Velodyne ACOUSTICS

WiConnect System 2

MANUAL

Velodyne® ACOUSTICS

Masters of low frequencies

Velodyne Acoustics has been pioneering the development of subwoofer technologies for over 40 years. No other manufacturer holds as many patents in subwoofer engineering and each of these patents is dedicated to achieving the perfect low frequency reproduction for music, games and movies.

Meister der tiefen Töne

Seit über 40 Jahren treibt Velodyne Acoustics die Entwicklung des Subwoofer-Konzepts mit innovativen Technologien voran. Kein anderer Hersteller hält so viele Patente im Subwoofer-Bau und jedes dieser Patente steht ganz im Dienste der perfekten Tieftonwiedergabe für Musik, Games und Filme.

Welcome to WiConnect System 2

Velodyne Acoustics has earned a strong reputation in the audio industry for delivering high-performance, reliable wireless solutions.

The WiConnect System 2 enhances flexibility and performance by eliminating the need for cumbersome cabling. This provides:

- Ultra-high performance without cable constraints
- Greater freedom in speaker placement
- A cleaner and more immersive listening environment

Operating on the 5.8 GHz frequency band, WiConnect System 2 delivers stereo low-level or .1/LFE signals quickly and reliably. Unlike many wireless systems, it avoids the latency, distortion, and compression common to Bluetooth and Wi-Fi alternatives.

We remain committed to bringing you the highest-quality audio experience - WiConnect System 2 is another step toward delivering that promise.

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IMPORTANT SAFETY INSTRUCTIONS

Safety and Compliance

This product complies with the essential requirements and relevant provisions of the following EU directives:
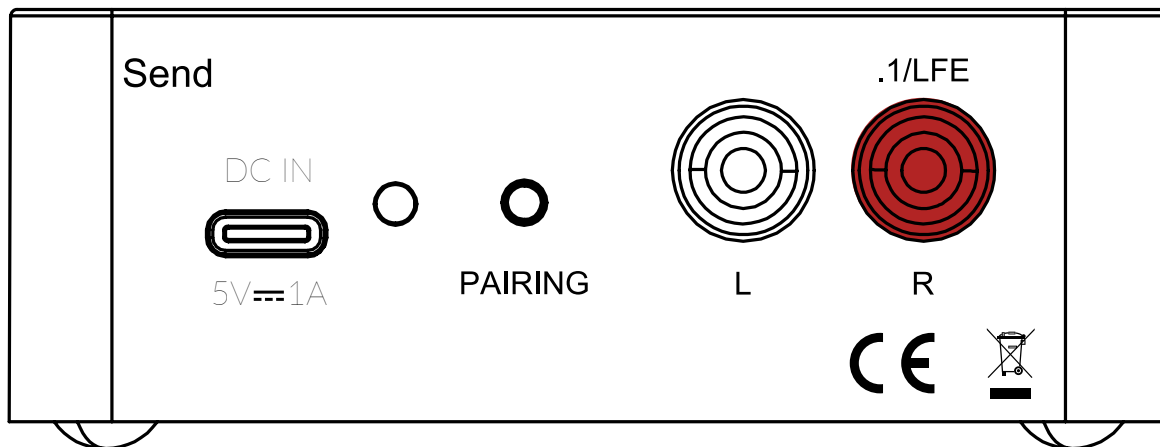
- Directive 2014/35/EU (Low Voltage Directive)

- Directive 2014/30/EU (EMC Directive)

- Directive 2011/65/EU (RoHS Directive on the restriction of hazardous substances)

The product is CE-marked and has been developed and tested in accordance with applicable European standards. It contains no substances exceeding the limits defined in the RoHS Directive.

The full EU Declaration of Conformity is availableon page 13.
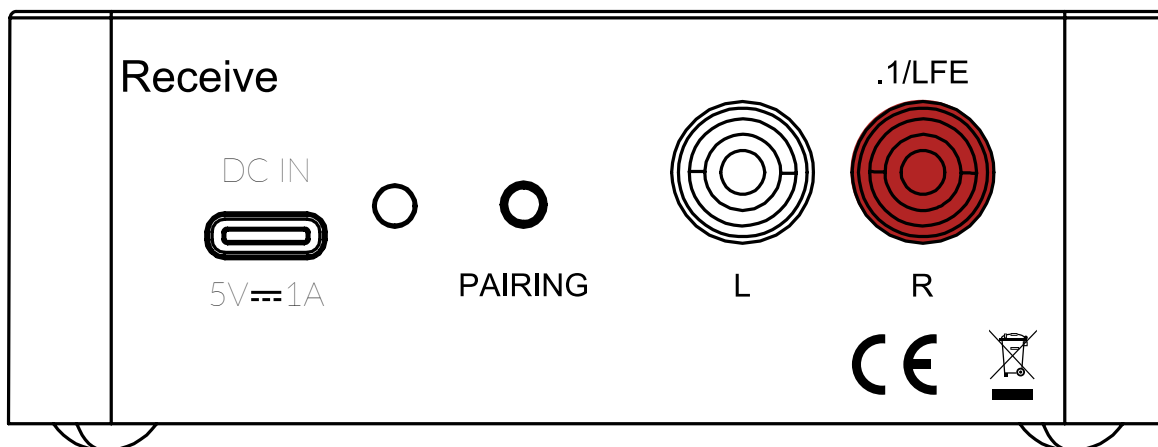
PANEL CONNECTION LEGEND
WIRELESS TRANSMITTER

Send .1/LFE

DC IN

5V⎓1A PAIRING L R

CE

1. **Inputs:**
Use both inputs for stereo (two-channel) connections or the Right/LFE input only for home theater setups.

2. **Pair Button:**
Press to pair the transmitter with the receiver.

3. **LED Indicator:**
Shows pairing status (paired, searching, standby).

4. **Power Socket:**
USB Type-C socket for the supplied power adapter.

PANEL CONNECTION LEGEND
WIRELESS RECEIVER

Receive .1/LFE

DC IN

5V⎓1A   PAIRING   L   R

1.   **Outputs:**
Connect to stereo RCA inputs or to the LFE input of a Velodyne Acoustics subwoofer.

2.   **Pair Button:**
Press to pair the receiver with the transmitter.

3.   **LED Indicator:**
Displays pairing status.

4.   **Power Socket:**
USB Type-C socket for the supplied power adapter.

CONNECTING THE SYSTEM

The WiConnect System 2 is designed for use with Velodyne Acoustics subwoofers or other compatible low-frequency systems.

Both the transmitter and receiver must be connected to AC power using the included power adapters.
Important:
• Do not use wired and wireless connections simultaneously. This may damage the system and void the warranty.
• Always power off your system before making or removing any cable connections.

Connection Options:

Single-Channel Input:
    • Most commonly used with subwoofer outputs (LFE/Sub Out) from home theater receivers.
    • Use one RCA cable to connect the source to the transmitter.

HOME THEATER CONNECTION

- Connect an RCA cable from the Sub Out of your theater processor to the LFE input of the WiConnect System 2 transmitter.
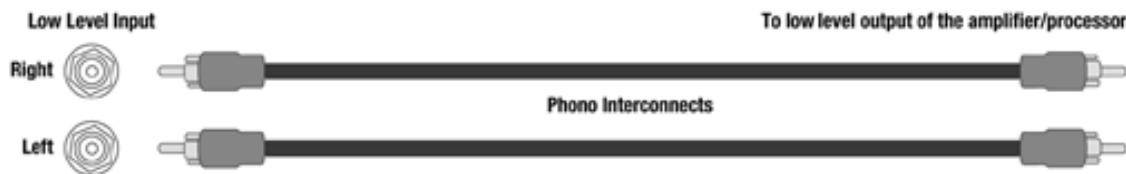

- Connect a second RCA cable from the LFE output of the receiver to the LFE input of the Velodyne Acoustics subwoofer.

This setup is intended for mono LFE signals.
- Total RCA cables required: **2**

POWERED SPEAKER CONNECTION

- Connect stereo RCA cables from the L/R output of your source device to the transmitter.

- Connect two more RCA cables from the L/R outputs of the receiver to the L/R inputs of your subwoofer.

PAIRING THE TRANSMITTER AND RECEIVER

Now that your devices are wired, it's time to pair the transmitter and receiver:

1. Power the Transmitter:
Connect the included USB Type-C power adapter and plug it into an AC outlet.

2. Power the Receiver:
Repeat the process for the receiver.

3. Power the Subwoofer:
Plug it into an AC outlet and switch it on (rear panel switch).

4. Automatic Pairing:
The devices should automatically pair. LEDs on both units will stay solid (not flashing) when paired.

5. Manual Pairing (if needed):
Press the „Pair" button on the receiver. The LED will blink. Once paired, it will turn solid (no flashing).

Important:
Make sure only the wireless connection is used.
If any audio cables are still plugged into the subwoofer's input (e.g., from an AV receiver), remove them now. Using both wired and wireless audio at the same time can damage your system and will void the warranty.

Status	LED Indicator
Paired	Continuously on
Looking for Pair	Blinks twice per second
Standby	Blinks once per second

CARE

- Use a damp (not wet) cloth to remove dust.
- Do not place objects such as drinks on the transmitter.
- Never use a dry cloth - this may scratch the surface.

TECHNICAL NOTE

The WiConnect System 2 delivers Velodyne Acoustics' signature performance - ultra-low latency, no compression, and uncompromising sound clarity.

SPECIFICATIONS
WiConnect System 2

- **Input Connectors:**   Stereo RCA; LFE input uses the Right channel only.

- **Input Impedance:**   10k ohms

- **Wireless Output Power:**   0 dBm

- **Effective Wireless Range:**   30 ft (10 meters) with clear line of sight

- **Power Input:**   5V USB (Type-C), center positive

- **Power Consumption:**   600 mW

- **Dimensions (W x H x D):**   90 mm × 32 mm × 90 mm

- **Finish:**   Black

Included Accessories:
- 2× Power Adapters
- 2× 1-meter RCA Cables

Note:
Velodyne Acoustics reserves the right to modify product specifications without notice to improve performance and reliability.

EU - DECLARATION OF CONFORMITY

We,
Velodyne Acoustics GmbH
whose registered office is situated at
Alsterkrugchaussee 435, 22335 Hamburg, Germany

declare under our sole responsibility that the product

WiConnect System 2

complies with the EU EC council directive of 2014/30/eu, in
pursuance of which the following standards have been applied:

EN 55032:2015,
EN 55035:2017,
EN 61000-3-2:2014,
EN IEC 61000-3-2:2019,
EN 61000-3-3:2013

and complie with the EU General Product Safety 2001/95/EC, in pursuance of which
the following standard has been applied:

EN IEC 62368-1:2020 + A11:2020.

This declaration attests that the manufacturing process quality control and product
documentation accord with the need to assure continued compliance.
The attention of the user is drawn to any special measures regarding the use of this
equipment that may be detailed in the owner's manual.

Mansour Mamaghani
CEO Velodyne Acoustics GmbH

Velodyne
ACOUSTICS

WiConnect System 2

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