WIRELESS INTERCOM SYSTEMS

HME

SPECTRUM FRIENDLY™

LO HI

NEW – All DX Series products now feature *Spectrum Friendly™* technology, HME's unique advantage for interference-free operation in the 2.4 GHz band.

DX 100
100

DX 121
121

DX 200
200

DX 300/ES
300/ES

DX100™/DX100C™ Digital Wireless Intercom System
PORTABLE DIGITAL COMMUNICATION ON THE GO

No matter how much you move, this compact portable base station will move with you. Featuring crystal clear, two-way digital communication that allows up to 15 users to speak to each other wirelessly. Better than walkie-talkies, you can communicate in hands-free mode and have private conversations on a secure channel. Frequency Hopping Spread Spectrum (FHSS) and encryption prevent people from eavesdropping. The base station can be powered with an AC adapter, 1.5V "AA" batteries, rechargeable batteries or 12 VDC automotive power. Available with any combination of BP200 Beltpacs, WH200 All-in-One Wireless Headsets or WS200 Wireless Speaker Stations.

DX121™ Digital Wireless Intercom System
POWERFUL YET SIMPLE

The versatile DX121 System can be plugged into the headset jack of any popular intercom station or four-wire device. Uses existing party line house wiring as a backbone to add wireless capabilities in any area of the facility. Up to eight DX121s can be used together to support multi-channel applications or remote wireless work stations. Up to four remote COMMUNICATOR®s can be used to support various wireless intercom requirements. It features a built-in battery charger and an assignable relay closure. The DX121 is compatible with the entire HME DX200 series of digital wireless intercom products and accessories.

DX200™/DX200C™ Digital Wireless Intercom System

THE MOST ADVANCED SYSTEM FOR THE MOST DEMANDING ENVIRONMENTS

Big venues are a big job and this advanced, license-free 2.4 GHz system is up to the task. Frequency-Hopping Spread Spectrum (FHSS) technology provides interference-free operation for up to 15 mobile users per base. The lightweight beltpacs and all-in-one headsets operate for up to 20 hours on a rechargeable lithium-ion battery. Non-technical staff can easily use this system right out of the box. An interface is provided for two- and four-wire intercom systems. ISO function allows mobile users to make stage announcements or communicate on a private channel. Available with any combination of BP200 Beltpacs, WH200 All-in-One Wireless Headsets or WS200 Wireless Speaker Stations.

DX300/ES™ Digital Wireless Intercom System

PORTABLE MULTI-CHANNEL MOBILE COMMUNICATION

Wireless communication reaches a new level with the flexible DX300ES multi-channel system. With wireless hands-free, two-way digital operation and the ability to access two channels of radio or intercom communication, you can tend to other tasks and never be out of communication with your crew again! This *Spectrum Friendly™*, 2.4 GHz system supports up to 15 wireless users plus two additional users connected to the base station. Mix and match either of the two COMMUNICATOR® models including the BP300 Beltpac or the WH300 All-in-One Wireless Headset.

A History of Innovation

HME's dedication to ongoing research has produced industry-leading pro audio technological innovations including full duplex operation, background noise reduction and verbal voice prompts.

1974 — First wireless microphone

1979 — First full duplex VHF System IC150 Wireless Intercom

1985 — Cabled intercoms, mixers, microphones, power amplifiers

1992 — First UHF Frequency System 800 Wireless Intercom

2003 — PRO850 Synthesized UHF Wireless Intercom

2004 — DX200 2.4 GHz Digital Wireless Intercom

2005 — DX100 Portable Digital Wireless Intercom

2006 — WH200 All-in-One Wireless Headset

2007 — DX300 Two Channel Wireless Intercom System

2008 — WS200 Wireless Speaker Station

2009 — DX121 Digital Wireless Intercom System

   — DX300ES Two Channel/Relay Wireless Intercom System

   — *Spectrum Friendly*™ DX Series Wireless Intercom Systems

HME Corporate Headquarters — Poway, CA

Proven Technological Leadership

Located in Poway, CA, HM Electronics, Inc. (HME) has been the leading provider of wireless systems for the professional audio industry since the company's founding in 1971.

Quality Production

The HME manufacturing facility employs the latest production methods, including surface-mount technology, automated test equipment, semi-automatic insertion machines, ultrasonic welding and drag soldering.

Unparalleled Service

HME places a top priority on customer service. Our 24/7 Technical Support Center is staffed with highly trained individuals who are "Customer Driven" in all they do. Our Factory Service Center offers quick turnaround, HME factory parts and quality workmanship.

Global Sales

HME's domestic sales team and authorized dealer network are strategically located throughout the U.S. and worldwide. We reach over 90 countries via a network of HME-authorized distributors and dealers.

DX100**100**

DX100 SYSTEM

TYPICAL CONFIGURATION*

> MB100 Base Station
> 4 BP200 Beltpacs
> 4 BP200 Beltpac Pouches
> 4 HS15 Headsets
> 8 BAT41 Rechargeable Batteries
  (4 Spare Batteries Included)
> AC40A Battery Charger

DX100C SYSTEM

TYPICAL CONFIGURATION*

> MB100 Base Station
> 4 WH200 All-in-One
  Wireless Headsets
> 8 BAT41 Rechargeable Batteries
  (4 Spare Batteries Included)
> AC40A Battery Charger

Any combination of 15 COMMUNICATORS® or wireless speaker stations can be used to make up your system.

System Highlights

Crystal-clear, two-way communication in a compact portable base station. No matter how much you move, this compact portable base station will move with you. Provides crystal-clear, two-way digital communication for up to 15 simultaneous wireless users. Hands-free mode allows maximum flexibility and a secure channel ensures that private conversations stay private.

Its portable, compact design makes the DX100 system ideal for mobile field applications.

Up to 15 COMMUNICATOR®s can be assigned to each base station, four of which can be used in hands-free, full duplex mode.

Digital Frequency-Hopping Spread Spectrum (FHSS) with encryption secures communication to prevent eavesdropping.

2.4 GHz license-free operation is approved for worldwide use; no need to coordinate frequency operation with other wireless systems.

Triple diversity — space, time and frequency diversity provide redundant communication that offers the most dependable system available.

Remotely "unlatch" COMMUNICATOR transmitters to help you stop a COMMUNICATOR that has been unintentionally left transmitting — from the convenience of your base station. This is very helpful if a remote user removes his COMMUNICATOR and forgets to turn it off.

DX100/DX100C
Digital Wireless Intercom System
PORTABLE DIGITAL COMMUNICATION ON THE GO

DX100**100**

NEW

WS200 WIRELESS SPEAKER STATION

A portable, flexible solution for situations where your production crew cannot wear a headset and for times when a temporary or remote location is used. Features include call signaling, built-in microphone, high speaker intelligibility, headset jack, mic gain, sidetone adjustments and an external speaker connector. Operates on AC power, 12 VDC or "AA" batteries.

" The HME DX100 systems allow our crane operators to communicate wirelessly without interfering with the production's wireless microphones or other radio systems. The systems are very reliable and easy to set up and operate. "

— **Richard Amadril**
VP and General Manager
Panavision Remote Systems

Base Station Highlights

Flexible, battery-powered operation lets you power your base four different ways:

> Six 1.5V "AA" batteries

> Optional rechargeable BAT850 battery

> 12 VDC automotive adapter

> 100-240 VAC power adapter (provided)

HME *Spectrum Friendly™* technology allows users to select the 2.4 GHz operating frequency range – low band, high band or full band – in order to avoid frequency conflicts.

Power outage backup feature enables uninterrupted communication in the event of power loss.

WH200 All-in-One Wireless Headset

BP200 Beltpac

COMMUNICATOR® Highlights

Three COMMUNICATOR models let you mix and match the WH200 All-in-One Wireless Headset, the BP200 Beltpac with plug-in headset and the WS200 Wireless Speaker Station.

Internal antennas are housed inside the COMMUNICATORs for extra durability.

Rechargeable lithium-ion batteries provide up to 20 hours of beltpac or all-in-one wireless headset operation with each charge. Batteries charge in less than three hours in the DX100's four-port battery charger.

Voice prompts inform users of status changes through the headset, such as "change battery" or "out of range."

Super-compact design makes the BP200 Beltpac the industry's lightest. It is ergonomically designed with sealed controls for easy, reliable operation.

Electronic mic gain and sidetone adjustments allow for easy, tool-free settings. Sidetone adjustment is not required on the WH200.

Selectable momentary or latching button mode allows better management of system resources.

DX121 **121**

System Highlights

Headset connectivity can be directly interfaced to most hardwired intercom headset jacks for instant wireless communication.

Four-wire connectivity interfaces to four-wire/matrix intercoms and radio-based communication systems. Assignable relay closure provides advanced functionality.

Built-in battery charger One-port battery charger charges a remote beltpac or all-in-one headset battery in under three hours.

HME *Spectrum Friendly™* technology allows users to select the 2.4 GHz operating frequency range – low band, high band or full band – in order to avoid frequency conflicts.

Digital Frequency-Hopping, Spread Spectrum (FHSS) encryption technology ensures confidential communication. Approved for worldwide use.

Power backup allows a fully charged battery in the charger port to act as backup power source for up to 30 minutes.

Assignable relay closure provides advanced functionality when used with matrix intercoms or radio based communication systems.

Highly Versatile System

The DX121 can be plugged directly into the headset jack of any number of popular intercom stations or four-wire devices, such as digital matrix intercoms.

WH200 All-in-One Wireless Headset

BP200 Beltpac

COMMUNICATOR® Highlights

Three COMMUNICATOR models let you mix and match the WH200 All-in-One Wireless Headset, the BP200 Beltpac with headset and the WS200 Wireless Speaker Station.

Rechargeable lithium-ion batteries provide up to 20 hours of beltpac or all-in-one wireless headset operation with each charge. Batteries charge in less than three hours in the DX121 battery charger port.

Voice prompts inform users of status changes through the headset, such as "change battery" or "out of range."

Super-compact design makes the BP200 Beltpac the industry's lightest. It is ergonomically designed with sealed controls for easy, reliable operation.

Electronic mic gain and sidetone adjustments allow for easy, tool-free settings. Sidetone adjustment is not required on the WH200.

It's so versatile — every audio technician should be carrying a DX121 wireless system in their toolbox!"

— *Peter Erskine*
Frequency Coordinator, Inaugural Ball events
2009 U.S. Presidential Inauguration

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DX200 **200**

DX200 SYSTEM

TYPICAL CONFIGURATION*

> BS200 Base Station
> 4 BP200 Beltpacs
> 4 BP200 Beltpac Pouches
> 5 HS15 Headsets
> 8 BAT41 Rechargeable Batteries
  (4 Spare Batteries Included)
> AC40A Battery Charger

DX200C SYSTEM

TYPICAL CONFIGURATION*

> BS200 Base Station
> 1 HS15 Headset
> 4 WH200 All-in-One
  Wireless Headsets
> 8 BAT41 Rechargeable Batteries
  (4 Spare Batteries Included)
> AC40A Battery Charger

*Any combination of 15
 COMMUNICATORs or wireless
 speaker stations can be used
 to make up your system.*

System Highlights

Big venues are a big job, and this advanced, license-free system is up to the task. Enjoy crystal-clear, interference-free communication for up to 15 mobile users. Up to 20 hours of continuous use on a rechargeable battery. Includes interface for two- and four-wire intercom systems.

Digital 2.4 GHz *Spectrum Friendly™* license-free operation in the industrial, scientific and medical frequency band gives you exceptionally clear sound without licensing costs. You won't have to contend with intermodulation squelch issues commonly associated with systems operating in the crowded VHF and UHF bands.

Up to 15 COMMUNICATOR®s can be assigned to each base station, any four of which can be used in hands-free, full duplex mode, and a fifth when the base station headset is used.

Digital encryption and FHSS technology prevent unauthorized personnel from hearing or interrupting your communication.

Triple diversity — space, time and frequency diversity provide redundant communication that offers the most dependable system available. The strongest signal is selected from two dif-

Clear, Digital Communication

With the DX200 Digital Wireless System, you'll get exceptional sound clarity and secure, interference-free communication.

ferent antennas, transmitted and received at two different times, on two different frequencies.

The vertical and horizontal diversity antenna system is specially designed to prevent dropouts and provide the strongest audio signal possible.

Expandable system enables up to eight base stations to be used together for a total of 120 COMMUNICATORs with up to 32 in hands-free, full-duplex mode.

Remotely "unlatch" COMMU-NICATORs from transmitting at the base to stop a rogue COMMUNICATOR that's been left transmitting without having to locate the beltpac.

Wireless ISO allows all mobile users on the same base station to converse with each other isolated from the two- or four-wire intercom channel which can be restricted to specific users.

User-friendly light indicators and simple controls make the COMMUNICATOR perfect for fast, convenient communication.

Monitor speaker output is capable of driving one watt (typical) into eight ohms.

We requested HME's components because they are essentially plug-and-play. We can turn them on, then just walk away and get on with other tasks.

— **Vikram Kirby**
Sound Designer
Thinkwell Design & Production

HME

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DX200 200

DX 2 0 0

CL200 CALL LIGHT ACTUATOR

Now enjoy "call signaling" on any DX200 system using the CL200 in two ways: initiated from your two-wire intercom system or directly from the CL200's "CALL" button. After plugging directly into the two-wire connector of any BS200 Base Station, you can activate the high intensity "CALL" light on the WS200 Wireless Speaker Station.

Base Station Highlights

Wired intercom interface supports one hardwired intercom channel using two-wire, four-wire, or both simultaneously. The base is compatible with RTS and ClearCom/Production Intercom two-wire intercom systems. ISO+ mode gives you an additional four-wire intercom interface by using the AUX IN and AUX OUT connections.

Two power source options give you more flexibility in powering the base. Choose between the supplied AC adapter or an external DC source such as a vehicle electrical system for rack mounting in an ENG van.

Headset connector allows the stationary base station operator direct access to the IC channel, AUX IN/OUT, as well as COMMUNICATOR®s. An optional six-foot extension cable provides added mobility.

What really surprised us the most was the DX200 system's range... it had the power to reach outside the building easily and even into the elevators as they moved between floors.

— **Francois Bergeron**
Executive Producer
Thinkwell Design & Production

WH200 All-in-One Wireless Headset

BP200 Beltpac

COMMUNICATOR® Highlights

Three COMMUNICATOR models let you mix and match the WH200 All-in-One Wireless Headset, the BP200 Beltpac with plug-in headset and the WS200 Wireless Speaker Station.

**Internal antennas** are housed inside the COMMUNICATORs for extra durability.

Rechargeable lithium-ion batteries provide up to 20 hours of beltpac or all-in-one wireless headset operation with each charge. Batteries charge in less than three hours in the DX200's four-port battery charger.

Voice prompts inform users of status changes through the headset, such as "change battery" or "out of range."

Super-compact design makes the BP200 Beltpac the industry's lightest. It is ergonomically designed with sealed controls for easy, reliable operation.

Electronic mic gain and sidetone adjustments allow for easy, tool-free settings. Sidetone adjustment is not required on the WH200.

Selectable momentary or latching button mode allows better management of system resources.

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DX 200 **200**
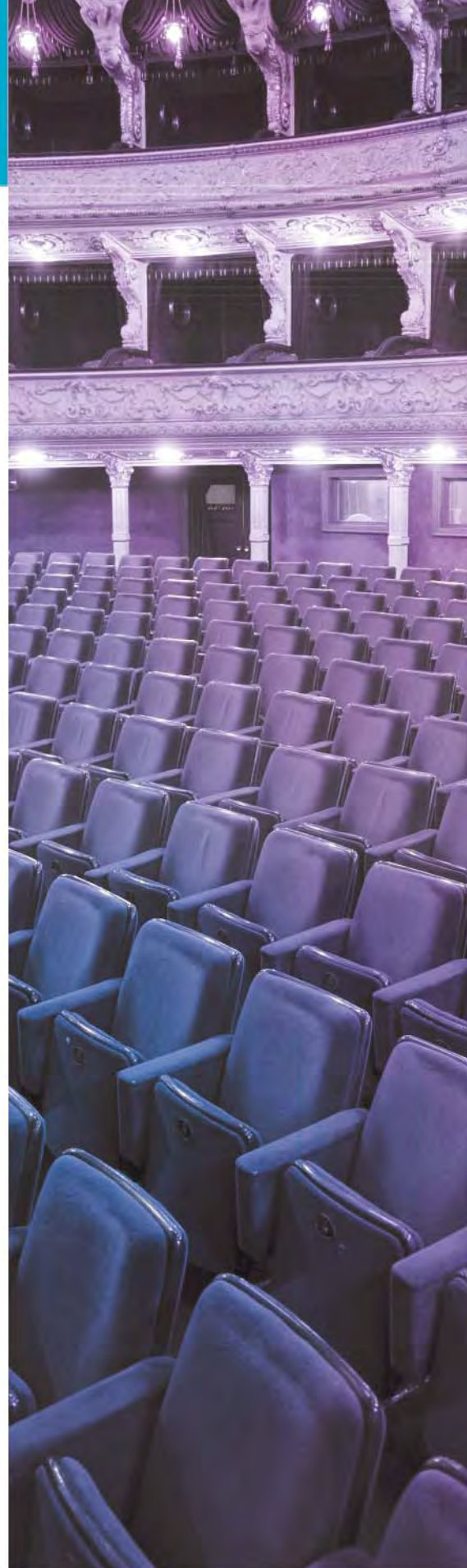
CL200/WS200 APPLICATION DIAGRAM

Two-Wire Beltpac

2-Wire Intercom — Call

CL200

DX200

BP200

WS200

WH200 All-in-One

Using the CL200 Call Light Actuator, detect a "CALL" signal from any standard two-wire intercom to a DX200 wireless system. All wireless system COMMUNICATOR®s will be sent an audible signal that also triggers the "CALL" light on the WS200 Wireless Speaker Station. The CL200 can also be used to initiate a "CALL" signal to any connected standard two-wire intercom system.

> Detect a "CALL" signal from a two-wire intercom

> Send a "CALL" signal to a two-wire intercom

> Actuates an audible "CALL" signal to all wireless COMMUNICATORs

> Triggers the "CALL" light on the WS200 Wireless Speaker Station

> Provides local "CALL" light confirmation at the DX200 Base Station

DX300

DX300
Digital Wireless Intercom System
PORTABLE MULTI-CHANNEL MOBILE COMMUNICATION

DX300 300

DX300 SYSTEM

TYPICAL CONFIGURATION*

> MB300 Base Station
> 3 BP300 Beltpacs
> 3 BP300 Beltpac Pouches
> 5 HS15 Headsets
> 4 BAT41 Rechargeable Batteries
  (1 Spare Battery Included)
> AC40A Battery Charger
> Travel Case

DX300C SYSTEM

TYPICAL CONFIGURATION*

> MB300 Base Station
> 2 HS15 Headsets
> 3 WH300 All-in-One
  Wireless Headsets
> 4 BAT41 Rechargeable Batteries
  (1 Spare Battery Included)
> AC40A Battery Charger
> Travel Case

*Any combination of 15
COMMUNICATORs can be
used to make up your system.*

System Highlights

An economical, expandable two-channel solution for sports, live events and broadcasting. License-free. Sets up in minutes and supports up to 15 wireless crew members at once, with up to three communicating in hands-free, full-duplex mode.

HME *Spectrum Friendly™* technology allows users to select the 2.4 GHz operating frequency range – low band, high band or full band – in order to avoid frequency conflicts.

The portable DX300 offers a flexible two-channel wireless intercom system that provides a secure battery operated system.

Fast and simple to set up, the DX300 travels easily from location to location. No license required.

17 users can communicate on one MB300 Base Station, 15 on wireless COMMUNICATOR®s.

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Secure, 64-bit encryption and digital Frequency-Hopping Spread Spectrum (FHSS) prevent interruption from other systems.

Mix and match traditional headsets and beltpacs with wireless all-in-one COMMUNICATOR®s. Both units are very lightweight and comfortable to wear.

Expandable, hands-free operation supports five production crew members in two-way conversation — two connected to the MB300 base station and three using wireless COMMUNICATORs. The system easily expands to 20 users by adding up to three additional MB300 base stations. Multi-channel capability permits production crew members to talk together on one channel or to split up on two separate channels.

COMMUNICATORs can be used even while their lithium-ion batteries are charging. When the low battery message is heard, simply replacing the battery in the COMMUNICATOR with a fully charged battery keeps you up-and-running for up to 20 more hours. Batteries charge in less than three hours in the DX300's four-port battery charger.

Triple diversity — space, time and frequency diversity provide redundant communication that offers the most dependable system available.

> *We hand the system to the freelancers and tell them to go use it. They come back two minutes later with, 'Why can't they all be that easy?'*

— **Chris Blackburn**
Head of Communications
SSE Hire, London, England

DX300

"The DX300 has been a smashing success...

It's lightweight, quick to set up and operate,

without sacrificing any essential features."

— **Jason Lindquist**
Technical Coordinator
Poway High School

Base Station Highlights

Triple diversity design transmits the audio signal twice, at different times and frequencies, and selects the strongest signal from two different antennas for uninterrupted communication.

Flexible power options enable the MB300 Base Station to operate on 100-240 VAC, 12-14 VDC, 1.5V "AA" batteries or an optional rechargeable BAT850 battery.

Simple system expansion with a standard data cable enables connection of multiple MB300 Base Stations to accommodate expanding production crew requirements.

Portable size and weight — Designed to travel where needed, the MB300 Base Station weighs less than three lbs with battery, and measures only 8" x 8" x 3.5".

Auxiliary Input and Output ten-pin terminal strip connector for easy connection to four-wire intercom systems. External interface required to connect into two-wire systems.

MB300 Base Station

WH300 All-in-One Wireless Headset

BP300 Beltpac

COMMUNICATOR® Highlights

Two COMMUNICATOR models let you mix and match the WH300 All-in-One Wireless Headset and the BP300 Beltpac with plug-in headset.

Internal antennas are housed inside the COMMUNICATORs for extra durability.

Rechargeable lithium-ion batteries provide up to 20 hours of COMMUNICATOR operation with each charge. Batteries charge in less than three hours in the DX300's four-port battery charger.

Voice prompts inform users of status changes through the headset, such as "change battery" or "out of range."

Super-compact design makes the BP300 Beltpac the industry's lightest. They are ergonomically designed with sealed controls for easy, reliable operation.

Electronic mic gain and sidetone adjustments allow for easy, tool-free settings. Sidetone adjustment is not required on the WH300.

Selectable momentary or latching button mode allows better management of system resources.

" Having the ability to attach to a two-way radio allows me to be in constant contact with my client while still being able to call a show, which is a production manager's dream come true. "

— **Steven Kline**
Production Director
Steven Kline Productions

System Highlights

Dedicated channel relays — Each channel has a dedicated relay. Remote users can activate either one or both simultaneously.

Fast, easy set-up for strategic relocation — Highly portable and very quick to set up and operate.

Compatible configuration — Easily configured to operate with almost any base radio or four-wire intercom. Available with any combination of COMMUNICATOR®s: BP300 Beltpac or the WH300 All-in-One Wireless Headset.

Spectrum Friendly™ — Frequency range can be selected for low, high or full band only, to avoid frequency conflicts.

MB300ES Base Station
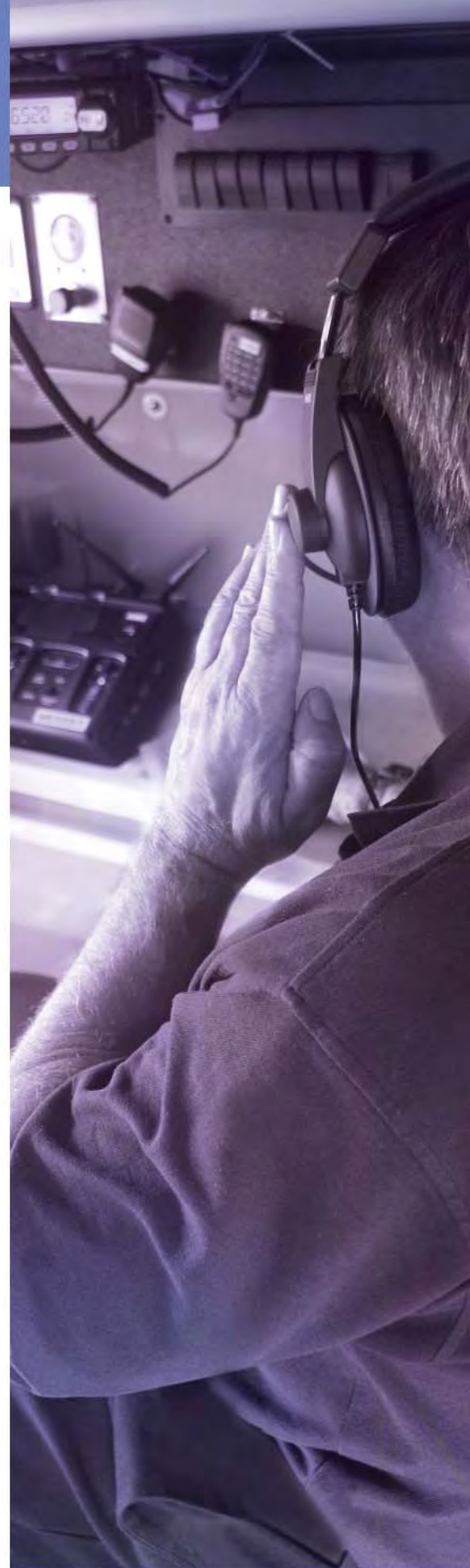
HS14 Headset

Comfortable, single-muff, over-the-ear, lightweight headset. Electret unidirectional microphone mounted on a flexible boom.

HS14D Headset

Comfortable, dual-muff, over-the-ear, lightweight headset. Electret unidirectional microphone mounted on a flexible boom.

HS15 Headset

Ultra comfortable, single-muff, over-the-ear, lightweight headset. Electret noise-canceling microphone mounted on a flexible boom which rotates for left or right side use.

HS15D Headset

Ultra comfortable, dual-muff, over-the-ear, lightweight headset. Electret noise-canceling microphone mounted on a flexible boom which rotates for left or right side use.

HS16 Headset

Super lightweight, single-muff headset with noise-canceling electret microphone is worn on either ear. Flexible microphone boom ensures optimal sound clarity. Adjustable stainless steel headband provides stable, comfortable fit while ensuring secure positioning of microphone boom.
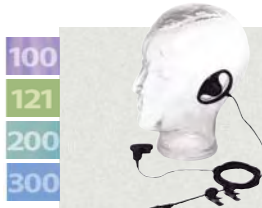
HS4-3 Earpiece & Lapel Mic

This earpiece and multi-directional electret lapel microphone combo is perfect for more discreet applications where clear, reliable communication is critical, but needs to be less conspicuous.

MD-XLR Headset Adapter

These adapters enable headsets with dynamic mics and XLR connectors to interface with all the DX Series headset jacks. An active built-in circuit provides impedance matching and DC isolation. XLR adapters interface with 4P male, 4P female or 5P male headset connectors.

Headset Interface Adapter

The HSI6000 allows a standard 2.5mm cell phone headset to be connected to the DX Series beltpacs.

Headset Extension Cable

6-foot headset extension cable for all mini-DIN DX Series headset connectors.

SP10 Base Station Monitor Speaker

Compact 8 ohm speaker that is easily connected to a BS200 Base Station or WS200 Wireless Speaker Station.

Antenna Extension Cables

These 6-foot or 30-foot cables enhance the RF signal of DX bases installed in demanding applications. The 6-foot and 30-foot cable is ideal when antennas must be mounted remotely from the equipment rack.
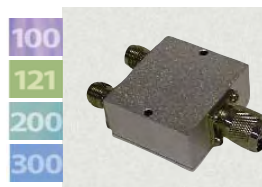
Antenna Splitter

The 2-way antenna splitter/combiner allows flexible spot coverage.

Base Antenna

4.7" reverse TNC base station antenna. 50 ohm omnidirectional half-wave dipole.

Rack Mount Kit 1-RU Panel

Permits the base station antennas to be mounted on the front of the rack panel instead of the back of the base station.

AC40A Battery Charger

Up to four BAT41 Batteries for BP200/300 Beltpacs and WH200/300 All-in-One Wireless Headsets can be charged simultaneously in less than three hours. Charger comes with a 100/240 VAC power supply.

BAT41 Rechargeable Battery

Lithium-ion battery provides 20 hours of push-to-talk operation when used with DX Series beltpacs or all-in-one headsets.

12VDC Power Supply

115/230 VAC universal power supply and cord for all DX Series Base Stations, AC40A Battery Charger and WS200 Wireless Speaker Station.

Beltpac Pouch

Santoprene™ rubber protective pouch with internal clip for BP200 and BP300 Beltpacs.

AC850 Battery Charger

This 4-port unit charges BAT850 NiMH Battery for MB Series Base Stations and WS200 Wireless Speaker Stations. Charger comes with a 100/240 VAC power supply.

BAT850 Rechargeable Battery

A more cost-effective alternative than using six 1.5V "AA" batteries, the 7.2V 2300 mAH NiMH battery provides hours of reliable, uninterrupted operation for MB Series Base Stations and WS200 Wireless Speaker Stations.

Travel Case

Travel case for DX300 Systems includes foam insert cutouts.

MB300 Interconnect Cable

7-foot cable with RJ45 connectors for linking up to four MB300 Base Stations.

CL200 Call Light Actuator

Used with BS200 Base Station to trigger the call light of a WS200 Wireless Speaker Station.

Foam Ear Pads

Used on the HS16 Headsets.

System Specifications				
	DX100/DX100C	**DX121/DX121C**	**DX200/DX200C**	**DX300/DX300ES**
RF Frequency Range	All Band 2400-2483.5 MHz Low Band 2401.9-2439.9 MHz High Band 2443.4-2481.4 MHz	All Band 2400-2483.5 MHz Low Band 2401.9-2439.9 MHz High Band 2443.4-2481.4 MHz	All Band 2400-2483.5 MHz Low Band 2401.9-2439.9 MHz High Band 2443.4-2481.4 MHz	All Band 2400-2483.5 MHz Low Band 2401.9-2439.9 MHz High Band 2443.4-2481.4 MHz
Frequency Response	200 Hz-3.5 kHz	200 Hz-3.5 kHz	200 Hz-3.5 kHz	200 Hz-3.5 kHz
Distortion	<2%	<2%	<2%	<2%
RF Sensitivity	<-90dBm with 10^{-3} BER	<-90dBm with 10^{-3} BER	<-90dBm with 10^{-3} BER	<-90dBm with 10^{-3} BER
Temperature Range	-4 to 131ºF (-20 to 55ºC) Typ.	-4 to 131ºF (-20 to 55ºC) Typ.	-4 to 131ºF (-20 to 55ºC) Typ.	-4 to 131ºF (-20 to 55ºC) Typ.
Transmit/Receive Type	Frequency-Hopping Spread Spectrum (FHSS)	Frequency-Hopping Spread Spectrum (FHSS)	Frequency-Hopping Spread Spectrum (FHSS)	Frequency-Hopping Spread Spectrum (FHSS)
Modulation Type	Gaussian Filtered FSK, TDMA	Gaussian Filtered FSK, TDMA	Gaussian Filtered FSK, TDMA	Gaussian Filtered FSK, TDMA
Encryption	64-bit	64-bit	64-bit	64-bit

COMMUNICATOR® Specifications			
	BP200/BP300	**WH200/WH300**	**WS200**
Transmit Power	100 mW Burst	100 mW Burst	100 mW Burst
Antenna	Internal, Dual-Diversity	Internal	Internal, Dual-Diversity
Mic Input	Electret	N/A	Electret
Headset Connector	Mini-DIN	N/A	Mini-DIN
Headset Output	160 mW into 32Ω Capable of Driving 16 to 32Ω	160 mW into 32Ω	160 mW into 32Ω Capable of Driving 16 to 32Ω
Size	3.4" x 2.6" x 1.5" (8.64 cm x 6.60 cm x 3.81 cm)	N/A	10.2" x 6.45" x 3.33" (25.91 cm x 16.38 cm x 8.46 cm)
Weight	7.4 oz (0.21 kg) with Battery & Pouch	5.7 oz (0.16 kg) with Battery	2.56 lb (1.16 kg) with Battery
Power Requirements	One Lithium-Ion Rechargeable	One Lithium-Ion Rechargeable	100-240 VAC, 50-60 Hz, 12-14 VDC or Six "AA" Cells (NiMH Optional)
Battery Life	Hands-Free: Up to 14 Hrs PTT: Up to 20 Hrs	Hands-Free: Up to 14 Hrs PTT: Up to 20 Hrs	Headset Only: Up to 16 Hrs Internal Speaker Only: Up to 8 Hrs
FCC Acceptance	Part 15 (No License Required)	Part 15 (No License Required)	Part 15 (No License Required)

SPECIFICATIONS

Base Station Specifications				
	MB100	**BS121**	**BS200**	**MB300/MB300ES**
Transmit Power	100 mW Burst	100 mW Burst	100 mW Burst	100 mW Burst
TX & RX Antenna Dipole	½-Wave, Dual-Diversity Dipole	½-Wave, Dual-Diversity Dipole	½-Wave, Dual-Diversity Dipole	½-Wave, Dual-Diversity Dipole
8-Wire I/O	N/A	N/A	N/A	RJ-45, 600Ω Balanced, Fixed Level
4-Wire I/O	N/A	Terminal Strip Connector, 600Ω Balanced, Level Adjustable	RJ-45, 600Ω Balanced, Level Adjustable, Simultaneous Operation with 2-Wire	N/A
2-Wire I/O	N/A	N/A	XLR-3F & 3M, Externally-Switchable RTS or ClearCom Mode, 200Ω, Null Adjustable	N/A
Headset I/O	N/A	200Ω Balanced, Level Adjustable	N/A	N/A
Relay I/O	N/A	5-Pin Terminal Strip Connector, NC, COM, NO, I.C.SEL, GND	N/A	8-Pin Terminal Strip Connector, NC, COM, NO, GND (x2) (ES only)
Auxiliary Input	N/A	N/A	XLR-3F/¼" Phone Combo Jack, 600Ω Balanced, Level Adjustable	Terminal Strip Connector, 24KΩ Balanced, Level Adjustable
Auxiliary Output	N/A	N/A	XLR-3M, 600Ω Balanced, Level Adjustable	Terminal Strip Connector, 600Ω Balanced, Level Adjustable
Mic Input	Electret	N/A	Electret	Electret (x2)
Headset Connector	N/A	N/A	Mini-DIN	Mini-DIN (x2)
Headset Output	N/A	N/A	250 mW into 32Ω	200 mW into 32Ω
Size	10.2" x 6.45" x 3.33" (25.91 cm x 16.38 cm x 8.46 cm)	1.62" x 5.50" x 7.88" (4.1 cm x 14 cm x 20 cm)	19" x 1.72" x 13.50" (1-RU) (48.26 cm x 4.37 cm x 34.29 cm)	8" x 8" x 3.5" (20.32 cm x 20.32 cm x 8.89 cm)
Weight	2.42 lb (1.1 kg) with Battery	1.2 lb (0.59 kg) with Battery	9.2 lb (4.17 kg)	2.8 lb. (1.3 kg) with Battery
Power Requirements	100-240 VAC, 50-60 Hz or 12-14 VDC or Six "AA" Cells (NiMH Optional)	100-240 VAC, 50-60 Hz or 12-14 VDC or one Lithium-Ion Rechargeable Battery	100-240 VAC, 50-60 Hz or 12-14 VDC	100-240 VAC, 50-60 Hz or 12-14 VDC or Six "AA" Cells (NiMH Optional)
Battery Life	Up to 10 Hrs	Up to 30 Min	N/A	Up to 6 Hrs (with Lithium "AA")
FCC Acceptance	Part 15 (No License Required)	Part 15 (No License Required)	Part 15 (No License Required)	Part 15 (No License Required)

RoHS Compliance

HME fully supports the efforts of the European Union to control the use and disposal of hazardous materials and has implemented a comprehensive program which ensures all our products are compliant with the RoHS legislation.

HME HISTORY

A privately held company, HME has continued to be a leading provider of innovative pro audio products for over three decades. HME developed the first wireless intercom system for pro audio in 1979 and continues to introduce exciting, cutting-edge wireless intercoms that enhance communication, increase productivity and facilitate creativity for virtually any application. Our comprehensive line of wireless intercoms is designed with you in mind — helping you choose the right system for the best performance possible.

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