

CLEARLY A DIFFERENT KIND OF WIRELESS.

It's live audio at a whole new level: Shure GLX-D Digital Wireless Systems feature intelligent technology and smart power options that put reliable, professional digital sound in the hands of performers everywhere.

LINKFREQ Automatic Frequency Management THE INTELLIGENT CONNECTION THAT NEVER MISSES A BEAT.

GLX-D Wireless Systems feature LINKFREQ Automatic Frequency Management, making it easy to rely on seamless, crystal-clear audio.

Here's how:

1

Power up receiver and transmitter

2

The receiver continuously analyzes the available frequency spectrum

3

The receiver and transmitter automatically link using the best set of available frequencies.

4

If interference occurs, the receiver and transmitter intelligently move together to the best open frequencies, without ANY audio interruption.

It's that simple. No buttons to push or controls to adjust.

GLX-D Rechargeable Power Management BATTERY POWER THAT'S SMART, FLEXIBLE, AND SUSTAINABLE.

GLX-D transmitters feature best-in-class lithium-ion batteries that quickly recharge using the charging port on the receiver, or a variety of optional USB connectors. Staying ready for the show has never been simpler.



More performing,
less recharging.

Get up to 16 hours
of use from a
single full charge.



Ready to go
when time is tight.

Connect for a 15-minute
quick charge and count on
up to 1.5 hours of performance



An accurate pulse
on battery life.

Precision metering displays
in hours and minutes on the
GLXD4 receiver's LCD screen.



The power
to waste less.

Each rechargeable battery
delivers up to 10,000 hours
of regular use, the equivalent
of up to 2,500 disposable
alkaline batteries.

Charge battery in-transmitter with:



USB
charge cable



USB
wall charger
(available separately)



USB
car charger
(available separately)

Charge battery separately with:



GLXD4 integrated
charge port



USB battery
dock charger
(available separately)

Wireless Receivers



GLXD4 Wireless Receiver

- LINKFREQ Automatic Frequency Management (2.4 GHz frequency band)
- Intelligent frequency management quickly identifies the best open frequencies
- Continuous interference monitoring avoids signal interruption by automatically switching frequencies
- Integrated transmitter battery charging station
- Operate up to 4 compatible systems in typical setting, up to 8 maximum under ideal conditions
- Hi-res LCD screen status display including battery run-time in hours/minutes
- Durable, lightweight construction



GLXD6 Wireless Guitar Pedal Tuner & Receiver

- Guitar pedal design for flexible use and foot control
- Integrated tuner (strobe and needle)
- LINKFREQ Automatic Frequency Management (2.4 GHz frequency band)
- Intelligent frequency management quickly identifies the best open frequencies
- Continuous interference monitoring avoids signal interruption by automatically switching frequencies
- Operate up to 4 compatible systems in typical setting, up to 8 maximum under ideal conditions
- Rugged metal construction

Wireless Transmitters



GLXD2 Handheld Transmitter

- Automatically links to GLXD4 receiver
- Legendary Shure microphone options including the industry-standard SM58®, SM86, Beta 58A® and Beta 87A
- Operating Range
 - Indoors: Up to 100 feet (30 m) typical, with a maximum of 200 feet (60 m) under ideal conditions
 - Outdoors: Up to 65 feet (20 m) typical, with a maximum of 165 feet (50 m) under ideal conditions
- Continuous rechargeable use up to 16 hours
- Sophisticated design with durable, lightweight construction



GLXD1 Bodypack Transmitter

- Automatically links to GLXD4 or GLXD6 receiver
- Operating Range
 - Indoors: Up to 100 feet (30 m) typical, with a maximum of 200 feet (60 m) under ideal conditions
 - Outdoors: Up to 65 feet (20 m) typical, with a maximum of 165 feet (50 m) under ideal conditions
- Continuous rechargeable use up to 16 hours
- Sophisticated design with rugged metal construction

VOCAL

For lead and backup vocals.



SM58®

CARDIOID | DYNAMIC

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



SM86

CARDIOID | CONDENSER

Extended high frequency response microphone capsule for smooth lead vocal reproduction



BETA 58A®

SUPERCARDIOID DYNAMIC

Precision-engineered microphone capsule optimized for lead vocal applications



BETA 87A

SUPERCARDIOID CONDENSER

Precision-engineered microphone capsule tailored for warm, accurate sound and maximum sound isolation



GUITAR

For guitar or bass.



WA302

GUITAR CABLE

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



WA305

PREMIUM GUITAR CABLE

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



INSTRUMENT

For brass, wind, and percussion instruments.



BETA 98H/C

CARDIOID | CONDENSER

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



PRESENTER

For presenters, instructors, teachers and clergy.



WL93

OMNIDIRECTIONAL CONDENSER

Miniature wearable microphone for spoken word applications



WL185

CARDIOID | CONDENSER

Premium wearable microphone optimized for spoken word applications



HEADSET

For vocalists, presenters, aerobics instructors and drummers.



PGA31

CARDIOID | CONDENSER

Comfortable, durable head-worn microphone for active performance applications



SM35

CARDIOID | CONDENSER

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



SM31FH*

CARDIOID | CONDENSER




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









*Available in select regions.



GLX-D® Digital Wireless Systems

GLXD2 HANDHELD SYSTEM OPTIONS


Model	Includes
SM58® VOCAL	<ul style="list-style-type: none"> SM58® Handheld Microphone with GLXD2 Transmitter GLXD4 Wireless Receiver Durable Padded Zipper Case Break-resistant Microphone Clip SB902 Lithium-ion Battery USB Charging Cable
50Hz – 15kHz	  




BETA 58A® VOCAL	<ul style="list-style-type: none"> BETA 58A® Handheld Microphone with GLXD2 Transmitter GLXD4 Wireless Receiver Durable Padded Zipper Case Break-resistant Microphone Clip SB902 Lithium-ion Battery USB Charging Cable
50Hz – 16kHz	  



Model	Includes
SM86 VOCAL	<ul style="list-style-type: none"> SM86 Handheld Microphone with GLXD2 Transmitter GLXD4 Wireless Receiver Durable Padded Zipper Case Break-resistant Microphone Clip SB902 Lithium-ion Battery USB Charging Cable
50Hz – 18kHz	  

BETA 87A VOCAL	<ul style="list-style-type: none"> BETA 87A Wireless Microphone with GLXD2 Transmitter GLXD4 Wireless Receiver Durable Padded Zipper Case Break-resistant Microphone Clip SB902 Lithium-ion Battery USB Charging Cable
50Hz – 20kHz	  


GLXD1 BODYPACK SYSTEM OPTIONS

Model	Includes
WA302 GUITAR	<ul style="list-style-type: none"> WA302 Guitar Cable GLXD1 Bodypack Transmitter GLXD4 Wireless Receiver Durable Padded Zipper Case SB902 Lithium-ion Battery USB Charging Cable
	




SM35 HEADSET	<ul style="list-style-type: none"> SM35 Headset Microphone GLXD1 Bodypack Transmitter GLXD4 Wireless Receiver Durable Padded Zipper Case Windscreen SB902 Lithium-ion Battery USB Charging Cable
40Hz – 20kHz	  

WL93 PRESENTER	<ul style="list-style-type: none"> WL93 Lavalier Microphone GLXD1 Bodypack Transmitter GLXD4 Wireless Receiver Durable Padded Zipper Case Tie Clip and Windscreen SB902 Lithium-ion Battery USB Charging Cable
50Hz – 20kHz	  

BETA 98H/C INSTRUMENT	<ul style="list-style-type: none"> BETA 98H/C Instrument Microphone GLXD1 Bodypack Transmitter GLXD4 Wireless Receiver Durable Padded Zipper Case SB902 Lithium-ion Battery USB Charging Cable
20Hz – 20kHz	  

Model	Includes
WA305 GUITAR PEDAL	<ul style="list-style-type: none"> WA305 Premium Guitar Cable GLXD1 Bodypack Transmitter GLXD6 Wireless Guitar Pedal Tuner and Receiver SB902 Lithium-ion Battery USB Charging Cable
	

SM31FH HEADSET	<ul style="list-style-type: none"> SM31FH Headset Microphone GLXD1 Bodypack Transmitter GLXD4 Wireless Receiver Durable Padded Zipper Case Windscreen SB902 Lithium-ion Battery USB Charging Cable
40Hz – 20kHz	  

PGA31 HEADSET	<ul style="list-style-type: none"> PGA31 Headset Microphone GLXD1 Bodypack Transmitter GLXD4 Wireless Receiver Durable Padded Zipper Case Windscreen SB902 Lithium-ion Battery USB Charging Cable
100Hz – 20kHz	  

WL185 PRESENTER	<ul style="list-style-type: none"> WL185 Lavalier Microphone GLXD1 Bodypack Transmitter GLXD4 Wireless Receiver Durable Padded Zipper Case Tie Clip and Windscreen SB902 Lithium-ion Battery USB Charging Cable
50Hz – 20kHz	  

Operating Principle

 Dynamic  Condenser

Polar Pattern

 Cardioid  SuperCardioid  OmniDirectional

Frequency Response

 Flat  Tailored

TECHNICAL SPECIFICATIONS

Operating Range:

Indoors: Up to 100 feet (30 m) typical, with a maximum of 200 feet (60 m) under ideal conditions

Outdoors: Up to 65 feet (20 m) typical, with a maximum of 165 feet (50 m) under ideal conditions

(actual range depends on RF signal absorption, reflection and interference)

Frequency Band:

ISM 2400–2483.5 MHz

Audio Range:

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

Transmitter RF Output Power:

10 mW E.I.R.P. maximum
(varies by region)

Audio Output Connector:

XLR and 1/4" (6.3 mm) unbalanced

Maximum Output Level:

0 dBV (XLR/line), +8.5 dBV (1/4")

Battery Life:

Up to 16 hours

Dynamic Range:

120 dB A-weighted

System Distortion:

0.2% THD typical
(ref. +/- 38 kHz deviation, 1 kHz tone)

Operating Temperature Range:

-18°C (0°F) to +57°C (135°F)
Note: Battery characteristics may limit this range.

Power Requirements:

GLXD1, GLXD2: 3.7 V custom rechargeable lithium-ion battery

GLXD4: 14–18 V DC at 550 mA, supplied by external power supply

GLXD6: 9–15 V DC at 250 mA, supplied by external power supply (also compatible with standard pedal board power supplies)

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

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