

SAVOX

Savox Noise-COM 500 series

Hearing protector headset with wireless Bluetooth 5.0 technology for hands-free calling and entertainment audio.

Key features

- Wireless connection to **Bluetooth®** enabled devices (Bluetooth 5.0 and profiles: HFP, HSP, A2DP)
- Ambient sound with audio profiles (NC-500XP)
- Voice prompted menu
- Build-in rechargeable battery
- Professional two-way radio PTT compatibility
- Easy accessible rotary button for push-to-talk and ambient sound volume adjustment
- Unique casting technique protects the electronics for maximum reliability
- Noise-Cancelling boom microphone
- Low battery warning and automatic switch off
- Made in Finland

Market Segment Industry

Product codes

Savox Noise-COM 500	K6010100010
Savox Noise-COM 500 Cap	K6010100020
Savox Noise-COM 500XP	K6011100010
Savox Noise-COM 500XP Cap	K6011100020

Hygiene kit 6008250 (NC-500 Series)

Weight

Headband	375g
Cap	371g

Ambient sound profiles

Default	Setting with frequency range optimized for most noise environments. Amplifies speech frequencies for safety reasons.
Narrowband	Limited frequency range for most demanding noise environments. Only speech frequencies are reproduced by the user.
Neutral	Wide frequency range for best situational awareness.



Materials

Cups	ABS+PA
Cushions	Flexible foam
Headband models	Spring steel, cover material PVC foil with foam filling
Helmet mounted models	Plastic and stainless steel (adjustment)

Operating times

Savox Noise-COM 500	90 hours
Savox Noise-COM 500 Cap	90 hours
Savox Noise-COM 500XP	80 hours
Savox Noise-COM 500XP Cap	80 hours

Recharge time 5 hours

Two-way radio Bluetooth® compatibility

Motorola	MotoTRBO E-series, R7, TLK-100/150
Tait	TP9000 series
Kenwood	NX-3200/3220/3300/3320/5200/5300/3720/3820/5700(B)/5800(B)
Hytera	H-series, X1 and other Hytera models with Bluetooth
Sepura	STP8000/9000, SC2020, SC21
ICOM	F52/62, F3400/F4400
Calta	PH600 series

Savox Communications Oy Ab (Ltd)

Keilaranta 15 B
02150 Espoo, Finland

The product fulfills the requirements of the following Regulations and Directives

Regulation on Personal Protective Equipment 2016/425/EU
Electromagnetic compatibility (EMC)
Radio Equipment Directive 2014/53/EU

Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment 2011/65/EU + (EU) 2015/863

CE marking is based on the fulfilling of the requirements of the following harmonized standards:

PPE: EN 351-1:2020
EN 352-3:2020
EN 352-4:2020
EN 352-6:2020
EN 352-8:2020

RED: EN 300328 v2.2.2
EN 301489-1 v2.2.3
EN 301489-17 v3.2.4
EN 55032:2015
EN 55032:2015
EN 62368-1:2014

RoHS: 63000:2018

Hearing Protector Attenuation

Headband SNR=29dB, H=32dB, M=26dB, L=19dB
Cap SNR=29dB, H=32dB, M=27dB, L=20dB

Cushion pressure

Headband S = 3071.1 P, M = 3033.7 P, L = 3014.8
Cap S = 2652.1 P, M = 2984.7 P, L = 2895.6

Headband force

Headband S=10 N, M=10,4 N, L=10,5 N
Cap S=8,7 N, M=10,2 N, L=10,3 N

Level dependent criterion levels according to EN 352-4:2020

L-Criterion 101.0 dB(A)
M-Criterion 110.0 dB(A)
H-Criterion 116.3dB(A)

Hearing Protector Attenuation

Noise-COM 500 Noise-COM 500XP		(mass: 375g) (mass: 375g)		TESTED IN ACCORDANCE WITH EN 352-3:2020					
Frequency, Hz	63	125	250	500	1000	2000	4000	8000	
Mean Att., dB	17,7	15,1	19,3	26,6	34,9	32,1	41,2	38,3	
Std. dev., dB	2,8	2,8	2,7	3,6	3,2	3,0	3,9	4,4	
Mean - SD	14,8	12,3	16,6	23,0	31,7	29,1	37,3	33,9	
Headband force S		Headband force M			Headband force L				
10,0 N		10,4 N			10,5 N				
SNR	SNR _m	SNR _s	H84 (dB)		M84 (dB)		L84 (dB)		
29 dB	30,7 dB	2,1 dB	32		26		19		
			H _m	H _s	M _m	M _s	L _m	L _s	
			34,6	2,4	28,5	2,2	21,4	2,4	

Noise-COM 500 Cap Noise-COM 500XP Cap		(mass: 371g) (mass: 371g)		TESTED IN ACCORDANCE WITH EN 352-3:2020					
Frequency, Hz	63	125	250	500	1000	2000	4000	8000	
Mean Att., dB	18,4	16,8	20,6	28,5	33,5	32,2	41,9	38,0	
Std. dev., dB	3,5	3,4	3,3	2,9	2,7	2,8	3,8	5,9	
Mean - SD	14,9	13,4	17,3	25,6	30,8	29,4	38,1	32,0	
Headband force S		Headband force M			Headband force L				
8,7 N		10,2 N			10,3 N				
SNR	SNR _m	SNR _s	H84 (dB)		M84 (dB)		L84 (dB)		
29 dB	31,9 dB	2,8 dB	32		27		20		
			H _m	H _s	M _m	M _s	L _m	L _s	
			34,7	2,8	29,7	2,7	23,0	3,0	

These earmuffs attached to head protection and/or face protection devices shall be fitted to, and used only with, following carriers:

3M G3000, Sizes S, M, L
Petzl Vertex, Sizes S, M, L
Uvex Pheos, Sizes S, M, L
3M SecureFit X5000/X5500, Sizes S, M, L
Skylotec Inceptor Sizes S, M, L

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SAVOX

Savox Noise-COM 520XP series

Hearing protector headset with wireless **Bluetooth 5.0** technology for hands-free calling and entertainment audio. SAVOX Noise-COM 520, Noise-COM 520 Cap can be connected to two Bluetooth devices at the same time. Level dependent ambient sound reproduction protects your hearing from harmful noise while warning signals, speech, instructions and other signals in lower levels of noise can be heard.

Key features

- Wireless connection to **Bluetooth®** enabled devices (Bluetooth 5.0 and profiles: HFP, HSP, A2DP)
- Can be connected to two Bluetooth devices at the same time (voice will be heard on both devices)
- Ambient sound with audio profiles (NC-520XP, NC-520XP Cap)
- Voice prompted menu
- Build-in rechargeable battery
- Professional two-way radio PTT compatibility
- Easy accessible rotary button for push-to-talk and ambient sound volume adjustment
- Unique casting technique protects the electronics for maximum reliability
- Noise-Cancelling boom microphone
- Low battery warning and automatic switch off
- Made in Finland

Market Segment Industry, Mining, Construction sites, Airports

Product codes

Savox Noise-COM 520XP K6021100010
Savox Noise-COM 520XP Cap K6021100020

Hygiene kit 6008252

Ambient sound profiles

Default	Setting with frequency range optimized for most noise environments. Amplifies speech frequencies for safety reasons.
Narrowband	Limited frequency range for most demanding noise environments. Only speech frequencies are reproduced by the user.
Neutral	Wide frequency range for best situational awareness.



Weight

Headband	452g
Cap	445g

Materials

Cups	ABS+PA
Cushions	Flexible foam
Headband models	Spring steel, cover material PVC foil with foam filling
Helmet mounted models	Plastic and stainless steel (adjustment)

Operating times

Savox Noise-COM 520XP	80 hours
Savox Noise-COM 520XP Cap	80 hours

Recharge time 5 hours

Two-way radio Bluetooth® compatibility

Motorola	MotoTRBO E-series, R7, TLK-100/150
Tait	TP9000 series
Kenwood	NX-3200/3220/3300/3320/5200/5300/3720/3820/5700(B)/5800(B)
Hytera	H-series, X1 and other Hytera models with Bluetooth
Sepura	STP8000/9000, SC2020, SC21
ICOM	F52/62, F3400/F4400
Caltta	PH600 series

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RED: EN 300328 v2.2.2
EN 301489-1 v2.2.3
EN 301489-17 v3.2.4
EN 55032:2015
EN 55032:2015
EN 62368-1:2014

RoHS: 63000:2018

Hearing Protector Attenuation

Headband SNR=31dB, H=32dB, M=29dB, L=24dB
Cap SNR=29dB, H=28dB, M=27dB, L=23dB

Cushion pressure

Headband S = 2925,9, M = 2956,7 P, L = 2997,4
Cap S = 2484,2 P, M = 2645,4 P, L = 2707,4

Headband force

Headband S=10,2 N, M=10,9 N, L=11,0 N
Cap S=9,8 N, M=10,7 N, L=11,2 N

Level dependent criterion levels according to EN 352-4:2020

L-Criterion 101.0 dB(A)
M-Criterion 110.0 dB(A)
H-Criterion 116.3dB(A)

Hearing Protector Attenuation

Noise-COM 520XP (mass: 452g)		TESTED IN ACCORDANCE WITH EN 352-3:2020							
Frequency, Hz	63	125	250	500	1000	2000	4000	8000	
Mean Att., dB	24,0	22,1	23,3	31,7	32,7	33,8	41,6	43,6	
Std. dev., dB	3,4	2,5	2,7	3,7	3,6	3,9	3,7	3,6	
Mean - SD	20,5	19,5	20,6	28,0	29,1	29,9	37,9	40,0	
Headband force S		Headband force M			Headband force L				
10,2 N		10,9 N			11,0 N				
SNR	SNR _m	SNR _s	H84 (dB)		M84 (dB)		L84 (dB)		
31 dB	33,7 dB	2,2 dB	32		29		24		
			H _m	H _s	M _m	M _s	L _m	L _s	
			35,5	3,0	31,3	2,3	26,4	2,4	

Noise-COM 520XP Cap (mass: 442g)		TESTED IN ACCORDANCE WITH EN 352-3:2020							
Frequency, Hz	63	125	250	500	1000	2000	4000	8000	
Mean Att., dB	20,0	20,5	24,1	29,8	33,8	29,0	41,3	40,2	
Std. dev., dB	2,8	3,5	3,6	4,3	3,7	3,6	4,8	3,9	
Mean - SD	17,8	17,0	20,4	25,5	30,0	25,4	36,6	36,2	
Headband force S		Headband force M			Headband force L				
9,8 N		10,7 N			11,2 N				
SNR	SNR _m	SNR _s	H84 (dB)		M84 (dB)		L84 (dB)		
29 dB	32,0 dB	2,9 dB	28		27		23		
			H _m	H _s	M _m	M _s	L _m	L _s	
			31,9	3,6	30,3	2,9	25,8	2,8	

These earmuffs attached to head protection and/or face protection devices shall be fitted to, and used only with, following carriers:

3M G3000, Sizes S, M, L
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Skylotec Inceptor GRX, Sizes S, M, L
3M Securefit X5000/X5500, Sizes M, L
Uvex Pheos, Sizes M, L
Kask Zenith, Sizes M, L

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