

Synergy

Bluetooth®, Active Listening and AM/FM Radio.

Hearing protection with Bluetooth® for phone calls and streaming. The perfect hearing protector for those who rely on phone communication in their work. Synergy offers clear speech quality during calls even in the harshest noise environments.

1. Synergy Headband

Article nr: 49002-001

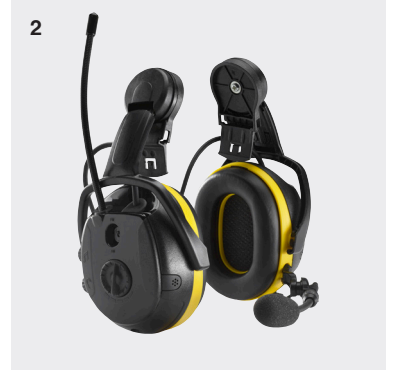
2. Synergy Helmet Mount

Article nr: 49102-001

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Overview/Features



Bluetooth®



Active Listening



AM/FM Radio



Boom microphone



USB charging



3,5 mm AUX

Hearing protection with Bluetooth® for phone calls and streaming. The Active Listening microphones ensures you can hear your colleagues, warning signals and other important information without having to remove your hearing protector.

Bluetooth®

Bluetooth® offers wireless connection to your mobile phone. Easy set-up and seamless connection. Make phone calls and stream your choice of sound entertainment without ever needing to compromise your safety.

Noise cancelling boom microphone

The noise-cancelling boom microphone allows clear communication even in extreme noise environments. The unique technology combined with advanced software algorithms ensure you are always heard at the receiver end, regardless of the background noise.

USB charging

Batteries are quickly charged with the included USB charging cable. Just plug it in to a USB source or use your mobile phone wall socket adaptor.

Designed for communication

The frequency response of the speaker is designed to always provide clear speech intelligibility, even when you are communicating in high noise.

Level Dependent Active Listening

Level-dependent microphones with Active Listening functionality in each ear cup lets you stay alert to your surroundings while still wearing your hearing protection. Communicate with your colleagues, and hear warning signals and other important sounds without ever compromising your safety and hearing.

AM/FM Radio

Latest generation AM/FM radio for an exceptional listening experience even in poor reception areas.

3,5mm AUX input

Sound sources and devices such as music players or two-way radios can be connected via the 3,5 mm audio input for listen-only purposes.

Side-tone function

When communicating in high noise environments, we tend to raise our voice because we can't hear ourselves. The "side-tone" function allows you to hear your own voice in the headset, helping to keep your voice at a normal speech level.

Adaptive Volume Control (AVC)

Automatically adjusts phone call volume based on the ambient sound level.

Technical data

- Operation temperature: -20/+55
- Battery type: AA
- Run-time: 62 hours
- Bluetooth® version: 4.1, A2DP 1.3, HSP 1.2, HFP 1.5
- Criterion level EN 352-4 H 99 dB, M 102 dB, L 97 dB
- Weight Headband: 459 g/ 16.2oz
- Weight Cap/Helmet Mount: 489g/17.3oz

Attenuation data EN

Synergy Headband; EN 352-1:2002, H-34dB, M-27dB, L-19dB, SNR 30dB

Frequency Hz	63	125	250	500	1000	2000	4000	8000
Mean Attenuation	15,0	15,1	19,8	28,0	34,1	36,7	42,7	41,9
Std. dev	4,5	3,4	2,4	3,1	3,7	4,2	4,1	3,5
APV	10,5	11,7	17,4	24,9	30,4	32,5	38,6	38,4

Synergy Helmet Mount; EN 352-3:2002, H-32dB, M-25dB, L-18dB, SNR 28dB

Frequency Hz	63	125	250	500	1000	2000	4000	8000
Mean Attenuation	16,1	16,4	19,2	24,6	33,1	35,8	40,1	39,4
Std. dev	3,5	2,9	4,0	3,1	2,9	5,2	5,4	6,1
APV	12,6	13,5	15,2	21,5	30,2	30,6	34,7	33,3

Attenuation data ANSI

Synergy Headband; ANSI S-3.19-1974: NRR 24. CSA Class A

Frequency Hz	125	250	500	1000	2000	3150	4000	6300	8000
Mean Attenuation	17.5	18.5	27.2	38.3	38.8	39.9	42.1	41.8	42.6
Std. dev	2.3	2.6	2.9	3.3	3.0	2.8	3.9	3.8	3.3

Synergy Cap/Helmet Mount; ANSI S-3.19-1974: NRR 25. CSA Class A

Frequency Hz	125	250	500	1000	2000	3150	4000	6300	8000
Mean Attenuation	17.7	20.6	29.3	34.5	37.4	39.2	41.1	41.6	37.8
Std. dev	2.8	2.3	2.5	3.1	2.6	4.0	3.1	3.5	4.6

Articles / Accessories

Part no	Description
26046-915	Spare Headband Electronics
26108-910	Spare Helmet Arm
99403-001	Hygiene Kit Secure Electronics
99900-001	Fresh Sweat Absorber
1059-001	Windshield Active Listening Microphones
16982-001	Boom Microphone
16999-001	Windshield Boom Microphone
39922-001	3,5 mm Stereo Connection Cable