



**SHURE**<sup>®</sup>

LEGENDARY  
PERFORMANCE<sup>™</sup>

PGX DIGITAL WIRELESS SYSTEMS

**PURE DIGITAL SOUND,  
UNLEASHED.**



PGX Digital Wireless Systems

# TOTAL CLARITY. ROCK-SOLID RELIABILITY.

The precision of 24-bit digital audio comes to the renowned Shure PGX Wireless System. Combining rugged, trusted Shure microphones with state of the art digital wireless technology, PGX Digital delivers stunning sound and a strong, clean RF signal. Add in easy setup and operation, and the result is wireless audio that completely redefines clarity, simplicity and performance.



EACH SYSTEM INCLUDES:

## PGXD4 Wireless Receiver

- 24-bit/48kHz digital technology for incredibly accurate sound
- Scan and sync quickly and easily sets up the system with a clear channel
- True digital diversity for a rock-solid wireless signal
- 900 MHz operation free from TV signal interference
- Up to 5 compatible systems per frequency band (region dependent)
- 1/4" and XLR audio outputs

## PGXD2 Handheld [OR] PGXD1 Bodypack Transmitter

- Shure microphones trusted by musicians for over 80 years
- Rugged construction for reliable performance
- Up to 10 hours of continuous use from 2 AA batteries (9 hours PGXD2)
- Up to 200 ft (60 m) range for total wireless freedom

PGXD2 HANDHELD OPTIONS:

## VOCAL

For lead and backup vocals.



**SM58®**  
CARDIOID | DYNAMIC  
Industry-standard microphone tailored to deliver warm and clear vocal reproduction



**BETA58A®**  
SUPERCARDIOID | DYNAMIC  
Precision-engineered microphone optimized for lead vocal applications



**PG58**  
CARDIOID | DYNAMIC  
Professional quality microphone for lead and backup vocal performance applications



**SM86**  
CARDIOID | CONDENSER  
Rugged microphone with extended high frequency response for smooth reproduction of lead vocals

\*BETA87A Supercardioid Condenser Microphone is also available (Australia only)

PGXD1 BODYPACK TRANSMITTER OPTIONS:

## INSTRUMENT

For guitar, bass, wind, and percussion instruments.



**WA302**  
Instrument cable to connect transmitter to a guitar or bass



**BETA98H/C**  
CARDIOID | CONDENSER  
Precision-engineered miniature microphone with integrated gooseneck

## HEADSET

For vocalists, presenters, aerobics instructors and drummers.



**PGA31**  
CARDIOID | CONDENSER  
Comfortable, durable head-worn microphone for active performance applications

## PRESENTER

For presenters, instructors, teachers and clergy.



**WL93**  
OMNIDIRECTIONAL | CONDENSER  
Subminiature lavalier microphone with tie clip and windscreen



**WL185**  
CARDIOID | CONDENSER  
Lavalier microphone with tie clip and windscreen



# Technical Specifications

## PGXD2 HANDHELD OPTIONS:

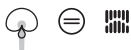
Model	Includes
<b>BETA58A<sup>®</sup></b> VOCAL	<ul style="list-style-type: none"> <li>BETA58A Handheld Microphone with PGXD2 Transmitter</li> <li>PGXD4 Wireless Receiver</li> <li>Padded Carrying Case</li> <li>Microphone Clip</li> <li>2 AA Batteries</li> </ul>

50Hz – 16kHz



<b>BETA87A</b> VOCAL <i>(Available only in Australia)</i>	<ul style="list-style-type: none"> <li>BETA87A Handheld Microphone with PGXD2 Transmitter</li> <li>PGXD4 Wireless Receiver</li> <li>Padded Carrying Case</li> <li>Microphone Clip</li> <li>2 AA Batteries</li> </ul>
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50Hz – 16kHz



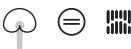
<b>SM58<sup>®</sup></b> VOCAL	<ul style="list-style-type: none"> <li>SM58 Handheld Microphone with PGXD2 Transmitter</li> <li>PGXD4 Wireless Receiver</li> <li>Padded Carrying Case</li> <li>Microphone Clip</li> <li>2 AA Batteries</li> </ul>
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50Hz – 15kHz



<b>SM86</b> VOCAL	<ul style="list-style-type: none"> <li>SM86 Handheld Microphone with PGXD2 Transmitter</li> <li>PGXD4 Wireless Receiver</li> <li>Padded Carrying Case</li> <li>Microphone Clip</li> <li>2 AA Batteries</li> </ul>
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50Hz – 16kHz



<b>PG58</b> VOCAL	<ul style="list-style-type: none"> <li>PG58 Handheld Microphone with PGXD2 Transmitter</li> <li>PGXD4 Wireless Receiver</li> <li>Padded Carrying Case</li> <li>Microphone Clip</li> <li>2 AA Batteries</li> </ul>
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60Hz – 15kHz



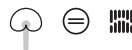
## PGXD1 BODYPACK TRANSMITTER OPTIONS:

Model	Includes
<b>WA302</b> INSTRUMENT	<ul style="list-style-type: none"> <li>WA302 Instrument Cable</li> <li>PGXD1 Bodypack Transmitter</li> <li>PGXD4 Wireless Receiver</li> <li>Padded Carrying Case</li> <li>2 AA Batteries</li> </ul>



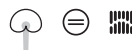
<b>BETA98H/C</b> INSTRUMENT	<ul style="list-style-type: none"> <li>BETA98H/C Clip-on Instrument Microphone</li> <li>PGXD1 Bodypack Transmitter</li> <li>PGXD4 Wireless Receiver</li> <li>Padded Carrying Case</li> <li>2 AA Batteries</li> </ul>
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20Hz – 20kHz



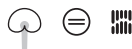
<b>PGA31</b> HEADSET	<ul style="list-style-type: none"> <li>PGA31 Headset Microphone</li> <li>PGXD1 Bodypack Transmitter</li> <li>PGXD4 Wireless Receiver</li> <li>Padded Carrying Case</li> <li>2 AA Batteries</li> </ul>
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40Hz – 20kHz



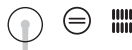
<b>WL185</b> PRESENTER	<ul style="list-style-type: none"> <li>WL185 Lavalier Microphone</li> <li>PGXD1 Bodypack Transmitter</li> <li>PGXD4 Wireless Receiver</li> <li>Padded Carrying Case</li> <li>Tie Clip</li> <li>Windscreen</li> <li>2 AA Batteries</li> </ul>
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50Hz – 20kHz



<b>WL93</b> PRESENTER	<ul style="list-style-type: none"> <li>WL93 Subminiature Lavalier Microphone</li> <li>PGXD1 Bodypack Transmitter</li> <li>PGXD4 Wireless Receiver</li> <li>Padded Carrying Case</li> <li>Tie Clip</li> <li>Windscreen</li> <li>2 AA Batteries</li> </ul>
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50Hz – 20kHz



## TECHNICAL SPECIFICATIONS:

### Operating Range:

200 ft (60 m) line of sight  
*(actual range depends on RF signal absorption, reflection and interference)*

### RF Carrier Range:

X8: 902–928 MHz (Americas)  
X8A: 915–928 MHz (Australia)  
X8B: 902–907.5 MHz, 915–928 MHz (Brazil)

### Audio Frequency Range:

20–20,000 Hz  
*(dependent on microphone type)*

### Transmitter RF Output Power:

10 mW  
*(varies by region)*

### Audio Output Connector:

XLR and 1/4" (6.3 mm) unbalanced

### Maximum Output Level:

-2.5 dBV (XLR, mic level), +10 dBV (1/4")

### Battery Life:

PGXD1: Up to 10 hours  
PGXD2: Up to 9 hours

### Dynamic Range:

108 dB A-weighted

### System Distortion:

< 0.02% THD typical  
*(ref. +/- 38 kHz deviation, 1 kHz tone)*

### Operating Temperature Range:

-18°C (0°F) – +50°C (122°F)

### Power Requirements:

PGXD1, PGXD2: 2 AA size alkaline or rechargeable batteries  
PGXD4: 12–18 V DC at 150 mA, supplied by external power supply

*Note: Performance may vary depending on country regulations and operating environment.*

### Operating Principle

Dynamic Condenser

### Polar Pattern

Cardioid SuperCardioid OmniDirectional

### Frequency Response

Flat Tailored

**SHURE<sup>®</sup>**  
LEGENDARY  
PERFORMANCE™

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