



Direct Connect USB Headset PC or Mac®

Performance: Designed with ENG and other challenging applications in mind, the DMH220/USB plugs directly into your (notebook) computer's USB port. All the necessary electronics are built into the headset and its cable. No adapters, power supplies or additional cables are necessary. Integrated into the plug is a sound adaptor with a D/A - A/D converter. A headphone amplifier with digital equalizer optimized to the earspeakers and a high performance microphone pre-amplifier are also built in. The DMH220/USB will be recognized immediately by Windows® versions 2000 and onwards and by Mac® G5's+.

Exceptionally high quality transducers provide wide smooth frequency response, reducing the onset of 'ear fatigue' for those who must spend many hours wearing headsets. Deep, comfortable ear cushions have excellent external noise exclusion characteristics, and are washable with ordinary dish washing detergent. At 9.9 oz. the DMH220/USB is much lighter than its appearance suggests. The cardioid microphone is mounted on a flexible, steel reinforced boom which can be easily twisted into a comfortable position. The flexible headband is adjustable.

Simplicity & Durability: In the urgent atmosphere of ENG the very best of care cannot always be given to the gear. Because these headsets have only two moving parts, and the microphone boom is flexible rather than hinged, a remarkable degree of durability is achieved. The assembly screws are hidden to prevent

tampering. Cable entry is single-sided. These headsets are easily field repairable. **Production Intercom** maintains a full inventory of replacement parts at reasonable prices and provides fast turnaround on repairs. The DMH220/USB is covered by a 3-year limited warranty

Value: Low initial cost (compared to other professional communications headsets of equivalent quality), combines with long working life and low cost of repairs to offer outstanding value.

Compatibility: The DMH220/USB is fully compatible with existing drivers within Windows® versions 2000 and onwards and with Mac® OSX.



**Plug and Play
Direct to your
USB Port**

Technical specifications: (Subject to change without notice)

Headphone: (Closed, dynamic, circumaural)

Frequency response: 20~17kHz

Impedance: 2 x 100Ω

Continuous power: 10mW

SPL: 94dB

Distortion: K2 < 0.6% K3 < 0.25%

Pressure on ear: ~ 6N

Microphone:

Frequency response: 40~18kHz

Nominal Impedance: 1.0kΩ

Sensitivity: 16.25 mV/Pa

Pattern: Cardioid

Front-to-back ratio: 15 dB

General:

Up to 16 bit recording

Up to 24 bit playback

Weight w/o cable: 280g / 9.9 oz

Cable length: 2.1 m / 6.9 ft.

Plug: USB

Production Intercom Inc.

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Stereo Headphones

Performance: The DMH3000 headphones are fitted with high compliance 50mm diaphragms and rare earth magnets for a wide, smooth frequency curve and minimal distortion. Even at loud levels the sound remains clear and clean. These lightweight headsets are fitted with deep comfortable muffs that are removable and washable. The gold-finished plug is actually two plugs in one. Need the full 1/4 in. plug? It comes installed. Pull off the 1/4 in plug and a gold-finished 3.5mm stereo plug is revealed. The headband is fully adjustable on both sides with positive clicks at each point of adjustment. The earphones themselves are self-adjusting in all three planes for firm but soft contact with maximum exclusion of room noise.

Durability: Our DMH3000 headphones are made for us by the same manufacturer who builds our professional headsets, less a microphone, of course, but with superior ear speakers for full time music listening. Our professional headsets must be sturdy, comfortable and acoustically superior because they are worn for long hours every night by the technicians who are making the show work while you enjoy the performance (or game, or event or the live television program). You won't need to be an engineer to appreciate the simplicity of construction which provides little opportunity for breakage.

Value: Considering the modest price, you may be surprised at the obvious quality of construction, appearance and performance. Should repairs ever be necessary you needn't be told to throw them away and get a new pair. Production Intercom has been selling headsets for more than 17 years. We stock parts and perform repairs promptly and economically whether your headphones are in or out of warranty. And speaking of warranty - 3 years - parts and labor on defects in materials or workmanship provided only that the headphones have not been abused or misused.

Compatibility: Ships with 3.5mm gold-plated stereo plug and 3.5mm to 1/4in. gold-plated adapter.



Specifications: (Subject to change without notice)
Ear speakers: - 45W
Frequency response: - 16~21kHz ±3dB
Sensitivity: 94dB Spl @ 1mW Distortion: %

Weight: 8.75 oz (248g)
Cable: Straight, 54 in (1.37m)
Connector: Metal 3.5mm stereo phone plug with 1/4in. adapter.

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Broadcast Quality Dual-Muff Headset

Performance: The DMH9000, with its low visual profile, was specifically designed with broadcast and studio applications in mind. Special attention has been given to acoustical and electrical isolation of the microphone from the ear speakers to minimize the incidence of cross-talk. The symmetrical hypercardioid studio quality condenser microphone was expressly developed for near-field use and combines excellent noise rejecting abilities



with a wide, smooth frequency response. The near-field characteristics of the microphone capsule provide good noise rejection without having it so close to the mouth as to obscure the wearers face. The optimal distance is 4 in. A new wind screen helps to eliminate wind and breath noise. The microphone is balanced and requires 'phantom power' 12~48V. The microphone boom can be positioned on the left or right side and swings up and out of the

Technical Specifications (subject to change without notice)

Earspeakers:

Frequency response: 16-10,000Hz or 10-34,200Hz[†]

Nominal Impedance: 400ΩΩ (each side)

Sound pressure level: ≥94dB

External noise exclusion: >25dBA

way past a series of detents. As the boom is raised a gold plated micro switch turns the microphone noiselessly off. The earspeakers have a specially contoured and wide bandwidth in combination with high sensitivity. Two types of ear cushions are available. For sports announcing, and similarly noisy applications, dual chamber foam-filled cushions provide optimum noise exclusion. In studio or other musical applications the alternate style of ear cushions are designed to optimize frequency response (See specifications[†]).

Durability: The DMH9000 continues the unrivaled durability of our 200 Series headsets. The earspeaker housings and microphone boom are constructed of an almost indestructible material that will not be damaged if dropped or stepped upon. The material is fully recyclable and can be cleansed with ordinary household detergents. Should repair ever be necessary the headset can be easily disassembled and reassembled. This is achieved without making the procedure obvious to a 'tamperer'.

Value: Headsets of this quality are not inexpensive, but we invite you to compare value with any other headset in this category. When you plug in the durability factor and our many years of providing immediate and no-quibble service, the difference becomes even greater.

Compatibility: The DMH9000 can be fitted with cable and plugs for almost any professional application including broadcast, audio console, recording console and computer.

Average pressure on ears: ≈ 7N

Weight (without cable): 12oz (350g)

Microphone:

Transducer type: Condenser

Frequency response at -10dB: 35-15,000Hz

Polar pattern: Hypercardioid (near field)

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Communication Headsets

Performance: Exceptionally high quality transducers provide wide smooth frequency response, reducing the onset of 'ear fatigue' for those who must spend many hours wearing headsets. Deep, comfortable ear cushions have excellent external noise exclusion characteristics, and are washable with ordinary dish washing detergent. At 7.35 oz. the SMH210, and at 8.75oz the DMH220, (shown above) are much lighter than their appearances suggest. The noise-canceling microphone is mounted on a flexible, steel reinforced boom which can be easily twisted into a comfortable position. The flexible headband is adjustable. The normal transducer configuration for use with Production Intercom and compatible headset intercom systems are 400Ω earspeakers and a 200Ω dynamic microphone. Electret microphones and lower impedance earspeakers for other applications are also available, and combinations of these transducers make up the various models. For use with Production Intercom and most headset communications systems the SMH210 and DMH220 are fitted with a 4-pin female XLR-type plug. For other applications many different plugs are available.



Durability: Because these headsets have only one moving part, and the microphone boom is flexible rather than hinged, a remarkable degree of durability is achieved. The light-weight cable consists of a copper shield around steel reinforced conductors, and is virtually unbreakable under normal circumstances. The assembly screws are hidden to prevent tampering. These headsets are easily field repairable. Production Intercom maintains a full inventory of replacement parts at reasonable prices and provides fast turn-around on repairs.

Value: Low initial cost (compared to other professional communications headsets of equivalent quality), combines with long working life and low cost of repairs to offer outstanding value.

Compatibility: 200 series headsets are compatible with Clear-Com[®] and all other popular headset intercom systems, as well as drive-thru restaurant systems, disk jockey systems and other applications.

Technical specifications: (Subject to change without notice)	Earspeakers: 400Ω @ 1kHz	Freq. response: 40~14.4kHz
Dynamic Microphone: Uni-Directional 200Ω @ 1kHz		Sensitivity: 94dB Spl @ 1mW
	Freq. response: 40~15kHz	Distortion: Less than 0.5%
Electret Microphone: Noise cancelling 2.2kΩ	Cable length: 59 in. (1.5 m.)	Steel reinforced
Freq. response: 40~18kHz	Approx. weights: SMH210 7.35 oz,	DMH220 8.75 oz.

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Communications Headsets

Performance: These light, comfortable headsets are equipped with high quality transducers for smooth response and pleasant listening. The soft, textured muffs are removable and washable. The mechanism for adjusting size allows for a wide range, and is both simple and sturdy. The microphone is mounted on a thin flexible gooseneck boom that also swivels at the ear cup and can be swung up out of the way. The microphone can be adjusted to be very close to the mouth for situations where quiet or discreteness are important. The thin, flexible cable does not tug on the headset and can be clasped out of the way with our optional clothing clip.

Durability: The SMH310 and DMH320 have a minimal number of moving parts. Each of the pivot points has been strengthened. The flexible gooseneck bends rather than breaks. The muff, along with its frame, pops off the ear cup for almost instant cleaning or replacement. Our always-generous repair policy applies to these modestly priced headsets as well.

Value: These headsets represent an outstanding value, costing considerably less than any other major brand of full-sized communications headset. When long working-life expectations and repair-ability are factored in, the value is even further enhanced.

Compatibility: The SMH310 and DMH320 are compatible with Clear-Com[®] as well as other, lesser-known, headset com-



Specifications: (Subject to change without notice)

Ear speaker impedance: $200\Omega \pm 15\%$

Rated power input: 300 mW

Max. power input: 100 mW

Frequency response: 30~12kHz

T.H.D. @ S.O.P: >3%

S.P.L: $97\text{dB} \pm 3\text{dB}$

Microphone: Dynamic, 0.825 in (21mm) 200Ω

Mic. Boom: 0.177 in (4.5mm) diameter gooseneck tube

Cord: Straight, 6.56 ft. (2m)

Headband adjust: ABS click-type

Net weight:

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Lightweight Communication Headset

Performance: The SMH710 is a lightweight version of our long-time product, the SMH310. The construction, though smaller, is very similar. At 3.88 oz. (0.11kg) it is among the lightest headsets suitable for intercom that is available, and far more comfortable than the most commonly available lightweights. Because it has a dynamic microphone it is suitable for all intercom stations, old and new. The microphone arm is a flexible gooseneck and has a swivel mount, permitting a wide range of positioning. The headset comes with a foam microphone pop filter. The SMH710 is for left side use only. The ear cushions, being smaller, sit on the ear rather than around it. They can be cleaned and can be easily and inexpensively replaced. The headband is adjustable and padded. On the ear speaker side the adjustment involves clicking the fitting up and down. For larger sizes the pad on the far side can be adjusted by removing a small screw and re-setting the pad position.

Durability: The SMH710 has a minimal number of moving parts. Each of the pivot points has been strengthened. The flexible gooseneck bends rather than breaks. The muff peels off the ear cup for almost instant cleaning or replacement. Our always-generous repair policy applies to these modestly priced headsets as well.

Value: This headsets represent an outstanding value, costing considerably less than any other major brand of intercom-suitable lightweight communications headset. When long working-life

expectations and repair-ability are factored in, the value is even further enhanced.

Compatibility: The SMH710 is compatible with Clear-Com[®] as well as other, lesser-known, headset communications systems. The standard 4-pin female XLR-type connector is included, but we will gladly fit the appropriate plug for any other system at a reasonable cost.



Specifications: (Subject to change without notice)

Ear speaker impedance: $200\Omega \pm 15\%$

Rated power input: 300 mW

Max. power input: 100 mW

Frequency response: 30~12kHz

T.H.D. @ S.O.P: >3%

S.P.L: 97dB \pm 3dB

Microphone: Dynamic, 0.825 in (21mm) 200 Ω

Mic. Boom: 0.177 in (4.5mm) diameter gooseneck tube

Cord: Straight, 6.56 ft. (2m)

Headband adjust: ABS click-type

Net weight: 3.88oz (0.11kg)

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Communications Headsets

Performance: Exceptionally high quality transducers provide wide smooth frequency response, reducing the onset of ear fatigue for those who must spend many hours wearing headsets. Deep, comfortable ear cushions have excellent external noise exclusion characteristics, and are washable with ordinary dish washing detergent. At 10.8oz (.306kg), including the cable and XLR, the SMH910 (shown above) is much lighter than its appearance suggests. Even the dual muff version, DMH920, weighs in at only 15.3oz (.435kg). The noise-canceling microphone is mounted on a flexible, steel reinforced boom which can be bent for optimum positioning. The boom swings up out of the way when required and shuts the microphone off at the top of the swing. The boom can be reversed for use on the right side. The flexible headband is adjustable. The normal transducer configuration for use with **Production Intercom** and compatible headset intercom systems is 400Ω earspeaker(s) and a 200Ω dynamic microphone. Electret microphones and both 50 and 100Ω earspeakers are also available for various other applications. The standard version comes with a 4-pin female XLR-type plug but other configurations are available. The microphone in the standard version is wired unbalanced but it can easily be balanced for audio or broadcast applications.



Reversible boom allows for left or right ear coverage

Durability: All headsets are the most vulnerable to damage at the point where the boom connects with the ear cup. The ingenious way in which the boom swivels on the 900 series offers a whole new level of longevity. The internal switch, which mutes

the microphone at the top of the boom's arc, is rated for millions of operations. The assembly screws are hidden to prevent tampering. These headsets are easily field repairable. **Production Intercom** maintains a full inventory of replacement parts at reasonable prices and provides fast turnaround if repairs ever become necessary.

Value: These fully featured professional headsets are priced competitively with headsets offering lesser performance and greater fragility. These combine with long working life and low cost of repairs to offer outstanding value.

Compatibility: 900 series headsets are compatible with Clear-Com[®] and all other popular headset intercom systems, and are easily configured for other applications.

Technical Specifications: (Subject to change without notice)
Earspeakers: 400Ω dynamic 40~14.4kHz SPL: ≥94 dB
Continuous power: 100mW
External noise isolation: ca. 18 dBA

Microphone:
Dynamic, cardioid, 40-15,000Hz 100Ω (200Ω) balanced
Front to back: >15dB Close talking sensitivity: -1mV(=3mV/Pa)
Weight: Single: 7.76oz (220g) Dual: 15.3oz (435g)

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