

Supreme MIL CC headset, Dual Com, Nexus AP117BR

[Technical Data sheet]



Headband version



Neckband version

Key features

- Dual Com headset, for connection to two communication radios
- Slim cup design
- Available both as a foldable headband version and a neckband version
- 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
- Available with green or black cups
- 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

Special features

- Water proof level dependent microphones. The product is immersed in 1.0 meter (3 feet) of salt water for 30 minutes without losing level dependent performance.
- A shield box over critical components adds extra RFI protection
- Two speakers in each cup gives fully independent dual earphone system for level dependent function (talk through) and external radio signal:
 - ⇒ one speaker is directly connected to the radio communication and operates even if the unit is turned off or runs out of battery
 - ⇒ the other speaker reproduce the sound coming from the level dependent function
- Dual Com function – the call from one radio is heard in the right cup and the call from the other radio is heard in the left cup

Materials

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

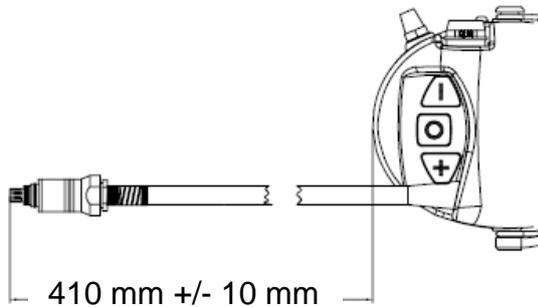
Batteries:	2 x 1.5 V AAA/LR03, estimated operating time is around 600 hours
Level Dependent microphone frequency response:	100 Hz – 10 KHz
Loudspeakers / loudspeaker response:	4 x 32 Ohm / 20 Hz – 20 KHz
Operating conditions:	- 20°C - + 50°C
Max audio signal allowed from the connected radio to not exceed 82 dB(A) through the speakers:	242 mVrms
Weight headband/neckband version, excluding batteries:	400 gram/350 gram
Complies with following environmental directives:	RoHS, WEEE

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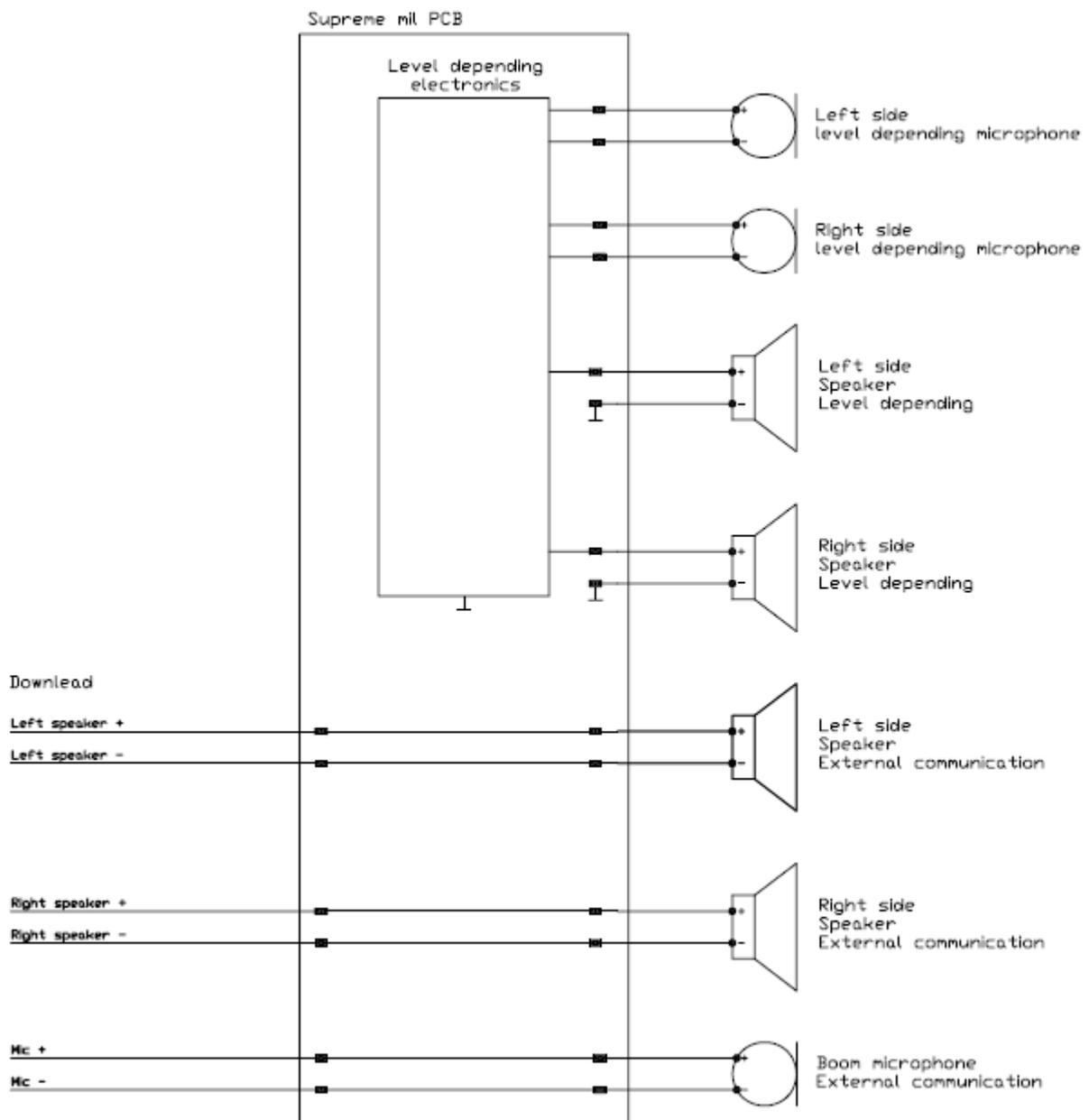
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Down lead

- Heavy duty down lead (410 mm long) with a water proof Nexus 7-pole AP117BR connector
- Each wire is shielded individually

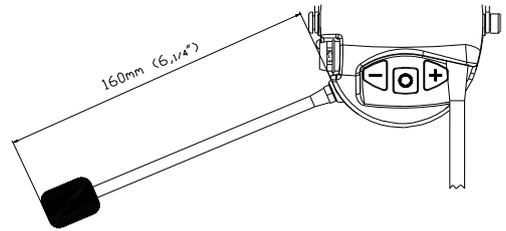


Wiring diagram

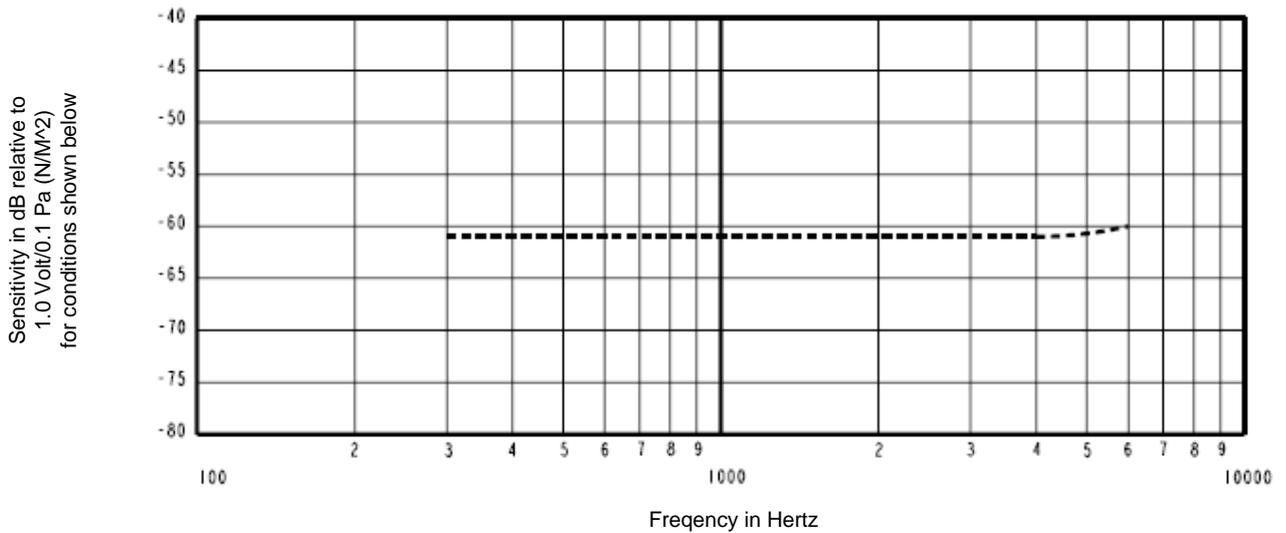


Boom microphone

- 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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Hygiene kit



Hygiene Kit:

Consists of 1 pair of sealing cushions and 1 pair of attenuation foam inserts

EN approvals

Tested and certified to EN352-1:2002, EN352-4:2001 and EN352-6:2002 by FIOH, Finland (0403). Certificate number: 26128ROS02



ATTENUATION DATA

Headband version

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

Neckband version

Frequency Hz	63	125	250	500	1000	2000	4000	8000
Mean attenuation, M_f (dB)	12.8	11.0	16.0	23.0	24.6	27.4	38.8	41.1
Stand. Deviation, s_f (dB)	4.6	3.9	2.1	2.0	3.1	3.1	3.8	3.7
APV ($M_f - s_f$) (dB)	8.2	7.1	13.9	21.0	21.6	24.3	34.9	37.3

H=26 dB, M=21 dB, L=15 dB, SNR=24 dB

Criterion levels:

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

Ear muff sizing:

	Approved Sizes
Headband	M, L
Neckband	S, M, L

EMC tested to EN55022 and EN55024.

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ANSI approvals

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

ATTENUATION DATA

Headband version

Frequency Hz	125	250	500	1000	2000	31500	4000	6300	8000
Mean attenuation (dB)	15.6	17.4	26.7	28.3	30.3	34.3	39.1	40.4	42.0
Stand. Deviation (dB)	2.9	1.8	3.7	2.9	3.1	3.6	3.6	3.1	4.4

NNR = 21 dB

Neckband version

Frequency Hz	125	250	500	1000	2000	31500	4000	6300	8000
Mean attenuation (dB)	16.6	17.5	25.7	28.6	30.8	34.8	36.8	40.5	41.1
Stand. Deviation (dB)	2.7	2.1	3.8	3.3	4.0	3.3	4.1	3.3	4.6

NNR = 20 dB

Ordering information

Product number	Version	Cup colour	Cushion	Boom mic assembly
SOR75332-09	Headband	Black	Foam	Left cup
SOR75332-08	Headband	Green	Foam	Left cup
SOR76332-09	Neckband	Black	Foam	Left cup
SOR76332-08	Neckband	Green	Foam	Left cup
Hygiene kit:				
SOR60089	Hygiene kit foam – 1 pair of foam cushions and 1 pair of inserts			