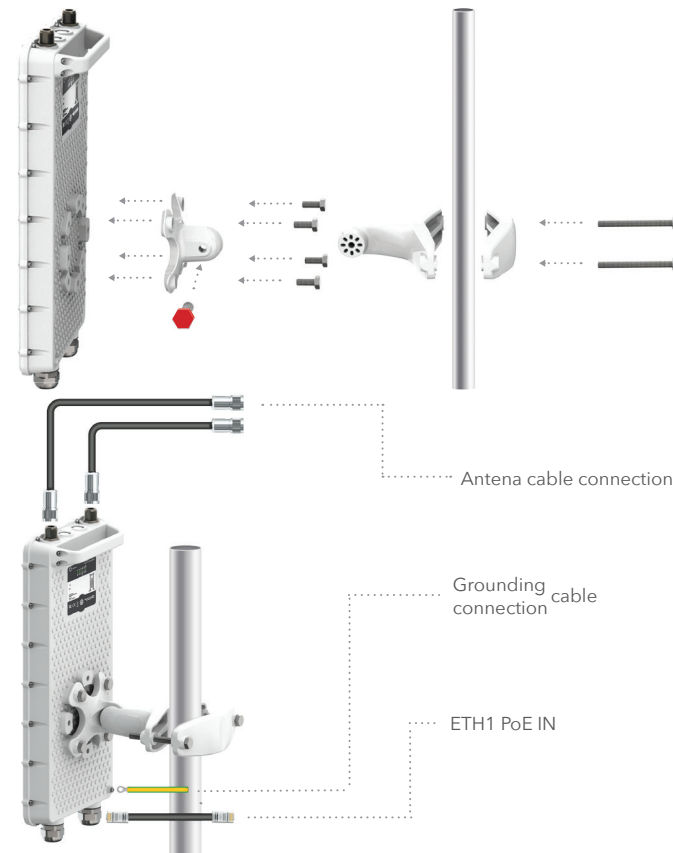
AC/DC power adapter



Hardware overview

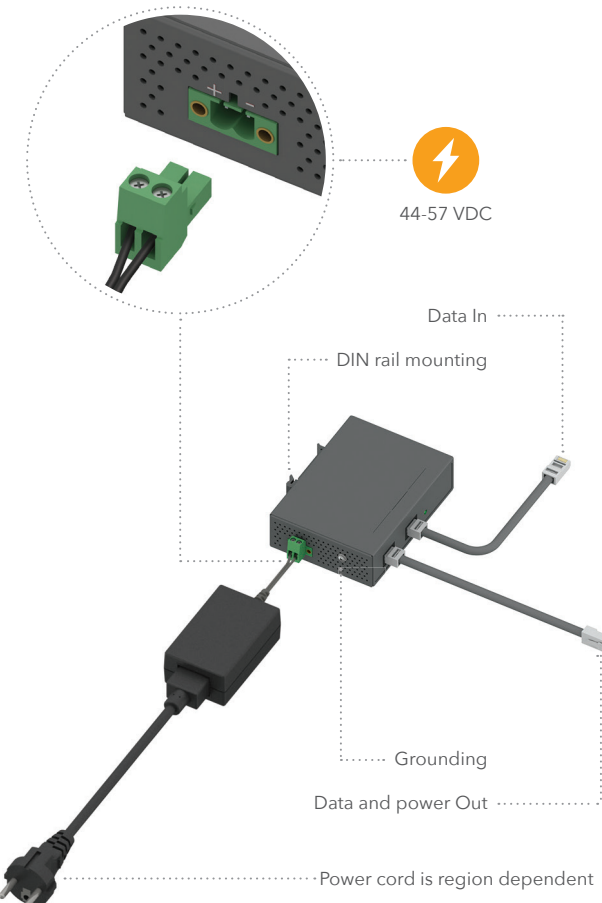


LigoPTP 6-N RapidFire installation




IMPORTANT: make sure antennas are connected before powering up the device to avoid possible damage.

PoE connection



Multifunction button

The Multifunction button, located on the back panel of the LigoPTP RapidFire 6-N (refer to the Hardware overview picture) is able to perform following functions:

	Activate LED indication	Click
	Switch to RSSI or Status indication	Click
	Enable WiFi management radio	Hold until 3 Blue LEDs are on
	Reset device to factory defaults	Hold until all Blue LEDs start to blink

LEDs

The LigoPTP 6-N RapidFire has 6 LEDs located on the back panel, which can indicate either main device operation status or RSSI level.

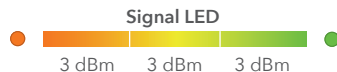
After the LigoPTP 6-N RapidFire is powered up, the LEDs display status indications.



RSSI Signal level (antenna alignment) indication

Click once the multifunction button to switch LEDs for displaying RSSI level.

Each RSSI Signal LED changes color depending on the LigoPTP link's signal strength from the lowest (amber) to the highest (green):



The stronger signal of the LigoPTP link is, more LEDs are on:

	≤ -89 dBm (too low)
	● -88 to -86 (dBm) ● -85 to -83 (dBm) ● -82 to -80 (dBm)
	● -79 to -77 (dBm) ● -76 to -74 (dBm) ● -73 to -71 (dBm)
	● -70 to -68 (dBm) ● -67 to -65 (dBm) ● -64 to -62 (dBm)
	● -61 to -59 (dBm) ● -58 to -56 (dBm) ● -55 to -53 (dBm)
	● -52 to -50 (dBm) ● -49 to -47 (dBm) ● -46 to -44 (dBm)
	● -43 to -41 (dBm) ● -40 to -38 (dBm) ● -37 to -35 (dBm)
	≥ -34 dBm (too high)

Connection options

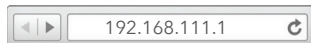
Remote wireless access

This is the easiest way to access the web management interface of the newly installed LigoPTP RapidFire device.

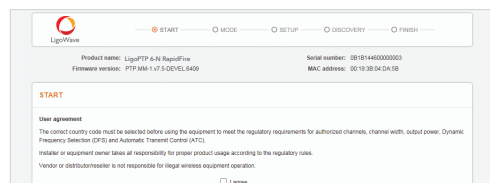
- Power off and power on again the LigoPTP RapidFire unit to switch it to a remote wireless management mode. The mode will be switched off automatically in 10 minutes of wireless inactivity.
- Scan for the wireless devices using your phone/tablet and choose the LigoPTP RapidFire wireless network name, which is LigoWave-mng-AABBCC (where AABBCC are the last three bytes of the particular RapidFire MAC address)



- Launch the browser application and type the default LigoPTP RapidFire IP address 192.168.111.1 in the address field.



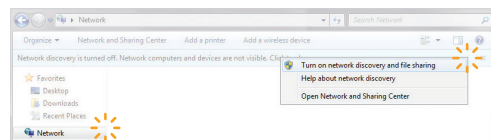
- The setup wizard screen appears, the LigoPTP RapidFire is now ready for configuration.



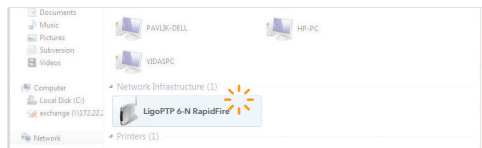
Ethernet access

By default LigoPTP RapidFire obtains the IP address from the DHCP server thus follow the steps to access device using Windows OS (for information how to access via other OS, refer to <http://www.ligowave.com/wiki/faq/>):

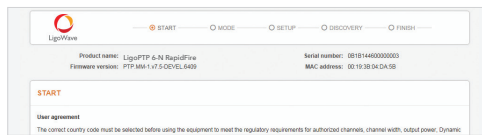
- Connect your PC to the LigoPTP RapidFire via Ethernet.
- Open Windows Explorer, click on Network drive, and turn on Network discovery:



- Find the required LigoPTP RapidFire icon:



- Double-click on LigoPTP RapidFire icon - you will be redirected to the LigoPTP RapidFire webpage. The LigoPTP RapidFire is now ready for configuration:



If the LigoPTP RapidFire is unable to obtain IP address from a DHCP server, it fallback to the default static IP 192.168.2.66.

Important information

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Antenna Type	External Antenna
Max. Tx power (dBm)	Up to 30 dBm (country dependent)
Max. EIRP (dBm)	Connected antenna gain dependent
Supported frequencies range	5.900-6.400 GHz
Power supply	PoE 802.3at, isolated 42 - 57 VDC
Power consumption (max)	8.6W



Contact information

Technical support

If you encounter problems when installing or using this product, please consult the LigoWave website at www.LigoWave.com for:

- Direct contact to the LigoWave support centers.
- Frequently Asked Questions (FAQ).
- Download area for the latest software, user documentation and product updates.

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