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.

SYSTEM COMPONENTS

## 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
- 300 feet (91 m) operating range (line of sight)




**BLX2 Handheld Transmitter**




**BLX1 Bodypack Transmitter**

# VOCAL

For lead and backup vocals.



## PG58

CARDIOID | DYNAMIC

Professional-quality microphone capsule for lead and backup vocal performance applications



WITH **BLX4** OR **BLX88**

## SM58®

CARDIOID | DYNAMIC

Industry-standard microphone capsule tailored to deliver warm, clear vocal reproduction



WITH **BLX4** OR **BLX4R**

## BETA 58A®

SUPERCARDIOID DYNAMIC

Precision-engineered microphone capsule optimized for lead vocal applications



WITH **BLX4** OR **BLX4R**

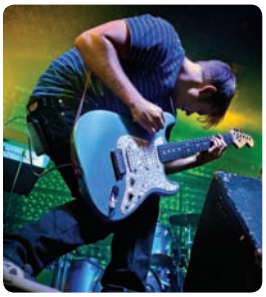
**Optional Accessory:**
5 Color ID Caps for handheld transmitter





# GUITAR

For guitar or bass.



## WA302

GUITAR CABLE

1/4"-to-TA4F instrument cable to connect transmitter to a guitar or bass



WITH **BLX4** OR **BLX4R**

# INSTRUMENT

For brass, wind, and percussion instruments.



## BETA 98H/C

CARDIOID | CONDENSER

Precision-crafted, flexible gooseneck instrument microphone for brass, woodwind, and percussion applications



WITH **BLX4** OR **BLX4R**

# HEADSET

For vocalists, presenters, aerobics instructors and drummers.



## PGA31

CARDIOID | CONDENSER

Comfortable, durable head-worn microphone for active performance applications



WITH **BLX4, BLX4R** OR **BLX88**

## SM31FH

CARDIOID | CONDENSER

Rugged, comfortable head-worn microphone with increased moisture-resistance for active speech and fitness applications



WITH **BLX4, BLX4R** OR **BLX88**

## SM35

CARDIOID | CONDENSER

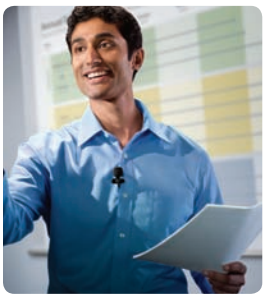
Rugged, comfortable head-worn microphone for roadworthy, high-quality live vocal performance applications



WITH **BLX4, BLX4R** OR **BLX88**

# PRESENTER

For presenters, instructors, teachers and clergy.



## CVL

CARDIOID | CONDENSER

Reliable wearable microphone for spoken word applications



WITH **BLX4, BLX4R** OR **BLX88**

## WL93

OMNIDIRECTIONAL CONDENSER

Miniature wearable microphone for spoken word applications



WITH **BLX4R**

## WL185

CARDIOID | CONDENSER

Premium wearable microphone optimized for spoken word applications

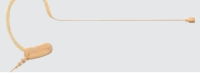


WITH **BLX4R**

## MX153

OMNIDIRECTIONAL CONDENSER

Premium sub-miniature earset microphone for discrete, exceptional clarity in spoken word applications



WITH **BLX4R**

# BLX® Wireless Systems

## BLX2 HANDHELD SYSTEM OPTIONS

| Model | Includes |
|---|---|
| **BETA 58A®**<br>VOCAL<br>**50Hz – 16kHz** | • BETA 58A® Handheld Microphone with BLX2 Transmitter<br>• BLX4 or BLX4R Wireless Receiver<br>• Durable Padded Zipper Case<br>• Break-resistant Microphone Clip<br>• 2 AA Batteries |
| **PG58**<br>VOCAL<br>**60Hz – 15kHz** | • PG58 Handheld Microphone with BLX2 Transmitter<br>• BLX4 or BLX88 Wireless Receiver<br>• Break-resistant Microphone Clip<br>• 2 AA Batteries |

## BLX1 BODYPACK SYSTEM OPTIONS

| Model | Includes |
|---|---|
| **WA302**<br>GUITAR | • WA302 Guitar Cable<br>• BLX1 Bodypack Transmitter with 2 AA Batteries (included)<br>• BLX4 or BLX4R Wireless Receiver<br>• Durable Padded Zipper Case |
| **PGA31**<br>HEADSET<br>**40Hz – 20kHz** | • PGA31 Headset Microphone<br>• BLX1 Bodypack Transmitter with 2 AA Batteries (included)<br>• BLX4, BLX4R OR BLX88 Wireless Receiver<br>• Windscreen |
| **WL93**<br>PRESENTER<br>**50Hz – 20kHz** | • WL93 Lavalier Microphone<br>• BLX1 Bodypack Transmitter with 2 AA Batteries (included)<br>• BLX4R Wireless Receiver<br>• Durable Padded Zipper Case<br>• Tie Clip and Windscreen |
| **MX153**<br>PRESENTER<br>**20Hz – 20kHz** | • MX153 Earset Microphone<br>• BLX1 Bodypack Transmitter with 2 AA Batteries (included)<br>• BLX4R Wireless Receiver<br>• Durable Padded Zipper Case<br>• Collar Clip, Windscreen, and Protective Pouch |

| Model | Includes |
|---|---|
| **SM58®**<br>VOCAL<br>**50Hz – 15kHz** | • SM58® Handheld Microphone with BLX2 Transmitter<br>• BLX4 or BLX4R Wireless Receiver<br>• Durable Padded Zipper Case<br>• Break-resistant Microphone Clip<br>• 2 AA Batteries |

## BLX1 BODYPACK SYSTEM OPTIONS

| Model | Includes |
|---|---|
| **BETA 98H/C**<br>INSTRUMENT<br>**20Hz – 20kHz** | • BETA 98H/C Instrument Microphone<br>• BLX1 Bodypack Transmitter with 2 AA Batteries (included)<br>• BLX4 or BLX4R Wireless Receiver<br>• Durable Padded Zipper Case |
| **CVL**<br>PRESENTER<br>**60Hz – 12kHz** | • CVL Lavalier Microphone<br>• BLX1 Bodypack Transmitter with 2 AA Batteries (included)<br>• BLX4, BLX4R OR BLX88 Wireless Receiver<br>• Tie Clip and Windscreen |
| **WL185**<br>PRESENTER<br>**50Hz – 20kHz** | • WL185 Lavalier Microphone<br>• BLX1 Bodypack Transmitter with 2 AA Batteries (included)<br>• BLX4R Wireless Receiver<br>• Durable Padded Zipper Case<br>• Tie Clip and Windscreen |
| **SM31FH**<br>HEADSET<br>**40Hz – 20kHz** | • SM31FH Headset Microphone<br>• BLX1 Bodypack Transmitter with 2 AA Batteries (included)<br>• BLX4, BLX4R OR BLX88 Wireless Receiver<br>• Windscreen |
| **SM35**<br>HEADSET<br>**40Hz – 20kHz** | • SM35 Headset Microphone<br>• BLX1 Bodypack Transmitter with 2 AA Batteries (included)<br>• BLX4, BLX4R OR BLX88 Wireless Receiver<br>• Windscreen |

**Operating Principle**
Dynamic Condenser

**Polar Pattern**
Cardioid SuperCardioid OmniDirectional

**Frequency Response**
Flat Tailored

## TECHNICAL SPECIFICATIONS

**Operating Range:**
300 ft (91 m) 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),
-13 dBV (1/4")

**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

BLX88: 12–18 V DC at 320 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.*

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