

## Contact us

### Technical support

If you encounter problems when installing or using this product, please consult the LigoWave website at [www.LigoWave.com](http://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.

### Contacts

**EU office:**  
Saulėtekio ave. 15 – 610  
Vilnius, LT-10244,  
Lithuania  
[support@wilibox.com](mailto:support@wilibox.com)

**US office:**  
Ligowave  
138 Mountain Brook Drive  
Canton, GA 30115  
United States of America  
For support: [support@ligowave.com](mailto:support@ligowave.com)  
For sales enquiries: [sales@ligowave.com](mailto:sales@ligowave.com)

### Default login settings:

IP address: DHCP client (fallback IP: 192.168.2.66)  
Login / Pass: admin / admin01

## QUICK INSTALLATION GUIDE

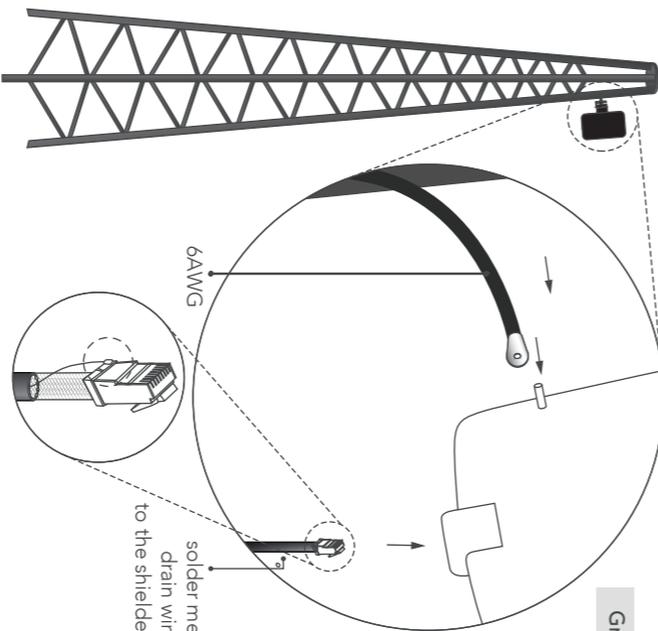


LigoDLB MACH 5

LigoDLB 2 - 90  
LigoDLB 5 - 90

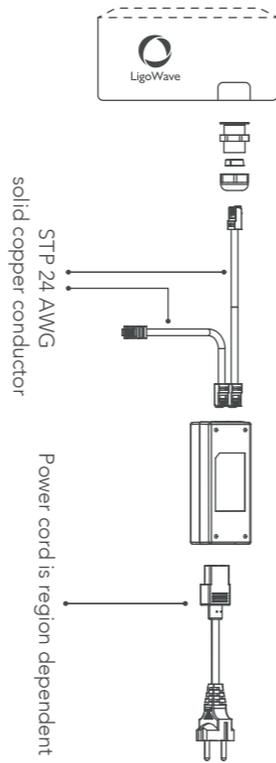
LigoDLB 2  
LigoDLB 5  
LigoDLB 2-9B  
LigoDLB 5-15B

LigoDLB 2 - 14  
LigoDLB 5 - 20



### Grounding

### PoE connection



## Important information

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### Notice

Product size and shape are subject to change without prior notice, and actual product appearance may differ from that depicted in the user guide. While the information in this guide has been compiled with great care, it may not be deemed an assurance of product characteristics. LigoWave shall be liable only to the degree specified in the terms of sale and delivery. The reproduction and distribution of the documentation and software supplied with this product and the use of its contents is subject to written authorization from LigoWave.

### Trademarks

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All other registered and unregistered trademarks in this document are the sole property of their respective owners.

### FCC warning

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.
- This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The device with integrated antenna should be installed no closer than 50 cm from the human body.

### FCC caution

To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

### FCC radiation exposure statement

To comply with FCC RF exposure requirements in section 1.1307, a minimum separation distance of 3.9 feet is required between the antenna and all occupational persons, and a minimum separation distance of 16.4 feet is required between the antenna and all public persons.

### Antenna installation

WARNING: It is installer's responsibility to ensure that when using the authorized antennas in the United States (or where FCC rules apply), only those antennas certified with the product are used. The use of any antenna other than those certified with the product is expressly forbidden in accordance to FCC rules CFR47 part 15.204. The installer should configure the output power level of antennas, according to country regulations and per antenna type. Professional installation is required of equipment with connectors to ensure compliance with health and safety issues.

### CE mark warning

This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures. R&TTE compliance statement This equipment complies with all the requirements of the Directive 1999/5/EC of the European Parliament and the Council of 9 March 1999 on Radio Equipment and Telecommunication Terminal Equipment and the Mutual Recognition of their Conformity (R&TTE). The R&TTE Directive repeals and replaces in the directive 98/13/EEC (Telecommunications Terminal Equipment and Satellite Earth Station Equipment) As of April 8, 2000.

### Safety

This equipment is designed with the utmost care for the safety of those who install and use it. However, special attention must be paid to the dangers of electric shock and static electricity when working with electrical equipment. All guidelines of this manual and of the computer manufacturer must therefore be allowed at all times to ensure the safe use of the equipment.

### EU countries not intended for use

None.

## Declaration of conformity

### Česky [Czech]

Wilibox tímto prohlašuje, že tento LigoWave LigoDLB 2, LigoDLB 5, LigoDLB 2-9B, LigoDLB 5-15B, LigoDLB 2-14, LigoDLB 5-20, LigoDLB 2-90, LigoDLB 2-90, LigoDLB 5-90, LigoDLB MACH 5, je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ES.

### Dansk [Danish]

Undertegnede Wilibox erklærer herved, at følgende udstyr LigoWaveLigoDLB 2, LigoDLB 5, LigoDLB 2-9B, LigoDLB 5-15B, LigoDLB 2-14, LigoDLB 5-20, LigoDLB 2-90, LigoDLB 2-90, LigoDLB 5-90, LigoDLB MACH 5, overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.

### Nederlands [Dutch]

Hierbij verklaart Wilibox dat het toestel LigoWave LigoDLB 2, LigoDLB 5, LigoDLB 2-9B, LigoDLB 5-15B, LigoDLB 2-14, LigoDLB 5-20, LigoDLB 2-90, LigoDLB 5-90, LigoDLB MACH 5, in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG.

Bij deze verklaart Wilibox dat deze LigoWave LigoDLB 2, LigoDLB 5, LigoDLB 2-9B, LigoDLB 5-15B, LigoDLB 2-14, LigoDLB 5-20, LigoDLB 2-90, LigoDLB 5-90, LigoDLB MACH 5, voldoet aan de essentiële eisen en aan de overige relevante bepalingen van Richtlijn 1999/5/EC.

### English

Hereby, Wilibox, declares that this LigoWave LigoDLB 2, LigoDLB 5, LigoDLB 2-9B, LigoDLB 5-15B, LigoDLB 2-14, LigoDLB 5-20, LigoDLB 2-90, LigoDLB 5-90, LigoDLB MACH 5, is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

### Eesti [Estonian]

Käesolevaga kinnitab Wilibox seadme LigoWave LigoDLB 2, LigoDLB 5, LigoDLB 2-9B, LigoDLB 5-15B, LigoDLB 2-14, LigoDLB 5-20, LigoDLB 2-90, LigoDLB 2-90, LigoDLB 5-90, LigoDLB MACH 5, vastavust direktiivi 1999/5/EÜ põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.

### Suomi [Finnish]

Wilibox vakuuttaa täten että LigoWave LigoDLB 2, LigoDLB 5, LigoDLB 2-9B, LigoDLB 5-15B, LigoDLB 2-14, LigoDLB 5-20, LigoDLB 2-90, LigoDLB 5-90, LigoDLB MACH 5, tyyppinen laite direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.

### Français [French]

Par la présente Wilibox déclare que l'appareil LigoWave LigoDLB 2, LigoDLB 5, LigoDLB 2-9B, LigoDLB 5-15B, LigoDLB 2-14, LigoDLB 5-20, LigoDLB 2-90, LigoDLB 5-90, LigoDLB MACH 5, est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE.

Par la présente, Wilibox déclare que ce LigoWave LigoDLB 2, LigoDLB 5, LigoDLB 2-9B, LigoDLB 5-15B, LigoDLB 2-14, LigoDLB 5-20, LigoDLB 2-90, LigoDLB 5-90, LigoDLB MACH 5, est conforme aux exigences essentielles et aux autres dispositions de la directive 1999/5/CE qui lui sont applicables.

### Deutsch [German]

Hiermit erklärt Wilibox, dass sich diese LigoWave LigoDLB 2, LigoDLB 5, LigoDLB 2-9B, LigoDLB 5-15B, LigoDLB 2-14, LigoDLB 5-20, LigoDLB 2-90, LigoDLB 5-90, LigoDLB MACH 5, in Übereinstimmung mit den grundlegenden Anforderungen und den anderen relevanten Vorschriften der Richtlinie 1999/5/EG befindet. (BMWi)

Hiermit erklärt Wilibox die Übereinstimmung des Gerätes LigoWave LigoDLB 2, LigoDLB 5, LigoDLB 2-9B, LigoDLB 5-15B, LigoDLB 2-14, LigoDLB 5-20, LigoDLB 2-90, LigoDLB 5-90, LigoDLB MACH 5, mit den grundlegenden Anforderungen und den anderen relevanten Festlegungen der Richtlinie 1999/5/EG. (Wien)

### Ελληνική [Greek]

ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ Wilibox ΔΗΛΩΝΕΙ ΟΤΙ LigoWave LigoDLB 2, LigoDLB 5, LigoDLB 2-9B, LigoDLB 5-15B, LigoDLB 2-14, LigoDLB 5-20, LigoDLB 5-20, LigoDLB 2-90, LigoDLB 5-90, LigoDLB MACH 5, ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/ΕΚ.

### Magyar [Hungarian]

Alulírott, Wilibox nyilatkozom, hogy a LigoWave LigoDLB 2, LigoDLB 5, LigoDLB 2-9B, LigoDLB 5-15B, LigoDLB 2-14, LigoDLB 5-20, LigoDLB 2-90, LigoDLB 5-90, LigoDLB MACH 5, megfelel a vonatkozó alapvető követelményeknek és az 1999/5/EC irányelv egyéb előírásainak.

### Íslenska [Icelandic]

Hér með lýsir Wilibox yfir því að LigoWave LigoDLB 2, LigoDLB 5, LigoDLB 2-9B, LigoDLB 5-15B, LigoDLB 2-14, LigoDLB 5-20, LigoDLB 2-90, LigoDLB 5-90, LigoDLB MACH 5, er í samræmi við grunnkröfur og aðrar kröfur, sem gerðar eru í tilskipun 1999/5/EC.

### Italiano [Italian]

Con la presente Wilibox dichiara che questo LigoWave LigoDLB 2, LigoDLB 5, LigoDLB 2-9B, LigoDLB 5-15B, LigoDLB 2-14, LigoDLB 5-20, LigoDLB 2-90, LigoDLB 5-90, LigoDLB MACH 5, è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.

### Latviski [Latvian]

Ar šo Wilibox deklarē, ka LigoWave LigoDLB 2, LigoDLB 5, LigoDLB 2-9B, LigoDLB 5-15B, LigoDLB 2-14, LigoDLB 5-20, LigoDLB 2-90, LigoDLB 5-90, LigoDLB MACH 5, atbilst Direktīvas 1999/5/EK būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.

### Lietuvių [Lithuanian]

Šiuo Wilibox deklaruoją, kad šis LigoWave LigoDLB 2, LigoDLB 5, LigoDLB 2-9B, LigoDLB 5-15B, LigoDLB 2-14, LigoDLB 5-20, LigoDLB 2-90, LigoDLB 5-90, LigoDLB MACH 5, atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas.

### Malta [Maltese]

Hawnhekk, Wilibox, jiddikjara li dan LigoWave LigoDLB 2, LigoDLB 5, LigoDLB 2-9B, LigoDLB 5-15B, LigoDLB 2-14, LigoDLB 5-20, LigoDLB 2-90, LigoDLB 5-90, LigoDLB MACH 5, jikkonforma mal-hitgiġiet essenzjali u ma provvedimenti oħrajn rilevanti li hemm fd-Direttiva 1999/5/EC.

### Norsk [Norwegian]

Wilibox erklærer herved at utstyret LigoWave LigoDLB 2, LigoDLB 5, LigoDLB 2-9B, LigoDLB 5-15B, LigoDLB 2-14, LigoDLB 5-20, LigoDLB 2-90, LigoDLB 5-90, LigoDLB MACH 5, er i samsvar med de grunnleggende krav og øvrige relevante krav i direktiv 1999/5/EF.

### Slovensky [Slovak]

Wilibox týmto vyhlasuje, že LigoWave LigoDLB 2, LigoDLB 5, LigoDLB 2-9B, LigoDLB 5-15B, LigoDLB 2-14, LigoDLB 5-20, LigoDLB 2-90, LigoDLB 5-90, LigoDLB MACH 5, spĺňa základné požiadavky a všetky príslušné ustanovenia Smernice 1999/5/ES.

### Svenska [Swedish]

Härmed intygar Wilibox att denna LigoWave LigoDLB 2, LigoDLB 5, LigoDLB 2-9B, LigoDLB 5-15B, LigoDLB 2-14, LigoDLB 5-20, LigoDLB 2-90, LigoDLB 5-90, LigoDLB MACH 5, står i överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.

### Español [Spanish]

Por medio de la presente Wilibox declara que el LigoWave LigoDLB 2, LigoDLB 5, LigoDLB 2-9B, LigoDLB 5-15B, LigoDLB 2-14, LigoDLB 5-20, LigoDLB 2-90, LigoDLB 5-90, LigoDLB MACH 5, cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE.

### Polski [Polish]

Niniejszym, firma Wilibox oświadcza, że produkt serii LigoWave LigoDLB 2, LigoDLB 5, LigoDLB 2-9B, LigoDLB 5-15B, LigoDLB 2-14, LigoDLB 5-20, LigoDLB 2-90, LigoDLB 5-90, LigoDLB MACH 5, spełnia zasadnicze wymagania i inne istotne postanowienia Dyrektywy 1999/5/EC.

### Português [Portuguese]

Wilibox declara que este LigoWave LigoDLB 2, LigoDLB 5, LigoDLB 2-9B, LigoDLB 5-15B, LigoDLB 2-14, LigoDLB 5-20, LigoDLB 2-90, LigoDLB 5-90, LigoDLB MACH 5, está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE.

To get full CE declaration of conformity documents, refer at <http://www.ligowave.com/wiki/declarations-conformity/>

