Wrap

Kunsthuset Wrap, Møllendalsveien 46A, 5009 Bergen, Norge
wrap@hdu.no • tel: (+47) 55 59 17 30 • fax: (+47) 55 59 17 31 • www.wrap.hdu.no

Technical equipment list
sound, lighting, video & streaming

☆Sound Equipment and Backline

Main mixer (dLive system):
Allen & Heath C2500 (control surface)
Allen & Heath CDM48 (stage rack with 48 out / 24 in)
2 x Allen & Heath DX168 (portable audio rack I/O with 16 in / 8 out)
1 x IP8 Remote controller (8 assignable faders, buttons and LCD's).
1 x IP1 Remote Controller (1 assignable knob with LCD and button)

dLive expansion cards:
Waves Sound Grid V3. 128x128 96kHz over network (Ethernet).
A & H AES3 card with 4 in / 6 out (output digitally straight to amp).

Alternative mixers:
• Soundcraft GB2 (analog mixer with 16 mon. inputs, 2 st. inputs, 4 grps & 6x2 matrix).
• Soundcraft Notepad 8FX (Very simple analog mixer with 2 XLR inputs, several line inputs, built-in reverb & effects).
• RCF F 12XR (12 channel analog mixer with USB interface and built-in effects including reverb and compressors).

AV Lab - Studio B PA
Main FOH speakers / mounts
Full Range - Adamson Point 15 (x2)
Subs - Adamson 215 (x2)
Pole mounts - 2 x hydraulic mounts between subs / full-range.
Tripods - 4 x hydraulic tripods for speaker mounting (alternative set-up).

Amplification
Lab Gruppen D120 (4 channel amp with Lake DSP)

Large Project Room PA
Main FOH speakers
Full range - Meyer Sound UPA-1C (point source)
Subs - Meyer Sound USW-1

Amplification & processors
Full-range cabinets are powered by Lab Gruppen amplifiers via proprietary Meyer Sound processors (M-1A). Horn - Lab 1300C, Woofer - Lab 1600.
Subs are powered by a Lab Gruppen ip 2100 via a proprietary Meyer Sound processor (B-2AEX)

White Room PA
Main FOH speakers
Full range - Turbosound TXD-151 (15" point source)
Subs - Turbosound TL-1550

Amplification
QSC CXD4.3Q 4000W (4 channel amplifier with built-in processing)

Monitors (can be pole mounted and used as quad / *surround* system)
Renkus Heinz CF121M-2 (active wedge-style monitors with variable coverage angle).

Microphones
Condenser
   3 X DPA 2011A
   3 X Shure 98AMP (for drums)
   2 X AKG C 414 XLS (stereo pair)
   2 X Røde NT5 (stereo pair)
   1 X Røde NTG2 (shotgun)
   1 X Langavin CR3A (excellent vocal mic)
   1 X AKG C 451 B
   1 X AKG C 3000 B
   1 X AKG C 1000 S
   1 X Sennheiser K6 (with ME 65 capsule)
Dynamic
   3 X Sure Beta57
   3 X Sure SM58
   3 X Sure SM57
   1 X Sure Beta52
   + Miscellaneous

☆Backline
Drums
   Yamaha Stage Custom (Cranberry Red. 5 piece)
   Kick = 20"
   Snare = 14" Steel/chrome

Yamaha Stage Custom (Honey Amber. 5 piece)
Kick = 22"
Snare = 14" Birch (ply)

Guitar amplifiers
Fender '65 Twin Reverb
Marshal JVM410H
Vox AC151TV (Vintage wired, 50th anniversary edition)
Vox AC30C2
Trace Elliot Super Tramp (grimy sounding old combo valve/transistor)

Guitar speaker cabinet
Marshal 1960AV (4X12)

Bass Amplifiers
Ampeg BA2010
Trace Elliot Gp11 Mk V (4X10 combo)

DI boxes
3 x mono (LA Audio)
1 x stereo (LA Audio)

Bluetooth Speakers
If all you want is a little setup with bluetooth - we have a small stereo system with bluetooth on a trolley (two main speakers + sub).

Miscellaneous Audio Equipment
For information about stands, adaptors, stools, cymbals, effects pedals / processors, cables etc. Please contact Wrap.

☆Lighting Equipment (stage)

4 X Snow Par (LED pars with RGB colour control).
6 X 650W fresnels (Strand Acclaim).
4 X 4-channel portable dimmer (with 3 & 5 pin DMX, plus manual faders).
1 X 6 channel dimmer (Bright DDD 6 x 16amp).
Grand MA2 Command Wing (with grandMA2 on PC. Lighting console)
Grand MA2 Fader Wing (to expand the above Command Wing)
See also "Lighting Equipment (video)" below!

☆Video & Streaming

Cameras
• **Panasonic Lumix GH5** with following:
Leica DG Vario-Summilux 10-25mm f/1.7 ASPH (extremely high quality and light sensitive).
Leica 12-60 f/2.8 - 4.
Metabones T Speed Booster XL 0.64x for fullformat Canon EF-lenses.

Dummy battery (Panasonic) for continual use with fixed power supply.
5x extra battery with 2x chargers.
XLR accessory with 2 inputs and +48V phantom.
Smallrig cage with handle and some basic bits for mics/monitor.
- **2 x Sony A6400**
  With Sigma 16mm f/1.4 lens: Popular APS-C camera with extremely light sensitive lens (and sensor). 4K, 10 bit HD at various frame rates, clean HDMI out.
- **Panasonic Lumix GX80**
- **Sony HVR-Z7E**
  1080p, clean HDMI output, interchangeable lens (included Zeiss lens has 24x optical zoom), decent shotgun mic + 2xXLR inputs with +48V, good battery life, dummy battery, hybrid solid-state/cassette recording.

Lighting Equipment (video)
2 X studio floods with reflective barndoors (Ianiro Studio Cool, ICE 6") dimmable (manual / DMX).
3 X "Red Heads" Ianiro Lilliput (kit with stands, barndoors etc.)

Tripods/stands
1x Tripod - Manfrotto BeFree Advanced Live (video head)
1x Tripod - Manfrotto 144 Bird (photo head)
1x Monopod - Manfrotto MPMXPROA4 (aluminium)
1x Magic Arm (Manfrotto) with super clamp and camera mount.
1x Rollei Monkey Pod 2 (for camera or smartphone)

Audio/mics
Wireless lavalier set: Sennheiser XSW-D.
Røde NTG2 (shotgun).
Zoom H4N hard-disc recorder.
For complete list of studio mics, mixers and other audio equipment ask Wrap!

Video switch/mixer
ATEM Mini Pro

Converters & Cables
2x HDMI/3G-SDI converter (USB-C powered, with external adapter). Blackmagic MicroConverter.
2x 3G-SDI/HDMI converter (USB-C powered, with external adapter). Blackmagic MicroConverter.
2x Birddog Mini (HDMI to NDI/NDI to HDMI converter). 3G 1080p video over network.
1x Birddog Studio (Conversion between HDMI/SDI and NDI). 3G 1080p video over network.
1x Matrox Triple Head 2 Go
1x Thunderbolt 3 to 2x HDMI (fully assignable) Icy Box splitter
1 X 30m SDI cable (75Ω *Proflex HDTV*)
1 X 15m SDI cable
3 X 10m HDMI (High Speed) cable
5 X 0.5m HDMI (High Speed) cable

Green Screen
3m x 3m chroma green screen with solid frame including bars for lighting (limited availability).

Miscellaneous video equipment
- Wacom Intuos 4 (drawing tablet)

- Various SD video cameras for import (via Firewire) of obsolete video formats such as MiniDV & Digital8.
- DVD player.
- VHS player (we can digitise old VHS footage).

Wrap's AV also features an array of useful production/pre-production infrastructure, and Studio A is a perfect space for critical listening and music production/post-production with various professional tools. Please contact Wrap.