CENS®
PROFLEX
DIGITAL

CENS® ProFlex User Guide

Contains important information - do not throw away

CE 2777 EN352

Version 1.09
September 2019

CENS® ProFlex digital

Category III Personal Protective Equipment (PPE) manufactured by Puretone Ltd for protection against the harmful effects of noise.
EU Type Tested to harmonized standards EN352-2:2002, EN352-7:2002 and certified in conformity with the provisions of Regulation (EU) 2016/425 including ongoing surveillance (Module D) by SATRA Technology Europe Ltd, Bracetown Business Park, Clonee, Co. Meath, Ireland D15 YN2P (Notified Body 2777).
EU declaration of conformity can be accessed at www.puretone.net

Disposal Information

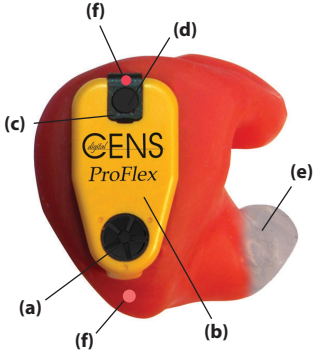
Within the European Union, the marked equipment is covered by "Directive 2002/96/EC of the European Parliament and of the Council of 27 January 2003 on waste electrical and electronic equipment." Amended by "Directive 2003/108/EC" (WEEE).
Recycle CENS® ProFlex, batteries and accessories according to national regulations.

Contents

Your CENS® ProFlex	4
Intended Use	5
General Notes On Safety	6-7
Handling Batteries	8
Inserting The Battery	9
Removing The Battery	9
Modules	10
Cleaning	11
Inserting & Removing The CENS® ProFlex	12-13
Turning Your CENS® ProFlex On & Off + Adjusting The Volume	14-15
Programs	16
Troubleshooting	17
Technical Information	18

Your CENS® ProFlex

Left Ear



Right Ear

a) Volume control
b) Battery tray
c) Microphone
d) Program push-button (if fitted)
e) Clear tip
f) Blue dot = left ear / Red dot = right ear

Every CENS® ProFlex can be identified by the serial number located on the underside of the module. The intended users name (personal ID) will be laser marked onto each silicone earpiece.

This ear-plug is provided with level-dependent attenuation. The wearer should check correct operation before use. If distortion or failure is detected, the wearer should refer to the manufacturers advice for maintenance and replacement of the battery.

Intended Use

Symbols:

Be aware of information marked with the warning symbol **WARNING, CAUTION** or **NOTICE!**

WARNING points out a situation that could lead to serious injuries, **CAUTION** indicates a situation that could lead to minor and moderate injuries.

NOTICE **NOTICE** indicates possible property damage.

Advice and tips on how to handle your device better.

Instruction. Indicates that something has to be done.

Indicates an option that not every CENS® ProFlex has. Ask your supplier to check off the relevant information.

CENS® ProFlex is intended to protect your hearing while being able to communicate normally or hear better. To ensure the best possible protection it has to be used constantly in noisy situations. CENS® ProFlex are reusable LDF Devices. The volume control function of CENS® ProFlex is designed to allow a small increase in low level ambient sound, affording the user increased awareness in sporting situations.

CENS® ProFlex are not intended or suitable for use as a hearing aid or to provide any correction for hearing loss.

Read and follow the instructions of this user guide to avoid injuries or damage to the CENS® ProFlex.

CENS® ProFlex is a 2 part modular system. For optimal protection the module and silicone earpiece should be inserted correctly as described on page 12-13.

NOTICE Always transport and store your CENS® ProFlex in the protective case supplied.

General Notes On Safety

NOTICE Your CENS® ProFlex is sensitive to extreme heat, high humidity, strong magnetic fields (>0.1T), X-rays and mechanical stress.

- Do not expose your CENS® ProFlex to extreme temperatures or high humidity.
- Do not leave them in direct sunlight.
- Do not wear them in the shower or when you apply make-up, perfume, aftershave, hairspray or suntan lotion.
- Do not wear your CENS® ProFlex when you are exposed to short-waves, a strong magnetic field, a high frequency field or X-rays.
- Do not place your CENS® ProFlex in a microwave oven.

Choking hazard posed by small parts.

- Keep CENS® ProFlex, batteries and accessories out of children's reach.
- If swallowed consult a physician or hospital immediately.
- If infants, small children or disabled persons need to wear CENS® ProFlex ensure adequate supervision.

Warning - Performance may deteriorate with battery usage. The typical period of continuous use that can be expected from the earpiece battery is dependent on the battery type (see page 8) .

Warning - The output of the level-dependent circuit of this hearing protector may exceed the daily limit sound level.

NOTICE

- Leaking batteries will damage the CENS® ProFlex.
- Turn the CENS® ProFlex off when not in use to preserve the battery.
- Remove batteries when the instruments are not in use for a prolonged period of time.

NOTICE

- Batteries contain harmful substances that pollute the environment.
- Do not throw used batteries into household waste.
- Dispose batteries according to national regulations or return them to your supplier.

Hazard of explosion!

- Do not use your CENS® ProFlex in areas where there is a danger of explosions (e.g. mining).

NOTICE These are reusable devices, and it is strongly recommended that they are regularly inspected to ensure correct fit and functionality. If in doubt, return them for a service and check.

Puretone recommend CENS® ProFlex electronic modules should be returned for manufacturer service and inspection annually.

Handling Batteries

312 Zinc Air Battery Typical life 220 hours.

13 Zinc Air Battery Typical life 400 hours.

- Battery life may vary depending on ambient sound levels and environmental conditions such as humidity.
- Always use the correct size of batteries, as supplied with your CENS® model.
- Remove the tab on your batteries only when you are ready to use them.
- The positive (+) side of the batteries is always the smooth side.
- Always keep spare batteries with you.

Low Battery Warning

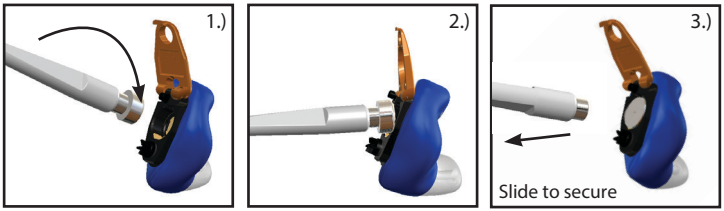
When the battery becomes low a series of warning bleeps will sound. If this happens you should change the battery. The warning bleep will periodically sound until the battery has been replaced.

If the battery fails during use and is not replaced, your protection will not be compromised, but the ambient awareness will deteriorate.

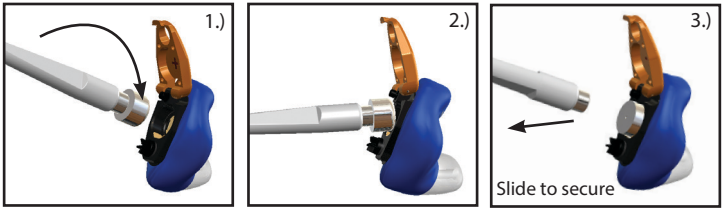
Inserting The Battery

- Open the battery tray. Place the new battery on the magnet stick as shown.
- Insert the battery into the tray bottom first, as shown in the diagram, and then tilt the stick up to insert the top of the battery.
- Finally, remove the battery stick from the new battery, and close the battery tray.

312 Battery



13 Battery



Removing The Battery

- Open the battery tray. Place the magnet stick on the battery and remove directly out.

Modules

CENS® ProFlex digital custom electronic noise suppressors are designed with a removable modular format for ease of use, easier cleaning and maintenance.

The module is designed to snap fit into the preformed silicone earpiece.

Left Ear

Right Ear

CENS® ProFlex
digital earpieces

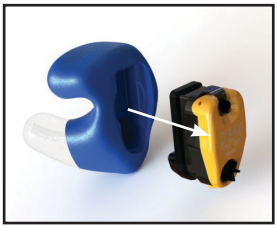
Electronic Modules

Passive Filtered Modules

- Do not use the lid to extract the module from silicone earpiece.
- Do not use excessive force when inserting or removing.
- Do not use the earpieces without a module (passive or electronic) fitted.

Cleaning and Disinfection

It is recommended that you clean your CENS® ProFlex digital after every use to keep them in perfect working condition.



Remove the module from the earpiece before cleaning.

Use the brush to clean the sound hole.

Your CENS® ProFlex is a highly sensitive system. Proper care and handling will ensure the best possible performance. Clean the instrument regularly to prevent damage to the CENS® ProFlex and to avoid health problems.

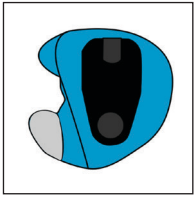
NOTICE

- Do not put the CENS® ProFlex in water.
- Clean your CENS® ProFlex with a soft, damp cloth, as necessary.
- Ask your supplier for special care packs and further information on how to keep your CENS® ProFlex in good condition.
- This product may be adversely affected by certain chemical substances. Further information should be sought from the manufacturer, *e.g insect repellents containing DEET*.

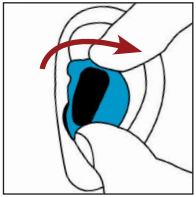
Inserting & Removing The CENS® ProFlex

Inserting The Earpiece

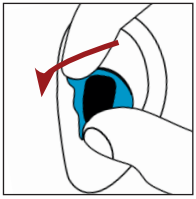
Left Ear



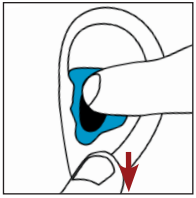
Hold the earpiece around the electronic module.



Place the clear ear tip into the ear canal and slightly rotate the earpiece backwards while inserting into the ear canal.

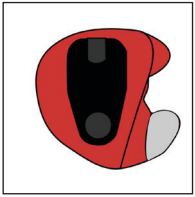


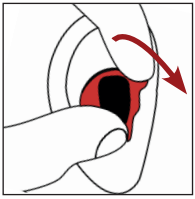
Once the clear ear tip can be inserted no further, gently rotate the earpiece forward to ensure the top fits snugly under the helix of the ear.



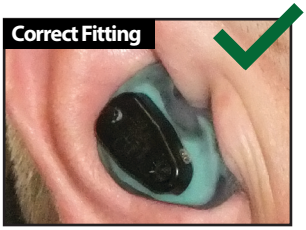
Gently pull the ear lobe down (with opposite hand) and press the earpiece securely into the ear.

Right Ear

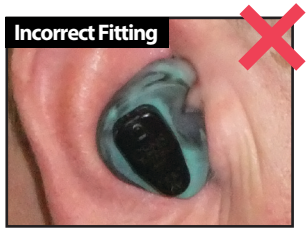




It is important that each device is fitted correctly to ensure safe and effective use. To check the fit is correct, clap your hands near each ear. You should hear the sound but at a lower level.



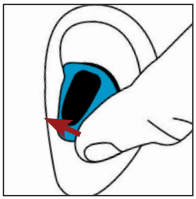
Earpiece is flush and helix is securely in the ear.



Earpiece is not flush and helix is not correctly in the ear.

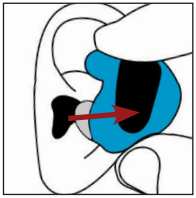
Removing The Earpiece

Left Ear



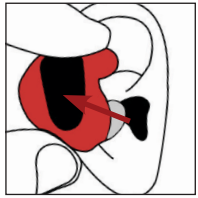
With your thumb, press on the back of the earflap to lift the earpiece away from the ear bowl.

With your index finger & thumb gently twist out by slightly rotating the earpiece backwards.



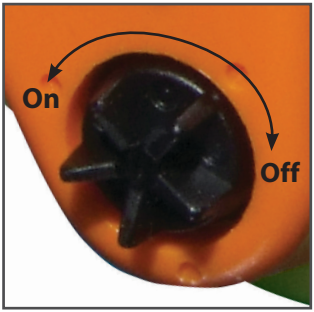
The earpiece can then be easily removed from the ear.

Right Ear

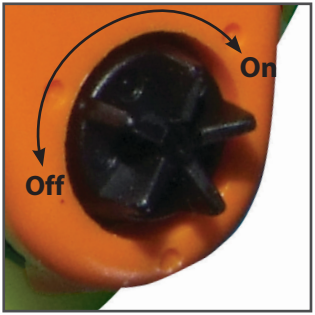


- Never pull on the battery compartment door or volume control wheel to remove the CENS® ProFlex, as this could cause damage.
- Sudden or fast removal of ear-plugs from the ear canal may damage the ear drum.

Turning Your CENS® ProFlex On & Off



Left Ear

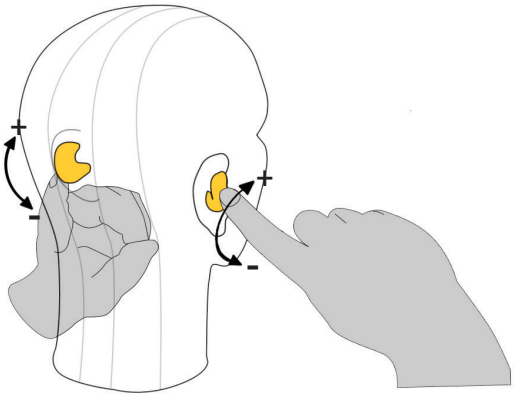


Right Ear

- Turn the device on/off using the rotary volume/power control switch.
- Gently rotate the control in the directions shown to turn on/off.
- Adjust the volume to a comfortable level using your fingertip to gently rotate the control.

The volume control must only be operated by your finger tips with light pressure. Applying excessive pressure can result in the volume control being damaged. This is a precision miniature device that must be handled with care.

Adjusting The Volume

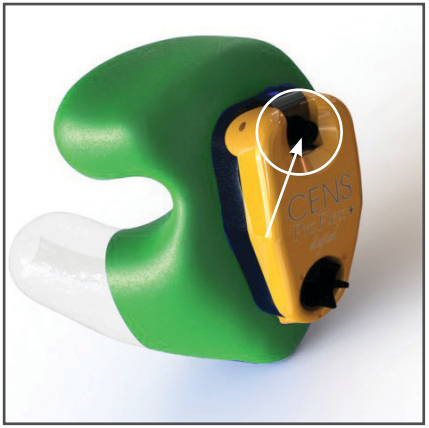


- DO NOT use your CENS® ProFlex earpieces without either the electronic or passive module being fitted.

- Once the devices are switched on, you will be able to hear sound as normal; however, when a loud sound is detected the device will automatically reduce the volume to a safe and comfortable level. After the loud sound has passed the volume is automatically returned to normal.

  (Please note: There may be a up to 5 second delay followed by an activation melody after the devices are switched on before the amplified sound is heard.)

Programs



Device models fitted with a program switch (shown above) have multiple programs. These have been optimised for the intended use by the user. Details of these programs can be found in the Additional Information booklet supplied.

Program 1 is automatically selected by default when turning devices on. When the program button is pressed, 2 beeps will be heard indicating Program 2 and 1 beep for Program 1 as the button is repeatedly pressed.

Troubleshooting

Use these tips to resolve simple issues.

Problem	Possible Solution
Sound is weak.	Replace empty battery. Increase volume. Clean instrument. Close battery door completely.
CENS® ProFlex emits whistling sounds.	Reinsert the instrument until it fits securely. Clean instrument.
Sound is distorted.	Replace empty battery. Lower volume. Clean instrument.
CENS® ProFlex emits signal tones.	Gently close battery compartment completely. Replace empty battery.
CENS® ProFlex does not work.	Check if the CENS® ProFlex is turned on. Gently close battery compartment completely. Replace empty battery. Make sure battery is inserted correctly.
(Models with program button.) Ambient sound not as expected.	Check same program selected for left and right device.

Consult your supplier if you encounter further problems.

Technical Information (EN352)

Electronic Module - Sound Attenuation

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation	26.1	24.6	23.2	23.3	23.4	31.6	31.8	36.4
Standard Deviation	6.4	4.6	3.8	3.5	3.4	3.6	3.3	4.8
Assumed Protection	19.7	20.0	19.4	19.8	20.0	28.0	28.5	31.6

H=27	**M**=21	**L**=20

SNR=25

Criterion Levels

Program No.	H	M	L
1	111	105	105
2	112	106	105
3	111	106	104
4	112	106	105

SNR = Single Number Rating attenuation
H = High frequency attenuation
M = Medium frequency attenuation
L = Low frequency attenuation

Passive Module - Sound Attenuation

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation	24.2	23.5	22.3	22.8	23.5	32.1	30.4	36.8
Standard Deviation	4.5	3.6	2.8	3.8	3.4	3.8	3.8	5.6
Assumed Protection	19.7	19.9	19.5	19.0	20.1	28.3	26.6	31.2

H=26	**M**=21	**L**=20

SNR=25

EN352-2:2002, EN352-7:2002, Regulation (EU)2016/425 Module D by SATRA Technology Europe Ltd, Bracetown Business Park, Clonee, Co. Meath, Ireland D15 YN2P (Notified Body 2777)

CENS™
PROFLEX
DIGITAL

Designed and manufactured in the UK

Puretone Ltd, 9-10 Henley Business Park,
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CENS® is a registered trademark of Puretone Ltd

CENS® module is protected by EC Design Registration No. 001861998-0001
Norwegian Design Registration No. 083344
South African Design Registration No. 2011/01813
US Design Patent D739,946 S.