Ot

ZEROPLUS
COMPRO WO60
HEADSET

Users Manual





ZEROPLUS COMPRO WO60 HEADSET

ZeroPlus ComPro WO60 headset provides a protective communication solution with Multi-Radio Technology, Bluetooth connectivity Technology, Safety Listening Technology, and Ambient-Dependent Technology for safe listening and communication, and also the option to connect external equipment. In addition to protecting you from dangerous noise, it makes communication easy. Please read these instructions carefully before use and keep them for future reference.

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CONTENTS OF THE PACKAGE







1 x Antenna



1 x Microphone



1 x 2 AA Batteries



2 x Mic Tape



2 x Ear cushion



1 x Portable bag



1 x User Instruction

APPLICATIONS

ZeroPlus ComPro W060 headset offers wireless communication in noisy environments. Suitable for work in industrial, construction and ground handling applications, where hands-free communication and hearing protection are needed.







Helicopters



Industry



Hunting and sport shooting



Drill & Cutting



Construction

⚠ NOTE

- When worn according to these User Instructions, this headset helps reduce exposure to both continuous
 noises, such as industrial noises and noises from vehicles and aircraft, as well as very loud impulse noises,
 such as gunfire. It is difficult to predict the required and/or actual hearing protection obtained during
 exposure to impulse noises. For gunfire, the weapon type, number of rounds fired, proper selection, fit and
 use of headset, proper care of headset, and other variables will impact performance. To learn more about
 headset for impulse noise, visit www.zeroplus-tech.com
- This PPE is not intended for use in potentially explosive atmospheres.

IMPORTANT USER INFORMATION

Please read,understand, and follow all safety information in these instructions prior to use. Retain these instructions for future reference. For additional information or any questions, contact ZeroPlus Technical Services (contact information listed on the last page).

⚠ WARNING

It is recommended that the wearer ensure that:

- The headset are fitted, adjusted and maintained in accordance with the manufacturer's instructions.
- · The headset are worn at all times in noisy surroundings.
- . The headset are regularly inspected for serviceability.

⚠ WARNING

If the recommendations below are not adhered to, the protection afforded by the ear-muffs will be severely impaired.

- This product may be adversely affected by certain chemical substances. Further information should be sought from the manufacturer.
- Headset, and in particular cushions, may deteriorate with use and should be examined at frequent intervals for cracking and leakage.
- The fitting of hygiene covers to the cushions may affect the acoustic performance of the earmuffs.
- This headset is provided with Ambient-dependent attenuation. The wearer should check correct
 operation before use. If distortion or failure is detected, the wearer should refer to the manufacturer's
 advice for maintenance and replacement of the battery. This headset is provided with electrical audio
 input. The wearer should check correct operation before use. If distortion or failure is detected, the
 wearer should refer to the manufacturer's advice.
- Follow the advice in this manual on maintaining and replacing batteries.

♠ WARNING

- Performance may deteriorate with battery usage. The typical period of continuous use that can be expected from the headset battery is 13 hours.
- The output of the Ambient-dependent circuit of this hearing protector may exceed the external sound level.
- The output of the electrical audio circuit of this hearing protector may exceed the daily limit sound level.

TECHNICAL DATA

Model: Zeroplus H-WO60-DP Headset

Weight (with battery)

- Headband: Approx. 464 g
- Helmet attachment: Approx. 475 g

Default shipment frequency:	PMR 440.125 MHz or LPD 455.125 MHz
Operation mode:	Full duplex,8 devices emit simultaneously
Channels:	16
Channel separation:	1 MHz
Microphone type:	Dynamic
Receiver sensibility:	Typical -117 dBm
Emit power:	PMR LPD
	Hi 150mW 10mW
	Lo 25mW
Range:	Outdoors up to 500m depending on conditions
Operating temperature:	-20°C to +55°C
Power:	2pcs AA batteries, included in delivery
Capacity:	3,7 V, 1800 mA, 6,7 Wh
Operating time:	Up to 14 hours (90 stby / 5 tx / 5 rx)
Storage	
Recommended storage conditions:	-20° C - +55° C, <85% humidity
Recommended max. shelf life:	5 years except the batteries, <1 year
Use limitation:	Never modify or alter this product

TESTING

Laboratory attenuation values

According to EN 352-1:2020

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	13.6	15.7	23.3	35.6	44	35.5	31.1	36.2
Standard Deviation (dB)	3.3	1.5	2.6	3.4	3.3	2.5	2.4	2.2
APV (dB)	10.3	14.2	20.7	32.2	40.7	33	28.7	34

SNR=30dB H=29dB M=28dB L=19dB

According to ANSI S3.19-1974

Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000
Average Attenuation (dB)	27.8	27.5	30.3	36.8	36.9	40.0	38.3	42.2	42.0
Standard Deviation (dB)	4.3	3.6	3.6	1.6	3.7	2.7	2.6	2.5	3.1

NRR=27dB

COMPONENTS



COMPONENTS

This headset should be fitted to, and used only With, the industrial safety helmets listed in the user instruction.

These headset were tested in combination with the following industrial safety helmets, and may give different levels of protection if fitted to different helmets.



FUNCTION SYMBOLS

To help you to understand the functionality of the products you will find below symbols on each product page.



Hearing protection with Safety Listening Technology (SLT).



Hearing protection with Ambient-Dependent Technology (ADT).



Hearing protection with Bluetooth technology, for wireless connection to devices.



APP control the volume, adjust EQ, personalize noised reduction, switch mode and channel.



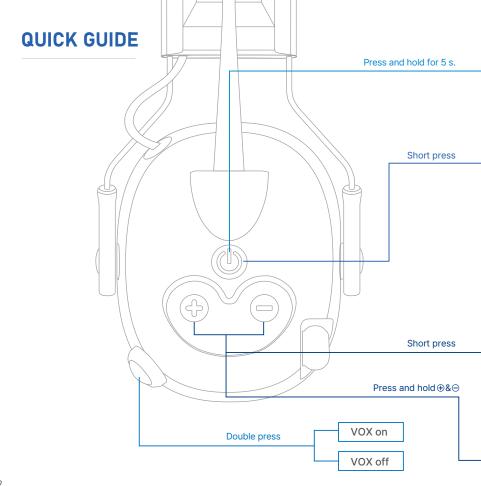
Hearing protection with Voice Automatic Transmission (VOX).



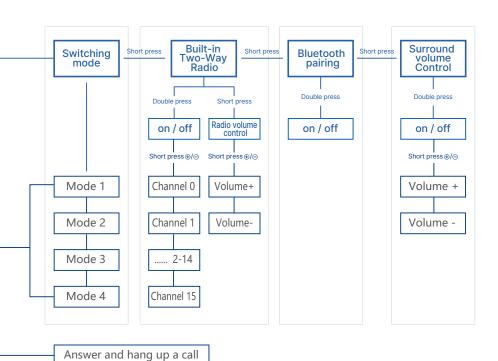
Hearing protection for communication with Two-way External Radio.



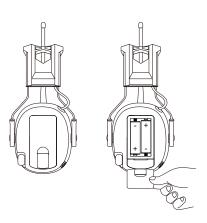
Hearing protection with Built-in Multi Radio.







Installing Batteries:

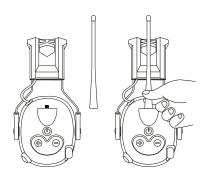


Install two 1.5V AA batteries as shown. Close battery cover until it clicks.

Note:

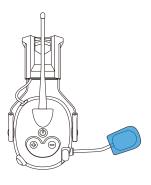
- Do not mix old and new batteries.
- Do not mix alkaline, standard or rechargeable batteries.

Installing Antenna:



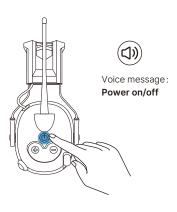
Align the antenna with the antenna connection hole, turn it clockwise, and continue until it can no longer be turned.

Installing Mic Tape:



Slide the Mic Tape onto the microphone.

Power

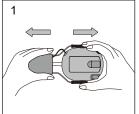


Press and hold for 5 seconds to power headset.

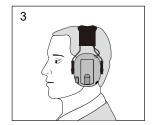
Press and hold of for 5 seconds to turn off the headset.

FITTING HEADSET

Headband





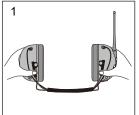


Adjust the height of the cups by sliding them up or down while holding the headband in place. The headband should be positioned across the top of the head as shown and should support the weight of the earmuff.

Note: Brush aside hair around your ears so the ear cushions fit snugly.

FITTING HEADSET

Neck fitting







Adjust the length of the neckband, place the neckband around your neck, position the ear cups on both sides of the head, and ensure that the ear cups fit snugly against the head, completely covering the ears.

FITTING HEADSET

Helmet attachment





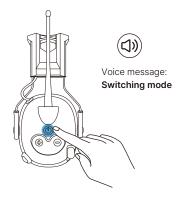




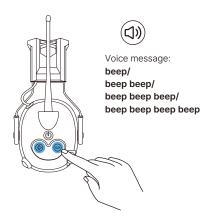
- 1. Insert the helmet attachment in the slot on the helmet and snap it into place.
- Working mode. To switch the unit from ventilation mode to working mode, press the headband wires inwards until you hear a click on both sides.
- 3. Make sure that the cups and the headband wires do not press on the edge of the helmet when in working mode as this can cause noise leakage.
- 4. Ventilation mode. Avoid placing the cups against the helmet as this prevents ventilation.

Switching Mode (ADT)





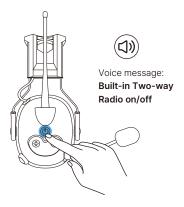
When the headset are powered on, short press (a) to switch to Switching mode, and you will hear 'Switching mode'



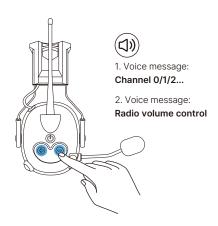
When Switching mode on, short press (4) (—) to choose the mode.

Built-in Multi Radio





When the headset are powered on, short press (a) to switch to Built-in Two-way Radio mode, and you will hear 'Built-in Two-way Radio on'. Double press the (a) to turn Built-in Two-way Radio on or off.

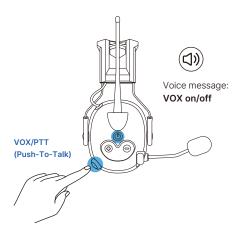


When Built-in Two-way Radio on:

- 1. short press (4) (-) to choose channel to use Built-in Two-way Radio function.
- 2. Short press come with radio volume control, short press (4) (-) to adjust the volume.

VOX (Voice Automatic Transmission)









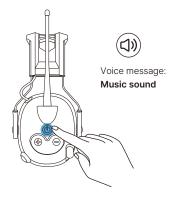
When the headset are powered on, short press (a) to switch to Built-in Two-way Radio mode, double-click the VOX button to enable bands-free intercom

Microphone Distance

The speech microphone must be very close to your mouth, 1–3cm

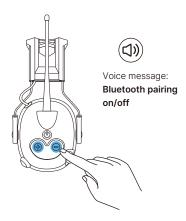
Bluetooth Pairing





When the headset are powered on, short press ① once to switch to Bluetooth pairing mode, double press ② will turn Bluetooth pairing on or off. You will hear the Bluetooth pairing has been activated, and then proceed to pair with other devices.

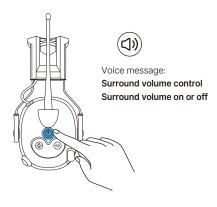
The headset can connect to audio Bluetooth within 1 minute of power on, and after more than 1 minute you can connect to audio Bluetooth via Bluetooth pairing menu.



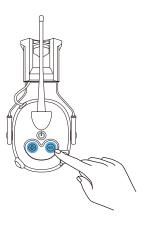
- Playing audio or making a call when Bluetooth pairing on.
- Answer/hang up call, press 🕀 and 😑 together.

Surround volume control





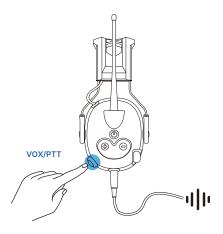
When the headset are powered on, short press (1) to switch to Surround volume control mode, and you will hear 'Surround volume control'. Double press the (1) to turn Surround volume on or off.



When Surround volume on, short press (4) (—) to adjust the volume.

Two-way External Radio





1. Output Function - External Intercom:

Before power on, connect the external intercom to the headset connector. When the headset are powered on, set the same channel as the other external intercom to start the intercom, double-click the VOX button to activate the hands-free intercom; you can also manually transmit voice using the PTT button.



2. Input Function - External Audio:

Connect the external audio device to the headset connector. When the external audio device is playing, the sound will be heard through the headset.

APP Control

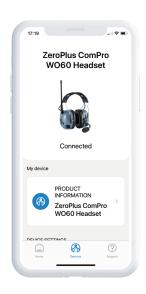




HearSafe

Download HearSafe APP from APP store, install it, connect the device, synchronize the data, you can switch the mode, switch the channel, adjust the volume and so on through the app.

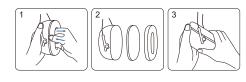




MAINTENANCE

1.Removing/replacing ear cushions

Slide your fingers under the edge of the ear cushion and pull straight out. Insert a new ear cushion by pressing until it snaps into place.



2. Cleaning

Remove the ear cushions and attenuation cushions if you have been wearing the headset for a long time or if moisture has gathered inside the cups. Clean and disinfect the cups, headband and ear cushions regularly by a cloth with soap and warm water. Make sure the soap is known not to be harmful to the wearer. Allow the headset to dry before you use it again.







Note: Do not immerse the headset in water!

3. Storage

- Store the product in a clean and dry area before and after use.
- Always store the product in the original packaging and away from any sources of direct heat or sunlight, dust and damaging chemicals.
- Storage temperature range: -20 °C (-4 °F) to 55 °C (131 °F).
- Relative humidity: <85%.
- Headband and Neckband versions: Make sure that no force is applied to the headband or neckband and that the cushions are not compressed.
- Helmet attachment version: Ensure the headset are in work mode position and that the cushions
 are not compressed.

CONFORMANCE STATEMENT

WEEE (Waste Electrical and Electronic Equipment) Symbol: Below requirement applies in the European Union.

Do NOT dispose your product as unsorted municipal waste!

The crossed-out wheeled-bin symbol indicates that all EEE (Electrical and Electronic Equipment), batteries and accumulators must be disposed of according to local law by the use of available return and collection systems.



WARRANTY AND LIMITATION OF LIABILITY

WARRANTY:

In the event any Zeroplus product is found to be defective in material, workmanship, or not in conformity with any express warranty for a specific purpose, Zeroplus's only obligation and your exclusive remedy shall be at Zeroplus's option, to repair, replace or refund the purchase price of such parts or products upon timely notification of the issue by you and substantiation that the product has been stored, maintained and used in accordance with Zeroplus's written instructions. EXCEPT WHERE PROHIBITED BY LAW, THIS WARRANTY IS EXCLUSIVE AND IS IN LIEU OF ANY EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHER WARRANTY OF QUALITY, OR THOSE ARISING FROM A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE, EXCEPT OF TITLE AND AGAINST PATENT INFRINGEMENT.

Zeroplus has no obligation under this warranty with respect to any product that has failed due to inadequate or improper storage, handling, or maintenance; failure to follow product instructions; or alteration or damage to the product caused by accident, neglect, or misuse.

LIMITATION OF LIABILITY:

EXCEPT WHERE PROHIBITED BY LAW, IN NO EVENT SHALL ZEROPIUS BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL LOSS OR DAMAGES (INCLUDING LOST PROFITS) ARISING FROM THIS PRODUCT, REGARDLESS OF THE LEGAL THEORY ASSERTED. THE REMEDIES SET FORTH HEREIN ARE EXCLUSIVE

NO MODIFICATION:

Modifications to this device shall not be made without the written consent of Zeroplus Company.

Unauthorized modifications may void the warranty and the user's authority to operate the device.



Professional Hearing Protection Manufacturer

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