Local 2

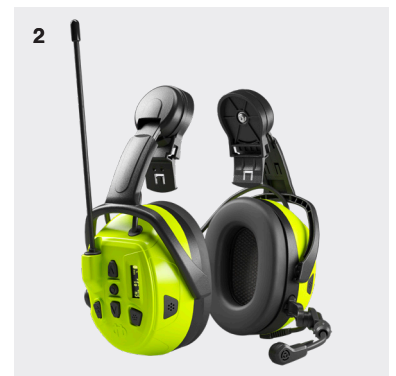## Two-Way Communication, Active Listening, Bluetooth, Mobile App

Local 2 is a hearing protector and wireless headset with a built-in communication radio. The license-free PMR 446 MHz technology enables efficient communication within a range of up to 3 km between an unlimited number of headsets or workgroups. For increased accessibility and safety Multi-Point Bluetooth® technology is integrated into the headset, for connecting up to two mobile phones.

1. Local 2 Headband
Article nr: 85002-001

2. Local 2 Helmet Mount
Article nr: 85102-001

Overview/Features

The noise cancelling boom microphone provides crystal clear speech quality even in high background noise, and the active listening microphones let you hear what's going on around you.

With the Hellberg mobile app you gain access to even more functions, such as creating workgroups and adjusting safety settings.

- Hellberg SafetyHub App
- Active Listening
- Two-way communication
- Boom microphone
- Bluetooth®
- Multi-Point

Hellberg SafetyHub App
With the Hellberg mobile app, you can control the Local 2 directly from the app. Create workgroups with unique channels and settings, allow or limit certain functions, set rules and conditions for workgroups. Available for iPhone and Android devices.

Built-in Communication Radio
A com-radio is built into the hearing protector for two-way communication between an unlimited number of Local headsets.

16 Licence-Free Radio Channels (PMR 446)
Easy to get started with pre-set and licence-free channels. Compatible with other units operating on PMR 446 MHz.

Group Communication with Sub Channels
Sub channels enables multiple groups to use the same channel without disturbing each other.

Multi-Point Bluetooth® Technology
Bluetooth® offers wireless connection to your mobile phone. Make phone calls and stream your choice of sound entertainment without ever needing to compromise your safety.
Multi-point technology lets you pair two phones at the same time.

Delivered with 2 sets of battery packs
Never run out of power. Local 2 is delivered with two sets of rechargeable battery packs. With one set on charge and one powering the headset, you can switch in between them for infinite run time. Purchase an additional battery pack and keep in your pocket as an extra back-up.

Intuitive User Interface
Easy operation with ergonomically designed push buttons, a guide voice that helps you with the settings and an OLED display to check the setup before starting the day's work.

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.

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.

USB Charging
Batteries are quickly charged with the included USB charging cable. Use the included rechargeable batteries or keep an extra pair if you forgot to charge the headset.

Water- and dustproof to IP56
Tested and approved to IP56, meaning that its protected against dust and pressurized water from any direction.

Speakers Designed for Voice Communication
The speakers are designed with focus on excellent sound quality in the frequency range of the human voice, for clear speech intelligibility even in extreme noise environments.

Battery Power-save Function
Automatically shuts off the unit after a period of inactivity or no movement. Helps to avoid draining the battery if you forgot to turn it off at the end of the working day.

Technical data

- Radio standard: PMR 446 MHz (EU)
- Channel separation: 12,5 kHz
- Modulation: FM
- Number of channels: 16
- Sub channel coding: CTCSS
- Number of Sub channels: 38
- Transmit power: 150/50/10 mW ERP
- Range: Max 3 km line of sight
- Receiver sensibility: Typical - 120 dBm
- Bluetooth®: 5.0, A2DP 1.3.2, HSP 1.2, HFP 1.7.2, AVRCP 1.6.2
- Power supply: Li-Ion
- Weight: 513 g Headband, 547 g Helmet Mount
- Battery operation time: 12 hours normal operation
- Battery standby time: 20 hours
- Battery charging time: Up to 5 hours
- Water and dust resistance: IP 56
- Approvals: EN352, RED, ROHS, REACH, WEEE
- Operating temperature: -20 °C to +55 °C

Radio Channels (MHz)

Ch	Frequency	Ch	Frequency	Ch	Frequency	Ch	Frequency
1	446.0062	5	446.05625	9	446.10625	13	446.15625
2	446.01875	6	446.06875	10	446.11875	14	446.16875
3	446.03125	7	446.08125	11	446.13125	15	446.18125
4	446.04375	8	446.09375	12	446.14375	16	446.19375

Sub channels CTCSS (Continuous Tone Coded Squelch System)

Ch	Frequency	Ch	Frequency	Ch	Frequency	Ch	Frequency	Ch	Frequency	Ch	Frequency
1	67.0	8	88.5	15	110.9	22	141.3	29	179.9	36	233.6
2	71.9	9	91.5	16	114.8	23	146.2	30	186.2	37	241.8
3	74.4	10	94.8	17	118.8	24	151.4	31	192.8	38	250.3
4	77.0	11	97.4	18	123.0	25	156.7	32	203.5		
5	79.7	12	100.0	19	127.3	26	162.2	33	210.7		
6	82.5	13	103.5	20	131.8	27	167.9	34	218.1		
7	85.4	14	107.2	21	136.5	28	173.8	35	225.7		

Technical data

Attenuation data EN

Local 2 Headband; EN 352-1:2020, H-32dB, M-28dB, L-22dB, SNR 30dB

Frequency Hz	63	125	250	500	1000	2000	4000	8000
Mean Attenuation	18,5	19,1	21,7	26,2	36,6	36,1	35,6	36,5
Std. dev	3,7	3,3	2,6	2,8	3,1	5,1	4,1	4,3
APV	14,8	15,8	19,1	23,4	33,5	31,0	31,5	32,2

Local 2 Helmet Mount; EN 352-3:2020, H-34dB, M-27dB, L-22dB, SNR 30dB

Frequency Hz	63	125	250	500	1000	2000	4000	8000
Mean Attenuation	18,6	18,5	21,4	23,7	33,4	35,6	37,8	38,9
Std. dev	3,9	3,7	1,9	2,5	2,9	2,8	2,5	4,6
APV	14,7	14,8	19,5	21,2	30,5	32,8	35,3	34,3

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
39927-001	USB charging cable Local
17018-011	Battery pack Li-Ion Local 2
17112-001	Battery pack gasket
17193-001	Charger EU
17193-007	Charger UK

The full text of the declaration of conformity is available at: hellbergsafety.com/declaration-of-conformity
85x02-001_24/02

4