



جَعْلَتْهُمْ مُّنْكَرًا لِّلْعَالَمِينَ

(IUL)196-C/1/2026/23 : سرگزاري

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# Information Sheet

## LOT 1 – Speaker with Carrying Bag

Quantity: 2

Feature	Minimum Specification	✓
<b>System Type:</b>	All-in-one battery-powered linear column PA system with a secondary high-frequency spacer and column element.	
<b>Transducer Configuration:</b>	Must feature an 8-inch (203mm) ferrite woofer in the base and a linear array of eight 2-inch (50mm) high-frequency drivers	
<b>Acoustics:</b>	C-shaped array configuration to provide a minimum 140° (H) x 30° (V) dispersion pattern.	
<b>Frequency Response:</b>	Must achieve a range of 37 Hz – 20 kHz (-10 dB) or better	
<b>Output Power:</b>	Minimum 400W RMS / 1500W Peak Class D amplification.	
<b>Battery System:</b>	Must utilize an easily swappable battery integrated into the column spacers.	
<b>Runtime:</b>	Battery must support up to 6 hours of operation at maximum volume.	
<b>Connectivity Power:</b>	Must include two (2) onboard USB ports (one 2A and one 1A) for charging external mobile devices or powering wireless microphone receivers.	
<b>Mixer:</b>	Integrated 5-channel digital mixer with individual gain, 3-band EQ, and effects sends per channel.	
<b>I/O Ports:</b>	3 x XLR/TRS Combo Jacks. 1 x 1/4" Hi-Z Instrument Input. 1 x 1/8" / Bluetooth Summed Input.	
<b>Digital Processing:</b>	Must feature industry-standard Automatic Feedback Suppression (AFS) and "Ducking" capabilities (priority-based audio ducking for announcements).	
<b>Control:</b>	Support for remote mixing via tablet/smartphone app over Bluetooth 5.0, capable of controlling at least 10 units simultaneously	
<b>Transport Solution:</b>	Must include a custom-fitted, wheeled transporter bag.	
<b>Bag Features:</b>	Padded exterior, heavy-duty zippers, and a dedicated storage compartment specifically designed for the column spacers and base unit to be transported together as a single mobile package	
<b>Warranty</b>	1 Year	

# Information Sheet

## LOT 2 – Dual Wireless Microphone System

Quantity: 2

Feature	Minimum Specification	✓
Type	2 Handheld	
Transmission Frequency:	Must utilize 2.4 GHz digital frequency hopping technology.	
Operating Range:	Minimum stable operating range of 30 meters (100 feet).	
Latency:	Low-latency performance with a maximum delay of <12ms.	
Pairing:	Must feature automatic pairing between the transmitters and the receiver upon power-up without manual frequency scanning.	
Connector Type:	Must feature an integrated 1/4" (6.35mm) TS plug for direct insertion into audio equipment (no external cables required for the receiver).	
Battery Life (Receiver):	Built-in rechargeable battery providing up to 12 hours of continuous operation.	
Charging:	Must support charging via USB-C while the unit is in operation.	
Quantity:	Must be a dual-microphone system (two handheld transmitters) communicating with a single receiver.	
Battery Type:	Handheld units must be powered by standard replaceable AA batteries (minimum 20 hours of runtime).	
Pattern:	Cardioid polar pattern to minimize background noise and feedback in conference settings.	
Build:	Ergonomic design with an integrated power/mute slide switch.	
Frequency Response:	50 Hz – 15 kHz or wider.	
Signal-to-Noise Ratio:	>59 dBA	
Total Harmonic Distortion (THD)	<1.0% at 1 kHz.	
Warranty	1 Year	

## LOT 3 – 4 Wireless Microphone System

Quantity: 2

Feature	Minimum Specification	✓
Type	2 Handheld and 2 Head worn Microphone	
Operating Frequency:	Must operate in the UHF (Ultra High Frequency) band (specifically between 500 MHz – 590 MHz).	
Channel Count:	System must support four (4) concurrent wireless channels controlled by a single receiver unit.	
Frequency Type:	Must utilize Fixed Frequency design or Selectable Frequency with dedicated pre-set groups to ensure zero interference between the four internal channels.	
Stability:	Frequency stability must be $\pm 0.005\%$ or better using PLL (Phase-Locked Loop) synthesized technology.	
Chassis:	Must be a rugged metal 19-inch rack-mountable receiver or desktop.	
Display:	Front panel must feature four (4) independent LCD displays (one per channel) showing RF signal strength, AF audio levels, and operating frequency.	
Audio Outputs:	<p>Must provide high flexibility for different mixer setups:</p> <ul style="list-style-type: none"> <li>Four (4) individual balanced XLR outputs (one for each mic).</li> <li>One (1) mixed 1/4" (6.35mm) unbalanced TS output (combining all 4 mics into a single signal for small-scale PA systems).</li> </ul>	
Antennas:	Must utilize four (4) high-gain detachable antennas located on the rear panel for diversity-style reception.	
Handheld Transmitters (2 units):	<ul style="list-style-type: none"> <li>Must feature high-quality dynamic cardioid capsules to minimize feedback.</li> </ul> <p>Must be constructed of heavy-duty metal for durability in public environments</p>	
Bodypack Transmitters (2 units):	<ul style="list-style-type: none"> <li>Must include head worn (headset) microphones and lapel (lavalier) microphones as standard accessories.</li> </ul> <p>Must feature a secure 3-pin mini-XLR (TA3F) connection or equivalent to prevent accidental cable detachment.</p>	
Power:	All transmitters must be powered by standard AA batteries providing a minimum of 8 hours of continuous operation.	
Operating Range:	Reliable line-of-sight range of at least 60 meters (200 feet).	
Audio Dynamic Range:	>100 dB.	
Total Harmonic Distortion (THD):	<0.5%.	
Warranty	1 Year	

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2 . دَوْلَةُ بَرْبَرِيَّةٍ حَتَّى تَمَكَّنَتْ مُنْتَهِيَّةُ بَرْبَرِيَّةٍ مُنْتَهِيَّةُ بَرْبَرِيَّةٍ

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