

Supreme Pro WW headset

[Technical Data sheet]



Foldable headband

Key features

- Wireless two-way communication headset using Bluetooth® technology
- Slim cup design and foldable headband
- Easy to use push buttons operates the electronic functions
- Level Dependent function that allow you to hear ambient sound like warning signals, moving vehicles and important information and still be protected from hazardous noise
- Very natural sound reproduction through the speakers inside the cups
- Amplification of low sounds
- Sound reproduced through the level dependent function is limited to a maximum of 82 dB
- Automatic switch-off after 4 hours if no button is activated saves battery life
- Low battery warning when approximately 40 hours is left of the battery life
- Noise cancelling boom microphone

Materials

Headband: ABS / stainless spring steel Headband padding: Leather	Cups: ABS	Inserts: Polyether foam Sealing cushion: PVC / PU foam
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Technical information

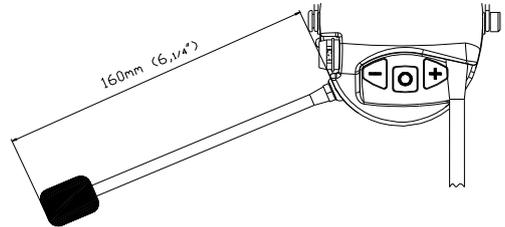
Batteries:	2 x 1.5 V AAA/LR03, estimated operating time is around 150-600 hours depending on usage (speak/stand-by mix)
Level Dependent microphone frequency response:	100 Hz – 10 KHz
Loudspeakers / loudspeaker response:	2 x 32 Ohm / 20 Hz – 20 KHz
Operating conditions:	- 20°C - + 50°C
Max audio signal allowed from the connected radio to not exceed 82 dB(A) through the speakers:	242 mVrms
Bluetooth® frequency band	2.4-2.5 GHz (license free ISM band)
Communication mode	Full duplex
Output	1 mW (0 dBm)
Approximate range	10 meter (0 dBm)
Transfer rate	1 Mbit/second
Frequency hopping	1600 times/second
Bluetooth® profile version/hands-free profile	1.1/1.00m
Bluetooth® compliance	EN 60 950 (electrical safety, low-voltage directive) EN 300 328-2 (radio test) FCC part 15/RSS-210/ICES-003 (US/Canada)
Weight headband/neckband version, excluding batteries:	340 gram
Complies with following environmental directives:	RoHS, WEEE

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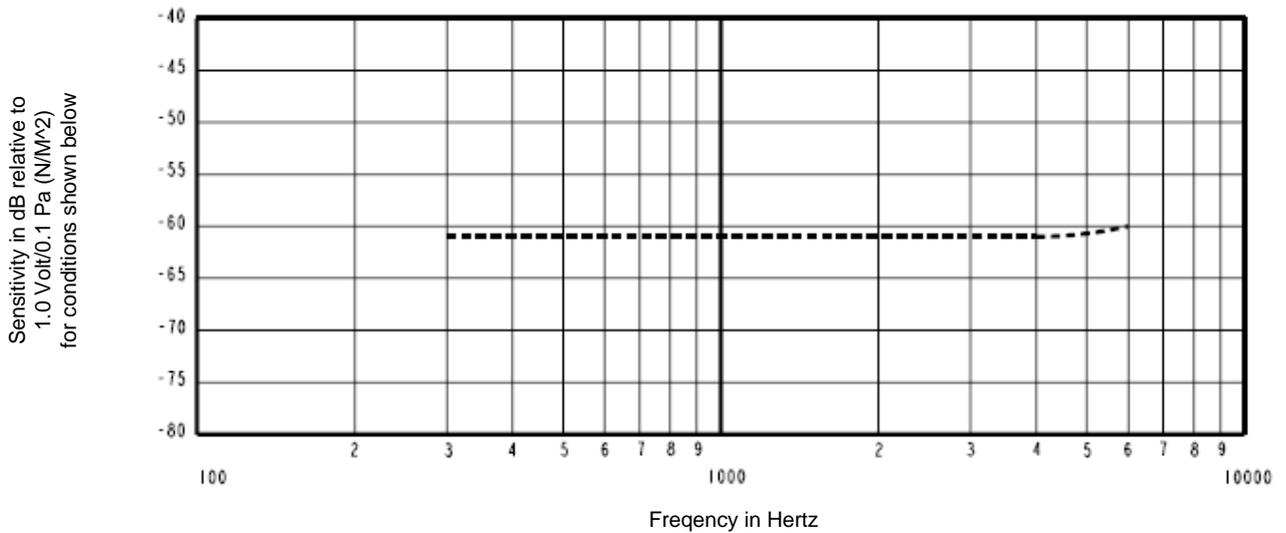
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Boom microphone

- Electret microphone with flexible boom arm (160 mm long)
- Robust microphone designed for tough environments
- Excellent noise cancelling function



Characteristics:



Notes:

1. Microphone to be functional with 10 VDC supply.
2. Sensitivity values indicated on this specification are valid at 50% humidity.
3. Sensitivity:

Frequency (Hz)	Min	Nom	Max
300	-65.0	-61.0	-57.0
1000	-64.0	-61.0	-58.0
4000	-65.0	-61.0	-57.0

4. Test conditions:

Head of boom exposed to 94 dB SPL swept sound field at 6 mm from voice aperture.
Artificial voice: B & K 4227 mouth simulator.



Lead identification & test circuit

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EN approvals

Tested and certified to EN352-1:2002, EN352-4:2001/A1:2005 and EN352-6:2002 by BGIA, Germany (0121).



Frequency Hz	63	125	250	500	1000	2000	4000	8000
Mean attenuation, M_f (dB)	14.5	13.5	15.5	23.7	24.1	30.4	36.6	38.6
Stand. Deviation, s_f (dB)	2.8	3.2	1.9	3.9	2.7	3.2	4.4	4.2
APV ($M_f - s_f$) (dB)	11.7	10.3	13.6	19.8	21.4	27.2	32.2	34.4

H=28 dB, M=21 dB, L=16 dB, SNR=25 dB

Criterion levels:

	H	M	L
Criterion Levels [dB(A)]	110	103	95

Ear muff sizing:

	Approved Sizes
Headband	M, L

EMC tested to EN55022 and EN55024.

ANSI approvals

Tested to ANSI S3.19-1974 by Michael & Associates, Inc., USA.

ATTENUATION DATA

Frequency Hz	125	250	500	1000	2000	31500	4000	6300	8000
Mean attenuation (dB)	15.6	19.0	26.4	27.0	27.8	35.1	41.5	43.0	43.8
Stand. Deviation (dB)	3.6	2.2	2.0	2.4	2.3	2.0	4.0	2.1	2.7

NNR = 21 dB

Ordering information

Product number	Version	Cup colour	Cushion	Boom mic assembly
SOR75318	Foldable headband	Green	Foam	Left cup

Hygiene kit:

SOR60089	Hygiene kit foam – 1 pair of foam cushions and 1 pair of inserts
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