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**5000122291 ONE TIME PURCHASE OF VARIOUS AUDIO EQUIPMENT
FOR THE JEFFERSON PARISH PERFORMING ARTS CENTER.**
Jefferson Parish Government

Project documents obtained from www.CentralBidding.com
21-Mar-2018 07:34:25 AM



Bid Number 50 - 122291

**ONE TIME PURCHASE OF VARIOUS AUDIO EQUIPMENT FOR THE
JEFFERSON PARISH PERFORMING ARTS CENTER.**

March 22, 2018 AT 2:00 PM

ATTENTION VENDORS!!!

Please review all pages and respond accordingly, complying with all provisions in the technical specifications and Jefferson Parish Instructions for Bidders and General Terms and Conditions. All bids must be received in the Purchasing Department by the bid due date and time.

**Jefferson Parish Purchasing Department
200 Derbigny Street
General Government Building, Suite 4400
Gretna, LA 70053
Donna Reamey
Dreamey@Jeffparish.net
504-364-2684**

Spec's for Bid # 50-122291

One time purchase of various audio equipment for Jefferson Parish Performing Arts Center.

Use of brand names and stock numbers : Where brand names and stock numbers are specified, it is for the purpose of establishing certain minimum standards of quality. Bids may be submitted for products of equal quality, provided brand names and stock numbers are specified. Complete product data of all equals will be required prior to award.



I-Tech 4x3500HD DriveCore™



Features

More Flexibility

- True Ethernet backbone—fast, reliable and scalable
- Color LCD provides users with diagnostics and presets for easy setup
- Includes SLM (Sweep Load Monitoring) with system-level diagnostics
- Front panel USB connector transfers presets to/from a USB drive to the amp's DSP
- New software interface based on customer feedback manages presets, provides easier system-level changes, and includes a configuration wizard
- The only product available with analog, AES, CobraNet®, HiQnet™ and Ethernet connectivity

No Compromise

- BSS OMNIDRIVEHD™ DSP processing with industry leading IIR filters and linear phase FIR filters
- High common-mode rejection eliminates hum and RFI on input cables
- Professional-grade connectors for all inputs and outputs
- Full power-supply voltage is always available, allowing instantaneous power on demand
- Quality-graded components let you safely drive the amplifier harder
- More total capacitance provides tremendous energy reserves for power bursts

No Comparison

- The only four sound amplifier that provides four routable inputs to any output (analog, AES, VDrive, or CobraNet)
- LevelMAX™ peak voltage and RMS power limiters communicate with each other, resulting in smooth and accurate response, better sound
- Sixth generation patented Class-I (BCA®) circuitry couples power efficiently to the load and provides low AC current draw
- Global Power Supply; universal AC input accepts 100-240VAC, 50/60 Hz (±15%)

I-Tech 4x3500HD DriveCore™



I-Tech 4x3500HD with Binding Posts



I-Tech 4x3500HD with Speaker Connectors

Power Matrix

Model	Channels	2Ω	2.7Ω	4Ω	8Ω	4Ω Bridged	8Ω Bridged
I-Tech 4x3500HD	4	3500W	3800W	4000W	2100W	6000W	7000W

*1kHz, 20ms tone

Performance Specifications	I-Tech 4x3500HD
Sensitivity	Adjustable in 0.1dB increments from 1.28Vrms to 8Vrms
Damping Factor (10Hz to 100Hz)	>5000
Signal to Noise Ratio (Below rated power, 20Hz to 20kHz, A Weighted)	> -108dB
Total Harmonic Distortion (THD) (Full rated power, 20Hz to 20kHz)	0.35%
Intermodulation Distortion (from 9dB down to -40dB)	0.04%
Frequency Response (20Hz to 20kHz at 1W into 4/8Ω)	±0.05dB
Crosstalk (Below rated power, 20Hz to 1kHz)	>80dB
Common Mode Rejection (20Hz to 1kHz)	>80dB Typical
Physical Specifications	
Width	19 in. (48.3 cm)
Height	3.3 in. (8.9 cm)
Depth	14.92 in. (43.1 cm)
Net Weight	29 lbs (13.7 kg)
Shipping Weight	36 lbs (16.3 kg)

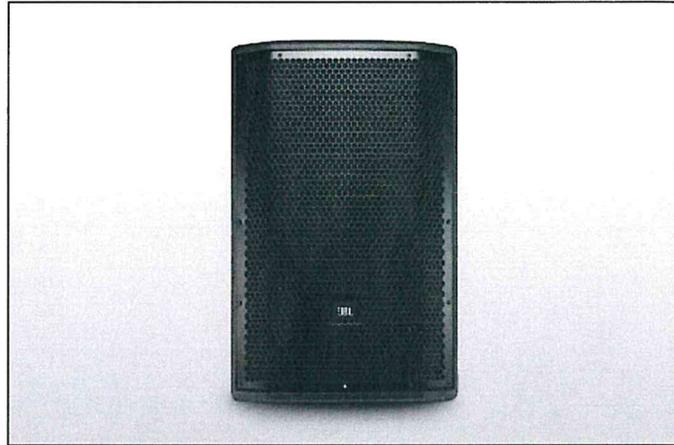
Specifications subject to change without prior notice. Latest information available at www.crownaudio.com. Crown offers a three-year, no-fault, fully transferable warranty for a try new Crown amplifier — an unsurpassed industry standard. With this unprecedented no-fault protection, your new Crown amplifier is warranted to meet or exceed original specifications for the full three years of ownership. During this time, if your amplifier fails, or does not perform to original specifications, it will be repaired or replaced at our expense. In most cases, the only things not covered by this warranty are those losses normally covered by insurance and those caused by intentional abuse. Plus, the coverage is transferable, should you sell your amplifier. See your authorized Crown dealer for full warranty details and details. For customers outside of the USA, please contact your authorized Crown distributor for warranty information or call 274-294-8200. © 2015 Crown Audio®, Inc.



PRX812W 12" Two-Way Full-Range Main System/Floor Monitor

Features:

- Maximum SPL Output 135 dB Peak
- 12" Differential Drive® low-frequency driver for low-distortion and higher SPL
- 1.5" diameter next generation JBL neodymium compression driver
- 1500W (dual 750 watt) highly efficient Class-D amplifier
- Optimized EQ for monitor or front-of-house applications
- Wireless remote control of its onboard DSP EQ parameters via Wi-Fi. Control and configure your show from anywhere.
- DSP input section, crossover, dynamic limiting, component optimization, selectable system EQ
- Professional XLR-1/4" combination inputs, RCA inputs, and XLR loop-through
- Integrated 36 mm pole mount socket with angle down tilt
- Integrated 12 x M10 suspension points
- Lightweight poplar plywood cabinets made structurally sound with tongue and groove joints and protected by JBL's tour proven DuraFlex™ finish



Application:

- PRX812W is a compact and versatile speaker in the PRXB00W Series with remote Wi-Fi control of onboard DSP EQ parameters. It has been designed to deliver maximum performance for its weight and size as both a stage monitor and a front of house main PA. Two user selectable EQ settings are provided to optimize the system for either application. With a dual socket pole mount the PRX812W is a perfect match with a PRX818XLFW subwoofer, offering a high performance self-powered sub/tar system.
- The PRX812W is composed of a 12" Differential Drive® woofer, a 2408H-1, 37.5 mm (1.5 in) annular polymer diaphragm, neodymium compression driver mounted to a 90° by 50° horn, all driven by 1500 watt Class-D digital power amplifier. Sophisticated DSP is at the core of a fully featured input section, providing user selectable system EQ, protection, input sensitivity selection, cross-over functionality, dynamic limiting and discrete component optimization.
- All PRXB00 cabinets are built from 18 mm, strong, light-weight poplar plywood made structurally sound with tongue and groove joints. All PRXB00 Series cabinets are protected by JBL's tour proven DuraFlex™ finish. Grilles are made from dent-resistant 16 gauge steel and handles are made from light-weight glass-filled nylon for added strength and durability. All M10 suspension points are constructed from 14 gauge steel and have been tested with a yield-strength of 1000 lbs. Each.
- The amplifier input panel offers XLR or 1/4 inch jack compatibility and a sensitivity switch provides extra flexibility, making it possible to connect literally any sound source without using a mixer. Signal present and limiter lights indicate the system status and assist in setting the optimum level via the level control knob.

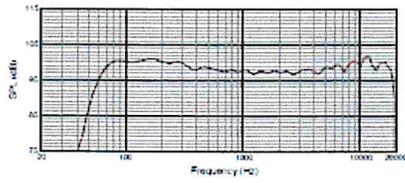
Specifications:

System:	
System Type:	Self Powered 12", two-way, bass-reflex
Maximum SPL Output:	135 dB peak
Frequency Range (-10 dB):	Main: 44.8 Hz - 20 kHz Monitor: 44.8 Hz - 20 kHz
Frequency Response (±3 dB):	Main: 55.7 Hz - 20 kHz Monitor: 56.5 Hz - 20 kHz
Input Connectors:	2 x Balanced XLR / 1/4 inch input, 2 x unbalanced RCA input
Input Impedance:	20K Ohms (balanced), 10K Ohms (unbalanced)
Signal Indicators:	Limiter: Yellow LED indicates peak output has been reached and DSP limiter is acting Signal: Green LED indicates signal present Power: Blue indicates system has power and ready to pass audio
EQ:	User selectable presets for Main or Monitor position, Advanced EQ settings available using PRX Connect application via Wi-Fi
Dynamic Control (Input):	dbx Type IV™ limiter circuit
Crossover Frequency:	1.85 kHz
Amplifier:	
Design:	Highly efficient Class-D amplifier
Power Rating:	1500W (750W x 2)
AC Power Input:	100V - 240V ~ 50/60 Hz
Speaker:	
LF Driver:	1 x JBL 272G 305 mm (12 in) woofer
HF Driver:	1 x JBL 2408H-2 37.5 mm (1.5 in) annular polymer diaphragm, neodymium compression driver
Coverage Pattern:	90° x 50° nominal
Enclosure:	Asymmetrical, 18 mm, birch/poplar wooden enclosure
Suspension / Mounting:	Dual 36 mm pole socket, 12 x M10 Suspension Points
Transport:	1 x injection molded handle with backing cup
Finish:	Obsidian DuraFlex™ finish
Grille:	Powder coated, Obsidian, 16 gauge perforated steel with acoustically transparent black cloth backing.
Dimensions (H x W x D):	599 mm x 385 mm x 341 mm (23.6 in x 15.1 in x 13.4 in)
Net Weight:	18.1 kg (40 lb)
Gross Weight:	21.2 kg (48.0 lb)

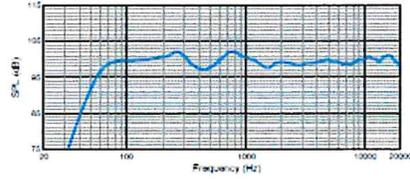
JBL continually engages in research related to product improvement. Some materials, production methods and design refinements are introduced into existing products without notice as a routine expression of that philosophy. For this reason, any current JBL product may differ in some respect from its published description, but will always equal or exceed the original design specifications unless otherwise stated.

► PRX812W 12" Two-Way Full-Range Main System/Floor Monitor

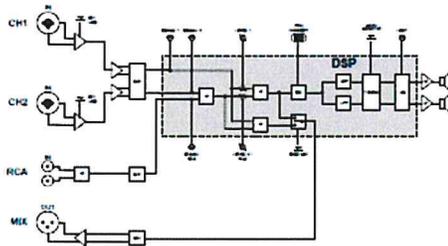
Frequency Response (Normal)



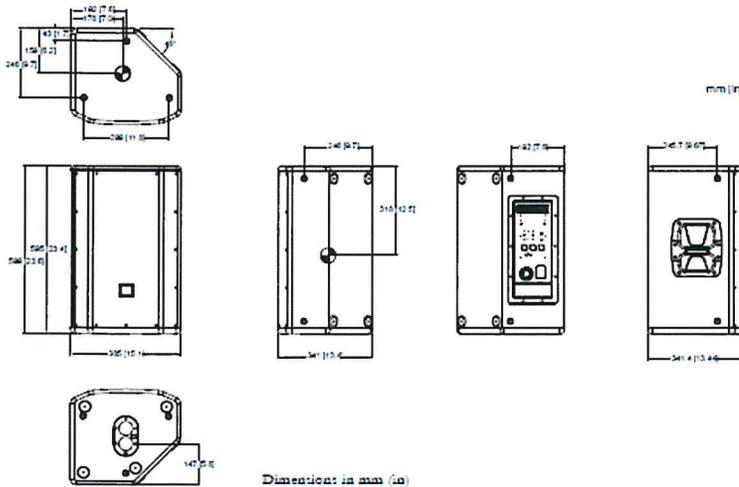
Frequency Response (Monitor)
Measurement performed in monitor position



Block Diagram:



Dimensions



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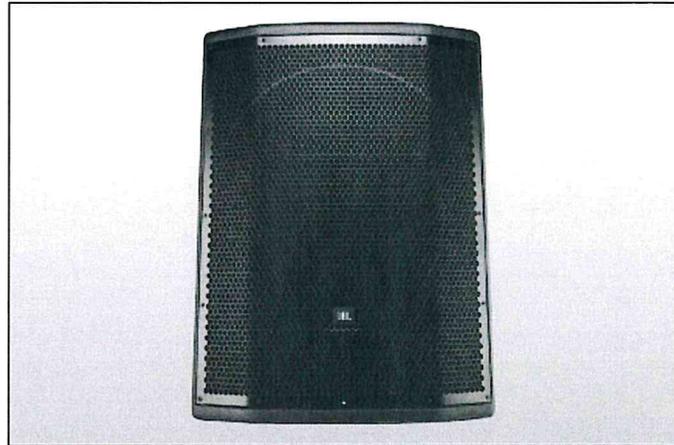


PRX818XLF

18" Self-Powered Extended Low Frequency Subwoofer System

Features:

- Maximum SPL Output 134 dB Peak
- 18" Differential Drive® low-frequency driver for low-distortion and higher SPL
- 1500W highly efficient Class-D amplifier
- Wireless remote control of its onboard DSP EQ parameters via Wi-Fi. Control and configure your show from anywhere.
- DSP input limiter circuit, crossover, dynamic limiting, and component optimization
- Professional XLR-1/4" combination inputs and XLR loop-through
- Top panel M20 pole mount socket for sub/satellite configuration
- Injection molded handles with comfort rubber grips for easy transport
- Lightweight poplar plywood cabinets made structurally sound with tongue and groove joints and protected by JBL's tour proven DuraFlex™ finish



Application:

- The PRX818XLF extended low frequency subwoofer was designed and engineered to provide sub bass frequencies with accuracy and power. Used as a single sub in a sub/ sat system or in multiples as part of a scalable, large format sound reinforcement system, the PRX818XLF performs with exceptional efficiency and control. The subs are stackable and light-weight, ensuring quick set-ups and tear-downs. Due to their rugged construction, they are perfect for AV rental inventories. With the integrated stereo pass-thru this is the most powerful low-frequency complement to the PRX full-range systems. The addition of a polarity reverse option further enables system optimization. PRX800 subwoofers feature a standard M20 threaded pole cup that can accept most modern subwoofer-mounted speaker poles.
- The PRX818XLF is a high performance self-powered subwoofer system with remote Wi-Fi control of onboard DSP EQ parameters. The PRX818XLF is composed of a powerful 2278G Differential Drive® dual voice-coil and magnetic gap, woofer driven by a 1500 Watt Class-D power amplifier. Sophisticated DSP is at the core of a fully featured input section, providing user selectable cross-over functionality, polarity optimization, protection, dynamic limiting and discrete component optimization.
- All PRX800 cabinets are built from 18 mm, strong, light-weight poplar plywood made structurally sound with tongue and groove joints. All PRX800 Series cabinets are protected by JBL's tour proven DuraFlex™ finish. Grilles are made from dent-resistant 16 gauge steel and handles are made from light-weight glass-filled nylon for added strength and durability. All M10 suspension points are constructed from 14 gauge steel and have been tested with a yield-strength of 1000 lbs. Each
- The amplifier input panel offers stereo inputs with XLR or 1/4 inch jack compatibility. A user selectable crossover ensures a smooth transition to full-range system connected to the stereo outputs. Signal present and limiter lights indicate the system status and assist in setting the optimum level via the level control knob.

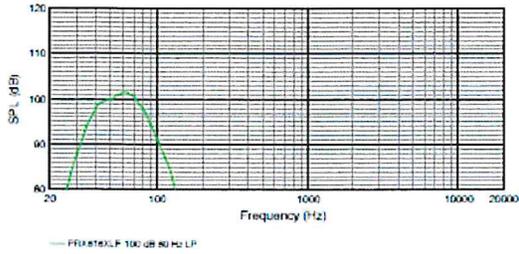
Specifications:

System:	
System Type:	Self Powered 18", subwoofer
Maximum SPL Output:	134 dB peak
Frequency Range (-10 dB):	30 Hz - 103 kHz
Frequency Response (±3 dB):	35 Hz - 87 kHz
Input Connectors:	2 x Balanced female XLR / 1/4" combo connec
Input Impedance:	20K Ohms (balanced)
Signal Indicators:	Limit: Yellow LED indicates peak output has been reached and DSP limiter is acting Signal: Green LED indicates signal present Power: Blue indicates system has power and ready to pass audio Power Save: Red indicates system has power but is in a power-saving mode and will not pass audio
Dynamic Control (Input):	dbx Type IV™ limiter circuit
System Low Pass:	80 Hz DSP
Loop out Crossover Frequency:	80Hz Digital 24db/octave Linkwitz-Riley Filter
Amplifier:	
Design:	Highly efficient Class-D amplifier
Power Rating:	1500W
AC Power Input:	100V - 240V ~ 50/60 Hz
Speaker:	
LF Driver:	1 x JBL 2278G 460 mm (18 in) woofer
Enclosure:	Rectangular, 18 mm, birch-poplar mix
Transport:	2 x injection molded handle with backing cup
Finish:	Obsidian DuraFlex™ finish
Grille:	Powder coated, Obsidian, 16 gauge perforated steel with acoustically transparent black cloth backing.
Dimensions (H x W x D):	692 mm x 523 mm x 724 mm (27.26 in x 20.6 in x 28.5 in)
Net Weight:	36.28kg (80 lb)
Gross Weight:	45.0 kg (100.0 lb)

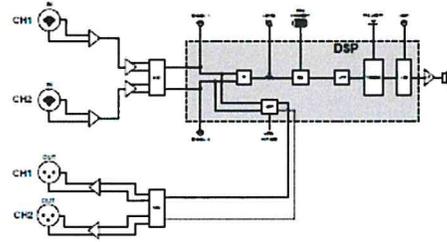
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► PRX818XLF 18" Self-Powered Extended Low Frequency Subwoofer System

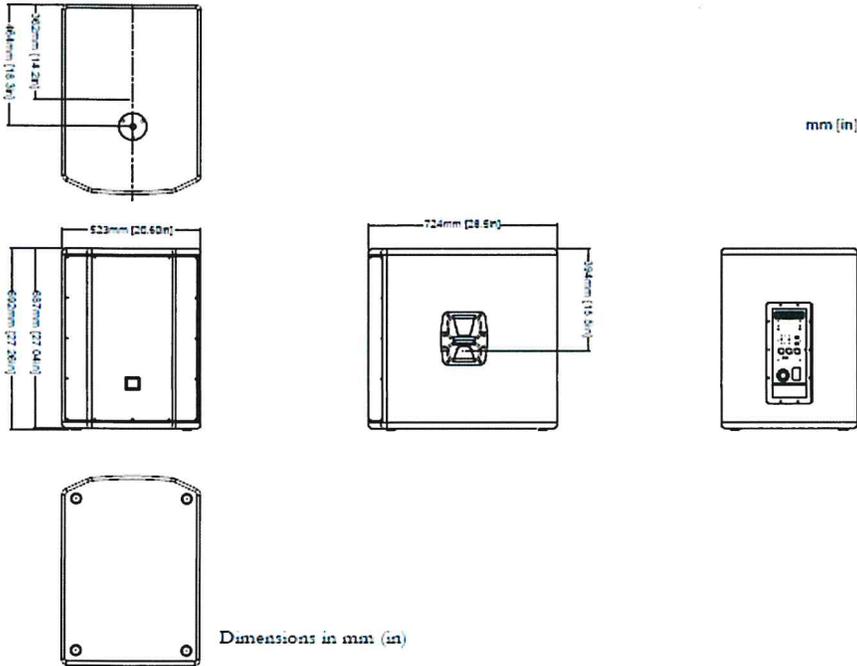
Frequency Response:



Block Diagram:



Dimensions:



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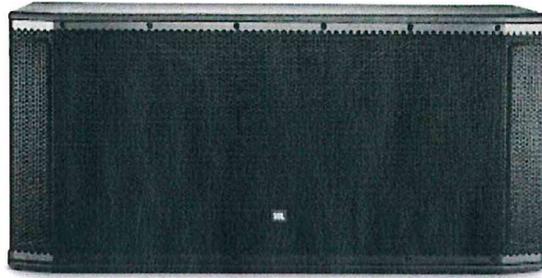


SRX828SP

Dual 18" Self-Powered Subwoofer System

Key Features:

- ▶ JBL premium Transducers
- ▶ 2000 W highly efficient Crown Amplification
- ▶ Full User Configurable DSP
- ▶ Maximum SPL Output: 141dB
- ▶ Frequency Range (-10dB): 29Hz - 150Hz
- ▶ Frequency Response (-3dB): 35Hz - 120Hz
- ▶ Network Control
- ▶ JBL Engineered Application Presets
- ▶ LCD Screen and glow in the dark ink on back panel
- ▶ Accepts the JBL WK-4S caster kit
- ▶ 145 lbs/65.9kg



Applications:

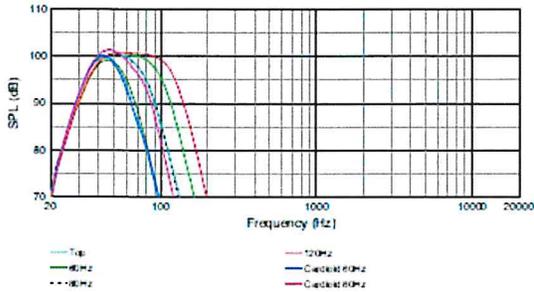
- ▶ The SRX828SP is a powered portable subwoofer in the SRX800 series from JBL Professional. It has been designed to deliver class leading performance in a variety of applications including small and medium sized installations and tours. When used in conjunction with the SRX800 full range systems and other SRX800 subs, SRX828SP is an integral part of a high performance, fully configurable loudspeaker system.
- ▶ With an M20 pole cup and indexed feet, the SRX828SP can be configured for a variety of applications, including being stacked in a cardioid configuration for large shows on stage.
- ▶ For incredible extended low frequency response, the SRX828SP uses an 18-inch woofer with JBL's patented Differential Drive Technology for reduced weight while maximizing power amp efficiency. 3" voice coils and dual ferrite drivers deliver exceptionally low distortion and extended low frequency response.
- ▶ The SRX828SP features a full suite of onboard user configurable DSP including 20 PEQ's, 2 seconds of delay, signal generators, input mixing, amplifier monitoring, and 50 slots for recallable presets, including several JBL-engineered application presets. In addition, the system is compatible with V5 JBL Tunings, and features 96kHz FIR Filters, and LevelMax™ Limiting providing compatibility with our flagship Vertec and VTX touring systems.
- ▶ System control and networking is provided by Audio Architect, and a standalone application for iOS and Android. Simple wired control is provided via an Ethernet connector on the back of the system and wireless control is possible using a standard off the shelf wireless router.

Specifications:

System:	
System Type:	Self powered dual 18", subwoofer system
Maximum SPL Output:	141dB
Frequency Range (-10 dB):	29Hz - 150Hz
Frequency Response (-3 dB):	35Hz - 120Hz
Amplifier:	
System Power Rating:	2000W Peak (1000W x 2), 1500W continuous (750W x 2)
Input Impedance:	40k balanced, 20k unbalanced
Line Input Gain:	21 dB
Maximum Input Level:	
Line:	20dBu
Connectors:	Neutrik ¼" XLR input; Neutrik XLR Output
LED Indicators:	Power LED (Green), Network Link (Green), Network Data (Yellow)
Cooling:	On Demand variable speed fan
AC Power Input:	100V - 240V ~ 50/60 Hz
AC Power Consumption (120V~):	2.2A (1/8th Power), 5.6A (1/3rd Power)
Speaker:	
LF Driver:	(2) 2279F
Crossover Frequency:	80Hz
Enclosure:	
Material:	18mm plywood
Handles:	8
Finish:	Obsidian Durallex™ finish
Grille:	Powder coated, Obsidian, 14 gauge perforated steel with acoustically transparent black cloth backing
Dimensions (L x W x H):	26.79" x 47.42" x 22.57" (681mm x 1205mm x 574mm)
Weight:	145.0 lbs (65.9 kg)
Shipping Weight:	165.0 lbs (75.0 kg)

► SRX828SP Dual 18" Self-Powered Subwoofer System

Frequency Response (Main)



Subwoofer Presets

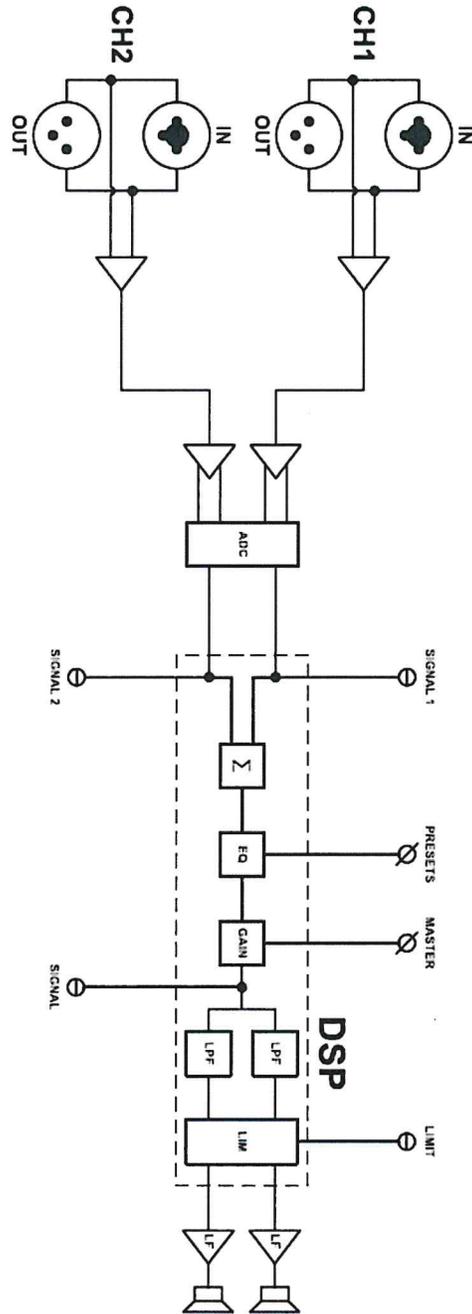
		SRX 812/815	SRX 835	Generic Top Box 60Hz Sub Crossover	Generic Top Box 80Hz Sub Crossover	Generic Top Box 100Hz Sub Crossover	Generic Top Box 120Hz Sub Crossover
SRX 818	Normal	SRX Top / SRX Sub	SRX Top / SRX Sub	60Hz / 60Hz HPass	80Hz / 80Hz HPass	100Hz / 100Hz HPass	120Hz / 120Hz HPass
	Cardioid 80Hz	Cardioid 80Hz* / SRX Sub	Cardioid 80Hz* / SRX Sub	Cardioid 80Hz* / 80Hz HPass	Cardioid 80Hz* / 80Hz HPass		
	Cardioid 60Hz		Cardioid 60Hz* / 60Hz Sub	Cardioid 60Hz* / 60Hz HPass			
SRX 828	Normal	SRX Top / SRX Sub	SRX Top / SRX Sub	60Hz / 60Hz HPass	80Hz / 80Hz HPass	100Hz / 100Hz HPass	120Hz / 120Hz HPass
	Cardioid 80Hz	Cardioid 80Hz* / SRX Sub	Cardioid 80Hz* / SRX Sub	Cardioid 80Hz* / 80Hz HPass	Cardioid 80Hz* / 80Hz HPass		
	Cardioid 60Hz		Cardioid 60Hz* / 60Hz Sub	Cardioid 60Hz* / 60Hz HPass			
Generic Subs	60Hz		60Hz LoPass / 60Hz Sub				
	80Hz	80Hz LoPass	80Hz LoPass / 80Hz Sub				
	100Hz	100Hz LoPass	100Hz LoPass / 100Hz Sub				
	120Hz	120Hz LoPass	120Hz LoPass / 120Hz Sub				

*The Cardioid Preset is always selected only on the rear-facing box. The two front facing boxes should be set to your selected crossover frequency, eg. 60Hz or 80Hz.



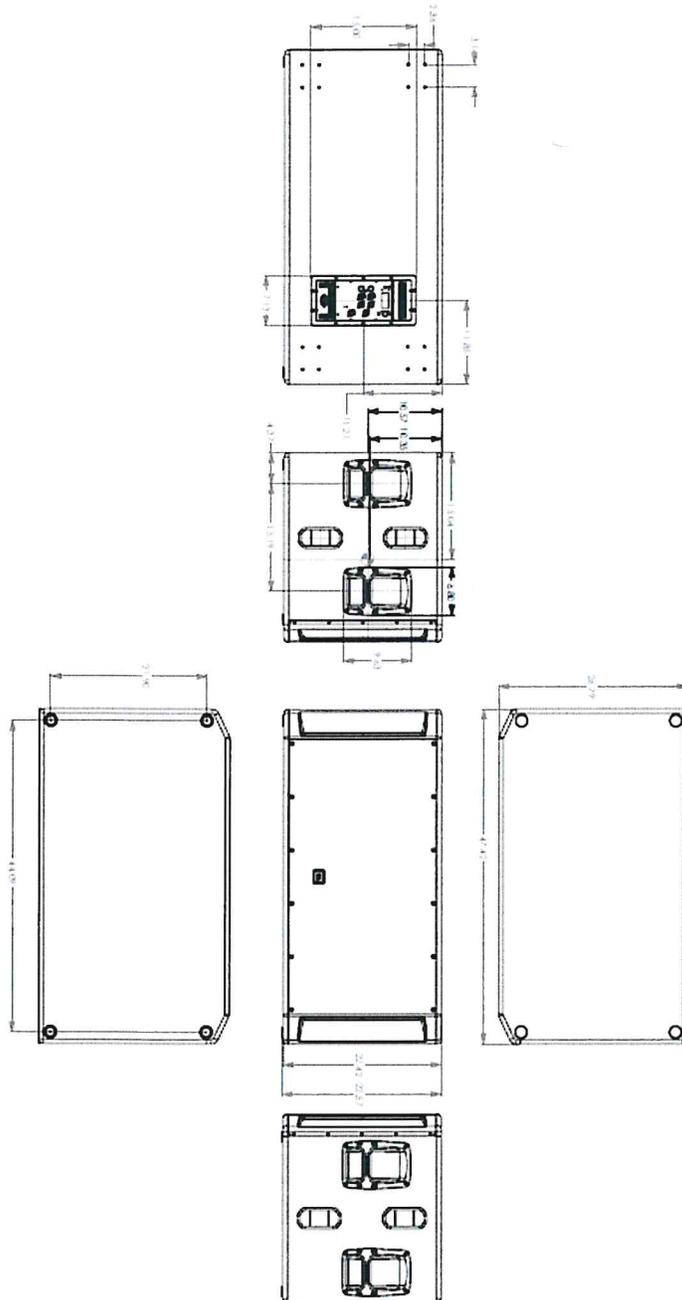
► SRX828SP Dual 18" Self-Powered Subwoofer System

Block Diagram:



► SRX828SP Dual 18" Self-Powered Subwoofer System

Dimensions:



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SRX828SP
CRP
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Product Specifications

SM58® Cardioid Dynamic Microphone

Overview

The legendary SM58® is an industry standard, highly versatile cardioid dynamic vocal microphone that is consistently the first choice of vocal performers around the globe. Even in extreme conditions, the SM58 is tailored to target the main sound source while minimizing background noise, delivering warm and clear vocal reproduction.

Features

- Frequency response tailored for vocals, with brightened midrange and bass relief
- Uniform cardioid pickup pattern isolates the main sound source and minimizes background noise
- Pneumatic shock mount system cuts down handling noise
- Effective, built-in spherical wind and pop filter
- Supplied with break-resistant stand adapter which rotates 180 degrees
- Legendary Shure quality, ruggedness and reliability
- Cardioid (unidirectional) dynamic
- Frequency response: 50 to 15,000 Hz

Available Models

SM58-LC	Includes Stand Adapter and Zippered Pouch
SM58-CN	Includes 7.6 m (25 ft) XLR Male to XLR Female Cable, Swivel Adapter and a Zippered Pouch
SM58S	Includes Integrated On/Off Switch, Swivel Adapter and a Zippered Pouch

Specifications

Type	Dynamic
Frequency Response	50 to 15,000 Hz
Polar Pattern	Cardioid
Sensitivity (at 1,000 Hz Open Circuit Voltage)	54.5 dBV/Pa (1.26 mV) 1 Pa = 94 dB SPL
Impedance	Rated impedance is 150Ω (300Ω actual) for connection to microphone inputs rated low impedance
Polarity	Positive pressure on diaphragm produces positive voltage on pin 2 with respect to pin 3
Case	Dark gray, enamel painted, die cast metal, matte finished, silver colored, spherical steel mesh grille
Connector	Three pin professional audio connector (true XLR type)
Net Weight	256 grams (10.5 oz)
Dimensions	167 mm (6.58 in.) L x 51 mm (2 in.) W

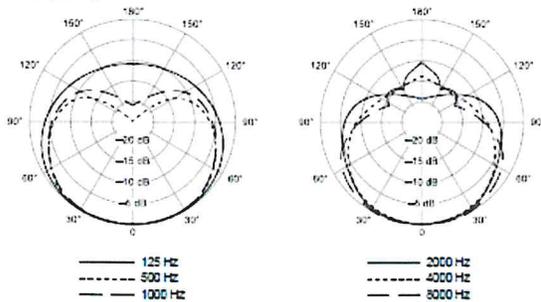


SM58

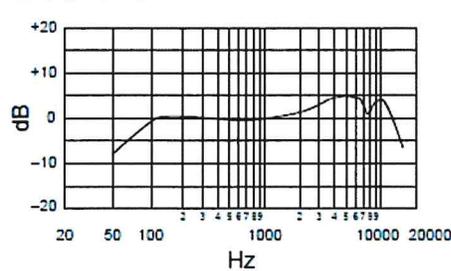
Optional Accessories and Replacement Parts

A58WS	Windscreens	A58M	Isolation Mount	C25F	7.6 m Cable (25 ft)
A25D	Microphone Clip	A26M	Dual Mount	RK143G	Screen and Grille
R59	Cartridge	S37A, S39A	Desk Stand		

Polar pattern



Frequency response



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Product Specifications

SM57 Cardioid Dynamic Microphone

Overview

An industry standard, highly versatile cardioid dynamic microphone that can be found onstage and in studios around the world. The ideal choice for sound reinforcement and recording applications, the legendary SM57 is tuned for clean reproduction of amplified and acoustic instruments, targeting the main sound source while minimizing background noise.

Features

- Frequency response tailored for drums, guitars, and vocals
- Uniform cardioid pickup pattern isolates the main sound source while reducing background noise
- Pneumatic shock mount system cuts down handling noise
- Extremely durable under the heaviest use
- Supplied break-resistant swivel adapter that rotates 180°
- Legendary Shure quality, ruggedness, and reliability

Available Models

SM57-LC	Includes Stand Adapter and Zippered Pouch
SM57-LCE	Includes 5/8-inch to 3/8-inch thread adapter for mounting on European stands, Swivel Adapter and a Zippered Pouch

Specifications

Type	Dynamic
Frequency Response	40 to 15,000 Hz
Polar Pattern	Cardioid
Sensitivity (at 1,000 Hz open circuit voltage)	Open Circuit Voltage: -56.0 dBV/Pa (1.6 mV) (-2 Pa = 94 dB SPL)
Impedance	Rated impedance is 150Ω (310Ω actual) for connection to microphone inputs rated low impedance.
Polarity	Positive pressure on diaphragm produces positive voltage on pin 2 with respect to pin 3.
Case	Dark gray, enamel painted, die-cast steel with a polycarbonate grille and a stainless steel screen.
Connector	Three-pin professional audio connector (male XLR type)
Net Weight	294 grams (10.4 oz)
Dimensions	157 mm (6.206 in.) L x 32 mm (1.26 in.) W at the widest point

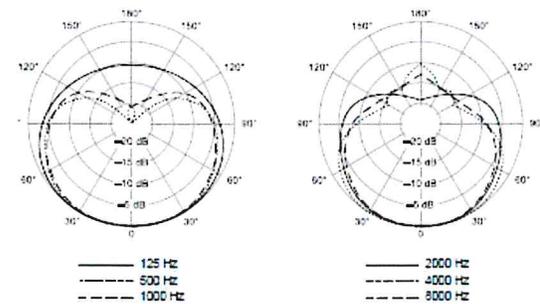


SM57

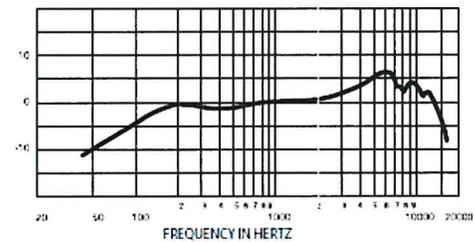
Optional Accessories and Replacement Parts

A2WS	Locking Windscreen	A55M	Isolation Mount	C25F	7.6 m Cable (25 ft)
A2SD	Microphone Clip	A26M	Dual Mount	RK143G	Screen and Grille Assembly
R59	Cartridge	S37A, S39A	Desk Stand		

Polar pattern



Frequency response



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Robust, Reliable RF Performance

- 60 MHz bandwidth for up to 40 simultaneous compatible systems/band
- Track Tuning filtering technology
- Switchable transmitter output power

Superior Wireless Sound Quality

- Shure's patented Audio Reference Companding

Integrated Networking / Advanced Control

- Wireless Workbench software
- Ethernet and USB compatibility
- AMX/Crestron compatibility

Fast Setup and Operation

- Networked Automatic Frequency Selection
- Group Scan
- Infrared Automatic Transmitter Setup

Rugged & Durable Construction

- Sweat-resistant all-metal construction
- Low-profile, lightweight magnesium bodypack
- Shure's rigorous mechanical and performance standards

APPLICATIONS

Live Touring Sound
Installed Sound
High-End Theater
Broadcast

PRODUCT HIGHLIGHTS

Crystal Clear Audio
Audio Reference
Companding
Wide variety of
legendary Shure
microphone capsules
Included Wireless
Workbench Software

System Specifications

System RF Carrier Frequency Range	470-952 MHz (available frequencies depend upon applicable country regulations)
Working Range	150 m (500 ft.) under typical conditions; 500 m (1600 ft.) line of sight (NOTE: Operating range depends on many variables, including RF signal absorption, reflection and interference)
Audio Frequency Response	40-18,000 Hz (+1 dB, -3 dB). (NOTE: Overall system frequency response depends on the microphone element)
Modulation	FM (45 kHz max. deviation), compander system with pre- and de-emphasis
System Distortion	<0.3% Total Harmonic Distortion typical (ref. ± 45 kHz deviation, 1 kHz modulation)
Dynamic Range	>105 dB, A-weighted
Ultimate Quieting	>100 dB A-weighted (ref. 45kHz deviation)
Operating Temperature Range	-18° to +57° C (0° to 135° F) (NOTE: Battery characteristics may limit this range)

Frequency Range

Band	Range	Transmitter Output	
		Handheld	Bodypack
H4E	518-578 MHz	10 / 50	10 / 50
H4	518-578 MHz	10 / 50	10 / 100
J5E	578-638 MHz (578-608, 614-638)	10 / 50	10 / 50
J5	578-638 MHz (578-608, 614-638)	10 / 50	10 / 100
L3E	638-698 MHz	10 / 50	10 / 50
L3	638-698 MHz	10 / 50	10 / 50
Q5	740-814 MHz	10 / 50	10 / 50
R9	790-865 MHz	10 / 50	10 / 50
Q6	740-752 MHz	10	10
A24	775-788 / 797-806 MHz	10	10
JBX	806-810 MHz	10	10
Q10A	740-787 MHz	10 / 50	10 / 50
G1	470-530 MHz	10 / 50	10 / 100
X1	944-952 MHz	10 / 50	10 / 100

NOTE: This radio apparatus may be capable of operating on some frequencies not authorized in your region. Please contact your national authority to obtain information on authorized frequencies and output power levels for wireless microphone products in your region.

System Architectural Specifications

The wireless system shall operate in the UHF band between 518 MHz and 865 MHz, with the specific range being dependent on the user's locale. The system shall include the option of changing the operating frequency in order to avoid RF interference, enabling up to 108 systems to operate simultaneously in the same location. Preconfigured group, channel and frequency setups shall be available to ensure that multiple systems in use do not interfere with one another.

All transmitters shall be powered by 2 AA batteries and shall have a power on/off switch. The bodypack will have an LED indicating that power is on. Available transmitters shall include a body pack for use with electric guitars, basses, and other electric instruments, and a handheld microphone for vocals. The transmitters shall have a DC/DC converter to ensure consistent performance, even if battery voltages change.

The receiver shall have a user-programmable, menu-driven LCD showing group, channel, frequency, name, squelch level, and locked/unlocked status. The system shall use technology such as MARC/CAD/B signal combining circuitry to improve reception, minimize signal dropouts, and achieve the best possible signal-to-noise ratio. An equalizer, tone key squelch, and noise squelch circuitry shall be built into the system to provide optimal sound quality and minimize unwanted noise. The receiver shall include dual RF meters (one for each antenna), an audio level meter, and a Networking Interface connector for computer control and monitoring. The receiver shall have a volume control and an adjustable noise squelch control. The system shall be the Shure UHF-R Wireless.

Furnished Accessories

WA371	Microphone Stand Adapter (UR2)
2GA11	Zipper Bag (UR1)
2GA14	Zipper Bag (UR2)
95AG023	Antenna Extension Cables (2)
WA340	Hardware Kit, Locking Connector
UA700	Bodypack Antenna, 470-530 MHz
UA710	Bodypack Antenna, 518-578 MHz
UA720	Bodypack Antenna, 578-698 MHz
UA730	Bodypack Antenna, 740-865 MHz
UA740	Bodypack Antenna, 944-952 MHz
UA820	Two Antennas (UR4), Band Dependent
95AG053	Bodypack Transmitter Carrying Case
95N2035	RF Distribution Cables (2)

Optional Accessories

RPW112	SM58 Head with Grille
RPW114	SM66 Head with Grille
RPW118	BETA 58 Head with Grille
RPW120	BETA 87A Head with Grille
RPW122	BETA 87C Head with Grille
RPW116	SM87A Head with Grille
RPW180	KSM95/L Head with Grille
RPW184	KSM95/BK Head with Grille
RK143G	Matte Silver Grille (SM58)
RFM266	Matte Silver Grille (SM66)
RK265G	Matte Silver Grille (BETA 58)
RK214G	Black Grille (SM87)

RK312	Matte Silver Grille (BETA 87C)
RK323G	Black Grille (BETA 58)
RK324G	Black Grille (BETA 87A/BETA 87C)
34AB031	Ear Clip
WA580B	Body-Pack Pouch (Black), UR1
WA580W	Body-Pack Pouch (White), UR1
WA581B	Body-Pack Pouch (Black), UR1M
WA581W	Body-Pack Pouch (White), UR1M
WA335	3-Pin mini Lemo conversion kit
WA336	3-Pin mini Lemo plug for Lavaliar
WA337	Assembly tool for WA336
AB5W5	Copper Stopper™ Windscreen

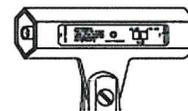
Antenna Combiners and Accessories

- Antennas and receivers must be from the same frequency band. Please check with your local Shure distributor for compatibility information.
- The supplied 1/2 wave antennas can be remotely mounted or mounted directly to the UA845.
- Antennas and cables for use with the UA845 can also be used with stand-alone UHF-R receivers.

UA221	Passive Antenna/Splitter Combiner Kit (recommended for 2 receivers)
UA820	1/2 Wave Omnidirectional Receiver Antenna
UA825	25' Antenna Cable (RG-8/X)
UA830	In-Line RF Amplifier
UA845(US/E/UK)	UHF Antenna Power Distribution Amplifier (recommended for more than 10 receivers) (US, Europe, or UK models)
UA864US	Wall-Mounted Wideband Antenna
UA850	50' Antenna Cable (RG-8/X)
UA862SWB	1/2 Wave, Omnidirectional Antenna
UA870	Active Directional Antenna
UA874US	Active Directional Antenna
PA805	Passive Unidirectional Antenna
UA8100	100' Antenna Cable
HA-8069	UHF Wideband Remote Helical Antenna (480-900 MHz)
HA-8241 PWS	UHF Wideband Remote Helical Antenna (944-952 MHz)



PA805 Unidirectional Antenna



UA830 In-Line RF Amplifier

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Component Specifications

UR4S+ & UR4D+ Diversity Receiver

Overview

The UR4S+ and UR4D+ receivers provide single and dual-channel options for the premium Shure UHF-R Wireless line. Using the latest in wireless technologies, UHF-R receivers provide advanced control and robust flexibility for a wide range of professional uses.

- Up to 2400 selectable frequencies across 60 MHz bandwidth
- Track Tuning Filtering technology
- Up to 40 preset compatible systems/band (160 w/multiple bands, region dependent)
- Networked automatic frequency selection
- Automatic transmitter setup (including custom group upload)
- Flash memory to store six 60-channel custom frequency groups
- Patented Audio Reference Comping
- Multi-Function die-mapped backlit LCD
- Built-in USB & ethernet network compatibility
- Wireless Workbench control/monitoring software
- Removable antennas
- RF distribution ports allow up to 10 receivers to share a single pair of antennas.
- Microprocessor-controlled diversity

Product Specifications

Overall Dimensions	44 mm H x 483 mm W x 366 mm D (1.72 x 19.00 x 14.39 in.)
Net Weight	UR4S : 10.9 lbs (5.0 kg) UR4D : 11.2 pounds (5.1 kg)
Including Galvanized Steel	Galvanized Steel
Audio Output Level	+24 dBu (-6 dBu mic)
Output Impedance	200 Ω active balanced (150 Ω mic)
RF Sensitivity	UR4S : -110 dBm typical for 12 dB SINAD; -105 dBm typical for 30 dB SINAD UR4D : -107 dBm typical for 12 dB SINAD; -102 dBm typical for 30 dB SINAD
Image Rejection	110 dB typical
Spurious Rejection	50 dB typical
Audio Polarity	Positive pressure on microphone diaphragm (or positive voltage applied to tip of WAS02 phone plug) produces positive voltage on XLR output pin 2 with respect to XLR pin 3 and on the tip of the 1/4-inch output jack.
Power Requirements	90 to 230 Vac, 50/60 Hz
Power Consumption	UR4S: 9.6 – 13.2 W; UR4D+: 12 – 16 W; UAB45: 15 – 16 W

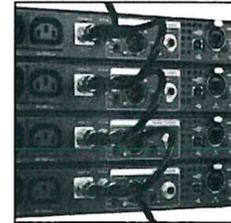
Available Models

UR4S+	Single Channel Wireless Receiver
UR4D+	Dual Channel Wireless Receiver

Architectural Specifications

The wireless microphone system shall operate in the UHF band and provide a tone key (32.768 kHz) to increase reliability and to minimize unwanted noise. The system shall allow to change the operating frequency in 25 kHz steps in order to avoid RF interference, enabling up to 47 systems to operate simultaneously in one frequency band. Preconfigured group, channel and frequency setups shall be available to ensure that multiple systems in use do not interfere with one another. Additionally multiple free programmable frequency groups shall allow to create customized setups. An IR synchronization between receiver and transmitter for fast setup shall be implemented.

The receiver shall have an user programmable menu-driven LC display showing group, channel, frequency, name, output level, squelch level, and lock status as well as the most important transmitter settings. It shall use technology such as MARCADO signal combining circuitry for improved reception, minimized signal dropouts, and the best possible signal-to-noise ratio. Tone key squelch, and noise squelch circuitry shall be implemented to provide optimal sound quality and minimize unwanted noise. The receiver shall include an RF meter for each antenna, an audio level meter, and networking interface connectors for PC control and monitoring. The receiver shall have a volume control and an adjustable noise squelch control.



RF distribution ports allow up to 10 receivers to share a single pair of antennas.



UR4S+ Diversity Receiver Front



UR4D+ Diversity Receiver Front



UR4S+ Diversity Receiver Back



UR4D+ Diversity Receiver Back

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Component Specifications

UR2 Handheld Transmitter

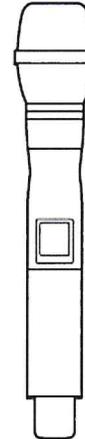
Overview

UHF-R handheld transmitters boast a rugged, lightweight construction and an antenna design which advances RF transmission reliability. The transmitter design allows for interchangeable microphone cartridges. The UR2 is offered with SM58®, SM66, SM67A, Beta 58A®, Beta 87A™, Beta 87C™, and KSM9. UHF-R Wireless Systems feature KSM9 as the premier choice in handheld vocal microphones.

- Switchable RF power
- Frequency and power lockout
- Bit-mapped backlit LCD
- Powered by 2 AA batteries
- Infrared automatic transmitter sync
- All metal die-cast construction
- Interchangeable cartridges

Product Specifications

Gain Adjustment Range	-10 to +20 dB
Maximum Input Level	+4.8 dBu
Input Impedance	> 1 MΩ
Output Impedance	50 Ω
RF Power Output	10 mW or 10/50 mW (region dependent)
Housing	Aluminum die-cast handle and aluminum machined battery cup
Power Requirements	2 AA alkaline
Battery Life (Typical)	6 hours (high power), 9.5 hours (low power)
Overall Dimensions	UR2/SM58: 261 mm L x 51 mm Dia. (10.27 x 2 in.) UR2/SM66: 261 mm L x 51 mm Dia. (10.27 x 2 in.) UR2/SM67A: 254 mm x 51 mm Dia. (10 x 2 in.) UR2/KSM58K, UR2/KSM58SL: 250 mm x 49 mm Dia. (9.78 x 1.15/16 in.) UR2/BETA 58: 258 mm L x 51 mm Dia. (10.15 x 2 in.) UR2/BETA 87A, UR2/BETA 87C: 254 mm x 51 mm Dia. (10 x 2 in.)
Net Weight	UR2/SM58: 356 g (12.5 oz.) without battery UR2/BETA 58: 314 g (11.1 oz.) without battery UR2/SM66: 317 g (11.2 oz.) without battery UR2/SM67A: 298 g (10.5 oz.) without battery UR2/KSM58K, UR2/KSM58SL: 410 g (14.5 oz.) without battery UR2/BETA 87A, UR2/BETA 87C: 325 g (11.5 oz.) without battery



UR2 Handheld Transmitter (shown with mic capsule)

Microphone Options

UR2/SM58	UR2 Handheld Transmitter with SM58 Cardioid Microphone
UR2/SM66	UR2 Handheld Transmitter with SM66 Cardioid Microphone
UR2/SM67A	UR2 Handheld Transmitter with SM67A Supercardioid Microphone
UR2/BETA 58	UR2 Handheld Transmitter with Beta 58A Supercardioid Microphone
UR2/BETA 87A	UR2 Handheld Transmitter with Beta 87A Supercardioid Microphone
UR2/BETA 87C	UR2 Handheld Transmitter with Beta 87C Cardioid Microphone
UR2/KSM58K	UR2 Handheld Transmitter with KSM9 Dual-Diaphragm Condenser Microphone, Black
UR2/KSM58SL	UR2 Handheld Transmitter with KSM9 Dual-Diaphragm Condenser Microphone, Champagne

Architectural Specifications

The wireless handheld transmitter shall operate in the UHF band and shall provide a tone key (32,768 kHz) to increase reliability and to minimize unwanted noise. The system shall allow to change the operating frequency in 25 kHz steps in order to avoid RF interference, enabling up to 47 systems to operate simultaneously in one frequency band. Preconfigured group, channel and frequency set-ups shall be available to ensure that multiple systems in use do not interfere with one another.

The transmitter shall be programmable through a menu as well as infrared synchronization (including the sync of free programmable custom groups). The transmitter shall provide exchangeable microphone capsules as well as a backlit LCD display showing name, battery gauge, carrier frequency, gain and lock settings. LCD menu controls should cover adjustable audio gain, tunable carrier frequency, switchable RF power, and frequency and power lock settings as well as the access to the RF Safety Mode (transmitter operation with muted RF carrier).

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Component Specifications

UR1 Bodypack Transmitter

Overview

The UR1 Bodypack Transmitter is constructed of lightweight and rugged magnesium to be exceptionally unobtrusive and abuse-resistant. Choose from a wide variety of lavalier and headworn microphones to tailor to your application.

- Switchable RF Power (10/50mW or 10/100mW, Region Dependent)
- Low Profile, Compact Design
- Frequency and Power Lockout
- Bit-mapped Backlit LCD Display
- 2 AA Batteries - Up to 8 hours Continuous Use
- Automatic Transmitter Setup
- Durable, Light-weight Magnesium Construction
- Removable Bodypack Antenna

Product Specifications

Gain Adjustment Range	-20 dB to +35 dB
Maximum Input Level	+10 dBu (sensitivity 0 dB), +20 dBu (sensitivity -10 dB)
Input Impedance	16 k Ω with lavalier microphone; 1 M Ω with instrument cable
Output Impedance	50 Ω
RF Power Output	10 mW, 10/50 mW, or 10/100 mW (region dependent)
Housing	Cast magnesium
Power Requirements	2 AA alkaline or rechargeable batteries
Battery Life	8 hours typical
Current Drain	160 mA max. (normal RF power setting), 240 mA max. (high RF power setting)
Overall Dimensions	97.5 mm L x 60 mm W x 17 mm D (3.84 x 2.36 x 0.66 in.)
Net Weight	97 g (3.4 oz.) without batteries

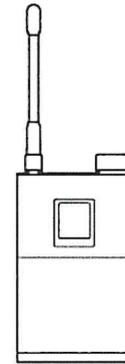
Microphone Options

WL93	WL93 condenser capsule, omnidirectional lavalier mic
WL183	WL183 condenser capsule, omnidirectional lavalier mic
WL184	WL184 condenser capsule, supercardioid lavalier mic
WL185	WL185 condenser capsule, cardioid lavalier mic
WL50	WL50 condenser capsule, omnidirectional lavalier mic
WL51	WL51 condenser capsule, cardioid lavalier mic
WH80	WH80 condenser capsule, cardioid headworn mic
WCM16	WCM16 condenser capsule, hypercardioid headworn mic
WBH53	WBH53 condenser capsule, omnidirectional headworn mic
WBH54	WBH54 condenser capsule, supercardioid headworn mic
WB58HC	WB58HC condenser capsule, cardioid instrument clip mic

Architectural Specifications

The wireless bodypack transmitter shall operate in the UHF band and shall provide a tone key (32,768 kHz) to increase reliability and to minimize unwanted noise. The system shall allow to change the operating frequency in 25 kHz steps in order to avoid RF interference, enabling up to 47 systems to operate simultaneously in one frequency band. Preconfigured group, channel and frequency setups shall be available to ensure that multiple systems in use do not interfere with one another.

The transmitter shall be programmable through a menu as well as infrared synchronization. The transmitter shall provide a threaded connector to securely lock microphones or instrument cables. The backlit LCD display shall show name, battery gauge, carrier frequency, as well as gain and sensitivity settings. The LCD menu controls should cover separately adjustable gain (-10 to +20 dB) and input sensitivity (attenuation pad: +15, 0, -10 dB), tunable carrier frequency, switchable RF power, frequency and power lock as well as the access to the RF Safety Mode (transmitter operation with muted RF carrier).



UR1
Bodypack Transmitter

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Component Specifications

UR1M Micro-Bodypack Transmitter

Overview

Operating on the premium Shure UHF-R® Wireless platform, the UR1M Micro-Bodypack Transmitter offers superior wireless audio and an industry-leading tuning range – all in an durable, ultra-compact and lightweight form factor.

- Half the size of standard bodypacks
- Optimized instrument input
- User selectable RF power, 10mW and 50mW
- Up to 9 hours battery life (output-power and battery type dependent)
- Selectable alkaline, lithium primary, or NiMH battery curves for accurate power metering
- Audio level metering on body pack
- Backlit LCD
- TQG or Lemo-3 connector types available
- Extended sweat resistance
- Remote monitoring with Wireless Workbench® 5

Product Specifications

Gain Adjustment Range	20 dB to +35 dB
Maximum Input Level	+5 dBu (sensitivity 0 dB), +15 dBu (sensitivity -10 dB)
Input Impedance	200 kΩ TQG, 8.2 kΩ LEMO3
Output Impedance	50 Ω
RF Power Output	10 mW or 10/50 mW (region dependent)
Housing	Cast magnesium
Connector Types	LEMO 3, TQG
Power Requirements	2 AAA alkaline, lithium primary, or NiMH batteries
Battery Life	Alkaline: 6 hours (normal RF power), 4 hours (high RF power) Lithium primary: 9 hours (normal RF power), 7 hours (high RF power) NiMH 1000 mAh: 6 hours (normal RF power), 4 hours (high RF power)
Overall Dimensions	49 mm L x 60 mm W x 17 mm D (1.92 x 2.36 x 0.66 in.)
Net Weight	62 g (2.2 oz.) without batteries

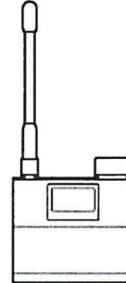
Microphone Options

WL93	WL93 condenser capsule, omnidirectional lavalier mic
WL183	WL183 condenser capsule, omnidirectional lavalier mic
WL184	WL184 condenser capsule, supercardioid lavalier mic
WL185	WL185 condenser capsule, cardioid lavalier mic
WL50	WL50 condenser capsule, omnidirectional lavalier mic
WL51	WL51 condenser capsule, cardioid lavalier mic
WH30	WH30 condenser capsule, cardioid headworn mic
WCM16	WCM16 condenser capsule, hypercardioid headworn mic
WBH53	WBH53 condenser capsule, omnidirectional headworn mic
WBH54	WBH54 condenser capsule, supercardioid headworn mic
WB584C	WB584C condenser capsule, cardioid instrument clip mic

Architectural Specifications

The wireless bodypack transmitter shall operate in the UHF band and shall provide a tone key (32,768 kHz) to increase reliability and to minimize unwanted noise. The system shall allow to change the operating frequency in 25 kHz steps in order to avoid RF interference, enabling up to 47 systems to operate simultaneously in one frequency band. Preconfigured group, channel and frequency setups shall be available to ensure that multiple systems in use do not interfere with one another.

The transmitter shall be programmable through a menu as well as infrared synchronisation. The transmitter shall provide a threaded connector to securely lock microphones or instrument cables. The backlit LCD display shall show name, battery gauge, carrier frequency, as well as gain and sensitivity settings. The LCD menu controls should cover separately adjustable gain (-10 to +20 dB) and input sensitivity (attenuation pad: +15, 0, -10 dB), tunable carrier frequency, switchable RF power, frequency and power lock as well as the access to the RF Safety Mode (transmitter operation with muted RF carrier).



UR1M
Micro-Bodypack Transmitter

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ULX-D[®] Wireless Systems



ULX-D[®] DIGITAL WIRELESS SYSTEMS

Shure ULX-D[®] Digital Wireless offers uncompromising 24-bit audio clarity and extremely efficient RF performance with single, dual, and quad channel receivers for any size professional sound reinforcement application. Generations ahead of any other available system in its class, ULX-D brings a new level of performance to professional sound reinforcement.

Uncompromising Professional Digital Wireless

- 24-bit/48 kHz digital audio that delivers incredibly clear and accurate sound reproduction
- 20 Hz – 20 kHz frequency range with flat response
- Greater than 120 dB dynamic range
- Wide selection of trusted Shure Microphones
- Available in UHF, VHF and ISM (900MHz) Frequency Bands

Extremely Efficient and Reliable RF Performance

- Up to 64 MHz overall tuning range (region dependent)
- Up to 17 active transmitters in one 6 MHz TV channel (22 on an 8 MHz TV channel)
- High Density mode enables up to 47 active transmitters in one 6 MHz TV channel
- Rock-solid signal stability with no audio artifacts over the entire 100 meter range
- Optimized scanning automatically finds, prioritizes, and selects the cleanest frequencies available

Scalable, Intelligent Hardware

- Single (half-rack), Dual and Quad (full-rack) receiver form factors
- AES 256-bit encryption equipped for secure wireless transmission
- Dante™ digital networked audio over Ethernet
- Wireless Workbench[®] 6 compatible for advanced coordination, monitoring and control; features Site Survey tool for scanning frequencies in the 902-928 MHz ISM band
- Compatible with the Shure SB900A Rechargeable Battery and SBC chargers

APPLICATIONS

Installed Audio

Critical Audio Performances

High channel counts

Secure presentations

PRODUCT HIGHLIGHTS

24-bit/48 kHz Digital Wireless Audio

High Density Mode

Single, Dual, and Quad Channel Receivers

Advanced Rechargeability

Dante™ Networked Audio over Ethernet

System Specifications

RF Carrier Range	174-216 MHz, 470-869 MHz, 1492-1526 MHz, 1785-1806 MHz <i>Note: Varies by region (See Frequency Range and Output Power table)</i>
Working Range	100 m (328 ft) <i>Note: Actual range depends on RF signal absorption, reflection and interference.</i>
RF Tuning Step Size	25 kHz, varies by region
Image Rejection	>70 dB, typical
RF Sensitivity	98 dBm at 10 ³ BER
Latency	<2.9 ms
Audio Frequency Response	UIX01: 20 Hz - 20 kHz (+1 dB) UIX02: 30 Hz - 20 kHz (+1 dB) <i>Note: Dependent on microphone type</i>
Audio Dynamic Range System Gain @ +10	XLR Analog Output: >120 dB, A weighted Dante Digital Output (Dual and Quad receivers): 130 dB (typical), A weighted
Total Harmonic Distortion -12 dBFS input, System Gain @ +10	<0.1%
System Audio Polarity	Positive pressure on microphone diaphragm produces positive voltage on pin 2 (with respect to pin 3 of XLR output) and the tip of the 6.35 mm (1/4 inch) output
Operating Temperature Range	-18 °C (0 °F) to 50 °C (122 °F) <i>Note: Battery characteristics may limit this range.</i>
Storage Temperature Range	-29°C (-20°F) to 74°C (165°F) <i>Note: Battery characteristics may limit this range.</i>

Frequency Range

Band	Range (MHz)	Transmitter Output (mW)
V50	174 to 216	1/10/20
V51	174 to 216	1/10/20
G50	470 to 534	1/10/20
G51	470 to 534	1/10/20
G52	479 to 534	1/10
H50	534 to 598	
H51	534 to 598	1/10/20
H52	534 to 565	1/10
J50	572 to 636	1/10/20
K51	606 to 670	1/10
L50	632 to 696	1/10/20
L51	632 to 696	1/10/20
P51	710 to 782	1/10/20
R51	800 to 810	1/10/20
JB (Tx only)	800 to 810	1/10
AB (Rx and Tx)	740 to 810	*A* band (770, 750, 805, 750): 1/10/20 *B* band (806, 125, 809, 750): 1/10
Q51	754 to 806	1/10/20
X52	907 to 928	1/10/20
X50	925 to 937	1/10
X51	925 to 937.5	1/10
X52	907 to 928	0.25/10/20
X53	907 to 907.5, 915 to 928	0.25/10/20
X54	915 to 928	0.25/10/20
Z16	1240 to 1260	1/10/20

*Note: Not all frequencies available in all regions. Contact your authorized Shure dealer for availability.

Furnished Accessories

All Systems	
PS41 US*	Power supply
9519279*	1/2" Wave Receiver Antenna (2)
95K2035	2" BNC Cable (2)
98AB994	BNC Bulkhead Adaptor (2)
90A28100	Rackmount Hardware kit
95A16941	5' ethernet cable
8088201	2 x AA batteries (bodypack systems)
Handheld Systems	
9519279	Microphone Clip (handheld systems)
95B2313	Handheld Zipper Bag (bodypack systems)
Bodypack Systems	
96C9043*	Bodypack Antenna
95A2313	Bodypack Zipper Bag (bodypack systems)

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NOTE:

This Radio equipment is intended for use in musical professional entertainment and similar applications. This Radio apparatus may be capable of operating on some frequencies not authorized in your region. Please contact your national authority to obtain information on authorized frequencies and RF power levels for wireless microphone products.

Rechargeable Power Management (sold separately)

SB900A Rechargeable Battery

UIX-D transmitters are compatible with the SB900A lithium-ion rechargeable battery, which provides over 12 hours of continuous use and precise tracking of remaining life and charge cycle details.

SB200 Dual Docking Recharging Station

This compact and portable unit charges batteries while in transmitters or out. Up to 4 SB200's can be charged together to run off one power supply.

SB800 Eight Battery Recharging Station

This compact and portable unit charges up to 8 SB900A batteries to full capacity within 3 hours, with status LEDs to indicate power levels. SB900A batteries fit securely in the charger for easy, efficient storage and transport.



Battery Runtimes (Note: Frequency Band Dependent)

Battery Type	1 mW	10 mW	20 mW
SB900A	>11 hours	>11 hours	>7 hours
Alkaline	<11 hours	<11 hours	<5.5 hours
NiMH	<11 hours	<11 hours	<8 hours
U-Primary	12.5-18 hours	12.5-18 hours	9.5-12 hours

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Component Specifications

ULXD4 Digital Wireless Receiver

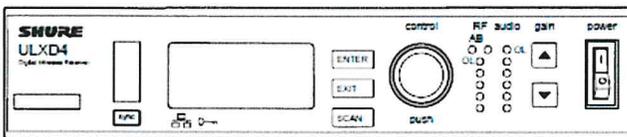
Overview

The Shure ULXD4 is a half rack wireless receiver for use with ULX-D® Digital Wireless Systems. With an expansive set of professional features, including 24 bit/48kHz digital audio quality, efficient and Intelligent RF performance, and AES 256-bit encryption, ULXD4 offers uncompromising wireless talkback for professional sound reinforcement.

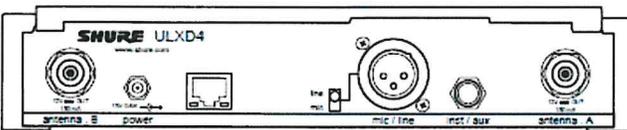
- Up to 64 MHz tuning range
- Predictive switching diversity
- Intelligent scanning automatically finds and deploys the cleanest frequencies to transmitters over IR sync
- Interference detection and alerts provided on both the receiver and WWB6
- Front panel gain adjustment buttons provide up to 60 dB additional gain
- AES 256-bit encryption enabled for applications where secure transmission is needed
- Ethernet networking for streamlined setup across multiple receivers, WWB6 integration (coming soon), and AMX/Creston control
- Support for frequency coordination with Axient Spectrum Manager (coming soon)
- Rugged metal chassis
- Intuitive front panel LCD menu and controls
- Easily readable upgraded LCD with adjustable contrast and brightness
- Audio and RF LED meters with peak indicator
- Front panel lockout
- XLR and 1/4" outputs
- Removable 1/2 wave antennas
- Furnished rack hardware

Product Specifications

Dimensions	197 mm x 171 mm x 42 mm (7.75 in. x 6.75 in. x 1.65 in.), H x W x D
Weight	913 g (2.0 lbs), without antennas
Housing	Galvanized Steel
RF Input	
Spurious Rejection	>60 dB, typical
Connector Type	BNC
Impedance	50 Ω
Bias Voltage	12" 1.3 V DC, 1.70 mA maximum, per antenna
Audio Output	
Gain Adjustment Range	18 to +42 dB in 1 dB steps (plus Mute setting)
Configuration	1/4" (6.35 mm), Impedance balanced (TP-audio, Ring-no audio, Sleeve-ground) XLR: Balanced (1-ground, 2-audio +, 3-audio -)
Impedance	1/4" (6.35 mm): 100 Ω (50 Ω Unbalanced) XLR: 100 Ω
Full Scale Output	1/4" (6.35 mm): +12 dBV XLR: LINE setting: +18 dBV, MIC setting: -12 dBV
Mute/Switch	30 dB pad
Phantom Power Protection	1/4" (6.35 mm): Yes XLR: Yes
Networking	
Power Over Ethernet (PoE)	No, protected
Network Interface	Single Port Ethernet 10/100 Mbps
Network Addressing Capability	DHCP or Manual IP address
Maximum Ethernet Cable Length	100 m (328 ft)



ULXD4 Front Panel



ULXD4 Back Panel

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Component Specifications

ULXD4D Dual Channel Digital Wireless Receiver

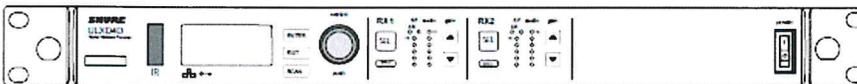
Overview

The Shure ULXD4D Dual Channel Digital Wireless Receiver offers two channels of uncompromising audio quality, RF signal stability, and advanced setup features in a space-efficient single rack unit. Digital wireless processing delivers premium 24-bit/48 kHz audio and RF spectrum efficiencies that dramatically increase the number of available compatible channels. With an expansive set of enhanced features including AES-256-bit encryption for security and Dante™ digital networking for audio over Ethernet, the ULXD4D brings a new level of performance to professional sound reinforcement.

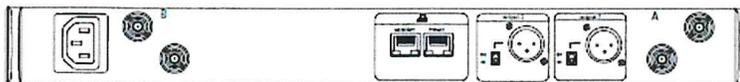
- Two receivers in a rugged 1RU metal chassis with internal power supply
- Individual gain controls, LED meters, and XLR outputs for each channel
- Up to 64 MHz tuning range (region dependent)
- Digital predictive switching diversity
- High Density mode optimizes ULX-D systems to simultaneously operate significantly more channels in applications up to 30 meters
- RF cascade ports allow distribution of RF signal to another unit
- Optimized scanning automatically finds, prioritizes, and deploys the cleanest frequencies to transmitters over IR sync
- Backpack Frequency Diversity ensures uninterrupted audio for mission-critical applications
- AES-256-bit encryption-enabled for secure transmission
- Audio summing routes both audio channels to each XLR receiver output
- Dante™ digital networked audio over Ethernet
- Up to 60 dB independently adjustable gain for each channel
- Ethernet networking for streamlined frequency coordination and deployment across multiple receivers
- Wireless Workbench® G (WWBG) software integration for advanced coordination, monitoring, and control
- Interference detection and alerts provided on both the receiver and WWBG
- AMX®/Crestron® control
- AXI600 Axien® Spectrum Manager compatible
- Intuitive front panel LCD menu and controls with lockout feature
- Audio and RF LED meters with peak indicator
- XLR connectors with switchable mic/line output level
- Removable 1/2 wave antennas

Product Specifications

Dimensions	44 mm x 467 mm x 274 mm (1.73 in. x 18.97 in. x 10.79 in.) H x W x D
Weight	3.36 kg (7.4 lbs), without antennas
Housing	Steel, Extruded Aluminum
Power Requirements	100 to 240 V AC, 50-60 Hz, 0.26 A max.
RF Input	
Spurious Rejection	>40 dB, typical
Connector type	BNC
Impedance	50 Ω
Bias Voltage	12-13 V DC, 150 mA maximum, per antenna
Audio Output	
Gain Adjustment Range	-18 to +42 dB in 1 dB steps (plus Mute setting)
Configuration	XLR: Balanced (1-ground, 2-audio +, 3-audio -)
Impedance	100 Ω
Full Scale Output	LINE setting: +18 dBV, MIC setting: -12 dBV
Mic/Line Switch	30 dB pad
Phantom Power Protection	Yes
Networking	
Network Interface	Dual Port Ethernet 10/100 Mbps, 1 Gbps
Network Addressing Capability	DHCP or Manual IP address
Maximum Ethernet Cable Length	100 m (328 ft)
Cascade Output	
Connector type	BNC; For connection of 1 additional receiver
Configuration	Unbalanced, passive
Impedance	50 Ω
Insertion Loss	0 dB



ULXD4D Front Panel



ULXD4D Back Panel

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Component Specifications

ULXD2 Wireless Handheld Transmitter

Overview

The Shure ULXD2 is a handheld wireless transmitter compatible with UDX-D9 Digital Wireless Systems. Offering premium 20 kHz - 20 kHz audio quality, advanced rechargeability options, and a wide selection of interchangeable Shure microphone heads, the ULXD2 delivers uncompromising wireless performance for professional sound reinforcement applications. The ULXD2 is offered with SM58B, SM58, SM58A, Beta 58A/B, Beta 87A, and Beta 87C.

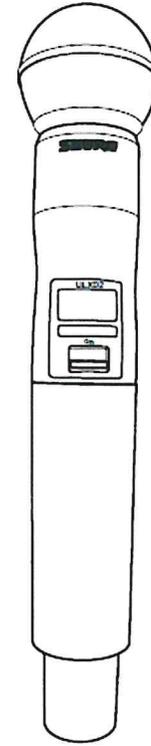
- 30 kHz to 20 kHz range with flat frequency response (actual response is microphone dependent)
- Interchangeable Shure microphone cartridges, including the legendary SM58B
- >120 dB dynamic range
- 1, 10, and 20 mW selectable RF output power
- 5 segment battery fuel gauge
- Shure lithium-ion rechargeable battery pack provides up to 12 hours of battery life, precision metering, and zero memory effect
- Up to 11 hours continuous use with 2 x AA batteries
- Backlit LCD with easy-to-navigate menu and controls
- 100 meter (300 ft) operating range
- Rugged metal construction
- Frequency and power lockout

Product Specifications

Gain Offset Range	0 to 21 dB (in 3 dB steps)
Battery Type	Shure SB900A Rechargeable Li-Ion or 1.6G AA batteries 1.5 V
Battery Runtime @ 10 mW	Shure SB900A: >11 hours Alkaline: 12 hours See Battery Runtime Chart
Dimensions	256 mm x 51 mm (10.1 in. x 2.0 in.) x Dia. V50, V51 Bands: 278 mm x 51 mm (10.9 in. x 2.0 in.) x Dia.
Weight	340 g (12.0 oz.), without batteries V50, V51 Bands: 348 g (12.3 oz.), without batteries
Housing	Machined aluminum
Audio Input	
Configuration	Unbalanced
Maximum Input Level (kHz at 1% THD)	145 dB SPL (SM58), typical Note: dependent on microphone type
Preamp/other Equivalent Input Noise (EIN) System Gain Setting > 420	120 dB, A weighted, typical
RF Output	
Antenna Type	Integrated Single Band Helical
Occupied Bandwidth	<200 kHz
Modulation Type	Shure Proprietary Digital
Power	1 mW, 10 mW, 20 mW See Frequency Range and Output Power table, varies by region

Microphone Options

ULXD2SM58	ULXD2 Handheld Transmitter with SM58® Cardioid Microphone
ULXD2SM58G	ULXD2 Handheld Transmitter with SM58G Cardioid Microphone
ULXD2SM58A	ULXD2 Handheld Transmitter with SM58A Supercardioid Microphone
ULXD2B11A 58	ULXD2 Handheld Transmitter with Beta®58A Supercardioid Microphone
ULXD2B11A 87A	ULXD2 Handheld Transmitter with Beta®87A Supercardioid Microphone
ULXD2B11A 87C	ULXD2 Handheld Transmitter with Beta®87C Cardioid Microphone
ULXD2KSM2	ULXD2 Handheld Transmitter with KSM2 Dual Pattern Condenser Vocal Microphone
ULXD2KSM9S	ULXD2 Handheld Transmitter with KSM9S Dual Pattern Condenser Vocal Microphone
ULXD2K58	ULXD2 Handheld Transmitter with KSM5 Dual-Diaphragm™ Dual Diaphragm Cardioid Dynamic Microphone (Black)
ULXD2K5N	ULXD2 Handheld Transmitter with KSM5 Dual-Diaphragm™ Dual Diaphragm Cardioid Dynamic Microphone (Nickel)



ULXD2
Wireless Handheld Transmitter

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Component Specifications

ULXD1 Wireless Bodypack Transmitter

Overview

The ULXD1 is a wireless bodypack transmitter compatible with U1X D48 Digital Systems. With a rugged yet lightweight aluminum case, the ULXD1 delivers uncompromising audio quality and RF performance, AES 256-bit encryption for secure transmission, and advanced rechargability options for professional sound reinforcement applications.

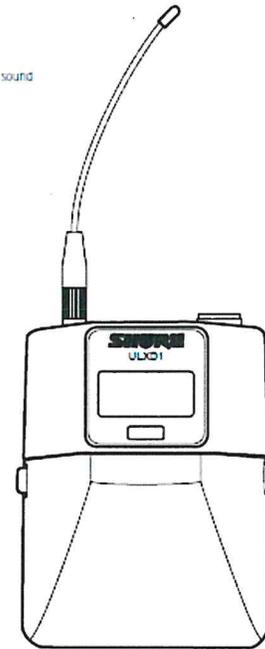
- 20 Hz to 20 kHz range with flat frequency response (actual response is microphone dependent)
- AES 256-bit encryption enabled for applications where secure transmission is needed
- >120 dB dynamic range
- 1, 10, and 20 mW selectable RF output power
- 5 segment battery fuel gauge
- Shure lithium-ion rechargeable battery pack provides up to 12 hours of battery life, precision metering, and zero memory effect
- Up to 11 hours continuous use with 2 x AA batteries
- Backlit LCD with easy-to-navigate menu and controls
- Available with 1A4M and U1M03 input connectors
- 100 meter (300 ft) operating range
- Rugged metal construction
- Frequency and power lockout

Product Specifications

Gain Offset Range	0 to 21 dB (in 3 dB steps)
Battery Type	Shure SB900A Rechargeable Li-Ion or AA batteries
Battery Runtime @ 10 mW	Shure SB900A: >11 hours Alkaline: 11 hours See Battery Runtime Chart
Dimensions	86 mm x 66 mm x 23 mm (3.4 in. x 2.6 in. x 0.9 in.) H x W x D
Weight	142 g (5.0 oz.), without batteries
Housing	Cast aluminum
Audio Input	
Connector	4 Pin male mini connector (1A4M) U1M03 connector
Configuration	Unbalanced
Impedance	1 MΩ
Maximum Input Level 1 kHz at 1% THD	130 Ohm: 8.5 dBV (7.5 Vpp) 130 Ohm: 20.5 dBV (30 Vpp)
Preampifier Equivalent Input Noise (EIN) System Gain Setting: > +20	120 dBV, A-weighted, typical
RF Output	
Connector	SMA
Antenna Type	1/4 wave
Impedance	50 Ω
Occupied Bandwidth	<200 kHz
Modulation Type	Shure Proprietary Digital
Power	1 mW, 10 mW, 20 mW See Frequency Range and Output Power table, varies by region

Microphone Options (see catalog for more)

W153	W153 condenser capsule, omnidirectional lavalier mic
W183	W183 condenser capsule, omnidirectional lavalier mic
W184	W184 condenser capsule, supercardioid lavalier mic
W185	W185 condenser capsule, cardioid lavalier mic
W150	W150 condenser capsule, omnidirectional lavalier mic
W151	W151 condenser capsule, cardioid lavalier mic
SM31FH	SM31FH condenser capsule, moisture resistant cardioid headset mic
SM35	SM35 condenser capsule, cardioid headset mic
WCM16	WCM16 condenser capsule, hypercardioid headworn mic
WH153	WH153 condenser capsule, omnidirectional headworn mic
WH154	WH154 condenser capsule, supercardioid headworn mic
WH161C	WH161C condenser capsule, cardioid instrument clip mic



ULXD1
Wireless Bodypack Transmitter

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Component Specifications

ULXD8 Wireless Gooseneck Base Transmitter

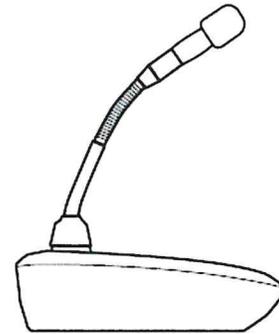
Overview

The ULXD8 Gooseneck Base transmitter offers a low profile boundary form factor that is ideal for meetings and events where quick setup and teardown is important. With long transmission range (up to 300 feet/91 meters) and a wide selection of antenna distribution components, the ULXD8 is easily and efficiently scalable for use in very large meetings at conference and convention centers. A choice of rechargeable battery pack or standard AA batteries provide all-day runtime.

- Available in UHF-TV band
- AES 256-bit encryption for secure transmission
- Convenient gooseneck form factor for meetings and events where quick setup and teardown is important
- Designed for use with Shure Microtrak MX405, MX410 and MX415 gooseneck microphones
- Very short latency (<3 msec)
- Long transmission range (up to 300 feet/100 meters)
- Rechargeable SB500A battery pack provides up to 9 hours of battery life
- Standard AA alkaline batteries are additional power options
- SBC150 (4 bay) and SBC850 (8 bay) Networked Charging Stations for docked charging of 4 or 8 ULXD8 transmitters
- Configurable Mute button (Toggle, Push to Mute, Push to Talk, Disabled) and Mute LED behavior
- Adjustable RF power, high pass filter, and power lock settings

Product Specifications

Gain Offset Range	0 to 21 dB (in 3 dB steps)
Battery Type	Shure SB500A Rechargeable Li-Ion or AA batteries
Battery Runtime @ 10 mW	Shure SB500A: Up to 9 hours Alkaline: Up to 8 hours/20 minutes <i>Note: See Battery Runtime chart</i>
Dimensions	137 mm x 29 mm x 41 mm (5.4 in. x 3.1 in. x 1.6 in.) H x W x D
Weight	293 g (10.3 oz.) with 2 AA batteries
Housing	Molded Plastic
Audio Input	
Connector	6-pin connector for Shure MX405/MX410/MX415
Configuration	Unbalanced
Impedance	>10 kΩ
RF Output	
Antenna Type	Integrated PIFA
Impedance	50 Ω
Occupied Bandwidth	<200 kHz
Modulation Type	Shure Proprietary Digital
Power	1 mW, 10 mW, 20 mW <i>See Frequency Range and Output Power table, varies by region</i>



ULXD8
Wireless Gooseneck Base Transmitter

Microphone Options (see catalog for more)

MX305L-FVC	5" Cardioid Gooseneck Microphone
MX305L-FVS	5" Supercardioid Gooseneck Microphone
MX305R-FVN	5" Gooseneck with Red Top LED (no cartridge)
MX410L-FVC	10" Cardioid Gooseneck Microphone
MX410L-FVS	10" Supercardioid Gooseneck Microphone
MX410R-FVN	10" Gooseneck with Red Top LED (no cartridge)
MX410L-PDFAC	10" Cardioid Dualflex Gooseneck Microphone
MX410L-PDFAS	10" Supercardioid Dualflex Gooseneck Microphone
MX410R-PDFVN	10" Dualflex Gooseneck with Red Top LED (no cartridge)
MX410R-PDFAC	10" Cardioid Dualflex Gooseneck Microphone with Red Top LED
MX410R-PDFAS	10" Supercardioid Dualflex Gooseneck Microphone with Red Top LED
MX415L-FVC	15" Cardioid Gooseneck Microphone
MX415L-FVS	15" Supercardioid Gooseneck Microphone
MX415R-FVN	15" Gooseneck with Red Top LED (no cartridge)
MX415L-PDFAC	15" Cardioid Dualflex Gooseneck Microphone
MX415L-PDFAS	15" Supercardioid Dualflex Gooseneck Microphone
MX415R-PDFVN	15" Dualflex Gooseneck with Red Top LED (no cartridge)
MX415R-PDFAC	15" Cardioid Dualflex Gooseneck Microphone with Red Top LED
MX415R-PDFAS	15" Supercardioid Dualflex Gooseneck Microphone with Red Top LED

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Component Specifications

ULXD6 Wireless Boundary Transmitter

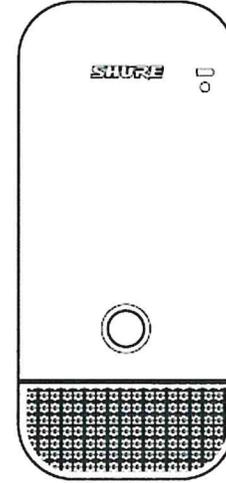
Overview

The ULXD6 Wireless Boundary Transmitter offers a low profile boundary form factor that is ideal for meetings and events where quick setup and teardown is important. With long transmission range (up to 300 feet/91 meters) and a wide selection of antenna distribution components, the ULXD6 is easily and efficiently scalable for use in very large meetings at conference and convention centers. A choice of rechargeable battery pack or standard AA batteries provide all-day runtime.

- Available in UHF-TV band
- AES 256-bit encryption for secure transmission
- Low profile boundary form factor for meetings and events where quick setup and teardown is important
- Very short latency (<3 msec)
- Long transmission range (up to 300 feet / 100 meters)
- SH900A rechargeable battery pack provides up to 9 hours of battery life
- Standard AA alkaline batteries are additional power options
- SHC450 (4-bay) and SHC850 (8-bay) Networked Charging Stations for docked charging of 4 or 8 ULXD6 transmitters
- Configurable Mute button (Toggle, Push-to-Mute, Push-to-Talk, disabled) and Mute LED behavior
- Adjustable RF power, high pass filter, and power lock settings

Product Specifications

Gain Offset Range	0 to 21 dB (in 3 dB steps)
Battery Type	Shure SH900A Rechargeable Li-Ion or AA batteries 1.5 V
Battery Runtime @ 10 mW	Shure SH900: Up to 9 hours 20 minutes AA batteries: Up to 8 hours 40 minutes See Battery Runtime chart
Dimensions	114 mm x 62 mm x 34 mm (4.5 in. x 2.4 in. x 1.4 in.) H x W x D
Weight	241 g with AA batteries
Housing	Molded Plastic
Audio Input	
Connector	6-pin connector for Shure MX405/MX410/MX415
Configuration	Unbalanced
Impedance	>>70 kΩ
RF Output	
Antenna Type	Integrated PIFA
Impedance	50 Ω
Occupied Bandwidth	<200 kHz
Modulation Type	Shure proprietary digital
Power	1 mW, 10 mW, 20 mW See Frequency Range and Output Power table, later in section



ULXD6
Wireless Boundary Transmitter

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Component Specifications

SBC450 & SBC850 Networked Charging Stations

Overview

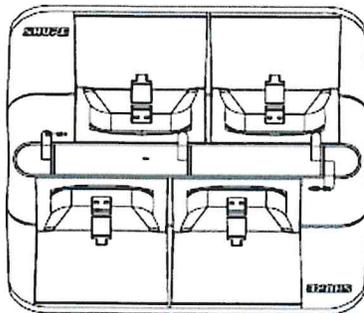
4 bay and 8 bay Networked Charging Stations charges up to 4 or 8 UIXD6 or UIXD8 transmitters that are equipped with the SB900A rechargeable battery. The transmitters simply slide into the charger, no need to remove the SB900A battery. When the Chargers are connected to a network, charging status of transmitters can be viewed remotely and settings or firmware can be updated while transmitters are in the charger, using Shure Wireless Workbench, SystemOn software or third party room control systems.

Product Specifications

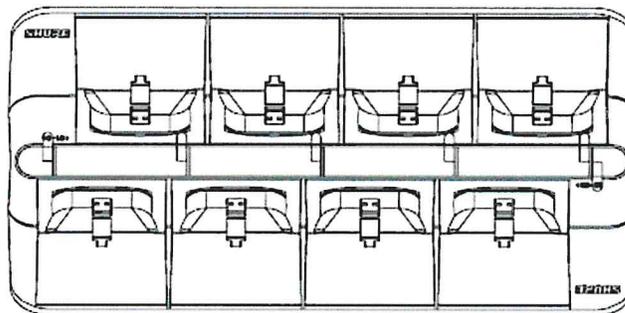
Charge Time	UIXD6 and UIXD8 15 minutes - 1 hour runtime; 1 hour - 50% charged; 2 hours - 100% charged
Network Interface	10/100 Mbps Ethernet
Power Requirement	15 V DC @ 4.0 A maximum, supplied by external power supply (tip positive)
Housing	Molded Plastic, Cast Zinc Alloy
Dimensions	SBC450 82.1 mm x 224.4 mm x 192 mm (3.23 in. x 8.83 in. x 7.56 in.), H x W x D SBC850 82.1 mm x 392 mm x 192 mm (3.23 in. x 15.43 in. x 7.56 in.), H x W x D
Weight	SBC450 1.59 kg (3.51 lbs) SBC850 2.67 kg (5.89 lbs)
Operating Temperature Range	0 °C (32 °F) to 45 °C (113 °F)
Storage Temperature Range	-29 °C (-20 °F) to 74 °C (165 °F)

Available Models

SBC450	Networked Charging Station, 4 Ports
SBC850	Networked Charging Station, 8 Ports



SBC450
Networked Charging Station



SBC850
Networked Charging Station

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Product Specifications

KSM141 Dual-pattern End-Address Condenser Microphone

Overview

The Shure KSM141 is a small diaphragm end-addressed condenser microphone with a rotating collar allowing easy switching between a highly consistent cardioid or true omnidirectional polar pattern for smooth and extremely focused sound reproduction. Designed for studio use, yet rugged enough for live applications, the KSM141 can withstand extremely high sound pressure levels (SPL). Its low self-noise and extended frequency response make it ideal for recording musical instruments. Versatile, durable, and precise, the KSM141 is an outstanding microphone for both live and studio applications.

Features

- A mechanical polar pattern switch for highly consistent cardioid and true omnidirectional polar patterns. Provides flexibility in a wide variety of recording applications.
- Ultra-thin, 2.5 µm 24 karat gold-layered, low mass Mylar® diaphragm for superior transient response.
- Class A, discrete, transformerless preamplifier for transparency, extremely fast transient response, no crossover distortion, and minimal harmonic and intermodulation distortion.
- Premium electronic components, including gold-plated internal and external connectors.
- Subsonic filter eliminates low frequency rumble (less than 17 Hz) caused by mechanical vibration.
- Three-position switchable pad (0 dB, 15 dB, and 25 dB) for handling extremely high sound pressure levels (SPLs).
- Three-position switchable low frequency filter reduces background noise and counteracts proximity effect.

Available Models

KSM141SL	Includes Stand Adapter, Windscreen, and Carrying Case
KSM141SL STEREO	Includes two KSM141, two Stand Adapters, two Windscreens, A27M Stereo Microphone Adapter and Carrying Case

Specifications

Cartridge Type	Electret Condenser
Frequency Response	20 to 20,000 Hz
Output Impedance	150 ohms (actual)
Power Requirements	48 Vdc phantom, 4.7 mA
Common Mode Rejection	>50 dB, 50 Hz to 20 kHz
Polarity	Positive pressure on front diaphragm produces positive voltage on output pin 2 relative to pin 3
Polar Patterns	Cardioid, Omnidirectional
Sensitivity	-37 dBV/Pa
Typical, at 1000 Hz, 1 Pa = 94 dB SPL	
Self-noise	14 dB
(typical, equivalent SPL, A-weighted, IEC 6051)	
Maximum SPL @ 1000 Hz	
5000 ohms load	134 dB (159 dB, -25 Pad)
2500 ohms load	135 dB (164 dB, -25 Pad)
1000 ohms load	134 dB (159 dB, -25 Pad)
Output Clipping Level	
5000 ohms load	15 dBV
2500 ohms load	9 dBV
1000 ohms load	3 dBV
Dynamic Range	
5000 ohms load	131 dB
2500 ohms load	125 dB
1000 ohms load	120 dB
Signal to Noise ratio	90 dB
Weight	Net: 156 g (5.5 oz)
Switch	Attenuator: 0, -15, -25 dB Low Frequency Response: flat, -6 dB/octave below 115 Hz, -18 dB/octave below 80 Hz

Furnished Accessories

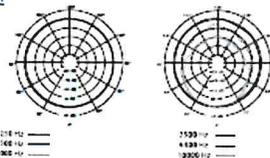
A100G	Case	A100WS	Windscreen
A27M	Stereo Microphone Adapter	A57F	Stand Adapter



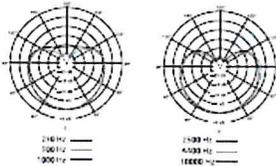
KSM141

Polar Patterns

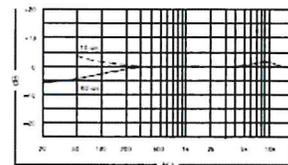
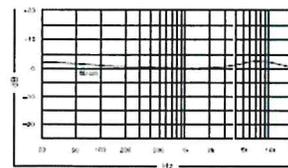
Omnidirectional



Cardioid



Frequency Responses



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DATE: 3/07/2018
BID NO.: 50-00122291

INVITATION TO BID
THIS IS NOT AN ORDER

Page: 1

JEFFERSON PARISH

PURCHASING DEPARTMENT
P.O. BOX 9
GRETNA, LA. 70054-0009
504-364-2678

BUYER: DREAMEY@jeffparish.net

BIDS WILL BE RECEIVED IN THE WEST BANK PURCHASING DEPT, SUITE 4400, JEFFERSON PARISH GENERAL GOVERNMENT BUILDING, 200 DERBIGNY STREET, GRETNA, LA 70053 UNTIL 2:00 PM, 3/22/2018 AND PUBLICLY OPENED THEREAFTER.

For convenience, bidders may also submit bids in the East Bank Purchasing Department, Suite 404, Jefferson Parish Joseph S. Yenni Building, 1221 Elmwood Park Blvd., Jefferson LA 70123. However, if submitting bids on the day of bid opening, bidders must submit at the West Bank location only. All bids will be publicly opened at the West Bank location.

At no charge, bidders may also submit via Jefferson Parish's electronic procurement page by visiting www.jeffparishbids.net to register for this free site. Additional instructions are included in the text box highlighting electronic procurement.

LATE BIDS WILL NOT BE ACCEPTED

Unless submitting via online (see Page 3), each bid must be submitted in a sealed envelope bearing on the outside; the name of the Bidder, his address, and the name of the project for which the bid is submitted and the bid number.

NOTE: ONLY BIDS WRITTEN IN INK OR TYPEWRITTEN, AND PROPERLY SIGNED BY A MEMBER OF THE FIRM OR AUTHORIZED REPRESENTATIVE, WILL BE ACCEPTED. PENCIL AND/OR PHOTOSTATIC FIGURES OR SIGNATURES SHALL RESULT IN BID REJECTION.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

THE FOLLOWING INSTRUCTIONS APPLY TO ALL BIDS

All bids submitted are subject to these instructions and general conditions and any special conditions and specifications contained herein, all of which are made part of this bid proposal reference. By submitting a bid, vendor agrees to comply with all provisions of Louisiana Law as well be in compliance with the Jefferson Parish Code of Ordinances, Louisiana Code of Ethics, applicable Jefferson Parish ethical standards and Jefferson Parish Resolution No. 113646 and/or Resolution No. 113647.

All vendors submitting bids should register as a Jefferson Parish vendor if not already yet registered. Registration forms may be downloaded from <http://purchasing.jeffparish.net> and by clicking on Vendor Information. Current W-9 forms with respective Tax Identification numbers and vendor applications may be submitted at any time; however, if your company is not registered and/or a current W-9 form is not on file, vendor registration is mandatory. Further, a current W-9 form and respective Tax Identification number must be supplied upon contract execution, should you be awarded a contract and/or issued purchase order. Failure to do so may result in delay of payment.

All quotations shall be based on F.O.B. Agency warehouse or job site, anywhere within the Parish as designated by the Purchasing Department. This provision does not apply to public works projects

JEFFERSON PARISH requires all products to be new (current) and all work must be performed according to standard practices for the project. Unless otherwise specified, no aftermarket parts will be accepted. Unless otherwise specified, all workmanship and materials must have at least one (1) year guaranty, in writing, from the date of delivery and/or acceptance of the project. Any deviations or alterations from the specifications must be indicated and/or supporting documentation supplied with bid submission.

Bidders should submit all questions in writing via email to the buyer's email address as indicated above, no later than Five (5) working days prior to the bid opening. Bid numbers should be mentioned in all requests. If submitting online, vendors may send questions via the E-Procurement site no later than Five (5) working days prior to the bid opening.

If this bid requires a pre-bid conference (see Additional Requirements section), bidders are advised that such conference will be held to allow bidders the opportunity to identify any discrepancies in the bid specifications and seek further clarification regarding instructions. The Purchasing Department will issue a written response to bidders' questions in the form of an Addendum. Please note that all official communication will be expressed in the form of an addendum.

All formal Addenda require written acknowledgement on the bid form by the bidder. Failure to acknowledge an Addendum on the bid form shall cause the bid to be rejected. JEFFERSON PARISH reserves the right to award bid to next lowest responsive and responsible bidder in this event.

The purpose and intention of this invitation to bid is to afford all suppliers an equal opportunity to bid on all construction, maintenance, repair, operating supplies and/or equipment listed in this bid proposal. JEFFERSON PARISH WILL ACCEPT ONE BID ONLY FROM EACH VENDOR. Items bid must meet specifications.

Visit our website at [HTTP://PURCHASING.JEFFPARISH.NET](http://PURCHASING.JEFFPARISH.NET)

JEFFERSON PARISH will accept one price for each item unless otherwise indicated. Two or more prices for one item will result in bid rejection. Bidders are required to complete, sign and return the bid form and/or complete and return the associated line item pricing forms as indicated. Vendors must not alter the bid forms. Doing so will cause the bid to be rejected.

A corporate resolution or written evidence of the individual signing the bid having such authority must be submitted with the bid. Failure to comply will cause bid to be rejected. For corporate entities, such written evidence may be a printout of the Louisiana Secretary of State's website listing the signatory as an officer. Such printout shall be included with the bid submission. Bids submitted by Owners or Sole Proprietorships must include certification that he or she owns the entity for which the bid is signed. This documentation must be submitted with the bid. Failure to do so will result in bid rejection.

NOTE: A sample corporate resolution can be downloaded from our website <http://purchasing.jeffparish.net> or you may provide your own document. A sample certification of sole proprietorship can also be downloaded from our website <http://purchasing.jeffparish.net> or you may provide your own document.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

A. AWARD OF CONTRACT: JEFFERSON PARISH reserves the right to award contracts or place orders on a lump sum or individual item basis, or such combination, as shall in its judgment be in the best interest of JEFFERSON PARISH. Every contract or order shall be awarded to the LOWEST RESPONSIVE and RESPONSIBLE BIDDER, taking into consideration the CONFORMITY WITH THE SPECIFICATIONS and the DELIVERY AND/OR COMPLETION DATE. SPLIT AWARDS MADE TO SEVERAL VENDORS WILL ONLY BE GRANTED TO THOSE DEEMED RESPONSIVE AND RESPONSIBLE.

All bid prices shall remain valid for 45 days. Jefferson Parish and the lowest responsive and responsible bidder(s) by mutual written consent may mutually agree to extend the deadline for award by one (1) or more extensions of thirty (30) calendar days.

PROTESTS: Only those vendors that submitted a bid in response to this solicitation may submit a protest in writing to the Director of the Purchasing within 48 hours of bid opening. The Purchasing Director will review it in connection with the Parish Attorney's Office which will then respond in writing as soon as possible.

PREFERENCE: Unless federal funding is directly spent by Jefferson Parish for this purchase, preference is hereby given to materials, supplies, and provisions produced, manufactured or grown in Louisiana, quality being equal to articles offered by competitors outside the state. "LSA – R.S. 38:2251-2261"

B. USE OF BRAND NAMES AND STOCK NUMBERS: Where brand names and stock numbers are specified, it is for the purpose of establishing certain minimum standards of quality. Bids may be submitted for products of equal quality, provided brand names and stock numbers are specified. Complete product data may be required prior to award.

C. CANCELLATION OF CONTRACT: JEFFERSON PARISH reserves the right to cancel all or any part if not shipped promptly. No charges will be allowed for parking or cartage unless specified in quotation. The order must not be filled at a higher price than quoted. JEFFERSON PARISH reserves the right to cancel any contract at anytime and for any reason by issuing a THIRTY (30) day written notice to the contractor.

For good cause and as consideration for executing a contract with Jefferson Parish, vendor conveys, sells, assigns and transfers to Jefferson Parish or its assigns all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of Louisiana, relating to the particular good or services purchased or acquired by Jefferson Parish.

D. PRICES: Jefferson Parish is exempt from paying sales tax under LSA-R.S. 47:301 (8)(c). All prices for purchases by Jefferson Parish of supplies and materials shall be quoted in the unit of measure specified and unless otherwise specified, shall be exclusive of state and Parish taxes. The price quoted for work shall be stated in figures. In the event there is a difference in unit prices and totals, the unit price shall prevail.

Quantities listed are for bidding purposes only. Actual requirements may be more or less than quantities listed.

Bidders are not to exclude from participation in, deny the benefits of, or subject to discrimination under any program or activity, any person in the United States on the grounds of race, color, national origin, or sex; nor discriminate on the basis of age under the Age Discrimination Act of 1975, or with respect to an otherwise qualified handicapped individual as provided in Section 504 of the Rehabilitation Act of 1973, or on the basis of religion, except that any exemption from such prohibition against discrimination on the basis of religion as provided in the Civil Rights Act of 1964, or Title VI and VII of the Act of April 11, 1968, shall also apply. This assurance includes compliance with the administrative requirements of the Revenue Sharing final handicapped discrimination provisions contained in Section 51.55 (c), (d), (e), and (k)(5) of the Regulations. New construction or renovation projects must comply with Section 504 of the 1973 Rehabilitation Act, as amended, in accordance with the American National Standard Institute's specifications (ANSI A17.1-1961).

Jefferson Parish and its partners as the recipients of federal funds are fully committed to awarding a contract(s) to firm(s) that will provide high quality services and that are dedicated to diversity and to containing costs. Thus, Jefferson Parish strongly encourages the involvement of minority and/or woman-owned business enterprises (DBE's, including MBE's, WBE's and SBE's) to stimulate participation in procurement and assistance programs.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

Advertised bids will be tabulated and a copy of the tabulation will be forwarded to each responding bidder.

IN ACCORDANCE WITH STATE REGULATIONS JEFFERSON PARISH OFFERS ELECTRONIC PROCUREMENT TO ALL VENDORS

This electronic procurement system allows vendors the convenience of reviewing and submitting bids online. This is a secure site and authorized personnel have limited read access only. Bidders are encouraged to submit electronically using this free service; while the website accepts various file types, one single PDF file containing all appropriate and required bid documents is preferred. Bidders submitting uploaded images of bid responses are solely responsible for clarity. If uploaded images/documents are not legible, then bidder's submission will be rejected. Please note all requirements contained in this bid package for electronic bid submission.

Please visit our E-Procurement Page at www.jeffparishbids.net to register and view Jefferson Parish solicitations. For more information, please visit the Purchasing Department page at <http://purchasing.jeffparish.net>.

The general specifications for construction projects and the purchase of materials, services and/or supplies are those adopted by the JEFFERSON PARISH Council by Resolution No. 113646 or 113647 dated 12/09/09. The general conditions adopted by this resolution shall be considered as much a part of this document as if they were written wholly herein. A copy may be obtained from the Office of the Parish Clerk, Suite 6700, Jefferson Parish General Government Building, 200 Derbigny Street, Gretna, LA 70053. You may also obtain a copy by visiting the Purchasing Department webpage at <http://purchasing.jeffparish.net> and clicking on Online Forms.

ADDITIONAL REQUIREMENTS FOR THIS BID

PLEASE MATCH THE NUMBERS PRINTED IN THIS BOX WITH THE CORRESPONDING INSTRUCTIONS BELOW.

13, 15

1. All bidders must attend the MANDATORY pre-bid conference and will be required to sign in and out as evidence of attendance. In accordance with LSA R.S. 38:2212(l), all prospective bidders shall be present at the beginning of the MANDATORY pre-bid conference and shall remain in attendance for the duration of the conference. Any prospective bidder who fails to attend the conference or remain for the duration shall be prohibited from submitting a bid for the project.
2. Attendance to this pre-bid conference is optional. However, failure to attend the pre-bid conference shall not relieve the bidder of responsibility for information discussed at the conference. Furthermore, failure to attend the pre-bid conference and inspection does not relieve the successful bidder from the necessity of furnishing materials or performing any work that may be required to complete the work in accordance with the specification with no additional cost to the owner.
3. Contractor must hold current applicable JEFFERSON PARISH licenses with the Department of Inspection and Code Enforcement. Contractor shall obtain any and all permits required by the JEFFERSON PARISH Department of Inspection and Code Enforcement. The contractor shall be responsible for the payment of these permits. All permits must be obtained prior to the start of the project. Contractor must also hold any and all applicable Federal and State licenses. Contractor shall be responsible for the payment of these permits and shall obtain them prior to the start of the project.
4. A LA State Contractor's License will be required in accordance with LSA R.S. 37-2150 et. seq. and such license number will be shown on the outside of the bid envelope. Failure to comply will cause the bid to be rejected. Additionally if submitting the bid electronically, then the license number must be entered in the appropriate field in the Electronic Procurement system. Failure to comply will cause the bid to be rejected.
5. It is the bidder's responsibility to visit the job site and evaluate the job before submitting a bid.
6. Job site must be clean and free of all litter and debris daily and upon completion of the contract. Passageways must be kept clean and free of material, equipment, and debris at all times. Flammable material must be removed from the job site daily because storage will not be permitted on the premises. Precautions must be exercised at all times to safeguard the welfare of JEFFERSON PARISH and the general public.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

7. PUBLIC WORKS BIDS: All awards for public works in excess of \$5,000.00 will be reduced to a formal contract which shall be recorded at the contractor's expense with the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. A price list of recordation costs may be obtained from the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. All awards in excess of \$25,000.00 will require both a performance and a payment bond. Unless otherwise stated in the bid specifications, the performance bond requirements shall be 100% of the contract price. Unless otherwise state in the bid specifications, the payment bond requirements shall be 100% of the contract price. Both bonds shall be supplied at the signing of the contract.
8. NON-PUBLIC WORKS BIDS: A performance bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The performance bond shall be supplied at the signing of the contract.
9. NON-PUBLIC WORKS BIDS: A payment bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The payment bond shall be supplied at the signing of the contract.
10. All bidders must comply with the requirements stated in the attached "Standard Insurance Requirements" sheet attached to this bid solicitation. Prior to contract executions/purchase order issuance, the successful bidder will be required to provide final insurance certificates which shall name Jefferson Parish as an additional insured in accordance with the instructions in the aforementioned "Standard Insurance Requirements" sheet.
11. A bid bond will be required with bid submission in the amount of 5% of the total bid, unless otherwise stated in the bid specifications. Acceptable forms shall be limited to cashier's check, certified check, or surety bid bond. All sureties must be in original format (no copies) If submitting a bid online, vendors must submit an electronic bid bond through the respective online clearinghouse bond management system(s) as indicated in the electronic bid solicitation on Central Auction House. No scanned paper copies of any bid bond will be accepted as part of the electronic bid submission.
12. This is a requirements contract to be provided on an as needed basis. JEFFERSON PARISH makes no representations on warranties with regard to minimum guaranteed quantities unless otherwise stated in the bid specifications.
13. Freight charges should be included in total cost when quoting. If not quoted FOB DELIVERED, freight must be quoted as a separate item. Bid may be rejected if not quoted FOB DELIVERED or if freight charges are not indicated on bid form.
14. PUBLIC WORKS BIDS - Completed, Signed and Properly Notarized Affidavits Required; This applies to all solicitations for construction, alteration or demolition of public buildings or projects, in conformity with the provisions contained in LSA-RS 38:2212.9, LSA-RS 38:2212.10, LSA-RS 38:2224, and Sec 2-923.1 of the Jefferson Parish Code of Ordinances. For bidding purposes, all bidders must submit with bid submission COMPLETED, SIGNED and PROPERLY NOTARIZED Affidavits, including: Non-Collusion Affidavit, Non-Collusion Affidavit, Campaign Contribution Affidavit, Debt Disclosures Affidavit and E-Verify Affidavit. For the convenience of vendors, all affidavits have been combined into one form entitled PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format, and without material alteration, in order to be compliant and for the bid to be considered responsive. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid, however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.
15. NON PUBLIC WORK BIDS - Completed, Signed and Properly Notarized Affidavits Required in conformity with the provisions contained in LSA – RS 38:2224 and Sec 2-923.1 of the Jefferson Parish Code of Ordinances. For bidding purposes, all bidders must submit with bid submission COMPLETED, SIGNED and PROPERLY NOTARIZED Affidavits, including: Non-Collusion Affidavit, Debt Disclosures Affidavit and Campaign Contribution Affidavit. For the convenience of vendors, all affidavits have been combined into one form entitled NON PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format, and without material alteration, in order to be compliant and for the bid to be considered responsive. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid, however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.
16. The ensuing contract for this bid solicitation may be eligible for FEMA reimbursement and/or Federal funding/reimbursement. As such, the referenced appendix will be applicable accordingly and shall be considered a part of the bid documents. All applicable certifications must be duly completed, signed and submitted with bid submission. Failure to submit applicable certifications with bid submission will result in bid rejection.
17. For this project, the Contractor shall not pay any state or local sales or use taxes on materials and equipment which are affixed and made part of the immovable property of the project or which permanently incorporated in the project (hereinafter referred to as "applicable materials and equipment"). All purchases of applicable materials or equipment shall be made by the contractor on behalf of and as the agent of Jefferson Parish (Owner), a political subdivision of the State of Louisiana. No state and local sales and use taxes are owned on applicable materials and equipment under the provisions of Act 1029 of the 1991 Regular Session – Louisiana Revised Statute 47:301(8)(c). Owner will furnish contractor a certificate form which certifies that Owner is not required to pay such state or local sales and use taxes, and contractor shall furnish a copy of such certificate to all vendors or suppliers of the applicable materials and equipment

It shall be the duty of every parish officer, employee, department, agency, special district, board, and commission: and the duty of every contractor, subcontractor, and licensee of the parish, and the duty of every applicant for certification of eligibility for a parish contract or program, to cooperate with the Inspector General in any investigation, audit, inspection, performance review, or hearing pursuant to Jefferson Parish Code of Ordinances Section 2-155.10(19). By submitting a bid, vendor acknowledges this and will abide by all provisions of the referenced Jefferson Parish Code of Ordinances.

All Public Work Projects are required to use the Louisiana Uniform Public Work Bid Form

All prices must be held firm unless an escalation provision is requested in this bid. Jefferson Parish will allow one escalation during the term of the contract, which may not exceed the U.S. Bureau of Labor Statistics National Index for all Urban Consumers, unadjusted 12 month figure. The most recently published figure issued at the time an adjustment is requested will be used. A request must be made in writing by the vendor, and the escalation will only be applied to purchases made after the request is made.

Are you requesting an escalation provision?

YES _____ NO X

MAXIMUM ESCALATION PERCENTAGE REQUESTED N/A %

INITIAL BID PRICES WILL REMAIN FIRM THROUGH THE DATE OF 7/22/2018.

For the purposes of comparison of bids when an escalation provision is requested, Jefferson Parish will apply the maximum escalation percentage quoted by the bidder to the period to which it is applied in the bid. The initial price and the escalation will be used to calculate the total bid price. It will be assumed, for comparison of prices only, that an equal amount of material or labor is purchased each month throughout the entire contract.

DELIVERY: FOB JEFFERSON PARISH

INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES 3 weeks after award

LOUISIANA CONTRACTOR'S LICENSE NO.: (if applicable) _____

THIS SECTION MUST BE COMPLETED BY BIDDER:

FIRM NAME: New Era Information Technologies, LLC

ADDRESS: 277 Plauche St

CITY, STATE: Harahan, LA ZIP: 70123

TELEPHONE: (504) 875-2101 FAX: (504) 208-3196

EMAIL ADDRESS: glen@newerait.net

In the event that addenda are issued with this bid, bidders MUST acknowledge all addenda on the bid form. Bidder must acknowledge receipt of an addendum on the bid form as indicated. Failure to acknowledge any addendum on the bid form will result in bid rejection.

Acknowledge Receipt of Addenda: NUMBER: _____
NUMBER: _____
NUMBER: _____
NUMBER: _____

TOTAL PRICE OF ALL BID ITEMS: \$ \$57,121.76

AUTHORIZED SIGNATURE: Glen Feucht

Glen Feucht

Printed Name

TITLE: Chief Operating Officer

SIGNING INDICATES YOU HAVE READ AND COMPLY WITH THE INSTRUCTIONS AND CONDITIONS.

NOTE: All bids should be returned with the BID NUMBER and BID OPENING DATE indicated on the outside of the envelope submitted to the Purchasing Department.

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00122291

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
			ONE TIME PURCHASE OF VARIOUS AUDIO ITEMS FOR JEFFERSON PARISH PERFORMING ARTS CENTER.	\$1,595.00	\$6,380.00
1	4.00	EA	0010 > JBL SRX 828 SUBWOOFER		
2	1.00	EA	0020 > CROWN IT 4X3500HDS DIGITAL AMPLIFIERS	\$8,240.00	\$8,240.00
3	8.00	EA	0030 > JBL PRX 812 W	\$745.00	\$5,960.00
4	4.00	EA	0040 > JBL PRX 818XLF POWERED SUB	\$1,095.00	\$4,380.00
5	2.00	EA	0050 > SHURE SE535LTD LIMITED EDITION SE535 SOUND ISOLATING EARPHONES	\$495.00	\$990.00
6	1.00	EA	0060 > JUMPERZ CPC CROSSPATCHER SYSTEM	\$2,308.40	\$2,308.40
7	2.00	EA	0070 > JUMPERZ 100' 12 CHANNEL CPC MALE TO CPC FEMALE CABLE	\$98.00	\$196.00
8	2.00	EA	0080 > JUMPERZ 50' 12 CHANNEL CPC MALE TO CPC FEMALE CABLE	\$60.00	\$120.00
9	2.00	EA	0090 > JUMPERZ 75' 12 CHANNEL CPC MALE TO CPC FEMALE CABLE	\$80.00	\$160.00
10	1.00	EA	0100 > JUMPERZ 12 CHANNEL RED SUBBOX WITH MALE (INPUT) CPC TO FEMALE CHASSIS XLR CONNECTORS LABELED 1-12	\$326.25	\$326.25
11	1.00	EA	0110 > 12 CHANNEL YELLOW SUBBOX WITH MALE (INPUT) CPC TO FEMALE CHASSIS XLR CONNECTORS LABELED 1-12	\$326.25	\$326.25
12	1.00	EA	0120 > 12 CHANNEL BLUE SUBBOX WITH MALE (INPUT) CPC AND FEMALE (THRU) CPC TO FEMALE CHASSIS XLR CONNECTORS LABELED	\$419.05	\$419.05

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00122291

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
			1-12		
13	1.00	EA	0130 > JUMPERZ 12 CHANNEL GREEN SUBBOX WITH MALE (INPUT) CPC AND FEMALE (THRU) CPC TO FEMALE CHASSIS XLR CONNECTORS LABELED 1-12	\$419.05	\$419.05
14	1.00	EA	0140 > SHURE ULXD4Q QUAD DIGITAL WIRELESS RECEIVER	\$5,015.00	\$5,015.00
15	4.00	EA	0150 > SHURE ULXD2 HAND HELD TRANSMITTER W/SM 58 CAPSULE	\$474.00	\$1,896.00
16	4.00	EA	0160 > SHURE ULXD1=G50	\$445.00	\$1,780.00
17	2.00	EA	0170 > 50 OHM BNC CABLES 25'	\$56.00	\$112.00
18	1.00	EA	0180 > RACK FOR WIRELESS *NOTE: 10 SPACE RACK W 2 2 SPACE DRAWERS. NO CASTERS	\$349.97	\$349.97
19	2.00	EA	0190 > SHURE UA874 ACTIVE ANTENNA	\$374.00	\$748.00
20	8.00	EA	0200 > SHURE SM57 DYNAMIC MICROPHONE	\$99.00	\$792.00
21	8.00	EA	0210 > SHURE SM58 DYNAMIC MICROPHONE	\$98.00	\$784.00
22	1.00	EA	0220 > SHURE BETA 52 DYNAMIC MICROPHONE	\$189.00	\$189.00
23	4.00	EA	0230 > SENNHEISER 904 DRUM MICS	\$199.00	\$796.00
24	2.00	EA	0240 > AUDIA TECHNICA AT 857QLU	\$265.00	\$530.00
25	4.00	EA	0250 > SHURE KSM 141/SL	\$395.00	\$1580.00
26	1.00	EA	0260 > RADIAL USB PRO	\$225.00	\$225.00

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00122291

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
27	1.00	EA	0270 > RADIAL BT PRO	\$225.00	\$225.00
28	1.00	EA	0280 > RADIAL JPC	\$198.00	\$198.00
29	4.00	EA	0290 > RADIAL PRO DI PASSIVE DI	\$98.00	\$392.00
30	4.00	EA	0300 > RADIAL PRO 48 ACTIVE DI	\$98.00	\$392.00
31	8.00	EA	0310 > COUNTRYMAN E6I HEADWORN MICROPHONE *NOTE: E6I-D-W7-T-2-SL	\$375.00	\$3,000.00
32	1.00	EA	0320 > CUSTOM SIGNAL AND POWER CABLES FOR JBL MONITORS *NOTE: CUSTOM CABLES WITH POWER AND SIGNAL IN ONE. 3 X 100', 4 X 75', 2 X 50', 3 X 20'	\$2,118.83	\$2,118.83
33	1.00	EA	0330 > CUSTOM CABLING FOR THE POWERED SUBS *NOTE: CUSTOM CABLES WITH POWER AND SIGNAL IN ONE. 1 X 100', 1 X 75', 2 X 50'	\$730.52	\$730.52
34	8.00	EA	0340 > 100' XLR MICROPHONE CABLE	\$28.90	\$231.20
35	8.00	EA	0350 > 50' XLR MICROPHONE CABLE	\$18.50	\$148.00
36	40.00	EA	0360 > 30' XLR MICROPHONE CABLE	\$12.45	\$498.00
37	12.00	EA	0370 > 10' XLR MICROPHONE CABLE	\$6.43	\$77.16
38	6.00	EA	0380 > 18' INSTRUMENT CABLE	\$6.22	\$37.32
39	6.00	EA	0390 > 10' INSTRUMENT CABLE	\$4.50	\$27.00

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00122291

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
40	4.00	EA	0400 > 50' 6 PIN COMMUNICATION CABLE	\$86.00	\$344.00
41	1.00	EA	0410 > NL4 CABLES TO POWER SUBS *NOTE: 2 X 100' 12 GAUGE CABLE WITH NL4 CONNECTORS CUSTOM LABELS	\$340.00	\$340.00
42	1.00	EA	0420 > CAT 6 FOR FOH SNAKE *NOTE: INSTALL CABLE 1000' ROLL PLUS RF45 CONNECTORS AND NEUTRIK RF45 BARRELLS	\$471.00	\$471.00
43	12.00	EA	0430 > K&M 210/9 TALL BOOM	\$89.00	\$1,068.00
44	8.00	EA	0440 > K&M 259 SHORT STAND	\$84.99	\$679.92
45	8.00	EA	0450 > K&M 260 STRAIGHT STAND	\$71.99	\$575.92
46	8.00	EA	0460 > K&M 232 TABLE TOP STAND	\$36.99	\$295.92
47	1.00	EA	0470 > DELIVERY BIDDING COMPANY IS REQUIRED TO PROVIDE ON-SITE SERVICE AND/OR REPAIRS TO ALL EQUIPMENT LISTED IN THIS BID WITHIN ONE (1) HOUR OF RECEIVING A SERVICE REQUEST FROM JEFFERSON PARISH OR PROVIDE A LOANER PIECE OF EQUIPMENT THAT IS IDENTICAL TO THE MALFUNCTIONING EQUIPMENT IN THE EVENT THAT THE EQUIPMENT CANNOT BE REPAIRED IN TIME FOR THE NEXT SCHEDULED PERFORMANCE. ALL EQUIPMENT SHALL HAVE A MINIMUM OF 1-YEAR WARRANTY ORDERED BY/FOR: C.CALMETTE/A.FRANCIS DELIVER TO: JEFFERSON PERFORMING ARTS CENTER ATTN: JOSE TORRES 6400 AIRLINE DRIVE METAIRIE, LA 70003 (504)731-4700	\$250.00	\$250.00

CORPORATE RESOLUTION

EXCERPT FROM MINUTES OF MEETING OF THE BOARD OF DIRECTORS OF
New Era Information Technologies, LLC.

AT THE MEETING OF DIRECTORS OF **New Era Information Technologies, LLC**,
DULY NOTICED AND HELD ON **July 20, 2017**, A QUORUM BEING THERE
PRESENT, ON MOTION DULY MADE AND SECONDED. IT WAS:

RESOLVED THAT **Glen Feucht**, BE AND IS HEREBY APPOINTED, CONSTITUTED
AND DESIGNATED AS AGENT AND ATTORNEY-IN-FACT OF THE CORPORATION
WITH FULL POWER AND AUTHORITY TO ACT ON BEHALF OF THIS
CORPORATION IN ALL NEGOTIATIONS, BIDDING, CONCERNS AND
TRANSACTIONS WITH THE PARISH OF JEFFERSON OR ANY OF ITS AGENCIES,
DEPARTMENTS, EMPLOYEES OR AGENTS, INCLUDING BUT NOT LIMITED TO,
THE EXECUTION OF ALL PROPOSALS, PAPERS, DOCUMENTS, AFFIDAVITS,
BONDS, SURETIES, CONTRACTS AND ACTS AND TO RECEIVE ALL PURCHASE
ORDERS AND NOTICES ISSUED PURSUANT TO THE PROVISIONS OF ANY SUCH
PROPOSAL OR CONTRACT, THIS CORPORATION HEREBY RATIFYING,
APPROVING, CONFIRMING, AND ACCEPTING EACH AND EVERY SUCH ACT
PERFORMED BY SAID AGENT AND ATTORNEY-IN-FACT.

I HEREBY CERTIFY THE FOREGOING TO BE
A TRUE AND CORRECT COPY OF AN
EXCERPT OF THE MINUTES OF THE ABOVE
DATED MEETING OF THE BOARD OF
DIRECTORS OF SAID CORPORATION, AND
THE SAME HAS NOT BEEN REVOKED OR
RESCINDED.



CEO

July 20, 2017

DATE

Non-Public Works Bid

AFFIDAVIT

STATE OF LOUISIANA

PARISH/COUNTY OF JEFFERSON

BEFORE ME, the undersigned authority, personally came and appeared: DAVID B. Campbell

_____, (Affiant) who after being by me duly sworn, deposed and said that he/she is the fully authorized AGENT of NEWERAIT (Entity), the party who submitted a bid in response to Bid Number 50-00122291, to the Parish of Jefferson.

Affiant further said:

Campaign Contribution Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A Attached hereto is a list of all campaign contributions, including the date and amount of each contribution, made to current or former elected officials of the Parish of Jefferson by Entity, Affiant, and/or officers, directors and owners, including employees, owning 25% or more of the Entity during the two-year period immediately preceding the date of this affidavit or the current term of the elected official, whichever is greater. Further, Entity, Affiant, and/or Entity Owners have not made any contributions to or in support of current or former members of the Jefferson Parish Council or the Jefferson Parish President through or in the name of another person or legal entity, either directly or indirectly.

Choice B there are **NO** campaign contributions made which would require disclosure under Choice A of this section.

Debt Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A _____ Attached hereto is a list of all debts owed by the affiant to any elected or appointed official of the Parish of Jefferson, and any and all debts owed by any elected or appointed official of the Parish to the Affiant.

Choice B X There are **NO** debts which would require disclosure under Choice A of this section.

Affiant further said:

That Affiant has employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project or in securing the public contract were in the regular course of their duties for Affiant; and

[The remainder of this page is intentionally left blank.]

That no part of the contract price received by Affiant was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project were in the regular course of their duties for Affiant.

David B. Campbell

Signature of Affiant

DAVID B. Campbell

Printed Name of Affiant

SWORN AND SUBSCRIBED TO BEFORE ME
ON THE 21ST DAY OF MARCH, 2018.

Pravino Mosca

Notary Public

Pravino Mosca

Printed Name of Notary

8473 / 12235

Notary/Bar Roll Number

My commission expires life.

CAMPAIGN CONTRIBUTIONS
NEW ERA INFORMATION TECHNOLOGIES, LLC
January 2016 – March 2018

DATE	NAME	AMOUNT
01/11/2016	Mike Yenni	1,000.00
02/12/2016	Mike Yenni	1,000.00
02/15/2016	Chris Roberts	500.00
02/24/2016	Mark Spears	1,000.00
03/08/2016	Mike Yenni	500.00
03/28/2016	Ben Zahn	500.00
05/10/2016	Ben Zahn	750.00
05/10/2016	Chris Roberts	1,000.00
06/02/2016	Ben Zahn	500.00
08/04/2016	Ricky Templet	500.00
09/07/2016	Chris Roberts	500.00
10/27/2016	Mark Spears	1,000.00
12/06/2017	Ben Zahn	750.00
01/12/2017	Ben Zahn	1,000.00
01/22/2017	Paul Johnston	400.00
01/24/2017	Jennifer VanVrancken	1,000.00
02/07/2017	Mike Yenni	2,500.00
03/07/2017	Chris Roberts	500.00
05/01/2017	Ricky Templet	500.00
05/03/2017	Mike Yenni	500.00
06/13/2017	Jennifer VanVrancken	500.00
07/18/2017	Paul Johnston	500.00
08/09/2017	Chris Roberts	750.00
08/14/2017	Ricky Templet	500.00
08/16/2017	Jack Rizzuto	500.00
09/12/2017	Ricky Templet	500.00
11/16/2017	Dominick Impasto	2,500.00
11/21/2017	Ben Zahn	500.00
12/15/2017	Ben Zahn	750.00
12/18/2017	Chris Roberts	600.00
12/29/2017	Mike Yenni	500.00
01/23/2018	Cynthia Lee-Sheng	2,500.00
01/24/2018	Ben Zahn	250.00
03/19/2018	Paul Johnston	1,000.00



JEFFERSON PARISH

Department of Purchasing

Michael S. Yenni
Parish President

Renny Simno
Director

CHANGES TO JEFFERSON PARISH BIDDING PROCEDURES

The East bank Office of Purchasing is now open! We are located in the Joseph S. Yenni Building, 1221 Elmwood Park Blvd., Suite 404, Jefferson, LA 70123. Bidders may submit bid responses at this location, pending authorization in each bid package. **Bidders should carefully read and must respond accordingly per the requirements of the bid packages. NOTE: Bidders submitting bids on the day of bid opening, bidders must submit at the West Bank location only.**

Other Changes Continued:

- For all advertised sealed bids, written evidence of signature authority must be included with bid submission.
- Current W9 Forms and vendor applications may be submitted at any time; however, if your company is not registered and/or a current W-9 form is not on file, a current W-9 form must be supplied upon contract execution, should you be awarded a contract and/or issued a purchase order.
- Upon contract execution, successful bidder must produce final insurance certificates per standard Jefferson Parish insurance requirements. Proof of insurance is required for bidding purposes. Bidders must read the insurance requirements attachment included in each bid package for specific instructions.

Bidders should reference the “Additional Requirements” section of the bid instructions and/or the “Important Notice to Bidders” included in the bid package for specific requirements to respond accordingly.

For more information, please call Jefferson Parish Purchasing at 504-364-2678.