



Argonaut[®] DHPC

Double Hearing Protection with
Communications Headset

Extreme Noise Hearing Protection, Maximum Speech Intelligibility and Clear Communications

Exceptional in extreme ambient noise fields up to and exceeding 125 dB(A), with a 32 dB Noise Reduction Rating (NRR), the Aegisound Argonaut DHPC Headset provides double hearing protection and superior intelligibility for those working in the world's loudest military and industrial noise environments. The Argonaut DHPC Headset is compatible with multiple radio interfaces; the Digital Noise Canceling (DNC) microphone is boom mounted with a push to talk button. A muzzle is available to enhance speech communications.



Argonaut DHPC Headset



Gentex[®] Low Profile Custom
Communication Eartips (LPCCE)

KEY FEATURES

Clear Communication

Designed for maximum performance of two-way communications in military and harsh industrial noise fields. The patented active DNC microphone optimizes response to the noise field present providing greater than 75% speech intelligibility with boom microphone and > 88% speech intelligibility with muzzle mic @ 125 dB(A) broadband noise, per ANSI S3.2.

Hearing Protection

Double hearing protection is provided by custom molded earplugs or generic earplugs and the Argonaut headset for use in noise environments exceeding 125 dB(A).

The patented DNC microphone technology reduces noise transmitted through the microphone to listeners by more than 10 dB, preserving hearing and improving communication.

Durable Design

Environmentally rugged design capable of withstanding harsh military environments and EMI conditions. The Argonaut DHPC Headset can be powered by many military, industrial and general aviation radios, and Intercom Systems (ICS). No battery required for many applications.

Maximum Compatibility

The Argonaut DHPC Headset is compatible with:

- Gentex APC-2G Helmet
- HGU-25/P series legacy cranial
- Argonaut Communication Earplugs with:
 - Gentex LPCCE
 - Generic communication ear/canal tips
- Multiple radios and communication platforms

Contact Us

Aegisound is dedicated to developing fully integrated products that significantly improve hearing protection and communications for personnel operating in continuous, extreme noise environments, such as those found in the oil and gas, construction, military, heavy industrial, mining, metalworking, chemical and aerospace industries. For more information about the Aegisound Argonaut DHP Communication Headset, please contact Gentex at sales@gentexcorp.com or one of our authorized distributors through www.gentexcorp.com. Like us at [facebook.com/Gentexcorp](https://www.facebook.com/Gentexcorp) or follow us on Twitter @Gentex_Corp.

Gentex Corporation

645 Harvey Road, Road, Suite 102

Manchester, NH 03103

Tel: 603.657.1200

Fax: 603.657.1201

www.gentexcorp.com



Argonaut DHPC

KEY FEATURES CONTINUED

Compliance

- Compliant with sections of MIL-STD 810F, MIL-STD-461E, MIL-STD-464, etc.
- Certified to EMC directive 2004/108/EC

Argonaut DHPC with CEP-15 Earplugs and Custom Communication Eartips

| Frequency (Hz) | 125 | 250 | 500 | 1000 | 2000 | 3150 | 4000 | 6300 | 8000 |
|--------------------------|------|------|------|------|------|------|------|------|------|
| Mean Attenuation in dB | 38.4 | 39.0 | 42.9 | 42.0 | 42.7 | 49.7 | 49.6 | 48.3 | 48.9 |
| Standard Deviation in dB | 6.7 | 5.5 | 5.8 | 4.0 | 4.7 | 4.5 | 4.1 | 4.7 | 3.4 |

Test data collected per ANSI S3.19- 1974

Argonaut DHPC with CEP-15 Earplugs and Gentex LPCCE

| Frequency (Hz) | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
|--------------------------|------|------|------|------|------|------|------|
| Mean Attenuation in dB | 39.1 | 38.3 | 44.6 | 42.0 | 44.0 | 47.9 | 47.9 |
| Standard Deviation in dB | 3.4 | 3.2 | 4.0 | 3.8 | 4.1 | 4.4 | 4.4 |

Test data collected per ANSI S12.6-2008

Ordering Information

| Part Number | Description | NSN |
|-------------|--|---------------|
| 05-005061 | Headset Argonaut DHPC Harris P7100 | 4220016099406 |
| 05-005064 | Headset Argonaut DHPC F18ICS | 4220016099407 |
| 05-055001 | Headset Argonaut DHPC MBITR | --- |
| 05-005068 | Headset Argonaut DHPC Muzzle mic Sound Powered Phone with Battery | 4220016099408 |
| 05-016017 | Argonaut Communication Earplugs | 4220016099415 |
| 05-016020 | Low Profile Custom Communication Eartips (LPCCE) with Passive Tether | --- |
| 05-012001 | Battery Charger Two-gang for Argonaut® DHPC and DANR | 4220016099413 |
| 05-012002 | Power Cord for Two-gang Battery Charger | --- |
| 05-005023 | DANR and Argonaut® Battery | 4220016099398 |
| 05-999001 | Foam Ear Seal (1 pair) | 4220016099412 |
| 05-999002 | Ear Lubricant Aegisound | --- |
| 05-999003 | Wind Guard for Boom Mic | 4220016099409 |

NRR Rating Information and Test Data per ANSI Standards

Noise Reduction Rating 32 DECIBELS
(WHEN USED AS DIRECTED)

THE RANGE OF NOISE REDUCTION RATINGS FOR EXISTING HEARING PROTECTORS IS APPROXIMATELY 0 TO 30 (HIGHER NUMBERS DENOTE GREATER EFFECTIVENESS).

Gentex
Manchester, New Hampshire

Argonaut DHPC

Federal law prohibits removal of this label prior to purchase Label Required by U.S. EPA regulation 40 CFR part 211, subpart B

Ear Impressions for LPCCE Custom Eartips

Ear impressions are required for the Gentex Low Profile Custom Communication Eartips (LPCCE). The LPCCE are compatible with the Argonaut Communication Earplugs to provide hearing protection and communication in the Argonaut DHPC headset. Your local audiologist or hearing aid dispenser can provide ear impressions for shipment to Gentex. Gentex has specific requirements to assure the best performance from our products. Our ear impression requirements can be downloaded from our website.

Contact Us

Aegisound is dedicated to developing fully integrated products that significantly improve hearing protection and communications for personnel operating in continuous, extreme noise environments, such as those found in the oil and gas, construction, military, heavy industrial, mining, metalworking, chemical and aerospace industries. For more information about the Aegisound Argonaut DHP Communication Headset, please contact Gentex at sales@gentexcorp.com or one of our authorized distributors through www.gentexcorp.com. Like us at facebook.com/Gentexcorp or follow us on Twitter @Gentex_Corp.