



RA4000 MAGNATM

High Noise Environment Headset

BEST IN CLASS HEARING

RA4000 Magna[™] digital headset delivers best-in-class hearing protection, communication intelligibility and situational awareness.

The RA4000 Magna™ headset offers unprecedented performance in hearing protection, communications intelligibility, high reliability, and versatility, for outstanding overall value. As a complete solution, it offers modular, customisable, and upgradeable features and accessories to match specific task requirements and extend useful life.







KEY BENEFITS

HEARING PROTECTION SITUATION AWARENESS SPEECH INTELLIGIBILITY TECHNOLOGIES

3D DIGITAL ANR

BENEFITS & EXTRAS

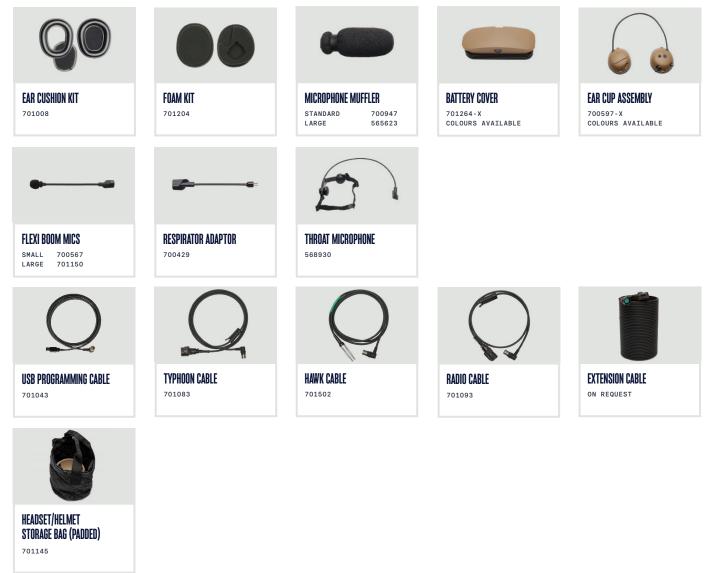
RA4000 Magna[™] High Noise Environment Headset

BENEFITS

- Work safer for longer Active Noise Reduction (ANR) SNR 34 dB
- High intelligibility binaural communications in high noise
- Binaural talk-through for accurate situational awareness
- Remain protected ANR runs on integral AA battery
- High reliability in harsh and wet environments - IP68 immersible
- Easy to use ergonomic PTT, mode and volume controls
- Connect to any communication system with detachable downleads
- Common hardware with software defined feature set - upgradeable



ACCESSORIES & ADD-ONS





SPECIFICATION

WEIGHT ON THE HEAD	(25 g (22 gunges))
WEIGHT ON THE HEAD	635 g (23 ounces)
HEADBAND FORCE (ADJUSTABLE)	12.2/14.5 N (2.7/3.3 pounds)
COMMUNICATION MODES	Mono, Stereo, Programmable
FREQUENCY RESPONSE	100 Hz to 10 kHz
INPUT IMPEDANCE	up to 500 Ω
INPUT RANGE	Programmable up to 5V
COMMS SENSITIVITY	Programmable up to 114 dB SPL
REMOVABLE BOOM MICROPHONE	150 Ω dynamic noise cancelling, antimagnetic, immersible
MICROPHONE SENSITIVITY	Sensitivity -90 dB
MICROPHONE OUTPUT RANGE	Programmable up to 1.5 V
ACTIVE NOISE REDUCTION (ANR)	Advanced digital ANR, battery or external powered
BINAURAL TALK-THROUGH	Digital compression to 85 dBA, battery or external powered
PTT SWITCH	3 positions, located on left earshell
TALK-THROUGH VOLUME CONTROL	Off/on, adjustable -6/0/+6/+12 dB
COMMS VOLUME CONTROL	Adjustable -6/0/+6/+12 dB

RA4000 Magna™ High Noise Environment Headset

EXTERNAL POWER	4.5 to 36 VDC, 1 W (3.5 W peak inrush)
INTERNAL POWER	1 x AA 1.5 V cell
INTERFACE CABLE	Detachable, configured and terminated to suit equipment requirements
COMPATABILITY	Radios, intercoms, smart phones
TEMPERATURE	-40° / +65°C operating -57° / +71°C storage
IMMERSION	IP68, 1.1 meter for 2 hours
ELECTROMAGNETIC CONFORMITY	EN61000, MIL-STD-461F 50 V/m, EN55022, EN55024, ESD
SAFETY	EN60950-1
NOISE ATTENUATION	EN352, ANSI S3.19, ANSI S12.42, AS/NZS 1270
МТВЕ	42,710 hours
APPROVALS, DIRECTIVES	CE, LVD, RoHS, WEEE, PPE
ENVIRONMENTAL TESTS	EN60068, MIL-STD-810G

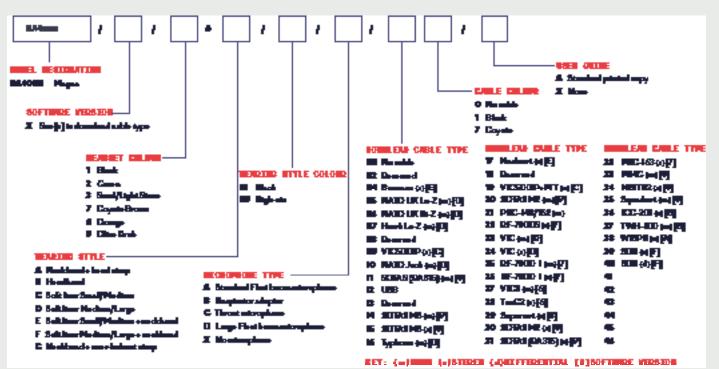
Certified to: shock, bump, impact, vibration, dust, sand, humidity, mist, salt fog, driving rain, immersion, solar, altitude, fungal and fluid contamination.

Attenuation RA4000 MAGNA™ headset with headband

FREQUENCY	HZ	63	125	250	500	1000	2000	4000	8000
MEAN	dB	21.0	26.2	32.4	32.2	36.2	38.0	39.5	37.5
STDEV	dB	3.6	2.9	3.8	3.5	4.9	2.8	6.1	4.7

SNR=34, H=34, M=31, L=28, NRR=30

PRODUCT PART NUMBERING SYSTEM



CONTACT INFORMATION

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