

**SHURE**<sup>®</sup>

LEGENDARY  
PERFORMANCE™

BLX Wireless Systems

**BLX  
WIRELESS SYSTEMS**

Analog

## BLX WIRELESS SYSTEMS

# WIRELESS FREEDOM, MADE SIMPLE.

Making the jump to wireless should be liberating, not challenging. Shure BLX Wireless Systems combine professional quality sound with simple setup and an intuitive interface, for performance you can trust right out of the box. Precision built and available in a variety of handheld, lavalier, instrument and headset configurations, it's the most accessible way to own the stage.

### BLX4, BLX4R and BLX88 Diversity Receivers

- Up to 12 compatible systems per frequency band (region dependent)
- Microprocessor-controlled internal antenna diversity
- One-touch QuickScan frequency selection quickly locates the best frequency
- 1/4~ and XLR audio outputs
- Two color audio status indicator LED



BLX4 Wireless Receiver



BLX4R Rack Mount Wireless Receiver

#### Additional BLX4R features:

- Adjustable output level
- Removable antennas for quick antenna distribution
- LCD display with detailed RF and audio metering
- Rugged metal construction, rack mount hardware included



BLX88 Dual Wireless Receiver

### Wireless Transmitters

- Power and battery status LED
- Adjustable gain control
- Quick & easy frequency matching
- 2 AA batteries (included) provide up to 14 hours of continuous use
- 91 m operating range (line of sight)



BLX2 Handheld Transmitter



BLX1 Bodypack Transmitter

## Vocal



### PG58

#### Vocal Microphone

A rugged mic tuned to accentuate the clarity of lead and backup vocals.



### PG58 COMBO

#### 2 Vocal Microphones

2 rugged mics tuned to accentuate the clarity of lead and backup vocals.



### SM58

#### Vocal Microphone

Industry standard microphone tailored to deliver warm and clear vocal reproduction.

Lead Vocals  
Backup Vocals



Model:  
BLX24/PG58  
BLX24R/PG58

60 Hz - 15 KHz

Lead Vocals  
Backup Vocals



Model:  
BLX288/PG58

60 Hz - 15 KHz

Lead Vocals  
Backup Vocals



Model:  
BLX24/SM58  
BLX24R/SM58

50 Hz - 15 KHz



### SM58 COMBO

#### 2 Vocal Microphones

Industry standard microphone tailored to deliver warm and clear vocal reproduction.



### BETA 58A

#### Vocal Microphone

Dynamic vocal microphone precision-engineered for professional sound reinforcement and project studio recording.



### BETA 58A COMBO

#### 2 Vocal Microphones

Dynamic vocal microphone precision-engineered for professional sound reinforcement and project studio recording.

Lead Vocals  
Backup Vocals



Model:  
BLX288/SM58

50 Hz - 15 KHz

Lead Vocals  
Backup Vocals



Model:  
BLX24/B58  
BLX24R/B58

50 Hz - 16 KHz

Lead Vocals  
Backup Vocals



Model:  
BLX288/B58

50 Hz - 16 KHz

## Guitar



### WA302

#### Guitar/Bass Cable

0,7 m Guitar/  
Bass Cable



### WA302 COMBO

#### 2 Guitar/Bass Cables

0,7 m Guitar/  
Bass Cable. 2 Bodypacks.

Guitar  
Bass



Model:  
BLX14

Guitar  
Bass



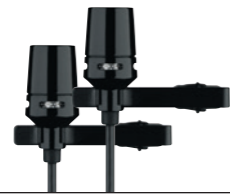
Model:  
BLX14

## Presenter



### CVL

**Lavalier Microphone**  
Reliable wearable mic for spoken word applications.



### CVL COMBO

**2 Lavalier Microphones**  
2 reliable wearable mics for spoken word applications.



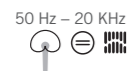
### MX153

**Subminiature Earset**  
Subminiature earset headworn microphone for use in speech and other applications requiring discreet placement.

Seminars Presentations



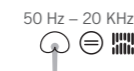
Model:  
BLX14/CVL  
BLX14R/CVL



Seminars Presentations



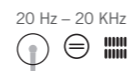
Model:  
BLX188/CVL



Seminars Presentations



Model:  
BLX14/MX53  
BLX14R/MX53



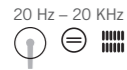
### MX153 COMBO

**Subminiature Earset**  
2 subminiature earset headworn microphones for use in speech and other applications requiring discreet placement.  
2 bodypacks.

Seminars Presentations



Model:  
BLX188/MX53



### PGA98H

**Instrument Microphone**  
Rugged microphone optimized for wind instrument performance and recording.

Brass Woodwind



Model:  
BLX14/PGA98H  
BLX14R/PGA98H



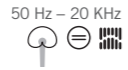
### WL185

**Lavalier Microphone**  
Premium condenser lavalier mic for speech applications.

Seminars Presentations



Model:  
BLX14/W85  
BLX14R/W85



### BETA 98H/C

**Instrument Microphone**  
Cardioid condenser microphone with a flexible gooseneck mount that clamps directly to the bell or rim for precise positioning.

Brass Woodwind



Model:  
BLX14/B98  
BLX14R/B98



## Headset



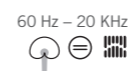
### PGA31

**Headset Microphone**  
Comfortable, reliable headworn microphone for active users.

Lead Vocals Backup Vocals



Model:  
GLXD14/PGA31



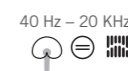
### SM35

**Headset Microphone**  
Rugged, comfortable headworn microphone for roadworthy high-quality live vocal performance applications.

Active Performers Multi-instrumentalists



Model:  
BLX14/SM35  
BLX14R/SM35



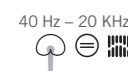
### SM35 COMBO

**2 Headset Microphones**  
2 rugged, comfortable headworn microphone for roadworthy high-quality live vocal performance applications.

Active Performers Multi-instrumentalists



Model:  
BLX188/SM35



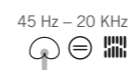
### SM31FH

**Fitness Headset Microphone**  
Rugged, comfortable microphone with increased moisture-resistance for active speech and fitness applications.

Fitness Applications Aerobic Instructors



Model:  
BLX14/SM31FH  
BLX14R/SM31FH



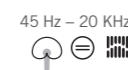
### SM31FH COMBO

**2 Fitness Headset Microphones**  
2 rugged, comfortable microphones with increased moisture-resistance for active speech and fitness applications.

Fitness Applications Aerobic Instructors



Model:  
BLX188/SM31FH



## Combo



### WL185

**Lavalier Microphone**  
Premium condenser lavalier mic for speech applications.

### CVL

**Lavalier Microphone**  
Reliable wearable mic for spoken word applications.

### WA302

**Guitar/Bass Cable**  
2,5 ft. / 0,7 m Guitar/Bass Cable.

### SM58

**Vocal Microphone**  
Industry standard microphone tailored to deliver warm and clear vocal reproduction.

### PG58

**Vocal Microphone**  
A rugged mic tuned to accentuate the clarity of lead and backup vocals.

### SM58

**Vocal Microphone**  
Industry standard microphone tailored to deliver warm and clear vocal reproduction.

Model:  
Model: BLX1288/W85

ANALOG DUAL

Model:  
Model: BLX1288/CVL

ANALOG DUAL

Model:  
Model: BLX1288/SM58

ANALOG DUAL



### MX153

**Subminiature Earset**  
Subminiature earset headworn microphone for use in speech and other applications requiring discreet placement.

### SM35

**Headset Microphone**  
Rugged, comfortable headworn microphone for roadworthy high-quality live vocal performance applications.

### SM31FH

**Fitness Headset Microphone**  
Rugged, comfortable microphone with increased moisture-resistance for active speech and fitness applications.

### SM58

**Vocal Microphone**  
Industry standard microphone tailored to deliver warm and clear vocal reproduction.

### SM58

**Vocal Microphone**  
Industry standard microphone tailored to deliver warm and clear vocal reproduction.

### SM58

**Vocal Microphone**  
Industry standard microphone tailored to deliver warm and clear vocal reproduction.

Model:  
Model: BLX1288/MX53

ANALOG DUAL

Model:  
Model: BLX1288/SM35

ANALOG RACKABLE

Model:  
Model: BLX1288/SM31FH

ANALOG DUAL



### PGA31

**Headset Microphone**  
Comfortable, reliable headworn microphone for active users.

### PG58

**Vocal Microphone**  
A rugged mic tuned to accentuate the clarity of lead and backup vocals.

Model:  
Model: BLX1288/P31

ANALOG DUAL

## SYSTEM OPTIONS AND TECHNICAL SPECIFICATIONS

### BLX2 HANDHELD SYSTEM OPTIONS

| Model                                    | Includes  |
|--|---|
| <b>BETA58A®</b><br>VOCAL<br>50Hz – 16kHz | <ul style="list-style-type: none"> <li>BETA 58A® Handheld Microphone with BLX2 Transmitter</li> <li>BLX4 or BLX4R Wireless Receiver</li> <li>Durable Padded Zipper Case</li> <li>Break-resistant Microphone Clip</li> <li>2 AA Batteries</li> </ul> |

| Model                                | Includes   |
|--------------------------------------|--|
| <b>PG58</b><br>VOCAL<br>60Hz – 15kHz | <ul style="list-style-type: none"> <li>PG58 Handheld Microphone with BLX2 Transmitter</li> <li>BLX4 or BLX88 Wireless Receiver</li> <li>Break-resistant Microphone Clip</li> <li>2 AA Batteries</li> </ul> |

| Model                                | Includes  |
|--------------------------------------|---|
| <b>SM58</b><br>VOCAL<br>50Hz – 15kHz | <ul style="list-style-type: none"> <li>SM58® Handheld Microphone with BLX2 Transmitter</li> <li>BLX4 or BLX4R Wireless Receiver</li> <li>Durable Padded Zipper Case</li> <li>Break-resistant Microphone Clip</li> <li>2 AA Batteries</li> </ul> |

### BLX1 BODYPACK SYSTEM OPTIONS

| Model                  | Includes  |
|------------------------|---|
| <b>WA302</b><br>GUITAR | <ul style="list-style-type: none"> <li>WA302 Guitar Cable</li> <li>BLX1 Bodypack Transmitter with 2 AA Batteries (included)</li> <li>BLX4 or BLX4R Wireless Receiver</li> <li>Durable Padded Zipper Case</li> </ul> |

| Model                                   | Includes   |
|---|--|
| <b>PGA31</b><br>HEADSET<br>40Hz – 20kHz | <ul style="list-style-type: none"> <li>PGA31 Headset Microphone</li> <li>BLX1 Bodypack Transmitter with 2 AA Batteries (included)</li> <li>BLX4, BLX4R OR BLX88 Wireless Receiver</li> <li>Windscreen</li> </ul> |

| Model                                       | Includes   |
|---|--|
| <b>PGA98H</b><br>INSTRUMENT<br>60Hz – 20kHz | <ul style="list-style-type: none"> <li>PGA98H Instrument Microphone</li> <li>BLX1 Bodypack Transmitter with 2 AA Batteries (included)</li> <li>BLX4, BLX4R OR BLX88 Wireless Receiver</li> <li>Windscreen</li> </ul> |

| Model  | Includes  |
|--|---|
| <b>BETA98C</b><br>INSTRUMENT<br>20Hz – 20kHz | <ul style="list-style-type: none"> <li>BETA 98H/C Instrument Microphone</li> <li>BLX1 Bodypack Transmitter with 2 AA Batteries (included)</li> <li>BLX4 or BLX4R Wireless Receiver</li> <li>Durable Padded Zipper Case</li> </ul> |

| Model                                     | Includes  |
|---|---|
| <b>MX153</b><br>PRESENTER<br>20Hz – 20kHz | <ul style="list-style-type: none"> <li>MX153 Earset Microphone</li> <li>BLX1 Bodypack Transmitter with 2 AA Batteries (included)</li> <li>BLX4R Wireless Receiver</li> <li>Durable Padded Zipper Case</li> <li>Collar Clip, Windscreen, and Protective Pouch</li> </ul> |

| Model                                   | Includes   |
|---|--|
| <b>CVL</b><br>PRESENTER<br>60Hz – 12kHz | <ul style="list-style-type: none"> <li>CVL Lavalier Microphone</li> <li>BLX1 Bodypack Transmitter with 2 AA Batteries (included)</li> <li>BLX4, BLX4R OR BLX88 Wireless Receiver</li> <li>Tie Clip and Windscreen</li> </ul> |

| Model                                     | Includes  |
|---|---|
| <b>WL185</b><br>PRESENTER<br>50Hz – 20kHz | <ul style="list-style-type: none"> <li>WL185 Lavalier Microphone</li> <li>BLX1 Bodypack Transmitter with 2 AA Batteries (included)</li> <li>BLX4R Wireless Receiver</li> <li>Durable Padded Zipper Case</li> <li>Tie Clip and Windscreen</li> </ul> |

| Model                                    | Includes  |
|--|---|
| <b>SM31FH</b><br>HEADSET<br>40Hz – 20kHz | <ul style="list-style-type: none"> <li>SM31FH Headset Microphone</li> <li>BLX1 Bodypack Transmitter with 2 AA Batteries (included)</li> <li>BLX4, BLX4R OR BLX88 Wireless Receiver</li> <li>Windscreen</li> </ul> |

| Model                                  | Includes  |
|--|---|
| <b>SM35</b><br>HEADSET<br>40Hz – 20kHz | <ul style="list-style-type: none"> <li>SM35 Headset Microphone</li> <li>BLX1 Bodypack Transmitter with 2 AA Batteries (included)</li> <li>BLX4, BLX4R OR BLX88 Wireless Receiver</li> <li>Windscreen</li> </ul> |

### Technical Specifications

**Operating Range:**  
100 m (300 ft) line of sight (actual range depends on RF signal absorption, reflection and interference)

**Available Frequencies:**  
Between 524 – 865 MHz (available frequencies depend on applicable regulations in country where system used)

**Audio Range:**  
50 – 15,000 Hz (dependent on microphone type)

**Transmitter RF Output Power:**  
10 mW, typical (varies by region)

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

**Maximum Output Level:**  
-27 dBV (XLR, mic level) (into 100kΩ load);  
-13 dBV (1/4") (into 100kΩ load)

**Battery Life:**  
Up to 14 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:**  
BLX1, BLX2: 2 AA alkaline or rechargeable batteries

BLX4: 12 – 18 V DC at 150 mA, supplied by external power supply

BLX4R: 12 – 18 V DC at 260 mA, supplied by external power supply

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

**SHURE**<sup>®</sup>  
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