

Mountain Arts Center
50 Hal Rogers Drive
Prestonsburg, Kentucky 41653

TECHNICAL INFORMATION

The Mountain Arts Center is a publicly owned performing arts facility located just off Kentucky Route 114 in Prestonsburg, Kentucky. The center contains a total of 43,000 square feet and paved parking area to accommodate 405 vehicles.

A. BUILDING SPACES

1. **Grand Lobby:** Large open lobby at the front of the building with direct access to interior box office, food concession area, public restrooms, gift and craft shop, and administrative offices.
2. **Theater:** Seating capacity of 1,052; comfortable cushioned seats; 477 seats in lower seating area; 575 seats in upper seating area. Handicap accessible.
3. **Backstage:** Total of four dressing rooms: two of which have private restroom facilities; two additional restrooms are available to performers. Direct access to stage without entering public areas of facility.
4. **Recording Studio:** 24-channel digital recording studio with control room and large studio is located in the right wing of the building.
5. **Rental / Practice Rooms:** Two large rooms located in the left wing of the building used for rentals to the public, as well as for rehearsal space.
6. **Administrative Offices:** Reception area, five individual offices, and small conference room in the left wing of the building.

NOTE: *All areas of the building except the catwalks are handicap accessible.*

B. STAGE DESCRIPTION

Proscenium Opening: 54' Wide X 22' High; 26' from downstage lip to main curtain; 33' from main curtain to upstage cyc curtain.

See attached stage schematic

C. THEATER LIGHTING SYSTEM

1. Controls: ETC Insight 2x Control System
2. (212) stage dimmers
3. (2) catwalks
4. (2) box booms
5. (4) wall booms
6. (4) electric battens

Note: See attached listings & specifications for instruments and control systems

D. SOUND SYSTEM

See separate sound system description

E. HOUSE INTERCOM SYSTEM

Type: Clear-Com with 2-tech and 2 house channels available.

F. HEARING IMPAIRED SYSTEM

Type: Sennheiser Infra-red with 20 headset receivers.

G. RIGGING SYSTEM

See separate rigging system description

H. COMPANY SWITCHES

(1) 400 Amp Company Switch

(2) 200 Amp Company Switch

I. LOADING DOCK

The facility's loading dock is located at the left rear of the building and is 18" higher than street level. Access to backstage is through two 10' roll-up doors. Distance from dock to the stage is approximately 30'.

J. CENTER CONTACTS

Technical Director: **Mickey Bentley** (606) 889-9125, Ext. 21

Recording Studio: **Keith Caudill** (606) 889-9125, Ext. 11

Lighting Director: **David Gardner** (606) 889-9125

SOUND SYSTEM DESCRIPTION

40 Channel BSS Active Splitter

Already hard-wired in place, from 40 stage inputs to F.O.H.; to recording studio; and monitor stage mix.

Mains Console

Yamaha M2000 40x8x2x1 console with:

- 8 sub groups
- Master L & R & Mono Main output
- 4 Matrix out
- 40 Mic input channels
- 2 stereo input channels
- 4-band EQ/ sweepable Hi-Mid (400Hz-8Hz) & Lo-mid (80Hz-1.6Hz) frequencies
- 6 Aux sends
- 26db input pad each channel
- 128 scene memory

FOH Aux Rack

- 1ea. Clear-Com RM-440 intercom module
- 4ea. DBX 166A dual compressor/limiters
- 1ea. Yamaha SPX 990 EFX unit
- 1ea. Yamaha PRO 990 EFX unit
- 2ea. DBX 3231L dual 31 band graphic eq.
- 1ea. 4ch Drawmer gate
- 1ea. Tascam 122MKII cassette deck
- 1ea. Tascam CD-401 CD player
- 2ea. 48 point patch bay
- 1ea. Local tie bay (for patching outboard gear)

Control Room Rack

- 3ea. ADC patch bay (mic routing)
- 1ea. Clear-Com R220 intercom module
- 1ea. Sennheiser Infra-red Hearing impaired assistance system
- 1ea. DBX 160XT compressor/limiters
- 2ea. Tannoy CPA5 control room monitors
- 1ea. Crown D-75 monitor Amp

Mains Power & Speakers

X-Over BSS Soundweb Processors 9008 &9088LL

4- (2L & 2R) flown Clair Bros. R3T's tri amped with:

- 2 – Crown MA3600 (lo's)
- 2 – Crown MA3600 (mid's)
- 2- Crown MA3600 (high's)

Center Cluster -Clair Bros. "CAT" System bi-amped with:

- 2- Crown MA2400 (lo's)
- 2- Crown MA600 (high's)

Subs – 4 Clair Bros. CS-18's powered by

- 1- Crown MA5000

Delays – 4 Clair Bros. RC-80's powered by

- 2- Crown Ma2400 full range

* Also, there is an EAW JF-60 Lip speaker system installed in the downstage lip of the stage to cover the first few rows of seats. It is also powered by Crown amps.

Fixed Monitor System (Controlled By FOH Console)

- 4ea. JBL SR 4706 Full Range Speaker Wedges

Powered by:

- 2ea. Crown MA-1200 power amps

* There are only four mon. cabinets in this configuration.

On Stage Monitor Mixing System * optional system (w/ additional charge for rentals)

- 10- stage mixes- biamped
- 10- Clair Bros. "wedge A" floor monitors
- 4- SR4704 JBL 15'' and 2'' Horn
- 2- JBL AS 2225 2-15'' and 2'' Horn side fills
- 11- Crown Macro 24x6 (10 mix and 1 cue)
- 1- Crown MA 600 (SF-Lo)
- 1- Crown MA 5000VZ (SF-Lo)
- 1- 40 channel snake from split panel to console
- 5- DBX 3231L Graphic EQ's

Yamaha MC 3210 Console

Wired Mics-

- 1- Shure Beta 56
- 1- Shure Beta 52
- 4- Shure Beta 58
- 6- Shure SM 58
- 8- Shure SM 57
- 4- Sennheiser 421
- 4- Sennheiser 540
- 4- Beyer 201
- 3- AKG 460
- 4- Crown PCC 160
- 12- Countryman Type 85 Active Direct Boxes
- 2- Sony ECM44B Lavalier Mics

- 1- CT C-ducer Tape Stereo Contact Pickup
- 20- Atlas MS12C Chrome Stands
- 16- Atlas MS-7 Short Chrome Stands
- 12- AKG KM201A/2 Black Tripod Stands
- 16- AKG KM211/1 Black Boom Arms

Wireless Mics-

- Shure SC VHF Wireless Mic System
- 12- SC4 Receivers
- 4- SC2 Handheld Transmitters
- 12- SC1 Body Pack Transmitters
- 4- Countryman Isomax Headset Mics
- 8- Countryman EMW Lavalier Mics
- 12- Instrument Adaptor Cables

RECORDING STUDIO

The Mountain Arts Center is equipped with its own in-house 24 track recording studio. The studio is based around a Yamaha 02R digital recording console and three Alesis A-dat recorders. Recordings can be originated directly from the center's stage, the chorus and band rooms, as well as the large studio.

There are 40 direct lines and 8 control room tie lines that connect the stage directly to a TT patchbay in the studio control room. Microphone lines have been strategically placed throughout the theater, allowing for greater flexibility in the placement of the house, audience, and ambient mics. The band and chorus rooms have six direct lines each, also connected to the TT patchbay.

STUDIO EQUIPMENT:

- 1- Yamaha 02R digital recording console
- 3- Alesis A-dat recorders
- 1- BRC remote control unit
- 1- Panasonic SV4100 DAT recorder
- 1- Tascam 122 MKII CD player
- 1- Tascam CD 401 MKII CD player
- 2- Westlake Audio BBSM10 Studio Monitors
- 2- Yamaha NS-10m near field monitors
- 1- Crown Macro Tech 600 Power amplifier
- 1- Bryston Power Amplifier
- 1- Bryston 4B-ST power amplifiers
- 1- Rane GC6 headphone amplifier
- 1- Yamaha Pro R3 digital reverb
- 1- Lexicon 300 Digital Effects Processor
- 1- Aphex 250 Aural Exciter
- 2- DBX 166A Compressor/ Limiters
- 2- Drawmer DS404 Quad Gates
- Assorted headphones and microphones

Theater Lighting Control System Specifications

TYPE SYSTEM Electronic Theater Controls (ETC) INSIGHT 2X Controller

SYSTEM CAPACITY:

1,536 DMX512 Dimmers
324 Control Channels
600 Cues
250 Groups Effects with up to 100 steps each
2,000 Macros/Regions
108 Overlapping submasters
10 Pages of submaster memory
2 Timed / Manual Fader Pairs

DISPLAY FUNCTIONS

Stage
Blind
Fader
 A/B Fader
 C/D Fader
 Both Faders
Tracking Sheet
Patch
 By Channel
 By Dimmer
 By Dimmer Label
Park
Setup
Expand
Flexichannel (displays only used by channel)

PLAYBACK CONTROLS

Faders
 2 Times/ Manual Fader Pairs with
 Go Button
 Hold Button
 Rate Button
 Clear Button
 Back Button

 Rate Wheel
 Level Wheel
 Grandmaster Slider
 Blackout Button

Submasters:

- 108 Submasters with
 - Bump Button
 - Integral Buttons
- Overlapping Inhibitive or Pile-On Submasters
- Bank Loading of Cues or Groups
- Programmable Up/ Dwell/ Down Fade Times

SENSOR DIMMER MODULES

- Dual 2.4K (20A) Module
 - Standard (350ms)
 - Enhanced Rise Time (500ms)
 - Advanced Features (500ms)
 - Circuit Breaker (constant or branch)

LIGHTING INSTRUMENTS

QUANTITY	TYPE	WATTAGE(LAMP)
8	ETC Source Four 5	575w HPL
8	ETC Source Four 10	575w HPL
16	ETC Source Four 19	575w HPL
24	ETC Source Four 26	575w HPL
24	ETC Source Four 36	575w HPL
12	Strand #3380 6'' Fresnel	750w HPL
24	Strand #12181 8'' Fresnel	1,500w CWZ
6	Altman 3-section Sky CYC	1,000 w FFT
80	Altman PAR 65	1,000w MFL
20	Altman PAR 64	1,000w NSP
4	Altman #160 Focus Scoop	750w EGG
6	High End System Intellabeam	700w MSR
2	Lycian 1275 Superstar	1,200w UMI-HB
2	High End F100 Fog Machines	

**Note: All fixtures have color frames and clamps.
All source fours have pattern slots.

LIGHTING INSTRUMENT ACCESSORIES

QUANTITY	TYPE
24	8'' Fresnel 8-way Barndoors
12	6'' Fresnel 8-way Barndoors
4	48''h x 24''w 3-section hanging ladders
6	50lb. boom bases(for 1 ½ '' pipe)
4	25lb. boom bases (for 1'' pipe)
8	12' 1 1/2 '' cast iron boom mast
8	8' 1 1/2 '' cast iron boom mast
10	ETC Pattern Holders
30	24'' single "T" Sidearms
12	24'' Double "T" Sidearms
48	36'' Stage Pin Two-fers
30	5' 12/3 SO Stage Pin Cables
20	10' 12/3 SO Stage Pin Cables
15	15' 12/3 SO Stage Pin Cables
15	25' 12/3 SO Stage Pin Cables
10	50' 12/3 SO Stage Pin Cables
2	100' 12/3 SO Stage Pin Cables
12	25' 12/3 SO Edison Ext.Cables
12	50' 12/3 SO Edison Ext.Cables
4	75' 12/3 SO Edison Ext.Cables
8	100' 12/3 SO Edison Ext.Cables
10	18'' Cable on Edison Quad Boxes Dblgang