

# Huntsville Algonquin Theatre

## AUDIO INVENTORY

Updated Nov 2021

<b>FRONT OF HOUSE</b>		
<b>Console / Headamps / Processing</b>		
<b>FOH Audio Console</b>	1	Yamaha CL5
<p><b>Note:</b> Audio booth located aprox 50' from stage, under short balcony, slightly stage right of centre.            Booth area: 8' across x 6' deep            Console table area: 73" across x 30" deep. Dropdown hatch at the rear of table for cable access.</p> <p>Network system design is Redundant Star with Primary and Secondary lines connecting the FOH CL5, Monitor CL5, Rio I/O boxes, wireless LAN (iPad StageMix) and PC (Audinate Dante Controller) via CAT6A lines and network switches.</p> <p>On Stage - 48 inputs / 24 outputs Rio stage boxes plus 8in/8out local on CL5            At FOH - 16 -inputs / 16 outputs (console + FOH Rio stage boxes)</p>		
<b>Back-up Power Supply</b> (FOH Console)	1	Yamaha PW800W Power Supply for CL5
<b>I/O Racks and Networking</b>	1	Yamaha Rio RI8-D (8 inputs - at FOH)
<p>At FOH - 8 inputs / 8 outputs) Rio stage boxes plus 8in/8out local on CL5</p> <p>On Stage - 48 inputs / 24 outputs Rio stage boxes plus 8in/8out local on CL5</p>	1	Yamaha Rio RO8-D (8 outputs- at FOH)
	1	Yamaha Rio 3224 (32 in/24 outputs - on stage left)
	1	Yamaha Rio RI8-D (8 inputs - on stage left)
	2	Wireless LAN Routers ( 1 at FOH CL5, 1 at Monitor CL5)
	4	Cisco SG300-10 Network Switches (Primary and Secondary Switches for FOH and Monitor World)
	2	Cat6 lines run from FOH Audio Booth to Stage Left Monitor World position. (Primary and Secondary lines).

<b>FOH Source and Processing Rack</b>	1	Yamaha SPX2000 (2 channels (L/R) of effects)
	1	American Audio MCD510 CD / MP3 Dual Bay Player w/pitch control
	1	Denon DVD Player DN-V310
	2	Sony Blu-Ray BDP-S280 players
	1	Roland V-60HD Video Switcher

<b>FRONT OF HOUSE</b>
<b>Loudspeaker System / DSP / Amplifiers</b>

<b>Digital Signal Processor / Cross-Over</b>	1	Symetrix SymNet RADIUS 12x8 EX DSP
	1	Symetrix SymNet xOut12
<b>Speaker System - Orchestra Level</b>	2	<b>JBL AM7315/64</b> High Power 3-Way Loudspeaker (bi-amped) Main L+R Orchestra Level
	2	<b>JBL AM4212/64</b> 2-Way Loudspeaker System with 1 x 12" LF L+R Centre fills (Clustered with mains)
	2	<b>JBL ASB 6128</b> Ultra Long Excursion High Power Dual 18" Subwoofer Main Orchestra LR
<b>Speaker System - Balcony Level</b>	2	<b>JBL AM6315/64</b> - Main L+R Balcony Level High Power 3-Way Loudspeaker (bi-amped)
	1	<b>JBL AM4212/64</b> - Balcony Centre Speaker 2-Way Loudspeaker System with 1 x 12" LF
<b>Power Amplifiers - Front of House</b>	1	<b>Lab Gruppen IPD 2400 , 2ch</b> (Balcony Centre Speaker)
	1	<b>Labgruppen FP10000Q, 4ch</b> (Orchestra Level Bi-amped JBL AM7315)
	1	<b>Labgruppen FP10000Q, 4ch</b> (Balcony Level Bi-amped JBL AM6315)

	1	<b>Labgruppen FP10000Q, 4ch</b> (LR Centre Fills & LR Subs)
<b>MONITOR RIG</b> <b>CONSOLE AND AUDIO PROCESSING</b>		
<b>Monitor Audio Console</b>	1	<b>Yamaha CL5</b>
<p><b>NOTE:</b>  Monitor rig located Stage Left.  Both Network lines and snake patch bay located stage left  60A panel with 'stove plug' and four (4) 15A dual uground outlets located at monitor position. All isolated grounds.  On Stage - 48 inputs / 24 outputs Rio stage boxes plus 8in/8out local on CL5.  At FOH - 16 -inputs / 16 outputs (console + FOH Rio stage boxes).</p>		
<b>Back-up Power Supply</b> (Monitor Console)	1	Yamaha PW800W Power Supply for CL5
<b>Stage Monitors</b>	8	<b>Turbosound TXD-12M</b> Passive two-way wedge monitor, 12" reflex-loaded low frequency driver, 1" high frequency compression driver, 40°H x 70°V dispersion HF horn, internal third order passive crossover.
	2	<b>JBL MS28</b> Passive two-way full range loudspeaker, 2 x 8" LF transducers, 1" exit titanium diaphragm compression driver.
	1	<b>Turbosound Sub TXD-115</b> Front-loaded low frequency loudspeaker enclosure Reflex-loaded 15" low frequency driver.
	2	<b>Turbosound Milan M15 - Powered Speaker</b> 1100w 2-Way 15" <ul style="list-style-type: none"> <li>• Klark Teknik DSP, Class-D amplifier</li> <li>• High excursion 15" low frequency driver</li> <li>• 1" dome compression driver</li> <li>• Switchable 100 Hz high pass filter for subwoofer</li> </ul>
<b>Power Amplifiers - Monitor Rack</b> (Stage Left Monitor Rig)	4	Lab Gruppen IPD 2400
	1	QSC PLXII 3602

<b>Power Amplifiers - Monitor Rack in Control Room</b> (To Procinium Wall Outputs )	3	Crown CTs 1200
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<b>MICROPHONES - WIRED</b>		
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<b>Shure</b>	6	Shure SM57
	7	Shure SM58
	4	Shure Beta 58
	2	Shure SM81
	2	Shure PG56 w/drum clips
	1	Shure Beta 52
	1	Shure Beta 91
	1	Shure SM27
	2	Shure MX202BP/C hanging microphones
	<b>Sennheiser</b>	1
4		Sennheiser e904
2		Sennheiser e906
3		Sennheiser e914
1		Sennheiser MD 421-II
<b>Apex</b>	1	Apex125 large diaphragm dynamic microphone
	3	Apex126 dynamic microphones w/drum clips
	3	Apex 190 stubby flat-frequency response cardioid condenser
	2	Apex 435 wide diaphragm condenser
<b>Crown</b>	3	Crown PCC 160
	1	Crown PZM 30

<b>MICROPHONES - Wireless</b> <b>(Handheld / Lavalier / Trasmitters &amp; Receivers)</b>		
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<b>Handheld Vocal Microphones - Wireless</b>	6	<b>Sennheiser e945 Handheld, SKM100 G4 (500MHz)</b> Dynamic super-cardioid / narrow pick-up pattern
	5	<b>Sennheiser e935 Handheld, SKM100 G2 (700MHz)</b> Evolution Dynamic cardioid vocal microphone
<b>Headset Microphones</b>	6	<b>Apex575 Condenser Headset</b> Omnidirectional polar pattern. Head and neck-worn. Connectors for Shure, Line 6, AKG, Sennheiser and Audio-Technica.

	2	<b>DPA 4066</b> Omnidirectional Headband (headset) - beige
<b>Lavaliers</b>	8	<b>Sennheiser ME2</b> Omni directional Lavalier - black
	6	<b>Sennheiser MKE 2-ew Gold</b> Omni directional-beige
<b>Body Packs</b>	4	<b>Sennheiser SK100 G4</b> wireless body pack transmitters (500MHz Range)
	8	<b>Sennheiser SK100 G3</b> wireless body pack transmitters (500MHz Range)
	6	<b>Sennheiser SK100 G2</b> wireless body pack transmitters (700MHz Range)
<b>Wireless - Receivers</b>	4	<b>Sennheiser EM 100 G4</b> True Diversity Receivers (500MHz Range) - On Antenna Paddles
	8	<b>Sennheiser EM100 G3</b> True Diversity Receivers (500MHz range) - On Antenna Paddles
	6	<b>Sennheiser EM100 G2</b> True Diversity Receivers (700MHz range) - Using Stock Antennas
<b>Antenna and Splitters</b>	3	ASA1 Active Antenna Splitters
	4	A1031-U Passive Omni-directional Antennas
<b>DI BOXES</b>		
<b>DI Boxes</b>	6 3 1 1 1 1 1 1 1 1	Rapco db 101 sl - passive Rapco db-1 DI - passive Radial ProDI - passive Radial Pro48 - active Radial Pro AV2 Stereo multi-media DI - passive Radial JPC Stereo PC DI - active Behringer Ultra DI120, 2-Channel - active Behringer DI100 - active Apex stereo DI - active

## MIC STANDS / CABLES / STAGE SNAKES

<b>Microphones Stands / Accessories</b>	9 9 2 2 6	K&M tall w/boom - black microphone stands K&M short w/boom - black microphone stands Apex tall w/boom - black microphone stands Apex short w/boom - black microphone stands K&M tall w/round base, no boom - black microphone stands
<b>Power Cables</b>	3 5 Asstd	25' AC Quad Boxes 50' AC Quad Boxes Single power cables
<b>XLR and patch cables</b>	Asstd Asstd	25'-50' XLR cables 1/4" to 1/4" Patch cables
<b>Stage Snakes</b>	1 1 1 1	8 Channel XLR Snake Cable w/Box - 50ft 12 Channel XLR Snake Cable w/Box - 50ft 16 Channel XLR Snake Cable w/Box - 50ft 20 Channel XLR Male to XLR Female Snake Cable

## COMMUNICATIONS

### Intercom / Paging / Hearing Assist

<b>Paging System</b>	1	Peavey UMA1502 Amplifier/Mixer Paging is executed from two positions at the Control Room AV rack and in the House Manager's Office  Paging speakers are located on the first, second and third floor lobbies, the stage storage area and the multiple use rooms on the first floor. A feed of program sound is provided into the paging system. Paging volume is controlled at the Peavey amplifier in the Control Room AV rack.
<b>Intercom</b>	1 6 4 Notes:	Clear-Com two-channel main station A/B Clear-Com wall stations (dressing rooms, kitchen, office) Clear-Com belt packs and headsets  Clear-com stations located at Stage Left and Right, Audio Booth and Lighting Booth. Lighting Booth has speaker system with mixer to hear Clear-Com and Stage.
<b>Hearing Assist</b>	1	FM Listen LT800B-072

## MISCELLANEOUS

<b>Instruments / Backline</b>	1	7ft Seiler Grand Piano with bench.
<b>Stands / Accessories</b>	5 12 10	Guitar stands Music stands Music stand lights
<b>Stage Risers</b>	6 2 44 44	4' x 8' Stage riser platforms 4' x4' Stage riser platforms 12" Legs 18" Legs

## RECORDING

<b>(Recording Options from Yamaha CL5)</b>	1	64 Ch. recording with Nuendo Live / IMB Computer (Note - External Hard drive will have to be provided for recordings)
	1	2 Ch. Recording Direct from CL5 to USB stick
	1	Yamaha CDR-HD 1500 - HDD/CD, 2 ch. CD Recorder

## RESERVE AUDIO GEAR

<b>Auxiliary Processing</b>	3 2 1 1 1	dbx 2331 Dual EQ dbx 1066 Dual Comp/Limiter dbx 1074 Quad Gate dbx AFS224 Feedback Suppresor Yamaha REV100
<b>Digital Console</b>	1	Yamaha M7CL48 with 3 Dante-MY16-AUD cards
<b>Analog Monitor Console</b>	1	Soundcraft Spirit 2, 40 channel / 12aux