

Velodyne® | vPulse®



User guide and warranty

Box Contents

- vPulse in-ear headphones
- Black ear tips (1 pair each of S, M, L, XL)
- Grey ear tips (1 pair each of S, M, L, XL)
- Cord clip
- Carrying pouch

Specifications

Driver size: 10 mm

Frequency response: 20 Hz - 20 kHz

Sensitivity: 92 dB/1 kHz/1 mW

Impedance: 16 ohm

*Design and specifications are subject to change without notice.

Warnings, safety, & care

- To reduce the risk of fire or electric shock, do not expose vPulse to rain or moisture, and do not open or attempt to open the control module, or any part of vPulse.
- Keep out of reach of children. Small parts may be a choking hazard. This product is not intended for use by children under the age of three.
- Excessive sound pressure from earphones and headphones can cause hearing loss.
- Consult your physician or audiologist if you have problems hearing, excessive wax build-up or any discomfort after use of vPulse.
- In particularly dry air conditions, mild tingling may be felt on your ears. This is a result of static electricity accumulated in the body and not a malfunction of vPulse. This effect can be minimized by wearing clothes made from natural fibers.
- vPulse are assembled in a facility where they could come in contact with chemicals covered by California's Proposition 65.
- Keep ear tips clean at all times, especially before inserting into your ears.
- If any dust or ear wax is inside the ear tip, you may experience a degradation of sound quality.
- Any dust or ear wax on the outside of the ear tip may cause discomfort or pain.
- Remove vPulse if they cause any discomfort or you have difficulty inserting the ear tips. Ears are sensitive and you should never force anything into the ear canal.
- The ear tips may deteriorate due to long-term storage or use. Replace the ear tips if they show any signs of deterioration, such as looseness, tearing, cracking, or holes.
- Install the ear tips firmly onto the vPulse. If an ear tip detaches and remains in your ear, get help to safely remove it.
- Do not submerge or expose vPulse to water.
- Protect your vPulse by storing them in the carrying pouch when not in use.

Please listen safely

For traffic safety, do not use vPulse while driving or cycling. Do not wear vPulse while operating machinery. Adhere to local laws regarding the use of headphones.

Listening with vPulse at high volumes may affect your hearing, including causing permanent damage. Ringing in your ears or other discomfort can indicate that the volume is too high.

Hearing health is critical to enjoyment and the quality of life. Protect your hearing by listening with your vPulse in a responsible manner that protects your long term hearing health. Velodyne Acoustics, Inc. is not responsible for hearing loss or damage resulting from the use of this product.

Sound	Noise Level (dB)	Effect
Normal breathing	10	Just audible
Whisper	30	Very quiet
Normal conversation	50-65	Comfortable hearing levels are under 60 dB
Vacuum cleaner, hair dryer	70	Intrusive; interferes with telephone conversation
Average city traffic	80	Annoying; interferes with conversation; constant exposure may cause damage
Lawnmower, food blender	85-90	85 dB is the level at which hearing damage (8 hrs) begins
Garbage truck, cement mixer	100	No more than 15 minutes of unprotected exposure recommended for sounds between 90-100 dB
Stereos (over 100 watts), thunderclap (near)	110-125	Regular exposure to sound over 100 dB of more than one minute risks permanent hearing loss
Jet engines (near)	140	Threshold of pain begins around 125 dB

*Information obtained from http://www.nidcd.nih.gov/health/education/teachers/pages/common_sounds.aspx

Selecting the right ear tip

Choosing the right ear tips will give you the best possible sound isolation and bass response.

Listen to a song that you know has deep bass. Change the ear tips until you find the smallest size that gives you the most bass extension.

Be sure to position the ear tips to fit your ears snugly.

Always turn down the volume on your device before inserting the ear tips into your ears. Once the ear tips are inserted, gradually increase the volume to a moderate sound level.

To change an ear tip

Gently pull on the outer baffle of the attached tip to remove it. To attach a new tip, align the tube with the driver grill at its end with the center tube of the ear tip and press on the tip until the driver tube is fully covered.

Wearing vPulse

Make sure ear tips are clean before inserting into your ears.

Wear the ear piece marked "R" in your right ear and the one marked "L" in your left ear. The left ear piece is the one with the control module on its cable.

Using the cord slider

Move the slider up and down to change the split position of the cord. Store vPulse with the slider all the way up to help reduce cord tangles.

Cleaning

Ear tips should be cleaned regularly for sanitary reasons and to prolong the life of your ear tips.

With a lightly dampened cloth, paper towel or disinfectant wipe, thoroughly clean the ear tips.

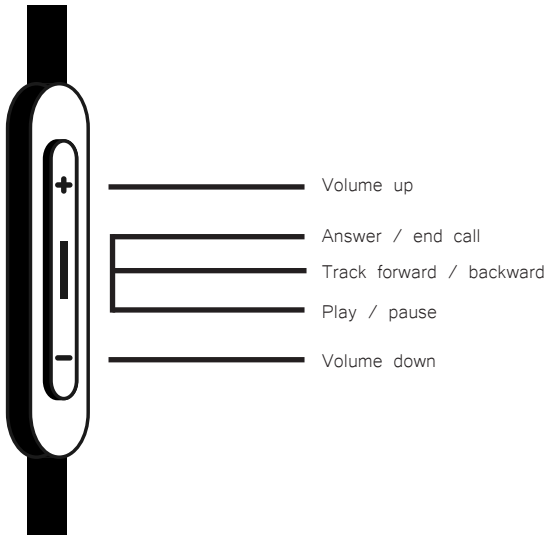
Use a dry cloth to pat away any remaining moisture.



Do not get the speakers or electronics inside of your vPulse wet. Liquids and heavy moisture can cause damage to the electronics inside your vPulse. Such accidental damages are not covered under warranty.

Using the playback, volume, & phone controls

The vPulse cable has playback, volume, and phone controls so you can flow between listening to music, watching video, and talking on the phone when connected to devices that support these features.



Important: Playback, volume, and phone control functionality varies by media device.

Music & video functions	Button press sequence
Increase or decrease volume	Press + / -
Switch between pause & play	Press & release center button x 1
Next song or video chapter	Press & release center button x 2
Start of song or video chapter	Press & release center button x 3
Previous song or video chapter	Press & release center button x 3, then x 3 again
Scan forward in song or video	Press & release center button x 1, then press & hold center button
Scan backward in song or video	Quickly press & release center button x 2, then press & hold center button

Phone functions	Button press sequence
Answer or end call	Press & release center button x 1
Decline incoming call	Press & hold center button for two seconds, then release
Put call on hold & answer new call or switch between calls	Press & release center button x 1
End call & answer incoming call	Press & hold center button for two seconds, then release

Limited warranty – U.S. and Canada only

VELODYNE ACOUSTICS, INC. (“Velodyne”) warrants this product for a period of one year from the date of purchase against defects in materials and workmanship subject to the following conditions:

1. This warranty is void if any repairs or service covered by the terms of this warranty are made to any component of this product by anyone other than a VELODYNE factory authorized service representative.
2. VELODYNE is not responsible for damage caused by ordinary wear and tear, cosmetic damage, incorrect connection, accidents, abuse, misuse, negligence, natural or personal disaster or unauthorized modification. This includes exposure to heat, cold, sun, liquids, sand and contaminants.
3. This warranty is limited to products purchased from authorized VELODYNE dealers and finalized within authorized dealer locations.
4. This warranty is void if this product is damaged due to a defect in the device to which it was connected, such as a battery leak or electrical fault.
5. Proof of purchase is required. A proof of purchase is a receipt with the product and date of purchase listed from an authorized dealer.

This warranty is non-transferable under any condition. This warranty is separate and distinct from VELODYNE's subwoofer warranty.

Warranty outside the U.S. and Canada

The warranty of this product, if it is sold to a consumer outside of the United States or Canada, shall comply with applicable law and shall be the sole responsibility of the distributor that supplied this product. To obtain any applicable warranty service, please contact the dealer from which you purchased this product or the distributor that supplied this product.

To obtain service

Information regarding service may be obtained from the dealer from whom you purchased the unit, or by contacting VELODYNE customer service. Warranty service must be performed by a VELODYNE factory authorized service representative within the warranty period set forth above. If VELODYNE determines that the unit is defective, VELODYNE will at VELODYNE's option, repair or replace the product at no charge if the product is forwarded prepaid to a factory authorized service representative. Products forwarded to the factory authorized service representative should be shipped securely and properly packaged, insured and postage prepaid.

Customer service contact information:

Technical support: 408-465-2851

Email: service@velodyne.com

Product recycling

Producing vPulse required the extraction and use of natural resources, and they may contain hazardous substances. Do not dispose of vPulse with your other household waste. Instead, take them to a designated collection point for the recycling of electronic equipment. The separate collection and recycling of your electronic waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For information about where you can drop off your waste equipment for recycling, contact your local city government or your household waste disposal service.

Register your vPulse headphones

velodyne.com/warranty-registration

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