

Theater Specifications and Inventory

TAPS Black Box

Theater Land Line: 203-432-1140

| General Info | Notes |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <u>Performance Space:</u> | <ul style="list-style-type: none"> • Black Box theater with adjustable seating and staging. • Overall space: approximately 37'x56' • Fixed grid at 15'-10". • Space includes 4'-6"x35' balcony suitable for performers. (not audience) • Two separate staircases to access balcony • MDF floor not suitable for dance (portable dance floor available). |
| <u>Booth</u> | <ul style="list-style-type: none"> • Open booth • Spiral and standard staircase access. • Light board, digital sound mixer, show computer, lighting storage, and various storage cabinets and bins. |
| <u>Seating</u> | <ul style="list-style-type: none"> • Flexible seating with various arrangement depending on staging. • 100 total seats available. • ADA accessible. • All seats must be properly linked into rows prior to each performance. • Seating arrangement must be approved by the Yale Fire Code Compliance office before audience occupancy. |
| <u>House and Work Lights</u> | <ul style="list-style-type: none"> • Work lights operated from a wall switch to the left of the control booth. • House light operated from switch in control booth. <p><u>House lights:</u></p> <ul style="list-style-type: none"> • 20 cylindrical canisters in four banks of five. <p><u>Work lights:</u></p> <ul style="list-style-type: none"> • Overhead fluorescent lights in four banks spanning the width of the space. <p><u>Run lights:</u></p> <ul style="list-style-type: none"> • Available and stored in control booth. |
| <u>Dressing Rooms</u> | <ul style="list-style-type: none"> • Two large dressing rooms. • Toilet and sink in one dressing room. • Two Z-frame rolling costume racks. |

Lighting Equipment

System Overview

ETC Ion XE 20 2K, 2048 outputs, with 20 onboard faders. 48 theatrical circuits with 6 constant power cards attached to ColorSource Relays. Viewsonic 22" Touch Screen monitor.

Lighting Inventory

| Lights | Total | Notes |
|-----------------------------|-------|--------------------------------------------------------|
| ETC S4 Pars | 10 | With full lens set: WFL, MFL, NSP, VNSP |
| ETC S4 ERS | 41 | (5)19's, (5)26's, (29)36's, (39)50's, (2)70's |
| ETC D40 Lustr+ LED Pars | 9 | Diffusion: Med & Wide Round AND Oval complete sets |
| ETC "ERS" LEDS2 | 6 | Series 2 LED with Lustr array |
| ETC "ERS" LEDS3 | 9 | Series 3 LED Lustr X8 (with XDLT 50 degree lens tubes) |
| Altman LED Spectra Cyc 100 | 4 | |
| Chroma Q Color Force II LED | 5 | 72" strips. Includes Boarder and Cyc diffusion |
| Martin Mac Aura | 2 | Moving LED wash light |
| ETC High End SolaFrame 750 | 2 | SolaFrame Theater; Professional Moving Light |
| 48" Barrina T5 LED | 8 | Black Light Fixture |
| LED Strobe | 2 | American DJ "Big Shot" |
| ETC Source Four body | 1 | Spotlight mount |
| JCYM Flody | 4 | Miniature LED Moving Head Light |
| Chauvet DJ Abyss 2 LED | 2 | 5-color water effect light |
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| Accessories | Qty. | Notes |
|---------------------------|---------|------------------------------------------|
| 7.5" gel frames | 26 | |
| 6.25" gel frames | 66 | |
| Barn Doors | 8 | Par sized |
| Concentric Rings | 9 | Par sized |
| Half Hats | 6 | Par sized |
| Half Hats | 12 | ERS sized |
| Side arms | 8 | Safer Side Arms/ +(8) standard side arms |
| Beam Bender | 1 | For ERS |
| Image Multiplexers | 3 | For ERS |
| Irises | 4 | For ERS |
| Donuts | 12 | For ERS |
| Pattern Holders | 22 | (14) size A (8) size B |
| Boom Bases | 6 | |
| Booms | Various | Various lengths. (2) Grid Height |
| Rosco RevPro Gobo Rotator | 1 | Dual Programable |
| Floor Base Plates | 4 | 10" diameter, 6lb, 1/2" mounting bolt |
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| Cable/Control | Qty. | 3' | 5' | 10' | 15' | 25' | 50' | Notes |
|-------------------------------|--------------------------|----|----|-----|-----|-----|-----|----------------|
| Stage Pin | Various in noted lengths | | X | X | X | X | | |
| Two-fers | 11 | | | | | | | |
| Three-fers | 5 | | | | | | | |
| FEDs | 12 | | | | | | | |
| MEDs | 2 | | | | | | | |
| Powercon cable | Various in noted lengths | | X | X | X | X | | |
| Powercon couplers | 6 | | | | | | | |
| Powercon to stagepin | 11@ 5' | | | | | | | |
| Powercon to Edison | 4@ 5' | | | | | | | |
| True 1 cable | Various in noted lengths | | X | X | X | | | |
| True 1 to Stagepin | 9 | | | | | | | |
| True 1 to Edison | 1 | | | | | | | |
| DMX cable | Various in noted lengths | X | X | X | X | X | X | 1- 100' length |
| DMX terminator | 2 | | | | | | | |
| Edison-16G (black) | 10 | | | | | | | |
| Edison-14G (black) | 4 | | | | | | | |
| Edison- 12G (black) | 5 | | | | | | | |
| Edison- 12G (orange) | 7 | | | | | | | |
| HDMI cable | Various in noted lengths | | X | X | X | X | X | |
| Cat5/6 cable | Various in noted lengths | X | X | X | X | X | X | |
| Powerstrips (various lengths) | 15 | | | | | | | |
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Sound Equipment

System Overview

Yamaha 01V 96i digital mixing console. For productions with a significant live music component, a Yamaha CL3 console is available. **Show Computer:** Mac Studio (2022). Software: QLab 5.2.3 (w Pro Audio, Video, and Lighting licenses), MainStage, Logic, Isadora, Adobe Creative Cloud, Final Cut Pro. Computer has a Samsung Flat Panel monitor.

Sound Inventory

| Front-of-House | Qty. | Notes |
|------------------------------------------------------------------|------|-----------------------------------------------------------------------------------------------------------------------|
| Mac Studio (2022) M1 10C CPU, 32C GPU, 32GB RAM, 1TB SSD Storage | 1 | QLab 5.2.3 (w/Pro Audio, Video, and Lighting license), Mainstage, Logic, Isadora, Adobe Creative Cloud, Final Cut Pro |
| Yamaha 01V96i | 1 | 40 input/20 bus digital mixing console w/USB 2.0 |
| Yamaha CL3 | 1 | 64-channel digital mixing console w/16 DCAs |
| Yamaha 16x8 Rio-D2 | 2 | Dante digital I/O stage box |
| Yamaha SWR2100P-5G | 2 | 5-port L2 Network Switch, with PoE |
| Yamaha MG 06 | 1 | 6-input compact stereo mixer |
| Presonus Studio 24c | 1 | 24-bit 192 kHz 2x2 USB-C compatible digital audio interface |
| Apple Airport Extreme | 1 | Wireless router and network switch |
| Netgear GS108 | 1 | 8 port Gigabit ethernet unmanaged switch |

| Audio Monitoring | Qty. | Notes |
|-----------------------------------------------------|------|------------------------------------------------------------|
| Aviom 16/o-Y1 Aviom Output Card for Yamaha Consoles | 1 | |
| Aviom A-16D Pro A-Net Distributor | 1 | |
| Aviom A-16 II Personal Mixers | 8 | w/stand mounts |
| Samson QH4 4 Channel Headphone Amplifier | 2 | |
| Sennheiser EW IEM G4-TWIN | 1 | wireless in-ear monitoring system (A1 band) |
| Galaxy Audio PA6BT | 6 | powered hot spot 170W 6.5" personal monitor speaker w/yoke |
| Sennheiser Professional HD 280 PRO | 1 | over-ear monitoring headphones |

| Speakers, Amps, Processors | Qty | Notes |
|----------------------------|-----|-----------------------------------|
| QSC K12 (w/yoke) | 5 | 12" 75° 1000 W active loudspeaker |
| QSC K8.2 (w/yoke) | 1 | 8" 105° 2000 W active loudspeaker |
| QSC KW181 | 1 | 18" 1000 W active subwoofer |

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|------------------------------|---|--------------------------------------------------------|
| Apogee SSM | 6 | Dual 4.5" 150 W passive loudspeaker |
| Avantone MixCube | 2 | 5.25 " active studio reference monitor |
| JBL Sub | 1 | 15" passive subwoofer |
| QSC GX5 | 1 | 700 W 2-channel power amp |
| QSC CX-1102 | 2 | 2 -channel direct output power amp (700W/channel @ 8Ω) |
| QSC CX-902 | 1 | 2 -channel direct output power amp (550W/channel @ 8Ω) |
| Behringer Super-X Pro CX2310 | 1 | Multi-channel crossover w subwoofer output |
| Furman PL-PLUS | 1 | 15 amp power conditioner w pull-out lights |

| Wireless Mic Systems and Elements | Qty. | Notes |
|------------------------------------------|------|--------------------------------------------------------------------------------------|
| Sennheiser XSW 2-ME2-A | 12 | wireless bodypack transmitter/receiver ("A" band) |
| Sennheiser XSW 1-825-A | 4 | wireless transmitter/receiver (3 handheld mics, 1 headset mic, "A" band) |
| Sennheiser ME 2-II | 12 | lavalier mic element, black |
| Countryman B3 | 8 | lavalier mic element, various colors. |
| Point Source CO-8WD | 6 | waterproof omni headset microphone, black |
| Alvoxcon | 1 | UHF wireless headset lavalier mic system |
| Sennheiser EW-D ASA Antenna Splitter Kit | 4 | active antenna splitter with power supply for RF microphone systems |
| Sennheiser ADP UHF Directional Antenna | 2 | directional antenna for wireless audio systems (470-1075MHz) |
| Sennheiser USBB25 BB25 | 2 | coaxial cable - 25' |
| Shure WA570A | 14 | belt pouch for wireless transmitters |
| wireless mic rigging kit | 1 | hellermann tool, sleeves, ear loops, floral wire, elastic, toupee clips, tape, wipes |

| Wired Mics | Qty. | Notes |
|----------------------------|------|-------------------------------------------------------|
| DPA 4099 w universal mount | 2 | small-diaphragm supercardioid condenser mic |
| DPA 4099 w violin mount | 2 | small-diaphragm supercardioid condenser mic |
| DPA 4099 w cello mount | 1 | small-diaphragm supercardioid condenser mic |
| DPA 4099 w bass mount | 1 | small-diaphragm supercardioid condenser mic |
| Neumann KM 184 | 2 | small-diaphragm cardioid condenser mic (matched pair) |

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|------------------------|---|-------------------------------------------------------|
| AKG C214 | 2 | large-diaphragm cardioid condenser mic (matched pair) |
| Sennheiser MD 421-II | 3 | cardioid dynamic mic |
| Sennheiser e 604 | 3 | cardioid dynamic mic |
| Shure SM58 | 2 | cardioid dynamic mic |
| Shure Beta 52A | 1 | supercardioid dynamic mic |
| AKG Pro Audio C747 V11 | 1 | shotgun condenser microphone |
| Audio-Technica AT875R | 2 | line/gradient shotgun condenser microphone |
| RODE VideoMic | 3 | camera-mount shotgun mic |
| Shure CVO-B/C | 2 | overhead cardioid condenser microphone w 25' cable |

| Stands | Qty. | Notes |
|-------------------|------|-------------------------------------|
| Gator | 3 | Tall Boom Mic Stand (new) |
| Gator | 3 | Short Boom Mic Stand (new) |
| K&M | 6 | straight mic stand, stackable (new) |
| DR Pro | 2 | Boom Mic Stands |
| On Stage | 1 | Mini Mic Stand |
| Pro Line | 2 | Straight Mic Stand |
| K & M | 1 | Boom Mic Stand(old) |
| Tama Stage Master | 2 | Boom Mic Stand |
| Musician's Gear | 1 | Boom Mic Stand |

| Sound Cables, Adapters, Accessories | Qty. | Notes |
|-------------------------------------|------|----------------------------------------------------------------|
| Seismic Audio SAEM-16x4x100 | 1 | 100' 16x4 heavy duty snake w stage box |
| Hosa STX-803F | 2 | 10' 8-channel XLR F to ¼" TRS M snake |
| Hosa XLR-802 | 1 | 6' 8-channel XLR F to XLR M snake |
| Mogami Gold | 1 | 5' 8-channel XLR F to XLR M snake |
| Pro Co C270201 | 2 | 100' shielded Cat 5e cable w ethercon connectors |
| Sound Tools SuperCAT | 2 | 7.6M flexible jacket CAT5e etherCON to etherCON cable (black) |
| Sound Tools SuperCAT | 3 | 7.6M flexible jacket CAT5e etherCON to etherCON cable (purple) |
| 3.5mm TRS-RCA | 1 | 10' |
| 3-pin XLR (5'-20') | 33 | XLR to XLR |
| 3-pin XLR (25'and longer) | 16 | XLR to XLR |
| Short lengths | 12 | XLR to ¼" |
| Short lengths | 3 | ¼" to ¼" |
| Speaker cable- 25'-100' | 8 | ¼" to ¼" |
| Speakon to Speakon | 2 | 25' |
| Speakon to Speakon | 1 | 50' |

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|---------------------|---|------------|
| Live Wire Solutions | 2 | Direct Box |
| Behringer | 1 | Direct Box |
| Pro Audio Solutions | 2 | Direct Box |

| Music equipment | Qty. | Notes |
|---------------------------|------|-----------------------------------------------------------------------------------------|
| Casio PX850 | 1 | 88-key touch sensitive scaled hammer-action digital piano w built-in speakers and stand |
| Yamaha P45BK | 1 | 88-key digital piano w built-in speakers and folding stand |
| M-Audio Keystation 88 MK3 | 1 | 88-key keyboard controller w folding stand |
| Yamaha Acoustic Piano | 1 | stored in dressing room |

Camera Equipment

System Overview

The TAPS Black Box has a variety of cameras and monitors that can be used for numerous situations including backstage monitors, audience monitors, and music director monitors, live feed, as well as use on stage for theatrical purposes.

| Cameras and Accessories | Qty. | Notes |
|------------------------------|------|--------------------------------------------|
| PTZOPTICS | 2 | 1920 x 1080p/60.7 Degree FOV PTZ Camera |
| PTZOPTICS | 1 | IP & SERIAL PTZ Camera Joystick Controller |
| Panasonic | 1 | WV-CP634 Analog Camera |
| Dericam S1-N HD 960P | 1 | WiFi security camera |
| PTZ 960 analog with joystick | 1 | |
| Panasonic HC V800 | 6 | HD Video Camera |
| EE Koto Tripod | 6 | Video Tripod System |
| Manfrotto Tripod | 1 | Camera Tripod |
| BNC cable-50' | 1 | For use with PTZ camera |
| BNC to RCA cable-50' | 1 | For use with Panasonic camera |
| Mac Mini (2017) | 1 | host computer for live streaming |
| ATEM Mini | 2 | Live Video Production Switcher |

| Monitors (non LX or sound) | Qty. | Notes |
|----------------------------|------|-----------------------------------------------|
| ZNC 15" CCTV,TFT,LCD | 1 | Connects to PTZ camera |
| Vizio D32hn-DO | 1 | 32' TV/Monitor with mount |
| TCL Smart LED TV | 2 | 55" all with mounts |
| Dell 27" | 1 | Monitor with (2) HDMI inputs |
| HP 25" | 1 | Nvidia G-Sync Monitor with HDMI and DP inputs |

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|----------|---|--------------------------------------------|
| Dell 24" | 1 | With Soundbar. DVID, VGA, HDMI, USB inputs |
|----------|---|--------------------------------------------|

Projection Equipment

System Overview

The TAPS Black Box is a flexible space that can incorporate projections in a variety of configurations. Projectors have mounts installed and there is a variety of hanging hardware available for mounting projectors from the grid or other designated locations.

| Projectors/Lens | Qty. | Notes |
|------------------------|-------------|------------------------------------------------|
| Panasonic | 3 | PT-EZ770ZU Projector with standard 1.70:1 lens |
| Panasonic | 3 | ET-ELW20 short zoom lens 1.3-1.7-1 |
| Panasonic | 3 | ETYFB100G Digital interface |
| Panasonic | 1 | ET-LAE300 Replacement lamp |
| Epson EMP-835 | 1 | Projector without mount |
| Sony VPL- FHZ85 | 1 | 7300 Laser Projector (8000 lumens) |
| | | |

| Projector Accessories | Qty. | Notes |
|------------------------------|-------------|--------------------------|
| VGA cable | 3 | 50' length |
| VGA cable | 1 | 25' length |
| VGA cable | 2 | 10' length |
| DVI | 2 | 5' length |
| Apple | 4 | VGA to mini display port |
| Elgato | 1 | Video capture |
| X-Box | 1 | Kinect |
| City Theatrical | 2 | Projector Dowsers |
| | | |

Seating

Seating Overview

The TAPS Black Box is a flexible space that can incorporate countless seating configurations that include proper aisle width and two exits. The Black Box has 3 exits available. The seating parts below assemble to create various seating banks as well as additional seating on the floor.

| Seating Parts | Qty. | Notes |
|---------------------------|------|--------------------------------------|
| 3'x8' platforms | 18 | Black or Blue side (fits on frames) |
| 3'x6' platforms | 12 | Black or Blue side (only as bridges) |
| Z-Frames 24"-32" | 6 | |
| Z-Frames 16" | 6 | |
| M-Frames 32"-48" | 8 | |
| Stair Units | 6 | Single tread |
| Stair Units | 2 | Double tread with hand railing |
| Railing- 3' side railing | 12 | |
| Railing- 8' back railing | 7 | |
| Railing- 6' back railing | 2 | |
| Railing- 8' front railing | 3 | |
| Railing- 6' front railing | 1 | |
| Railing- 4' front railing | 4 | |
| Railing- 2' front railing | 4 | |
| | | |
| | | |

| Seating Accessories | Qty. | Notes |
|---------------------|------|--------------------------------------------|
| Chairs | 100 | Padded and interlocking |
| Aisle Lighting | 25 | Battery powered LED's (flexible placement) |
| House Lighting | 20 | Overhead. 4 banks of 5 |
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Soft Goods

Soft goods are stored in a cabinet inside of the storage room just outside of the main door to the theater. Soft goods are available for grid height, balcony height, and under balcony height.

| Soft goods Inventory | Quantity | Notes |
|-----------------------------------|----------|------------------------------|
| Leg- 16'-0" H x 10'-0" W | 6 | IFR Black Velour-no fullness |
| Border- 3'-0" H x 32'-0" W | 2 | IFR Black Velour-no fullness |
| Cyclorama | 1 | IFR White synthetic muslin |
| Scrim | 1 | FR Black sharkstooth scrim |
| Upper Balcony 10'-6" H x 10'-0" W | 4 | IFR Black Velour-no fullness |
| Under Balcony 9'-0" H x 15'-0" W | 4 | IFR Black Velour-no fullness |
| Black Commando cloth and Duvetyne | Various | Several large pieces |
| | | |

Other Equipment

| PPE | Qty. | Notes |
|------------|-------------|----------------------------------------------|
| Hard Hats | 25 | Worn during work calls. (10 extra available) |

| Tables | Qty. | Notes |
|-----------------------------------|-------------|--------------|
| Plastic folding rectangular table | 1 | 6' |
| Plastic folding rectangular table | 3 | 4' |
| Plastic folding square table | 1 | 3' x3' |
| Heavy Duty folding table | 1 | 8' |

| Intercom | Qty. | Notes |
|----------------------------|-------------|-----------------------------------------------------|
| HME DX 100 Wireless system | 1 | 4 headsets with AC 40 battery charger (new in 2023) |

| Other Lighting | Qty. | Notes |
|-----------------------|-------------|---------------------------------------|
| Neon Flex | Various | Includes power source and controllers |
| LED Tape | Various | Includes power source and controllers |
| Newer LED Ring Light | 5 | 16" Color changing ring light |
| Newer LED Ring Light | 3 | 10" Color changing ring light |