

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

PGX Wireless Systems

**GO WHEREVER  
THE MUSIC TAKES YOU.**



PGX Wireless Systems

# STAGE-PROVEN. PERFORMANCE READY.

Combining rugged, trusted Shure microphones with proven wireless technology, Shure PGX delivers professional quality sound and true freedom of movement for vocalists, musicians and presenters. With an extended range and long battery life, plus easy setup and operation, it's wireless audio that lets you own the stage — right out of the box.



EACH SYSTEM INCLUDES:

## PGX4 Wireless Receiver

- Microprocessor-controlled diversity for a dependable wireless signal
- Scan and sync quickly and easily sets up the system with a clear channel
- Up to 12 compatible systems per frequency band (region dependent)
- 1/4" and XLR audio outputs

## PGX2 Handheld [OR] PGX1 Bodypack Transmitter

- Shure microphones trusted by musicians for over 80 years
- Rugged construction for reliable performance
- Up to 8 hours of continuous use from 2 AA batteries
- Up to 300 ft (100 m) range for total wireless freedom

## 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



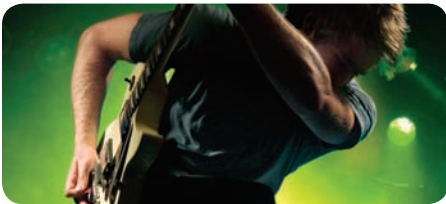
**SM86**  
CARDIOID | CONDENSER  
Rugged microphone with extended high frequency response for smooth reproduction of lead vocals



**BETA87A®**  
SUPERCARDIOID | CONDENSER  
Precision-engineered for lead and background vocal applications

## 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.



**PG30**  
CARDIOID | CONDENSER  
Professional quality headset microphone with comfortable, adjustable, secure fit

## 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

## PGX2 HANDHELD OPTIONS:

Model	Includes
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<b>BETA58A<sup>®</sup></b> VOCAL	<ul style="list-style-type: none"> <li>BETA58A Handheld Microphone with PGX2 Transmitter</li> <li>PGX4 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>BETA87A</b> VOCAL	<ul style="list-style-type: none"> <li>BETA87A Handheld Microphone with PGX2 Transmitter</li> <li>PGX4 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 PGX2 Transmitter</li> <li>PGX4 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 PGX2 Transmitter</li> <li>PGX4 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 PGX2 Transmitter</li> <li>PGX4 Wireless Receiver</li> <li>Padded Carrying Case</li> <li>Microphone Clip</li> <li>2 AA Batteries</li> </ul>
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60Hz – 15kHz

## PGX1 BODYPACK TRANSMITTER OPTIONS:

Model	Includes
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<b>WA302</b> INSTRUMENT	<ul style="list-style-type: none"> <li>WA302 Instrument Cable</li> <li>PGX1 Bodypack Transmitter</li> <li>PGX4 Wireless Receiver</li> <li>Padded Carrying Case</li> <li>2 AA Batteries</li> </ul>
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<b>BETA98H/C</b> INSTRUMENT	<ul style="list-style-type: none"> <li>BETA98H/C Clip-on Instrument Microphone</li> <li>PGX1 Bodypack Transmitter</li> <li>PGX4 Wireless Receiver</li> <li>Padded Carrying Case</li> <li>2 AA Batteries</li> </ul>
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20Hz – 20kHz

<b>PG30</b> HEADSET	<ul style="list-style-type: none"> <li>PG30 Headset Microphone</li> <li>PGX1 Bodypack Transmitter</li> <li>PGX4 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>PGX1 Bodypack Transmitter</li> <li>PGX4 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>PGX1 Bodypack Transmitter</li> <li>PGX4 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:**  
300 ft (100 m) line of sight  
*(actual range depends on RF signal absorption, reflection and interference)*

**Available Frequencies:**  
Between 470–932 MHz  
*(available frequencies depend on applicable regulations in country where system used)*

**Audio Range:**  
45–15,000 Hz  
*(dependent on microphone type)*

**Transmitter RF Output Power:**  
30 mW maximum  
*(varies by region)*

**Audio Output Connector:**  
XLR and 1/4" (6.3 mm) unbalanced

**Maximum Output Level:**  
-19 dBV (XLR, mic level),  
-5 dBV (1/4")

**Battery Life:**  
Up to 8 hours

**Dynamic Range:**  
100 dB A-weighted

**System Distortion:**  
0.5% THD typical  
*(ref. +/- 38 kHz deviation, 1 kHz tone)*

**Operating Temperature Range:**  
-18°C (0°F) – +50°C (122°F)

**Power Requirements:**  
PGX1, PGX2: 2 AA size alkaline or rechargeable batteries

PGX4: 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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