



Municipality of Phoenixe

## TECHNICAL SPECIFICATIONS

Based on the technical project prepared from the engineers of Finiq Municipality has been prepared the technical specifications for the following systems:

### A. Professional Audio System

6 (six)	Linearray speaker system	Frequency Range (-10 dB): 70 Hz -20 kHz Frequency Response ( $\pm 3$ dB): 87 Hz - 19 kHz Coverage Pattern: 100° x 15° nominal (horizontal x vertical), single unit Crossover Modes: Bi-amp / passive, externally switchable Crossover Frequency: 2.0 kHz Power Rating1: 400 W / 800 W / 1600 W (Continuous / Program / Peak): Bi-amp LF: 400 W / 800 W / 1600 W Bi-amp HF: 130 W / 60 W / 120 W System Maximum SPL2: 122 dB SPL peak (passive mode) LF: 122 dB (bi-amp mode) HF: 128 dB (bi-amp mode) System Sensitivity (1w @ 1m): 90 dB SPL (passive mode)
2 (two)	High power suspendable subwoofer system	System Type: 15" bass reflex subwoofer Frequency Range (-10 dB): 35 Hz - 250 Hz Frequency Response ( $\pm 3$ dB): 40 Hz - 250 Hz Recommended Hi-Pass Filter: High-pass: Butterworth 24 dB/oct, 45 Hz Low-pass: Linkwitz-Riley 48 dB/oct, 80 - 120 Hz Power Rating1: 800 W / 1600 W / 3200 W (Continuous / Program / Peak) Maximum Peak SPL2: 126 dB SPL Sensitivity (1w @ 1m): 91 dB SPL LF Driver: 1 x JBL 2265G-1, 380 mm (15 in) Differential Drive® woofer Nominal Impedance: 4 Ohms

2 (two)	Hardware for suspending speakers and subwoofers	Hardware for suspending VRX915S and/or VRX928LA enclosures
2 (two)	Power Amplifier Two-channel, 1200W @ 4Ω	Sensitivity (for full rated power at 4Ω) : 1.4V Rated Power Output (per Channel at 4Ω) : 2100W Stereo Signal to Noise Ratio (below rated 1kHz power at 8Ω) : 103 dB (A Weighted) Total Harmonic Distortion : <0.5% Damping Factor : 20 Hz to 1kHz >500 Frequency Response (at 1W, 20 Hz to 20 kHz) : +0 dB, -1 dB Crosstalk (below rated power) 20 Hz to 1kHz : >70 dB Input Impedance : 20kΩ balanced, 10kΩ unbalanced
1 (one)	Power Amplifier Two-channel, 2100W @ 4Ω	Sensitivity (for full rated power at 4Ω) : 1.4V Rated Power Output (per Channel at 4Ω) : 1200W Stereo Signal to Noise Ratio (below rated 1kHz power at 8Ω) : 100 dB (A Weighted) Total Harmonic Distortion : <0.5% Damping Factor : 20 Hz to 1kHz >500 Frequency Response (at 1W, 20 Hz to 20 kHz) : +0 dB, -1 dB Crosstalk (below rated power) 20 Hz to 1kHz : >70 dB Input Impedance : 20kΩ balanced, 10kΩ unbalanced
1 (one)	Digital Mixing Console	32 recallable GB mic inputs with locking connectors and phantom power indicators 16 XLR analogue line outputs 8 XLR/1/4" Combi-jacks for line inputs and instruments AES Out Word Clock HiQnet Ethernet port for HiQnet system integration and ViSi Remote System32x32 ViSi Connect expansion slot (see back page) 8 LED Input Meter 48v Phantom power switch Polarity reverse switch Input Gain/Trim Adjustment Variable High Pass Filter HPF engage switch 32-in/32-out low latency recording interface Compatible with PC and MAC DAW software

		<p>Ableton Live Lite 9 software download included • 24 Motorised input faders + LR/Mono (Fully motorised With 4 fully customisable fader Layers)  Multi-Colour LCD Channel Displays on each input  fader for instant visual feedback and naming  8 VCA groups  8 mute groups for muting groups of channels as one  Snapshot control – 1000 cues can be stored and recalled from dedicated cue control buttons  USB port for saving/loading shows and snapshots  with USB memory sticks  5" colour touchscreen for patching, routing, show  set-up and security settings  8 LED input and output meters (monitor L/R, master L/R, mono)  Headphone output</p>
4 (four)	Vocal Set Wireless Microphone	<p>Frequency bands: A: 530,025 – 559,000 MHz; U1: 606,100 – 613,900 MHz; U2: 614,100 – 629,900 MHz; B1: 748,100 – 751,900 MHz; B2: 774,100 – 777,900 MHz; M: 826,300 – 831,000 MHz; D: 863,100 – 864,900 MHz; K: 925,100 – 931,850 MHz  Diversity system: Antenna switching  RF output: 10, 20 or 50 mW (depending on frequency band)  Audio bandwidth: 40 – 20 000 Hz (+/- 3dB)  Tuning range: Up to 30 MHz (depending on frequency band)  Max. channels: Up to eight compatible channels within one frequency band  Frequency selection: Fixed frequencies  Modulation: FM  Radio range (Line of sight): 30 meter (with external antennas further distances achievable)</p>

4 (four)	Presenter Set Wireless Microphone	<p>Frequency bands: A: 530,025 – 559,000 MHz; U1: 606,100 – 613,900 MHz; U2: 614,100 – 629,900 MHz; B1: 748,100 – 751,900 MHz; B2: 774,100 – 777,900 MHz; M: 826,300 – 831,000 MHz; D: 863,100 – 864,900 MHz; K: 925,100 – 931,850 MHz</p> <p>Diversity system: Antenna switching</p> <p>RF output: 10, 20 or 50 mW (depending on frequency band)</p> <p>Audio bandwidth: 40 – 20 000 Hz (+/- 3dB)</p> <p>Tuning range: Up to 30 MHz (depending on frequency band)</p> <p>Max. channels: Up to eight compatible channels within one frequency band</p> <p>Frequency selection: Fixed frequencies</p> <p>Modulation: FM</p> <p>Radio range (Line of sight): 30 meter (with external antennas further distances achievable)</p>
4 (four)	Handheld Microphone with Cable	<p>Polar Patterns: Super cardioid</p> <p>Frequency Range: 70 to 20,000 Hz</p> <p>High Pass Filter: 80 Hz, always active</p> <p>Sensitivity: 2.6 mV/Pa (-52 dBV)</p> <p>Max. SPL for 1%/3% THD: 147/156 dB SPL</p> <p>Equivalent Noise Level: 18 dB-A</p> <p>Signal/noise ratio (A-weighted): 76 dB</p> <p>Impedance/load Impedance: ≤600 ohms, 2000 ohms</p> <p>Humbucking Coil: Integrated on Capsule</p> <p>Connector: 3-pin XLR</p>
4 (four)	Microphone Stand	<p>Weight (kg): 1.8</p> <p>Colour: Black</p> <p>min. height (cm): 95</p> <p>max. height (cm): 148</p>
2 (two)	19 inch Professional Equipment Rack	<p>Rack Dimensions: 447 x 427 x 540 mm (LxWxH)</p> <p>Outside Dimensions : 566 x 462 x 594 mm (LxWxH)</p> <p>Weight 18 kg</p>
1 (one)	Approximate other accessories, like DMX cables, power Conn connectors	

2 (two)	Self-Powered Speaker	Max SPL Output : 127 dB Freq. Range (-10 dB) : 39 Hz - 20 kHz Freq. Response ( $\pm 3$ dB) : 50 Hz - 20 kHz Coverage Pattern : 90° x 60° Amplifier Design : Class D Power Rating : 1000W Peak (700W LF + 300W HF), 500W Continuous (350W LF + 150W HF)
3 (three)	Speaker stands	Weight (kg) : 4.35 Colour : black Top section : round 35mm Min. height (cm) : 123 Max. height (cm) : 205
1(one)	Insulation and Acoustics materials	

## **B. Professional Lighting System**

6 (six)	LED Theatre Spot	Power input AC 100 - 240V, 50/60Hz Power consumption W 250 Colour black Fixation optional standard clamp IP rating indoor Standalone fixed Lamp LED Min. colour temperature (K) 3200 Max. colour temperature (K) 3200 Colours : Warm white Functions : Motorized zoom Min. beam angle (°) : 10 Max. beam angle (°) : 50 Min. refresh rate : (kHz) 3.6 Max. refresh rate : (kHz) 3.6 Input : 3 pin XLR, 5 pin XLR, power on Output : 3 pin XLR, 5 pin XLR, power on
35 (thirty five)	SAFETY CABLE	Weight (kg): 0.15 Colour: Aluminium Max. load (kg): 75 Tube Ø : 51 mm

4 (four)	Moving Led Robot	Power input AC : 100 - 240V, 50/60Hz Power consumption : W 80 Colour : Black Display : LCD Fixation included omega bracket IP rating : Indoor Maximum DMX channels : 14 Lux 5200 lux @ 5m Lumen : 490 Lamp : LED Min. colour temperature (K) - Max. colour temperature (K) - Zoom : Manual Prism ( # facets + rotating y/n ) - Frost filter Min. beam angle (°) 4 Max. beam angle (°) 45 Input 3 pin XLR, 5 pin XLR, power on, rdm Output 3 pin XLR, 5 pin XLR, power on
4 (four)	Booster for DMX signal	Power input : AC 230V, 50Hz Colour : Black Display : LED Fixation : 19" rack mountable Input : 3-Pin XLR, 5-Pin XLR Output : 3-Pin XLR, 5-Pin XLR XLR 3 pin XLR 5 pin

4 Four)	Powerful indoor LED projector RGB	<p>Power input AC 100 - 240V, 50/60Hz  Power consumption W 240  Colour : black  Display : LCD  Fixation optional standard clamp  IP rating indoor  Standalone automatic, sound  Maximum DMX channels 16  Lamp COB  Min. colour temperature (K) 3200  Max. colour temperature (K) 5600  Colours Red, Green, Blue, other  Mix colours  Min. beam angle (°) 60  Max. beam angle (°) 60  Min. refresh rate (kHz) 1.2  Max. refresh rate (kHz) 1.2  Input 3 pin XLR, 5 pin XLR, power on  Output : 3 pin XLR, 5 pin XLR, power on</p>
1 (one)	DMX intelligent lighting controller	<p>24-control slides present board with memory  2x12-control slides fader banks or 1x24 control slides fader bank  Flash on every control slide  Up to 4600 steps, 48 programmable sets  Fade out  Live or offline building and scene modifications  Adjustable sequences speed and rise time  Every step is saved in the built-in memory  Mix several sets Music detection via the built-in microphone or an external source  Manually launch sets via the Tap Sync key  MIDI scenes and sets launching  DMX 512 output via 3-pin XLR3 cable  External power supply (9 V - 12 V, 500 mA, DC)  Supplied with an amovable black protective casing  Supplied with 1 external power supply</p>
2 (two)	ProfessionalProjector MIN 4000 lumens	<p>Laser Projector with at least 4000 lumens, Resolution 1920 x 1200.Aspect Ratio 4:3,16:9,16:10. Inputs:2x HDMI, 1x VGA, 1x DVI-D,1xHDTBaseT. Outputs: 1 x VGA. Comply with protocol RS232</p>

1	Projector screen	Projector screen at least 5.00m x 3.00m
2	Approximate other accessories, DMX cables, powerconn,connector	

### **C. Theatre Chairs and Scene**

210 (two hundred ten)	Conference/Theatre Chairs	Chairs to be conference / theatre chairs foldable. They should have combination of wood, plastic and quality clothing. Main structure of chair to be metallic.
15 (Fifteen)	Chairs Accessories	Metallic / Wooden supporting materials

1 (one)	Metallic Constructions	Scene structure to be metallic or cement alike and cover all the scene area except the entry corridors. Scene to have a height of min 30-40 cm from base floor as per architect designing and to have standards for theatres loading.
1(one)	Wooden Floor	Floor to be wooden natural and to cover all of the scene area and hand painted
1(one)	Electrics Installations	Automats, electrics cables, power supplies, electric board, rack of European standards



## D. Conditioning

4 (four)	Internal unit	internal unit with 60000 Btu/h
2 (two)	Internal unit	wall inverter with 18000 Btu/h,
1 (one)	Internal unit	wall inverter with 24000 Btu/h,
1 (one)	Gas pipes	Tubes (pipes) of conditioning to be of copper minimum 13 mm width
2 (Two)	Gas pipes,exhausting	Exhausting must be in pipes of PP32
1(one)	Air unit for internal installations	Air channels to be P3 and anti-corrosion from internal installations

### **IMPORTANT NOTE: CERTIFICATE of ORIGIN.**

**For every abovementioned supply, it is obligatory to have the certificate of origin that demonstrated the production or the assembly of supply in European Countries or in a country or territory of the regions covered and/or authorised by the specific instruments applicable to the programme.**