VOXEAR | PROTECT

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VOXEAR.COM

SMART HEARING PROTECTION

Hearing Protection for all conditions

Voxear™ Protect in-ear hearing protector made for professionals. A smart device providing the user with high attenuation, reducing noise up to 35dB, and able to stay connected for 40 hours with multipoint technology through Bluetooth®.

The dual functionality feature allows for versatile use and compatibility with various protective gear. Voxear™ Protect in-ear is engineered to provide workers with strong and long-lasting protection against dangerous noise levels in loud environments, while also enabling communication through integrated Bluetooth® technology.

This hearing protection allow level dependent functionality (ambient listening), streams audio from paired devices like mobile phones, and facilitates phone conservations. Designed for comfort on both the ears and head, its lightweight construction and soft foam Eartips make it suitable for extended wear.

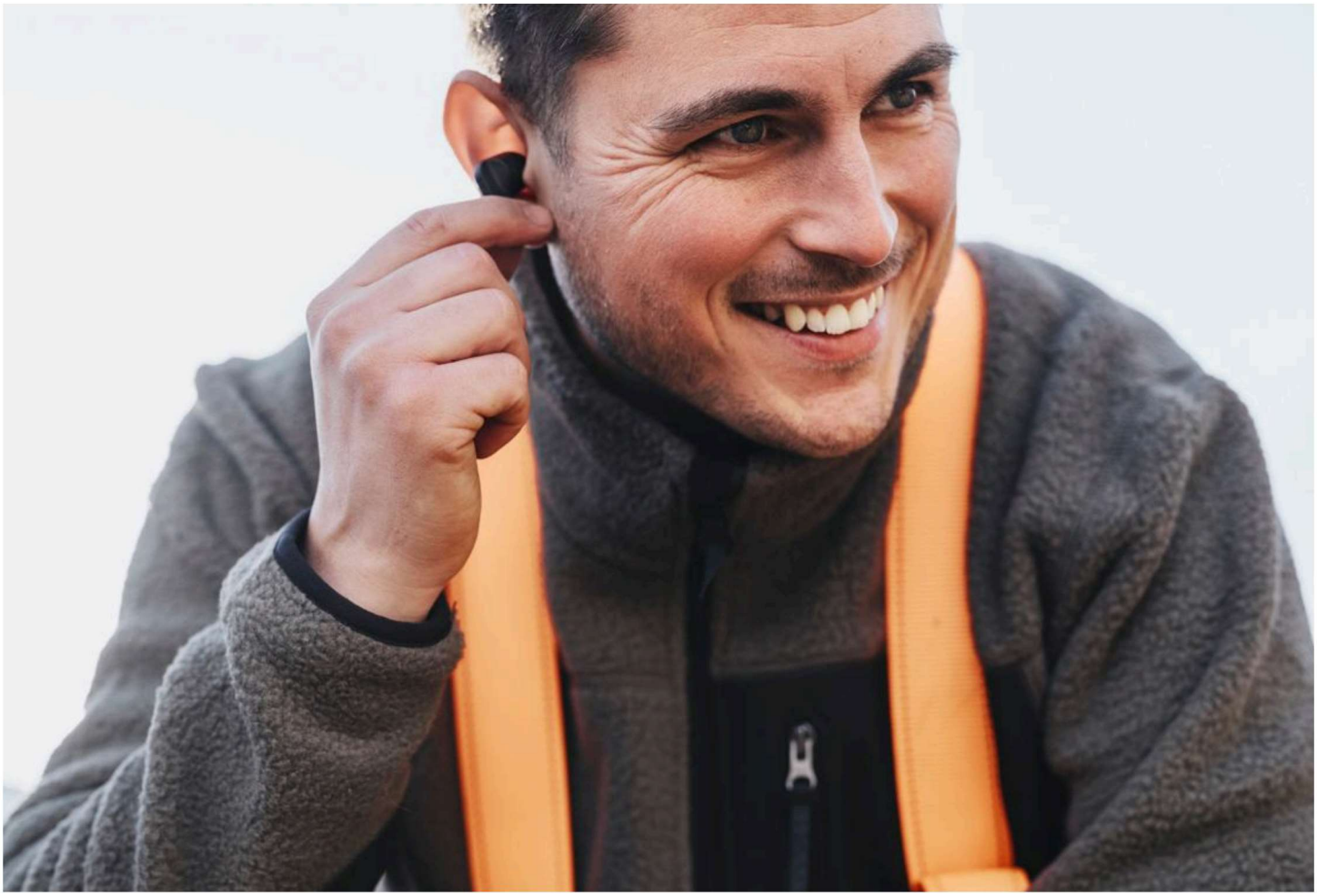
Certified according to European safety standard EN352.

OUR MISSON

This hearing protector will make a difference for many users in their daily work. When I started this company five years ago the ambition was to develop a hearing protector for our time. A state of the art hearing protector, connected, nice to wear and with a very high comfort. A smart hearing protector!

Our focus is on innovative hearing protection with communication for professionals. We are the innovator and manufacturer. Our vision is to innovate hearing protection in close collaboration with the users in Scandinavia and Europe.
We were awarded the Red Dot Award Product Design 2024 for our first hero product, the Voxear™ Protect. You can learn more about Voxear™ Protect on our site www.voxear.com and I would be very delighted to have you as one of our users.

Nils-Holger Olsson, founder of Voxear Technologies AB



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KEY FEATURES

- IP67 Earphones
- Real physical buttons
- Easy dual operations, case and earphones
- Noise protection SNR29 and SNR35
- Multipoint technology, Pairing two Bluetooth devices
- Stream and talk 40 hours

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- 6 different Voxear™ Eartips Foam
- 2 different Voxear™ Eartips Silicone
- Level dependent function with low, medium and high ambient noise EN352-7 certified
- Push to Talk mobile apps in Google Play and App Store

Battery and charging time

- Case battery capacity 600 mAh, 2 hours charging time
- Earphones 65 mAh, 1,5-2 hours charging time

Approximate use time:

1. Streaming approximate 10 hours without recharge Earphones in the case
2. Streaming approximate 40 hours with recharge Earphones in the case
3. Streaming and level dependent 6-7 hours without recharge Earphones in the case
4. Streaming and level dependent 24-26 hours with recharge with Earphones in the case

Voxear Protect complete range of Eartips

Voxear offer a full range of Eartips for your different work situation. The soft memory foam eartips make all-day usage more comfortable and provides hearing protection. Engineered to deliver maximum noise reduction for communication and hearing protection.
Extremely-soft, viscoelastic foam conforms to the ear canal to maintain an acoustic seal and retain the device in the ear. Voxear™ Eartips are benchmark for communication and for hearing protection in noise environments. User experience lightweight and low heat build up.

Select Eartips based on your workplace assessment to have the right protection and select the size of Eartip to experience a good comfort.
Voxear™ Eartip Foam Long Large (**SNR35, blue, red or green core canal**)
or **Voxear™ Eartip Foam Short** (**SNR29, purple, black or white core canal**).

Registered trademark

COMPLY Voxear Eartip Foam Original and Voxear Eartip Foam Short are made by Comply™. Comply™ is a registered trademark of Hearing Components.

EN352-2:2002 Passive Noise Reduction (SNR)									
Voxear Eartips Foam Long									
Frequency (Hz)	63	125	250	500	1000	2000	4000	8000	SNR
Mean attenuation (dB)	28,9	32,2	33,6	36,6	36,9	37,4	40,1	44,6	35
Standard devition (dB)	4,5	4,6	4,4	4,4	6,6	3,7	3,5	4,8	
Assumed protection value (dB)	24,4	27,6	29,2	32,2	30,3	33,7	36,6	39,8	

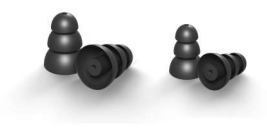
Voxear Eartips Foam Long				
Standard Eartips	SNR	H	M	L
Mean attenuation (dB)	37,8	37,6	36,0	34,6
Standard devition (dB)	3,2	3,0	4,1	3,9
Assumed protection value (dB)	35	35	32	31

EN352-2:2002 Passive Noise Reduction (SNR)									
Voxear Eartips Foam Short									
Frequency (Hz)	63	125	250	500	1000	2000	4000	8000	SNR
Mean attenuation (dB)	25,5	27,8	27,4	26,0	29,4	33,8	37,7	40,5	29
Standard devition (dB)	2,4	4,0	4,0	5,5	4,2	4,0	3,2	4,2	
Assumed protection value (dB)	23,1	23,8	23,4	20,5	25,2	29,8	34,5	36,3	

Voxear Eartips Foam Short				
Standard Eartips	SNR	H	M	L
Mean attenuation (dB)	31,6	33,3	28,2	27,3
Standard devition (dB)	3,1	2,3	3,7	3,8
Assumed protection value (dB)	29	31	25	24

EN352-2:2020 (SNR)									
Voxear Eartips Silicone									
Frequency (Hz)	63	125	250	500	1000	2000	4000	8000	SNR
Mean attenuation (dB)	29,6	35,8	36,0	35,0	30,1	30,7	31,6	44,5	29
Standard devition (dB)	3,8	3,8	4,4	5,4	3,2	4,3	6,8	5,8	
Assumed protection value (dB)	25,8	32,0	31,6	29,6	26,9	26,4	24,8	38,7	

Voxear Eartips Silicone				
Standard Eartips	SNR	H	M	L
Mean attenuation (dB)	31,6	30,1	30,2	31,6
Standard devition (dB)	2,9	3,3	2,6	2,8
Assumed protection value (dB)	29	27	28	29



Cleaning, maintenance and storage

The Eartips are reusable. Although the lifetime of the Eartips is dependent on the individual body chemistries and use cases, Voxear recommendes and Eartip replacement schedule of 2 weeks and it is based on anticipated 40 insertions over a 2 weeks period.

Remoce surface debris from the Eartips. Usa a dry cloth such as a microfiber rag to wipe/sweep debris away. Other methods may work but have not been tested and approved by Voxear. As soon as you have any visual damage on the Eartips they should be replaced. Do not immerse the Eartips, Eartphones or Case in water and do not use solvents, disinfection, alcohol, detergents or abrasive material.

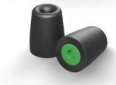
Eartips that are not mounted on the earphones is recommendd to be placed in the Eartip Box provided in the packaging. This is to avoid damage and detoriation during storage. The Eartips shelflife is 3 years with optimal storage conditions.

Voxear Protect

Earphone

Case

Articles in package and spare part numbers

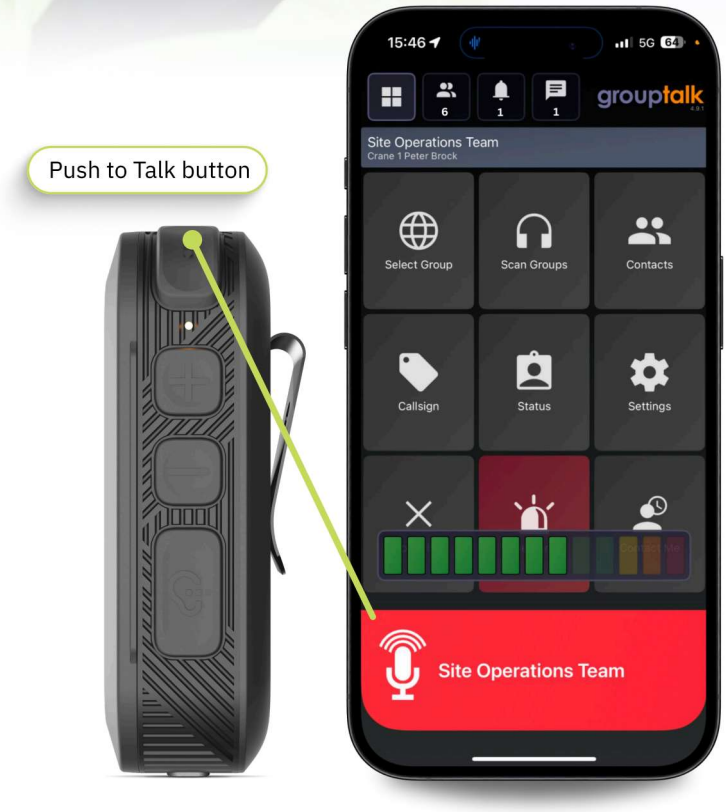
Article number	Product	Description	Package	Unit	
100100	Voxear Protect	Hearing protector with charging case and Earphones	In package	1 pcs	
100301	Voxear Eartip Foam Long Large	Very high attenuation SNR35, blue core canal, nominal diameter 9/13mm	In tipcase	1 pair	
100302	Voxear Eartip Foam Long Medium	Very high attenuation SNR35, red core canal, nominal diameter 8/12 mm	In tipcase	1 pair	
100303	Voxear Eartip Foam Long Slim	Very high attenuation SNR35, green core canal, nominal diameter 7/10 mm	In tipcase	1 pair	
100304	Voxear Eartip Foam Short Large	High to medium attenuation SNR29, purple core canal, nominal diameter 8/12 mm	In tipcase	1 pair	
100305	Voxear Eartip Foam Short Medium	High to medium attenuation SNR29, black core canal, nominal diameter 7/11 mm	In tipcase	1 pair	
100306	Voxear Eartip Foam Short Slim	High to medium attenuation SNR29, white core canal, nominal diameter 7/10 mm	In tipcase	1 pair	
100307	Voxear Silicone Eartip Large	High to medium attenuation SNR29, triple flange large, nominal diameter 7/12 mm	In tipcase	1 pair	
100308	Voxear Silicone Eartip Small	High to medium attenuation SNR29, triple flange small, nominal diameter 6/11 mm	In tipcase	1 pair	
100400	USB-C Charging cable (C to C)	Data cable 50 cm	In package	1 pcs	
100401	Voxear Earphone Silicone Hanger	70 cm long made of elastic silicon	In package	1 pcs	

Voxear Protect and PTT over Cellular with GroupTalk

With GroupTalk you are always ready to communicate with your colleagues whenever you need to get the job done. GroupTalk offer business critical Push to Talk (PTT) communication, using iOS and Android smartphones as walkie talkies. GroupTalk solution offer real-time group communication with just one push of a button. Voxear Protect is compatible with GroupTalk and can be paired together. The Voxear Protect Multifunction button on the case is used as a Push to Talk button, so no need for users to handle the smartphone while working.

Use GroupTalk on any device, any network and anywhere. Your work is demanding, staying connected with your team shouldn't be. With millions of voice transmissions every month, GroupTalk is trusted by customers worldwide. Stay connected effortlessly so you can focus on what truly matters.

- ✓ High comfort
- ✓ Communication
- ✓ Protected from noise



Try Voxear Protect for existing GroupTalk users

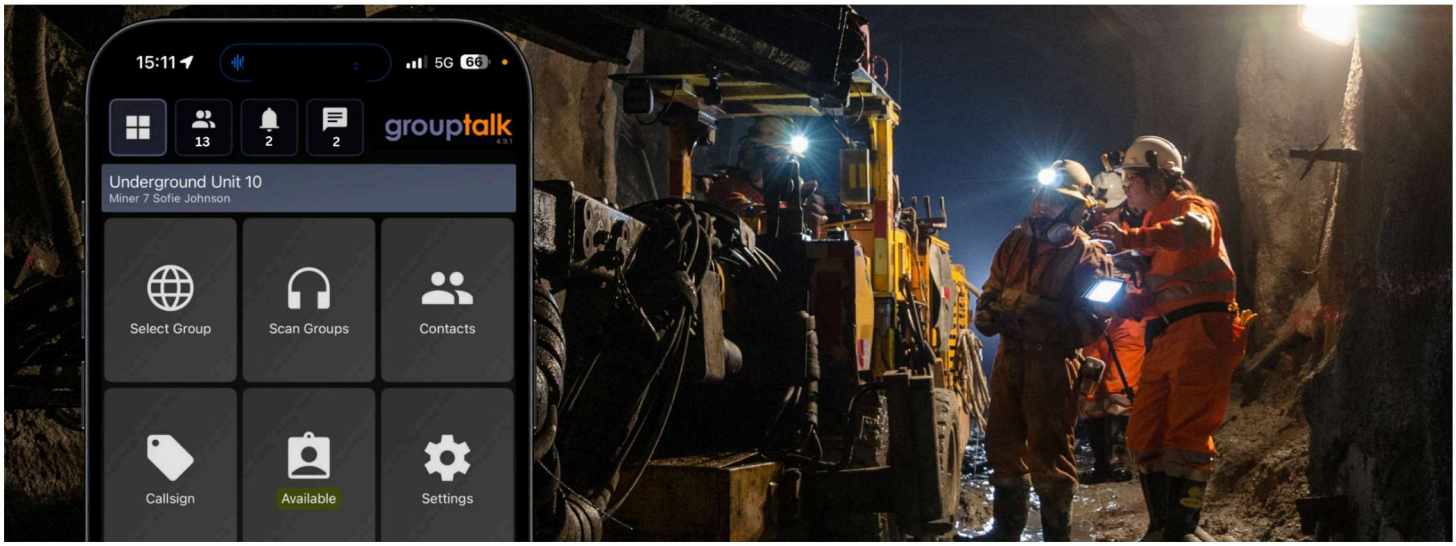
Verify that you have the latest version of the GroupTalk app. **First time using the product?** Take out the earphones and remove the tape covering the charging pads. Place the earphones back into the case. It will automatically go into Bluetooth pairing mode. **OR If not the first time**, press and hold the reset button for 2 seconds. The LED will start flashing blue, indicating you have your earphones in pairing mode. The multifunction button activates different features. Long press (about 0.4 seconds) activates the PTT feature. Short press activates the media feature (streaming music or using other audio features).

Android setup guide:

1) Enable Bluetooth on your Android phone. **2)** In Android Settings > Bluetooth, select "Voxear Protect" in the list. **3)** Open the GroupTalk app, go to Settings, and activate Bluetooth audio. **4)** Press Back to return to the main screen. **5)** Use the Multifunction button on the case for Push to Talk in GroupTalk.

iOS setup guide:

1) Enable Bluetooth on your iPhone. **2)** In iPhone Settings > Bluetooth, select "Voxear Protect" in the list. **3)** Open the GroupTalk app, go to Settings, and activate Bluetooth audio. **4)** In Configure buttons, press the Multifunction button on the case. **5)** Select "Voxear PTT XXXX" in the “Available Devices” list. **6)** When the Bluetooth icon turns green, the connection is complete. **7)** Press Back > Home to return to the GroupTalk main screen. **8)** Use the Multifunction button on the case for Push to Talk.



Try Voxear Protect for new GroupTalk users

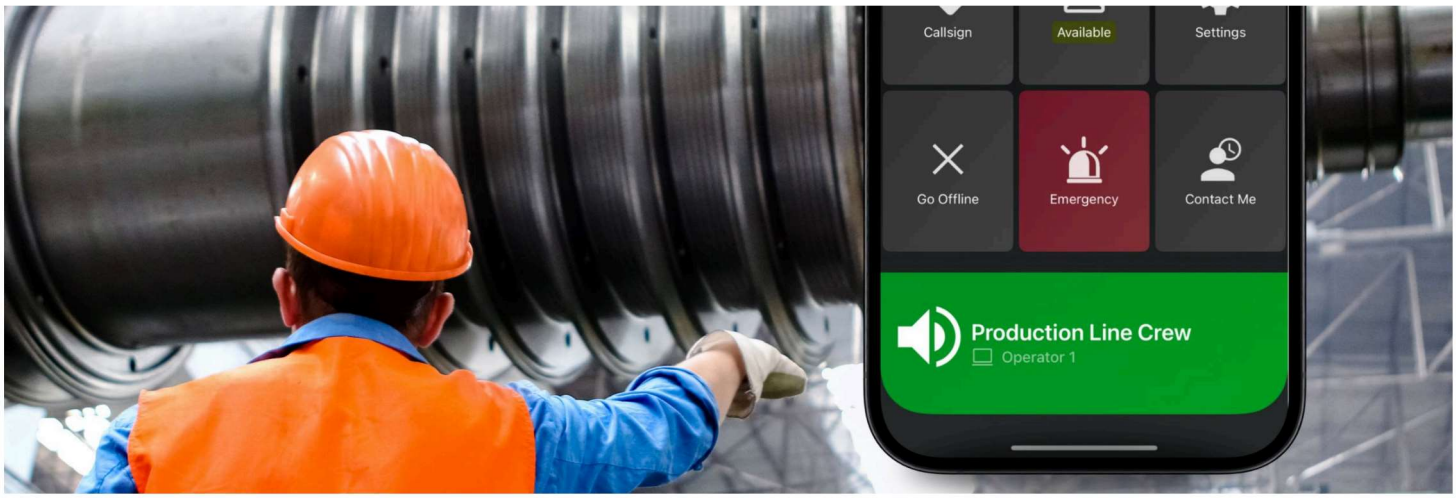
Don't have a GroupTalk account? Create a GroupTalk account for free by visiting grouptalk.com and follow the steps below!

1) Download the GroupTalk App in App Store or Google Play. **2)** Log in with SMS or Email, using your international phone number or work email. **3)** Enter the login code sent via SMS or email. **4)** Allow Bluetooth and microphone permissions. **5)** Click on "Select Group" and choose your PTT group. **6)** Setup complete!

Follow the steps at the top of the page to connect Voxear Protect earphones.

Get it On Google Play

Download on the App Store



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Voxear Technologies AB declares that the product is in compliance with Directive (EU)2016/425 and EN352-2:2020, EN357-2:2020, EN352-9:2020, EN352-10:2020 and other appropriate directives to fullfill the requirements for the CE marking. Voxear Technologies AB also declare that the PPE type headset is in compliance with the Regulation (EU) 2012/19/EU, the directive 2011/65/EU (RoHS) and (EU)2015/863 and the Radio Equipment Directive 2014/53/EU. The complete declaration of conformity is available at www.voxear.com.

Individual serial number is printed on the hinge, underneath the print on the inside of the case lid.
example VOX01IGXXXXXXX.

Responsible manufacturer:

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