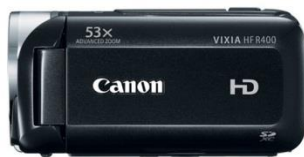# ATUS CLASSROOM SERVICES'

EQUIPMENT

GUIDEBOOK

Photography

Video

Audio Recording

Computers

Media Storage

Lighting

Projection/Display/Players

Sound Systems

Accessories/Misc.

Located: Haggard Hall 114

Open: Monday – Friday

Phone Extension: x3300

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Canon SLR20D	SLR	

Canon SLR5D Mark II	SLR5D
Canon SLR5D Mark III	SLR5D3
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Canon G16	CANG16
Sony A7 Mark I	A7
Sony A7 Mark II	A7II

Canon Vixia	HDV
Zoom Q8	ZOOMVID
Woodring Package	WOODRING
GoPro HD Hero	GOPRO
GoAmateurs	GOAM
Panasonic Pro P2	HDV 4/5
Canon XL2 3CC *(Mini DV)*	VDA 400s
Canon GL2 *(Mini DV)*	VDA 300s

Prime Lenses
Zoom Lenses
Lens Accessories

Tape Based Recording – Analog Audio	ACX,CDA, ACM
Digital Audio	
Marantz Audio Recorders	DAR 100s/200s
Zoom H2 Recorder	DAR 300s
Zoom H2next Recorder	DAR 400s
Zoom H4next Recorder	DAR 500s
Zoom H5 Recorder	ZOOM5

J1. Camera Accessories

Car Mount, Gel Kit, Reflectors
Crane, Glide Cam Stabilizer, Clipper Board, Field Monitor
Tripods, Monopods
Firestore (for DV Cameras)

J2. Transcribers

Transcribers: Standard Cassette, Microcassette, and Digital

J3. Misc. Equipment

Personal FM Listening System
Audio Interface/Converter Mixer
Audio-video extender
Wireless audio transmitter
Cell phone interface
Audio DI box
Hard drive: Dock, Interface
HDMI Converters: Component, VGA
Headphone Converter

Phantom Power Supply
Telephone handset Tap
Scan Converter UXGA to NTSC Converter
USB Digital and analog audio interface
USB Preamp
VGA Wireless Transmitter
Dazzle Video Creator
Film to Video Converter
Turntables

Welcome to ATUS

Classroom Services!

Classroom Services is here to help with your technological needs.

- We provide support for technical equipment inside classrooms.
- We also provide a wide array of equipment available for checkout. We can provide tutorials for our equipment.

Rules of Equipment Checkout

- **Academic Use** – Our equipment is free of charge to students/faculty/staff for academically related uses. Other uses & self-sustaining programs are subject to rental fees.

- **Completely fill out checkout card** – Name, W#, and other relevant information. Be sure to read & sign the back!

- **Next Day Return** – Unless otherwise specified, all checkouts are due on the following weekday.

- **Late Fees** – Late fees are assessed when equipment becomes overdue.

- **Reserving Equipment** – Reserving equipment ahead of time is recommended to ensure that you get what you need. Reserving equipment on back to back days is not allowed.

- **Extended Checkouts** – To request equipment checkout for an extended period of time, communicate with Gary Malick, Manager of ATUS Classroom Services at Gary.Malick@wwu.edu

- **Call us!** – Our phone extension is x3300. Call to ask questions, reserve equipment or to notify us of changes to your equipment checkout.

Equipment Checkout

Front

1) Just fill out top portion

Write a phone number and email that we can reach you at.

Class: class # or name of academically related event

Faculty or Department Rep: Name of professor/staff for said class/event

Dept. Phone: Phone number of associated department

Back

2) Read and sign the **back of the card!**

3) Let us know when you can return it.

Returning Equipment

When returning equipment please make sure to:

1. **Save** what you need and delete all data from the device(s).
2. **Neatly pack** cords and equipment, make sure everything is there!
3. Let us know what **date & time your equipment is due**
4. We will check to make sure all checked out equipment is present, and in the same condition as checked out, and replace the batteries.

(A) Photography

Basic Still Image Cameras

Canon 20D EOS 8.2 MP Digital SLR Camera

ATUS: **SLR3**

8.2-megapixel sensor captures 3504 by 2336 pixel JPEG or

RAW images

Includes 18-55mm (3x Optical zoom) f/3.5-5.6 autofocus lens

Store images on CompactFlash memory card (**1 GB or 2GB**)

Powered by rechargeable BP-511A 1390mAh battery pack

500-1000 pictures on one charge with normal use

Shooting Modes: Landscape, Portrait mode, Macro,

Close-up, Night portrait, Sports mode

Display Size: 1.8 inches, Weight: 1.5 pounds

Pop-up flash, USB Port, Video Out, PC Terminal

Comes with Card Reader, **Optional Remote control**

(B) Photography & Video

Advanced Photography/Video Recording

Canon EOS 5D Mark II – 21.1 MP Full Frame CMOS Digital SLR Camera

ATUS: **SLR5D1-SLR5D10**

Summary: This camera takes amazing quality photos as well as video. The 5D stands out with its huge resolution, noticeable depth of field, and industry leading excellence & build.

21.1-megapixel full-frame CMOS sensor
Wide range ISO setting 100-6400
Includes Canon EF 24-105mm f/4 L IS USM Lens
DIGIC 4 Image Processor
High-performance 3.9 fps continuous shooting

Live View Function for stills

Full HD video capture at **1920x1080** resolution (@ 30fps) for up to 4GB per clip;
Updated EOS Integrated Cleaning System
Optical zoom: 4.3 x
Maximum Aperture Range: F/4.0
Minimum focal length: 24 millimeters
Maximum focal length: 105 millimeters
Included Flash Type: None
Display Size: 3 inches
Image types: JPEG, RAW
Shooting Modes: Landscape, Portrait mode, Neutral, Faithful, Portrait, Monochrome
Weight: 1.8 pounds, Battery: LP-E6 battery
Battery Life: Normal use = 850 Shots / Live view = 200 shots / Movie mode: ~2 Hours
Manages/Monitors up to 6 Batteries

Inputs/Outputs:
AV Out USB 2.0, HDMI mini out, Mic input (For video recording), PC Terminal for Flash unit
Optional remote control
Note* Please use the USB cord in the bag to transfer data from the CF Card. **Do not remove the CF card.**

Canon EOS 5D Mark III
ATUS: **SLR5D30-39**

Summary

5D Comparison	Mark 3	Mark 2
Sensor	22.3 MP full-frame CMOS	21 MP full-frame CMOS
Processor	Digic 5+	Digic 4
ISO range	50 - 102800	50 - 25600
Maximum shooting rate	6fps	3.9fps
Viewfinder coverage	100%	98%
LCD screen	3.2" - 1,040,000 dots	3.0" - 920,000 dots
AF Sensor	61 points	9 points
CA correction	Yes	No
All-I and IPV video compression options	Yes	No
Touch-sensitive rear dial	Yes	No
Headphone socket	Yes	No
HDR shooting	Yes	No
Multiple exposure	Yes	No
Silent shutter	Yes	No
Side-by-side image comparison	Yes	No

Portable High Definition Point & Shoot

Panasonic Lumix DMC-GF2 12MP Digital Camera
ATUS: **LMX 1-4, 6**

12.1-megapixel multi-aspect Live MOS

Sensor; Micro Four Thirds format

mirrorless camera.

Bag comes with 32GB SD card, battery,

battery charger, and 14-42mm lens.

Full HD video capability at 1920x1080p

3-inch free-angle touch-screen LCD;

Optical zoom: 3 x

Maximum Aperture Range: F/3.5-5.6

Minimum focal length: 14 millimeters

Maximum focal length: 42 millimeters

Included Flash Type: Pop-up flash

Display Size: 3 inches

Image types: JPEG, RAW

Video type: AVDHD, Motion JPEG

Audio: Stereo

Weight: 1 Pound

Inputs/Outputs:

AV Out USB 2.0, HDMI mini

Hot shoe

Canon PowerShot G16 12.1MP Digital Camera
ATUS: **CANG16 1-9**

A compact, advanced 12.1 megapixel with 1/1.7" high-sensitivity CMOS sensor point-and-shoot camera with a 35mm equivalent lens. DIGIC 6 image processor to produce high quality still imagery and full HD 1080p video capability.

Bag comes equipped with a 32GB SD Card, battery, battery charger, and USB transfer cord.

Optical Zoom: 5x
Maximum ISO Sensitivity: 12800
Focal length range: 28-140mm
Maximum aperture range: f/1.8-2.8
Image types: JPED, RAW
Video types: MOV, MP4
Audio: Linear PCM (Stereo)
Included Flash Type: Pop-Up Flash
Weight: 12.56 oz
Battery Life: Normal Use = 770 Shots
            Live View = 360 shots

Inputs/Outputs:
AV Out USB 2.0, HDMI mini out, mini mic input, hot shoe

Sony Alpha a7 24.3MP Mirrorless Digital Camera
ATUS: **A7-1**

A compact, lightweight and versatile mirrorless interchangeable lens with a full-frame Exmor CMOS sensor camera. Has an E-mount body, and **Metabones adaptors are available** for checkout to use Canon EF mount lenses.

Bag comes equipped with a 32GB SD Card, 28-70mm lens, battery, battery charger, and USB transfer cord.

Full HD video capture at 1920x1080p at 24fps
ISO Sensitivity Range: 100-25600
Focal length range: 28-70mm
Maximum aperture range: f/3.5-5.6
Image types: JPED, RAW
Video types: MPEG-4, AVCHD
Audio: AAC LC, AC3 (stereo)
Included Flash Type: None
Weight: 14.67 oz
Water Resistance Level: **Not** water resistant
Battery Life: Normal Use = 340 Shots

Inputs/Outputs:
HDMI mini out, HDMI micro out, headphone output, microphone input, hot shoe.

Sony Alpha a7 Mark II 24.3MP Mirrorless Digital Camera
ATUS: **A7II-1, 2**

A compact, lightweight and versatile mirrorless interchangeable lens with a full-frame Exmor CMOS sensor camera. Has an E-mount body, and **Metabones adaptors are available** for checkout to use Canon EF mount lenses.

Equipped with a 5-axis SteadyShot INSIDE Stablization. Weather-Resistant body and built-in Wi-Fi Connectivity.

Bag comes equipped with a 32GB SD Card, 28-70mm lens, battery, battery charger, and USB transfer cord.

Full HD video capture at 1920x1080p at 24fps
ISO Sensitivity Range: 100-25600
Focal length range: 28-70mm
Maximum aperture range: f/3.5-5.6
Image types: JPED, RAW
Video types: AVCHD ver. 2, MPEG-4, XAVC S
Audio: AAC LC, Dolby Digital 2ch, Linear PCM (Stereo)
Included Flash Type: None
Weight: 1.22lbs
Water Resistance Level: **Not** water resistant
Battery Life: Normal Use = 340 Shots

Inputs/Outputs:
HDMI mini out, HDMI micro out, headphone output, microphone and speaker input, hot shoe.

(C) Video

General Video Recording
Canon Vixia (HDV) – HFS100/200, HFM400, HF M500, HF R300/400

Summary: This camcorder records in high definition and is very user friendly. Its touch screen is intuitive and it has a wide variety of video recording options. It includes many inputs/outputs that are standard with today's video recording equipment.

Card Sizes: 4 – 32Gigabyte (12 Hours recording max on 32g)
Records in: High Definition (HD) -1920 x1080 (Requires Class 4 or higher SDHC Card)
Camera Type: 3 Chip, 8.0 Megapixel Camera

Inputs/Outputs

Microphone/Headphone Jack: Yes	**Composite In/Out Port**: Yes	**Firewire**: No
S-Video: No, component instead	**USB**: Yes	**Hdmi** Out: Yes
Zoom: 10x Optical, 200 digital	**Screen:** 2.7 – 3.5 inch LCD	

Note* These camera mostly have identical functionality. The later models provide a bit more usability with more advanced touch controls. HDV 43-62 can record in MP4 without the 30 minute restriction the other Vixias have. Upload through USB and video editing software, press "export from camera".

HFS100 **HDV 1-3**

HFS200 **DNCHDV 1-5**

HFM400 **HDV 6-14**

HF M500 **HDV 21-32**

HF R300 **HDV 33-42**

HF R400 **HDV 43-62**

Zoom Q8 Field Video Recorder

ATUS: **ZOOMVID 1-21**

The Q8 has high-definition video with high-resolution audio. It has a 160 degree wide-angle lens with digital zoom.

Microphone: Detachable X/Y 120 degree microphone, but can be used with most Zoom microphone capsules. Records up to 4 channels and 24-Bit/96 kHz.

Inputs/Outputs: XLR/TRS inputs, stereo heaphone/line out jack, HDMI micro output, USB mini output
Video: 2304x1296 at 30fps
Maximum Aperture: f/2
Video format: MPEG4-AVC, WVGA
Audio Recording: AAC, WAV, Stereo
Built in Mic / Speaker: Yes
Battery Life: 2 hours per charge
Weight: 12oz

Bag equipped with: Q8, 64gb SD card, Shotgun mic attachment, USB cord

Woodring Video Recording

Canon Vixia– HF R500

ATUS: WHDV 1-20

Summary: The Woodring package comes with their own set of Vixia Video Recorders, wireless lapel microphones, and a tripod. Additional items can be added or substituted, and they can be checked out for up to **2 weeks max**.

These cameras are for students doing their practicums in the school districts.

Card Sizes: 32 GB (12 Hours recording max)
Records in: High Definition (HD) -1920 x1080
Camera Type: 3.28 megapixel with touch panel LCD

Inputs/Outputs

Microphone/Headphone Jack: Yes Yes

USB: Yes

Zoom: 57x Optical

Composite In/Out Port:

Hdmi Out: Yes

Screen: 3 inch LCD touchscreen

Canon Vixia HF R500

Zoom Q8 Field Video Recorder

ATUS: ZOOMVID 1-21
See previous page for more information/specs

The Zoom recorders have better audio than the Vixia's, so if you want to get audio of the whole classroom or more than just the speaker, these would be a good option.

Woodring Microphones

Wireless lapel microphones
Ultra High Frequency (566.25-589.75)
Transmission range up to 280m

MXL FR-500WK

Other microphones are available for other needs (table mic, handheld, wired...)

Portable Video Recording

GoPro HERO Recorders

ATUS: **GOPRO 1,2,4 (Silver)**
         HERO3 Black GOPRO 3, 5

Battery is charged via USB cable.Uses a **16 GB Micro SD Card**

Professional-grade full HD video up to 1080p
60 frames per second option in 720p and WVGA resolutions
provides smooth slow motion playback
Industry's widest angle (170º) and sharpest lens captures more of
the scene
Optional mounts for attaching camera to virtually all helmets
Inputs/Outputs: HDTV, USB, TV/Audio
Port, SD Card Slot

HERO3:
Wifi enable, 30% smaller, 25% lighter. Can
record at ultra-wide 1440p 48 fps. 12 mp
photos.

GoAm Recorders

ATUS: **GOAM 1, 2**

Battery is charged via USB cable.Uses a **16 GB Micro SD Card**

Professional-grade full HD video up to 1080p
60 frames per second option in 720p and WVGA
resolutions provides smooth slow motion playback
Records for 90 minutes max continuous use
Industry's widest angle (170º) and sharpest lens
captures more of the scene
Optional mounts for attaching camera to virtually all
helmets
Inputs/Outputs: HDTV, USB, TV/Audio Port, SD Card
Slot

Professional Video Recording

Summary: This camera is one of our more advanced pieces of equipment. Training from ATUS staff is required prior to checkout. It records in High Definition with a lot of options to modify the recording.

ATUS: **HDV 4, 5**

Full production quality, 4:2:2 1080/ 720/ SD P2HD
Hand-Held camcorder
1-Chip or 3-Chip: **3-Chip**
Card: **32 GB and 16GB P2 Card**
Standard or High Def: **High Definition**
Firewire (DV) Port: **Yes**
Microphone Input: **2 XLR mic inputs / 4 Channels**
(External Shotgun mic attached)
Composite In/Out Port: **Yes**
S-Video: **No – Component Video instead**
Headphone Jack: **Yes**
Zoom: **10X, 5X, 2x Digital Zoom (13x Optical Zoom)**
Lens: **Leica Dicomar 13x lens**

Extras:
1GB=~1Minute of HD footage
P2 Cards: 1.2Gbps transfer speed
~140 minutes of continuous recording w/ fully
charged battery
2x P2 Card Slots for Video & 1x SD Memory Card Slot
Includes three different advanced focus assist functions
6 pin Firewire with locking connection. (no power out)
Color Bars with 1kHz Tone
WaveForm Monitor and Vectorscope
20 Variable Frame Rates: 12, 15, 18, 20, 21, 22, 24,
25, 26, 27, 28, 30, 32, 34, 36, 40, 44, 48, 54, 60
Security Cable Attachment Hole
Iris/focus ring assignment switch so that focus ring can
be the iris
Time & date stamp burn-in
Most cables facing rear to reduce conflicts, Audio
connections in the same place
LCD Screen can be flipped for use with 35mm adapters
---Cameras currently come with 1 16GB card and 1
32GB card.

(w/ optional Shotgun Mic attached)

Mini DV Tape Video Recording

Canon XL2 3CCD MiniDV Camcorder

ATUS: **VDA401, 402. Accessory Bags: 401a, 402a**

1-Chip or 3-Chip: **3-Chip**
Cassette: **MiniDV Cassette Tape**
Standard or High Def: **Standard**
Firewire (DV) Port: **Yes**
Microphone Input**: 2 XLR mic inputs / 4 Channels
(External Shotgun mic attached)**
Composite In/Out Port: **Yes – 2 & 4 Channel**
S-Video: **Yes**
Headphone Jack: **Yes**
Screen Size: **NO LCD screen**
Zoom: **20x optical zoom lens**
Lens: **Professional L-Series Fluorite lens**

Extras:
Video Terminal (BNC), Shoulder rest
16:9 widescreen and 4:3 ratio – (Canon's 20x Professional L-Series Fluorite lens for the XL2 is the equivalent, in 35mm format, of a 42.3 - 846mm lens when the camera is recording in 16:9 widescreen format. When the 20x Professional L-Series Fluorite lens for the XL2 is recording video in the TV-standard 4:3 aspect ratio, it is the equivalent, in 35mm format, of a 51.8 - 1036mm lens).

Canon GL2

ATUS: **VDA 301-310**

1-Chip or 3-Chip: **3-Chip**
Cassette: **MiniDV Cassette Tape**
Standard or High Def: **Standard**

Inputs: Firewire, Microphone, Composite, S-Video, Headphone, USB, DC5V
(Small external omni-directional microphone attached)
Screen Size: **2.5-inch LCD with 270-degree rotation**
Zoom: **20x optical zoom lens (digital zoom to 100x)**
Lens: **Canon Professional L-Series (luxury) Fluorite Lens (Widescreen lens available)**
Extras:
Record for up to 65 minutes on one battery charge
Take pictures: **1.7-megapixel photo mode w/ SD Card**

(C1) Lenses

Prime Lenses

14mm – f/2.8L II USM Lens

ATUS: **14mm1-2**

EF Mount L-Series Lens

Aperture Range: F/2.8-22
Manual Focus Override
Minimum Focus Distance: 7.9"
Angle of View: 114*
Image Stabilization: No
Magnification: 0.15x
Autofocus: Yes
Weight: 1.42lbs

This lens is best used for wide angle shots (Large scenic views), which will create a slight fisheye effect.

24mm – f/1.4L USM Lens

ATUS: **24mm1-2**

EF Mount L-Series Lens

Aperture Range: F/1.4-22
Manual Focus Override
Minimum Focus Distance: 3.0"
Angle of View: 84*
Image Stabilization: No
Magnification: 0.17x
Autofocus: Yes
Weight: 22.93oz

35mm – f/1.4L USM Lens
ATUS: **35mm1-2**

EF Mount L-Series Lens

Aperture Range: F/1.4-22
Manual Focus Override
Minimum Focus Distance: 1.0'
Angle of View: 63*
Image Stabilization: No
Magnification: 0.18x
Autofocus: Yes
Weight: 20.46 oz

50mm – f/1.2L USM Lens
ATUS: **50mm1-3**

EF Mount L-Series Lens

Aperture Range: F/1.2-16
Manual Focus Override
Minimum Focus Distance: 1.5'
Angle of View: 46*
Image Stabilization: No
Magnification: 0.15x
Autofocus: Yes
Weight: 1.30lbs

85mm – f/1.2L II USM Lens
ATUS: **85mm1**

EF Mount L-Series Lens

Aperture Range: F/1.2-16
Manual Focus Override
Minimum Focus Distance: 3.12'
Angle of View: 28* 30'
Image Stabilization: No
Magnification: 0.11x
Autofocus: Yes
Weight: 36.16oz

100mm – f/2.8 Macro USM Lens
ATUS: **85mm1**

EF Mount Lens

Aperture Range: F/2.8-32

Manual Focus Override

Minimum Focus Distance: 1'

Angle of View: 24*

Image Stabilization: No

Magnification: 1x

Autofocus: Yes

Weight: 1.28lbs

Telephoto Lenses

17-40mm – f/4L USM Lens
ATUS: **17-40mm1-2**

EF Mount L-Series Lens

Aperture Range: f/4-22

Manual Focus Override

Minimum Focus Distance: 11.02"

Angle of View: 104* - 57*30'

Image Stabilization: No

Magnification: 0.24x

Autofocus: Yes

Weight: 1.05lbs

70-200mm – f/4L USM Lens
ATUS: **70-200mm 1-2**

EF Mount L-Series Lens

Aperture Range: f/4-32
Manual Focus Override
Minimum Focus Distance: 3.9'
Angle of View: 34* - 12*
Image Stabilization: No
Magnification: 0.21x
Autofocus: Yes
Tripod Collar: Yes, removable
Weight: 1.55lbs

70-300mm – f/4-5.6 USM Lens
ATUS: **Canlens 1-2**

EF Mount Lens

Aperture Range: f/4-45
Minimum Focus Distance: 4.92'
Angle of View: 34* - 8*15'
Image Stabilization: Yes
Magnification: 0.26x
Autofocus: Yes
Weight: 1.39lbs

Metabones Adapter – EF – E mount T
ATUS: **Metabones 1-2**

Allows Sony E-Mount Cameras to use Canon EF or EF-S Mount
Lenses.

Weight: 5.3oz

(D) Audio Recording

Tape Based Recording – Analog Audio

Misc. Analog Recorders

MARANTZ PMD201 Portable Cassette Recorder
ATUS: ACX 3, ACB 103-106

- Easy to use, high performance portable cassette recorders.
- Small & lightweight
- Can be operated with AC, rechargeable NiCad battery packs, automotive electrical systems, or alkaline batteries
- 2 heads
- Built-in speaker & microphone
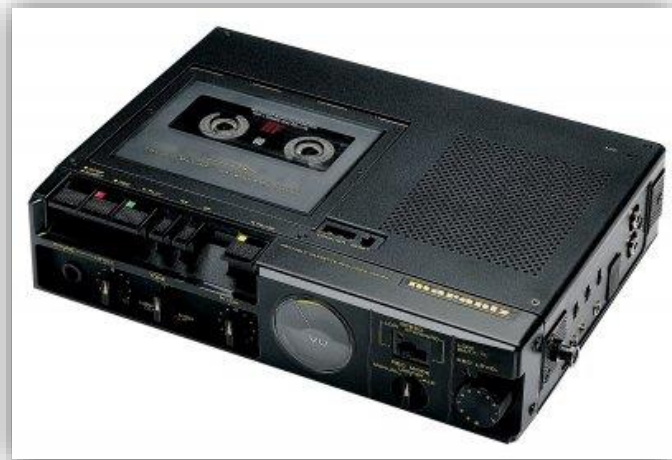
Sony CFD-S300 CD Radio Cassette Recorder Boom box
ATUS: **CDA 106-108 / 3 in inventory**

- CD, cassette, and radio Boombox with CD-cassette synchro dubbing
- 2.3 per channel x 2, with two 4-inch speakers
- Slim, basic-function remote control simplifies listening
- Offers 10 front-panel direct-access buttons for tuner and CD; 20 FM and 10 AM station presets; drift-free digital PLL tuning
- Audio CD-R/CD-RW playback compatibility, 20-track programming, and Mega Bass low-end enhancement
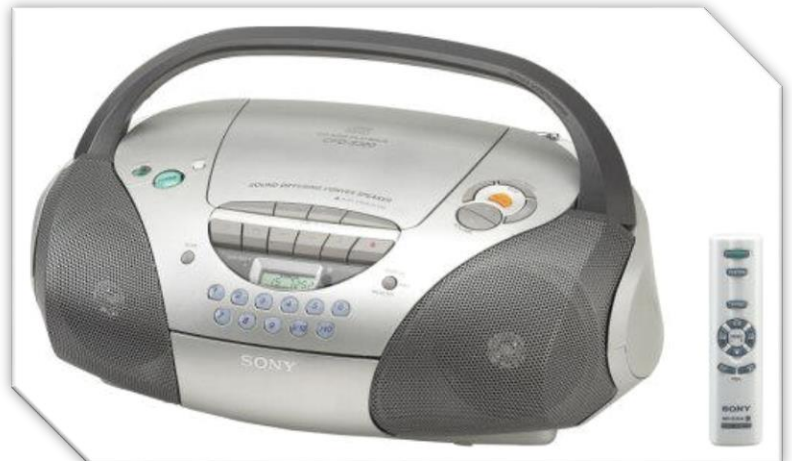
Sony CFS-W338 Stereo Boom box with Dual Cassette Decks

ATUS: **ACR501 / 1 in inventory**

- Dual stereo cassette decks
- 2-Speed Tape Dubbing
- AM/FM stereo tuner
- Stereo record/playback cassette deck
- 2-speed synchronized tape dubbing
- Built-in microphone

Sony TC-270 Stereo Tapecorder

Specifications

Track system: four track stereo and mono
Reel size: 7" (18cm) maximum
Tape speed: 19, 9.5 and 4.8 cm/s
Frequency response: 30 to 18,000Hz (19 cm/s)
Signal to noise ratio: 50dB or more
Wow and flutter: 0.12% (19 cm/s)
Semiconductors: 18 transistors and 4 diodes
Dimensions: 513 x 260 x 387mm
Weight: 16.5kg

SONY TCM-20DV

ATUS: **ACM 33-47**

- Double Recording Time gives you the option of recording on a standard cassette at either normal speed or half the normal speed, for extended recording or dictation sessions.
- Clear Voice sound system enhances voice quality during recording and playback for greater clarity.
- Microphone jack allows connection of an external microphone for greater flexibility.
- Automatic Shut-Off at end of tape reduces mechanical wear and conserves battery power.
- Cue/Review Function provides sound during fast forward and Rewind modes to help find specific passages.

RADIOSHACK 14-1148 Micro-cassette

ATUS: **ADT 101, ACM 31**

- 2 speed Recorder
- Built in speakers

Digital Audio Recording

Marantz PMD660 Professional Portable Digital Recorder Marantz
ATUS: DAR101-106

Portable, solid-state, compact flash audio field recorder
2 Built-in stereo condenser mics with Automatic Level Control (ALC)
2 XLR microphone connections with 48 volt phantom power
2 stereo line I/O
It can record in raw WAV or MP3 formats.
Uncompressed WAV files can be recorded at 44.1 or 48 kHz, and high
quality MP3 files can be recorded in mono (at 64 kbps) or in stereo (at
128 kbps). Powered with four AA-sized batteries
Battery life: 3.5 to 4 hours   Weight: 2.8 pounds
1 GB Compact Flash card = Over 1 hour stereo, 3 hours mono of
uncompressed audio, over 17 hours of stereo MP3, almost 36 hours of monaural MP3 audio.
*To avoid hiss caused by native sub-standard microphone pre-amps: The problem can be avoided by
using a 3rd party mic pre-amp, and routing the input signal into the line-inputs.*

Marantz PMD620 Solid State Handheld SD MP3/WAV Recorder
ATUS: **DAR 301**
One Touch Stereo or Mono Recording
Uses SD/SDHC Cards for Recording Uncompressed WAV or MP3 files
2 Condenser Microphones & Built-in Monitor Speaker
16-Bit or 24-Bit Linear PCM Recording at 44.1 or 48kHz Sample Rates for
WAV Files
Operates on 2-AA Alkaline or NiMH Batteries
Battery Life (Alkaline): 5 hours (Typical)
Weight (minus batteries): ¼ pound
Recording MP3 Bit-rate: Stereo: 192/128/64 kbps   Mono: 96/64/32 kbps
Line in/Headphone Out: 1/8" Stereo Jack

ZOOM Professional Audio Recording

Summary: ZOOMs are our most frequently checked out audio recorders. They provide crystal clear audio recording, are easy to step up and control, connect via USB for quick drag & drop. They are ideal recorders for general uses, interviews, and other high quality sound needs.

ZOOM H2 – Handy Portable Stereo Recorder

ATUS: **DAR 302-319**

Records in WAV or MP3 **Weight:** 4 Oz, 2 Alkaline AA , **Battery Life**: 4 hours

Built-in USB 2.0 port for data storage

Record from the front of the H2 in a 90° pickup pattern or the rear of the H2 in a 120° pickup pattern

Record in a 360° pickup pattern at up to 48 kHz/24-bit resolution which will allow you to convert your recordings to 5.1 Surround.

W-XY mic patterns with 4 mic capsules and signal processing allows Front 90 cardioid, Rear 120 cardioid and 360 polar patterns (See pictures)

Record 360 sound as 2ch data or 4ch data simultaneously
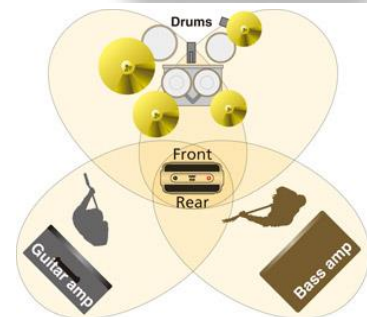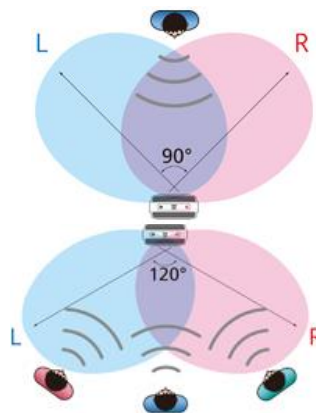
ZOOM H2N – Handy Portable Stereo Recorder

ATUS: **DAR 401-410**

Records in Wave or MP3.
One click recording, extremely simple to set up and use.
Very portable and well designed.

Powered by 2 AAs or USB

Able to record using multiple microphones to optmize sound collection & clarity. (See above)

Default: 2 Gb Card (37 Hours mininum at 96 KbPS mp3).

Max recording quality: 24-Bit 96kHz Wave.

Large bright LCD Screen for easy viewing

Unlike the Zoom H2, this recorder has a miniature speaker for playback.

Inputs: Line in (1/8" Mini Stereo), Remote, Line Out, USB, (NO AC)

Navigate using simple 3 directional pad on right side.

ATUS: **DAR 501-510**

Summary: Ideal for recording interviews, lectures, rehearsals, meetings, and more, this palm-sized unit packs the ability to record up to 4 channels of audio at greater than CD quality.

▪
- True X/Y Stereo Mics
- Selectable Recording Patterns, Records up to 24-bit/96kHz
- Records to SD/SDHC
- XLR/TRS Combo Inputs
- Built-In Speaker, Backlit LCD Display
- Uses AA Batteries – Can be powered by USB or AC Storage

The H4n comes complete with a 16GB SD card, wind screen, mic clip adapter, AC adapter, USB cable, remote, and protective case

SD Memory Card (2GB)

Wind Screen

Mic Clip Adaptor

AC Adaptor(AD-14)

USB Cable

Protective Case

90° / 120° Variable
XY Stereo Microphones

STEREO / 4CH / MTR
Mode Indicator

1.9-inch
LCD Screen

Short Cut /
Track Select Keys

Input Select Keys

Transport Keys

XLR / Hi-Z
Input Jacks

External Mic Input
(Plug-in Power)

Reference
Speaker

Jog Dial

Menu Key

REC Level
(+/- Keys)

SD Card Slot

Tripod Mount

Battery Cover

REC Key

DC5V Jack

Remote
Control Jack

Phones /
Line Output Jack

Volume
(+/- Keys)

STAMINA
Mode Switch

USB Port

Power /
Hold Switch

ATUS: **ZOOM5 1-9**

Summary: The Zoom H5 can handle up to 140dB SPL, which allows you to get closer to loud soun sources and record cleanly. The two inputs for external mic sources allows you to record simultaneously with the stereo XY mic for a four channel input.

- True X/Y Stereo Mics
- Selectable Recording Patterns, Records up to 24-bit/96kHz
- Records to SD/SDHC
- XLR/TRS Combo Inputs
- Built-In Speaker, Backlit LCD Display
- Uses AA Batteries – Can be powered by USB or AC Storage

Recording Format: WAV
Weight: 9.5oz
Battery life: ~15 hours of continuous recording

Inputs: L/R (XYH-5 X/Y mic) Unidirectional Mic
      Mic/Line in with 1/8" stereo mini jack
      XLR/TRS combo jack input
Outputs: 1/8" stereo mini jack for line out
      1/8" stereo mini jack for headphones
      400mw 8 ohm mono built-in speaker

The H5 comes with a 16GB SD card, wind screen, dead cat screen, remote and extender cord, USB cable, and protective case

Handheld cardioid microphones
ATUS: **AMU16-42**

Shure SM58 (**AMU 16, 33, 35, 36)**
Frequency response tailored for vocals, with brightened mid range and bass roll off to control proximity effect. Uniform cardioid pickup pattern isolates the main sound source. Pneumatic shock-mount system cuts down handling noise.

Shure PG57 (**AMU 38, 40)**
Tuned specifically for instrument applications. Cardioids polar pattern picks up the most sound from in front of the microphone and some sound from the sides. Less susceptible to feedback in high volume settings. Dynamic cartridge has a simple, rugged coil. Handles extreme volume levels without distortion.Internal shock mount for reduced handling noise

Shure PG58 (**AMU 37)**
Shure - Dynamic - Unidirectional - 10.5 ounce - Mono
Tailored frequency response is smooth and extended. Tuned specifically for vocal applications . Cardioid polar pattern picks up the most sound from in front of the microphone and some sound from the sides. Less susceptible to feedback in high volume settings. Dynamic cartridge has a simple, rugged coil. Handles extreme volume levels without distortion
Integral "pop" filter reduces explosive breath sounds and wind noise.
A rugged mic tuned to accentuate the clarity of lead and back-up vocals

Audio Technica 75D - 1985 Unidirectional Microphone **AMU 30**

Handheld wireless microphones

AudioTechnica ATW-T220 (**AMW 402-405, 420**)

Unidirectional

Handheld microphone system (includes transmitter and receiver (ATW-R2100)) that can be plugged into sound systems with either an XLR or ¼" cable. Adjustable frequencies. Output is variable between mic level and line level. Operates on 2 AA batteries.

Kit comes with AA batteries, receiver, handheld microphone, and power plug-in.

AMW 405 comes with both handheld and lapel microphone, but cannot be used simultaneously.
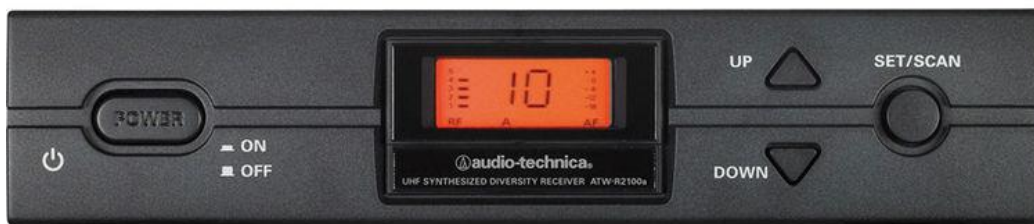
Shure SM58 (**AMW 406**)

Handheld microphone system (includes transmitter and receiver (PGX4)) that can be plugged into sound systems with either an XLR or ¼" cable. Adjustable frequencies. Output is variable between mic level and line level. Operates on 2 AA batteries.

Kit comes with AA batteries, receiver, handheld microphone, power plug-in, and windscreen.

<u>Sennheiser EW 300 </u>(**AMW 401)**
Handheld microphone system (includes transmitter and receiver) that can be plugged into sound systems with either an XLR or ¼" cable. Adjustable frequencies. Output is variable between mic level and line level. Operates on plug-in power.
Kit comes with receiver, handheld microphone, and power plug-in.

Lavaliere microphones (clips to Lapel)

Wireless Lapel Microphone Azden WMS-PRO Wireless Microphone System
ATUS: **CMW101-115, CMW301-312, AMW203-205**

LEDs on transmitter and receiver confirm system status
Ear-phone included to monitor sound being recorded
and receiver plugs into cameras external microphone jack
Both units use 9 volt battery
System includes:
WR-PRO receiver , WM-PRO belt-pack transmitter
Lavaliere electrets condenser microphone
Hand-held electrets condenser microphone (only CMW301-CMW312)

Wireless Lapel Sennheiser BF 1053-VHF
ATUS: **AMW110**

Comes with Sennheiser BFR 1051 receiver which has XLR and ¼" cable plugin.

Wired Lapel Audio-Technica ATR-35S Omni-Directional Mic.
ATUS: **AML71-77, AML80**

High-quality omni-directional condenser
Lavaliere microphone with on/off switch
Great for use with video, aerobics, dance and sports instructors
Miniature design with permanently attached 20' cable and 3.5mm mini plug
Frequency response: 50Hz-18 kHz
Includes tie clip, battery, windscreen and 1/4" adapter

Wireless Microphone Systems

Sennheiser Diversity Receiver ew300/ ATUS: **AMW 401/ AMW503**

Sennheiser Diversity Receiver BFR 1051 HiDyn Plus/ ATUS: **AMW 110**

Sennheiser Diversity Receiver ew100/ ATUS: **AMW506, Lapel 1 - 4**

Audio Technica UHF Synthesized Diversity Receiver ATW-R2100/ ATUS: **AMW 402,3,4**

Performance Gear Wireless PGX4/ **AMW 405 (Newer)**

Note: Receiver needs AC power.

Summary: This equipment allows you to connect wireless microphones to existing sound systems. These systems are designed to be connected via XLR or ¼ audio cables. (See Section H. Sound Systems for ATUS sound systems). They come with either wireless handheld microhprones, lapel mics or both.

USB microphones

Condenser Microphone - Samson CO1U
ATUS: **USBMIC1, 2, 4(Different but very similar model)**
19mm internal shock mounted diaphragm with a cardioid pick up pattern
Compatible with any computer based Digital Audio Workstation.
The extremely detailed sound reproduction makes it ideal for recording
vocals, acoustic instruments and just about any other sound source.
High Quality AD converter with 16 Bit, 48K sampling rate.

Snowflake Microhpne - Blue Microphones
ATUS: **USBMIC 3**
Unique design fits on your desktop or laptop, extremely portable
Perfect for podcasting, voice recognition software, movie narration, music
Compatible with Mac and PC; plug-and-play, requires no additional drivers

USB Speakerphone
ATUS: **USBSPKPHO 1-2**
360-degree room coverage , Minimizes background noise
Full duplex USB speakerphone, conference quality audio
Integrated mute and volume controls, headphone jack

Blue "Yeti" USB Mic

ATUS: **YETIMIC 1-4**

- Tri-capsule array - 3 condesner capsules can record almost any situation
- Multiple pattern selection - cardioid, bidirectional, omnidirectional & stereo
- Gain control, mute button, zero-latency headphone output
- Perfect for vocals, musical instruments, podcasting, voiceovers, interviews, field recordings, conference calls
- Plug 'n play - Mac and PC compatible

Audio-technica AT2020 – Cardioid Condenser Mic
ATUS: **USBMIC5, 6, 7**

- The price/performance standard in side-address studio condenser microphone technology
- Custom-engineered low-mass diaphragm provides extended frequency response and superior transient response
- High SPL handling and wide dynamic range provide unmatched versatility
- Ideal for project/home-studio

USB mic adapters
ATUS: **USB MICAD 1, 2, 3** - Allow for conversion between XLR and USB (and 1/8" jack on USB MICAD 1)

Shotgun microphones & boom poles

Audio-Technica AT815b Shotgun Microphone
ATUS: **AMG1-AMG7, AMG10-AMG12**

Designed for professional recording, broadcasting and film/TV/video production. Provides the narrow acceptance angle desirable for long-distance sound pickup.

Delivers excellent sound rejection from the sides and rear of mic. Switchable low-frequency roll-off. Operates on battery or phantom power. The roll-off position reduces the pickup of low-frequency ambient noise (such as traffic, air-handling systems, etc.), room reverberation and mechanically coupled vibrations.

Sennheiser ME66 Short Shotgun Capsule Head for K6 Series
ATUS: **AMG 8, 9**

Super-cardioid/lobar pick-up pattern
Highly directional
Low inherent self-noise
High sensitivity
Especially suitable for reporting, film and broadcast location applications and for picking up quiet signals in noisy or acoustically live environments as it discriminates against sound not emanating from the main pick-up direction. Matte black, anodized, scratch-resistant finish.

Extendable Microphone Booms
ATUS: **Boom101-110; Boom102, 111, 112, 113 have built in XLR Cable**

It is useful for extending Microphones above subjects during recording; up to 12 ft extension.

Parabolic Microphones

Saul Mineroff SME PR-1000
ATUS: **PARAB-1,2**

Used primarily for environmental recordings, research and development situations, and nature studies. The parabolic microphone reflector is designed to collect sound falling on its surface to a focal point while supplying increased sensitivity and directionality as compared to a conventional shotgun microphone.

Comes equipped with Sennheiser ME-66 Shotgun Microphone.
Frequency Response: 40-20000Hz +- 2,5 dB

Miscellaneous microphones

Tabletop Conference Microphone
ATUS: **AMT 2, 3, 4**   Optimus Omnidirectional Boundary Mic/ ATUS: **AMT3**
                                          PZM6D/ ATUS: **AMT4**   Crown Sound Grabber 2/ ATUS: **AMT5, 6**

Audio-technica PRO 42 - Miniture Cardioid Condenser Boundary Microphone
ATUS: **AMT 20-22**

The PRO 42 brings crisp, intelligible audio reproduction to the podium, stage, conference table and beyond. With a wide-range condenser element and low-mass diaphragm for superior performance, the microphone is equipped with self-contained electronics, eliminating the need for external power modules.

- Very low-profile design for minimum visibility
- Wide-range condenser element with low-mass diaphragm for superior performance
- Uniform polar pattern for maximum rejection of unwanted sounds
- Rugged design and construction
- **25' (7.6 m) cable permanently attached between microphone and XLRM-type connector**

Audio-technica PRO 24-CM - Fits on Camera Mic Shoe
ATUS: **SHOEMIC-1, 2,3,4**

Pro-level stereo reproduction for video camera mounting.

True X/Y Stereo Capturing
> The Pro-24CM features two capsules mounted in an X/Y position for true spatial impact and realism of a live sound field.

LR44 or Plug-in Power Capable
> Battery-free operation when used with recording devices that provide plug-in power at the mic input.

Compact Design
> Compact, lightweight design is perfect for camera-mount use.

Gooseneck Microphones - Best for podiums or conferences
ATUS: **GOOSENECK 1-7**

Frequency Response: 50 to 17,000Hz
XLR cable plug-in
Phantom Power Required: 11 to 52 Vdc phantom, 2.0mA

Audio acessaries

Microphone Holders:

ATUS: **HSM1, 2**

Handheld mount for shotgun mic

Other Microphones:

Computer Headsets

Lapel Headsets

Mic Stands:

Tabletop

Full Size

(E) Computers

Windows (Dell) PC Computers

Dell Latitude E6420 Windows 7

ATUS: **WWD 51-77**

TO LOG IN – USER: ".\press enter" PASS: 12345

Specs:

- 14' Full HD LED Screen (1600x900)
- Intel 2nd Gen Dual Core i5-2520M,
- 2.50Ghz 1066MHZ 3M L2 Cache
- Windows 7 Professional 64 Bit, 8x DVD
- 320 GB Hard Drive
- VGA Output
- 4GB DDR3
- Intel HD Graphics 3000
- Screen size: 14.1 Active Matrix Display
- Internal wireless card - This allows you to connect to any wireless hotspot.
- Battery 4-6 Hours
- Additional batteries available

.

Software:

- All standard Windows 7 Programs
- Adobe Reader 9
- Express Scribe
- Microsoft Office 2007 (Word, Powerpoint, Excel, Publisher, Outlook, Access, Infopath)
- Internet Explorer / Mozilla Firefox / Chrome
- iTunes
- VLC Media Player
- PowerDVD
- Roxio
- Google Earth
- Interwrite Software for Classroom Clickers

* Our computers are updated quarterly and are often changed by students themselves so this list may not accurately reflect programs on individual computers. If you have questions regarding a specific program please contact us and we will do our best to accommodate your needs.

TO LOG IN – USER: ".\press enter" PASS: 12345

Specs:

- 14" Full HD LED Screen (1366x768)
- 2.3 GHz Intel Core i5
- Windows 7 Professional 64 Bit, 8x DVD
- 500 GB HD Hard Drive
- Intel Integrated Graphics
- Screen size: 14 inches
- Internal wireless card - This allows you to connect to any wireless hotspot.
- Bluetooth capability
- Battery 4-6 Hours

Software:

- All standard Windows 7 Programs
- Adobe Reader 9
- Express Scribe
- Microsoft Office 2007 (Word, Powerpoint, Excel, Publisher, Outlook, Access, Infopath)
- Internet Explorer / Mozilla Firefox / Chrome
- iTunes
- VLC Media Player
- PowerDVD
- Roxio
- Google Earth
- Interwrite Software for Classroom Clickers

* Our computers are updated quarterly and are often changed by students themselves so this list may not accurately reflect programs on individual computers. If you have questions regarding a specific program please contact us and we will do our best to accommodate your needs.

Apple Macbook Pro

ATUS: **MACPRO1-20** (model A1278)

See Software and Internet apps above.
Intel Core 2 Duo Processor 2.4 GHz
13.3 Inch Screen (1280 x 800 Resolution)
Intel HD Graphics 3000
8 Lbs.   4GB DDR2 Ram   250GB Hard Drive
Back Lit Keyboard

Inputs:
   Firewire 900, Lightning Port, x2 USB 2.0, SD Card,
   Headphones

Apple Macbook Pro Retina

ATUS: **MACPROR 30-49** (model A1502)

Intel Core i5 2.8 GHz Processor
13.3 Inch Screen (1280 x 800 Resolution)
Intel Iris Graphics 6100 1536 MB
16 GB 1867 MHz DDR3 Memory
3.5lbs
OS X Yosemite
Inputs: Thunderbolt 2, USB 3, HDMI, SDXC card slot

Apple Macbook Air

ATUS: **MACAIR1** (model A1237)
1.8 GHz Intel Core 2 Duo Processor
13.3 Inch Screen (1366 x 768 Resolution)
Intel HD Graphics 3000
4.5 Lbs.   2GB DDR2 Ram   64GB Hard Drive
Back Lit Keyboard

Inputs:
   USB 3, Headphone jack

Apple Ipod Touch

ATUS: **x6** - No ATUS name, use Barcode
4th Generation – 3.56 oz.
32 Gb storage, 256 Ram
Holds up to 7,000 songs, 40,000 photos
3.5" 960x640 (326 ppi) Retina Display
Capable of recording in 720p
Estimaed 40 hours of music playback, 7 hours for video
Camera 0.7 Megapixels

Numerous preinstalled apps for:
Storage, Photography, Productivity, Audio, Video,
Drawing etc.

Misc. Computer Accessories

Powerpoint Clicker - SMK-Link RemotePoint Navigator 2.4 (VP4150)

Polished metal, icon-studded control keys support Slide Forward, Slide Back and
Slide Hide functions, and a laser pointer.
Installation: Just plug in the USB receiver and go
Navigator's 50 foot RF wireless range means that no matter where you're
standing or which way you're facing in the room, your slides will advance on cue
every time
50 foot range
PowerPoint ready
No software required

Other Accessories:

Mouse
Remote Mouse
Scanner
Thumb Drives 4g or 8g (Lexar or Kingston brand)

Flash Card Readers
Read many different types of Cards including:
MMCmobile, SD, SDHC, MMC, MMCplus, RS-MMC; MiniSD,miniSDHC; microSD, microSDHC;
MMCmicro; CF Type I and II, Microdrive; MemoryStick, Memory Stick Pro, Memory Stick Duo, Memory
Stick Pro Duo; MemoryStick Micro (M2)

(F) Media Storage

Lacie Hard Drives

LaCie 80GB USB 2.0 Desktop External Hard Drive
ATUS: **VSD30-38**

80GB
1x USB
1x FW400 (6-Pin Firewire)
Available with high-speed USB interface, the LaCie Hard Drive offers fast data transfer rates (up to 400 Mbps) that are required for substantial jobs like rendering 2-D/3-D images, downloading digital photos, saving MP3s or transferring home videos from a camcorder.

LaCie LTD. 160GB External Hard Drive d2 EXTREME FW800
ATUS: **VSD1,2,4,7,11,13,15,16,17,18,20,21,23,24,28,29,40-48**

(Same as Below)

LaCie D2 160GB External Hard Drive USB 2.0 FWIRE/8 7200RPM 8MB
ATUS: **VSD51-54**

USB Port
FW 400 (6-pin Firewire)
2x FW 800 (9-pin Firewire)
Compatible with Mac or PC (depending on formatting)

LaCie Rugged All-Terrain 500 GB External Hard Drive
ATUS: **EXHD1-10, EXHD20-80**

USB 2.0
FireWire 400 (6-pin firewire)
1 FireWire 800 (9-pin firewire)
Bus-powered so no bulky power adapter
required
Measures 3.5 x 1.0 x 5.7 inches
Weight: .5 lbs
Mac or Windows

Western Digital

Western Digital My Book Studio II - 2 TB Desktop External Hard Drive
ATUS: **DNCDRV 1-10   EXHDL 1-10**

USB 2.0/FireWire 800/400/eSATA
(2 x 1 TB) Drives (Dual Drive)
Lightning-fast FireWire 800 combined with RAID 0 yields the speed you need for smooth video editing,
rendering complex 3D objects or special effects
WD's GreenPower drives; this system uses about 30% less energy than standard systems and runs
quietly because it doesn't need a fan
2TB = 2000GB Hard Drive Capacity
Pre-configured to RAID 0 (Striped)
Dimensions: 8.8 x 7.8 x 8.8 inches
Weight: 6 pounds
PC or Mac Compatible

Also See: Firestore Hard Drives under Camera Accessories

Light Kits

5 Types of Lights: Lowell Brand

Omni Light: The wide focusing range of the omni-light makes it a flexible key or back-light. Excellent general purpose light. Kits contain umbrellas and stands.

Tota Light: Compact, rugged, and versatile, the Tota-light can be used with its umbrella as a soft key, fill, or back-light. With its adjustable reflectors, it can be a smooth and even back-ground light; or point it toward the ceiling to raise the ambient (base) light level of a room. Kits contain umbrellas and stands.

Flood Lamp: Strong light source designed for video and photo lighting. Kits contain reflectors and stands.

Rifa softbox: This softbox opens like an umbrella. This softbox is compact, lightweight, and self-contained. A woven glass fabric, heat-resistant 21 x 21" (53 x 53 cm) front diffuser provides sufficient illumination with soft shadows.

Lowel Pro light: With its high intensity Reflector & Prismatic Glass, the tiny focusable Pro-light is more efficient than a mini-fresnel of equal wattage. It gives an exquisite even light, with fresnel-like shadow quality, evenly dispersed flood, and a uniform spot with significant barndoor cut. Used with today's more light sensitive digital cameras

Definitions:
Key Light: Direct/Dominant light on subject
Backlight: Light that hits a person from almost behind; does not hit much of subjects face
Diffusion: Re-directing or scattering light
Fill: Light that fills in shadows not hit by Key light.

Light Kit Contents

LK2: 2 Omni Lights
LK5: 3 Tota Lights
LK6: 2 Tota Lights
LK201: 2 Large Flood Lamps
LK202, 203, 204: 2 Small Flood Lamps
LK301, 302: 2x Circular Omni, 2x Tota, 1x Rifa softbox, 1x Pro light (6 Lights, Heavy)
LK303-308 – 1x Rifa Softbox, 1 Pro Light, 1 Omni and 1 Tota (4 Lights, heavy)
LK401-404: 3 Large Flood Lamps

LED Light Kits

Bescor FP 500KL Dual Color (small LED panel)

ATUS: LKLED 3-11

- 500W Equivalent LED Light
- Variable Color Temperature: 3200-5500K
- Panel Size: 12 x 11 x 1.4"
- Total 5mm LEDs: 504
- Dimmable from 100% to 15%
- Independent Dimmer for Each Color
- 3 Hour Run Time with Li-Ion Battery
- Universal AC Adapters
- 6.2' Dual-Braced Light Stands

Bescor LED-1200K Professional AC/DC Lighting Studio Kit (Big LED panel)

ATUS: LKLED 1-2

- Bi Color: 3,200-5,500K
- LED-1200 LED Light
- Air-cushioned Light Stand (7.0")
- Battery (12V) with 10" XLR Cord
- Universal AC Power Supply
- Built-in Dual V-Mount Battery Plates
- Fully Dimmable
- Built-in Carry Handle and Barn Doors
- Hot Shoe Rails on All Four Sides
- Multi-voltage

Light Kit Contents

- **LKLED 1-2:** One LED 1200K Professional Lighting Studio Kit - Big LED Panel
- **LKLED 3-8:** One LED 500KL Dual Color – Small LED Panel
- **LKLED 9-11:** Two LED 500KL Dual Color – Small LED Panel

CameraPlus CP-MTLII

ATUS: LEDTUBE 1-3
- 298PCS LED Light
- Color Temperature: 3200/5600K
- Power: 20W
- Voltage: 9-12V
- Grip Handle & Removable Orange Filter
- 100-200 Min Battery Life
- 72-degree curved front

Comes with LtTube, orange filter, battery, and carry case. Extra battery or plug in power on request.

Epson LCD Projectors
Small Lightweight & Portable

Summary: These projectors are versatile in that they are convient & simple to use. They all have standard inputs to project images/videos from a variety of different mediums.

ATUS: **MPE1, MPE02-05, LCD1-6**

Inputs/Compatibility: HDTV (720p), Standard (480e), Component, S-Video, RCA (Computers). No HDMI

Throw Distance: 5-30 Ft.	**Image Size**: 30-300 Inches	**Speakers**: 5-10 W Mono
Display: 3 LCD	**Native:** 1024x768 (1200x800 for LCD3-6)	**Weight**: 6 Pounds

EPSON PowerLite 82C *(Model # EMP-82)*
ATUS: **MPE1, MPE02-05**

EPSON PowerLite 84 *(Model # H294)*
ATUS: **LCD1-3**

Projector has a dedicated microphone input, allowing teachers to amplify their voice using the internal speaker to ensure all students can hear.

EPSON PowerLite 826W *(Model # H296A)*
ATUS: **LCD 4-6**

Displays widescreen image (16x10)
Weight: 7.0 lbs

High Definition Projectors

ATUS: **LCDHD-1, 2 , 3**

Weight: 15 lbs.
Size: (inches, D x W x H) 18.5 x 12.3 x 5.3
Keystone Correction: Vertical ±30°,
Horizontal ±20° (standard lens)
Screen Size: 50-inch to 300-inch
Projection Distance: 100-inch screen:
2.76–4.97m (standard lens)
Speaker Output: 1 x 7 watt
Connectivity:

    Input Video: 1x RCA, 1x S-Video, 1x
    component (via D-sub 15-pin),
    1x HDMI, 1x DVI-D, 1x 5-BNC, 1x 1-BNC
    Input Computer: 1x D-sub 15-pin (RGB), 1x
5-BNC, 1x DVI-D
    Input Digital: 1x HDMI, 1x DVI-D

    Input Audio: 3x Stereo mini-jack, 1x RCA, 1x
HDMI
    Input: Control 1x RJ-45, 1 RS-232C

    Wireless Connection 1x optional Wireless LAN Unit (802.11 a/b/g), 1x optional Quick Wireless
    Connection USB Key

    Output Computer 1x D-sub
15-pin (RGB)
    Output Audio 1x Stereo
mini-jack

Display:
    Type: 0.76" with MLA
(C²Fine) 3 LCDn
    Resolution: WUXGA (1920 x 1200) Widescreen
    Aspect Ratio: 16:10 (Native), 4:3, 16:9

Comments/ Special Features:
Easy MP Network & Control via Wired or Wireless LAN
EasyMP Network Projection, including Multi PC Projection and message broadcasting functions)

EPSON PowerLite 1980WU

ATUS: **LCDHD 4-8**

Weight: 10.2 lbs.
Size: (D x W x H) 14.8 x 4.9 x 11.4"
Keystone Correction: Vertical ±30°, Horizontal ±20°
(standard lens)
Screen Size: 50-300"
Lens: F1.5-2
Zoom: 1-1.6x
Speaker Output: 16W (Mono)
Inputs:

     15-pin VGA Video

     HDMI Audio/Video
     RCA Composite Video
     RCA Stereo (L/R) Audio
     1/8" Mini Audio
Outputs:
     15-pin VGA Video
     1/8" Mini Audio
Connections:
     USB 2.0 Type-A Female
     USB 2.0 Type-B Female
     RS-232C Control
     Ethernet Control

Resolution: Full HD 1080p (1920x1280), (640x480), (SVGA 800x600), (SXGA 1280x1024), (SXGA+ 1400x1050)

Other LCD Projectors

Summary: These projectors are a bit older than the previous LCD projectors. They are a bit heavier, however much of the functionality and display is the same.

ATUS: **MPF01/02, MPD 6/9/10, 11/13, MPS-01**

Inputs/Compatibility: HDTV (720p), Standard (480e), Component, S-Video, RCA (Computers).
No HDMI

Throw Distance: 5-30 Ft.	**Image Size**: 30-300 Inches	**Speakers**: 1-5 W
Display: 3 LCD	**Native:** 1024x68 (4x3)	**Weight**: 6-14 Pounds

EPSON PowerLite 821P – For larger rooms
Model # EMP-821

ATUS: **MPF01, 02**

EPSON PowerLite 7200
Model # ELP 7200

ATUS: **MPD 6, 9, 10**

EPSON PowerLite 7250
Model # ELP 7250

ATUS: **11, 13**

Sanyo PLC-XU41
Model # PLC-XU41
ATUS: **MPS-01**

Residence Hall Projectors

Summary: This projector is reserved for checkout by Residance Hall staff only. (Student RAs okay)

Panasonic PT-LM1U Projector
Model # PT-LM1U

ATUS: **RES 102**

Weight: 3.5 lbs

Size (in.) (HxWxD) : 2.3x10.1x8.2

Throw Dist (feet): 7.8 - 30.5

Image Size (in.): 60.0 - 275.0

Digital Keystone: Vertical

Speakers: 1.0 W Mono

Compatibility:

    HDTV: 1080i, 720p, 525i

    EDTV/480p: Yes

    SDTV/480i: Yes

    Component Video: Yes

    Video: Yes

    Digital Input: No

    Computers: Yes

Display:

    Type: 0.6" 3 LCD

    Native: 800x600 Pixels

    Maximum: 1600x1200

Pixels

    Aspect Ratio: 4:3 (SVGA)

Older Display Equipment

Overhead Projector *Aka Transparency Projector*
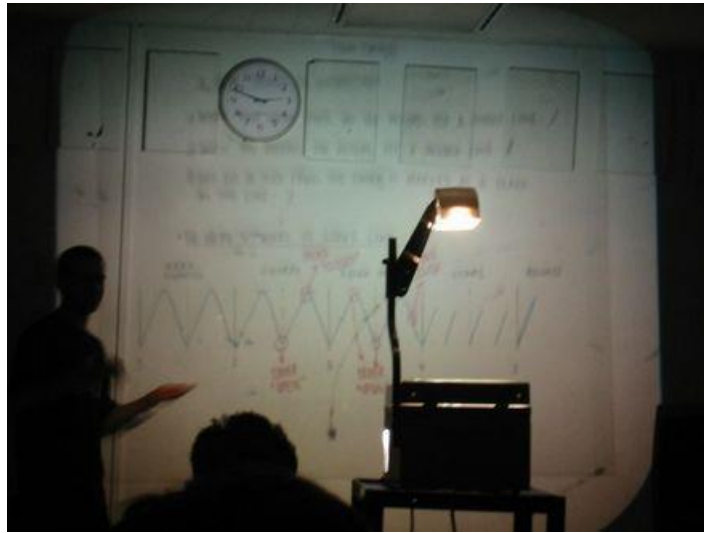
35mm Slide Projector (w/ remote control)

Opaque Projector

16mm or 8mm Projector

Portable Screens

Portable Screens for presentations using a

Projector
Sizes range from 3 ft. (Tabletop) to 10 ft.
Different Styles

Some may be adjusted from standard to widescreen:

4:3 format

16:9 format

Sony DVD Recorder

Sony VRD-MC1 DVDirect External USB 2.0 Multi-Function 16x DVD Recorder
ATUS: **DVDR 101-103**

Records video and digital stills from camcorders, digital cameras and audio-visual sources to DVD
<u>without computer</u>
4-pin i.LINK (IEEE1394) port for a camcorder connection, and composite video, S-video and L/R audio
connections for audio-video recording
A memory stick duo slot and a multi-card slot that accepts a memory stick, SD memory cards, xD
picture cards, and CompactFlash cards are included for your digital stills.
Prints images directly to PictBridge compatible printers
Automatic menu and title/chapter creation
Includes Nero software suite for managing and editing of digital imagery

Sony VRDMC5 DVDirect DVD Recorder
ATUS: **DVDR 104**

Record video to DVD from DV or analog video source – Playable in most home DVD players
Record AVCHD video from Sony HDD/MemoryStick Handycam Camcorder to DVD playable in most Blu-
ray Disc™ players
Backup digital photos to DVD or create photo slideshow on DVD from Memory card or Sony
HDD/Memory Stick Handycam camcorder via USB
Playback/viewing on built in 2.5" LCD display, only discs created by
Incorporates memory card slots for the 5 popular camera memory card types and will directly record
images from the memory card to DVD as a playable slideshow or just for photo storage.
Full support for 4:3 full screen or 16:9 wide screen video and Dolby® Digital 5.1 surround sound.

DVD/VHS/Blu-Ray Players

DVD/VHS Player
ATUS: **DHS 101**

DVD Players DVD-R Playback
ATUS: **DVD102, 104, 105, DVD RegFree**
(DVD Reg Free is Region free)

DVD/Blu-Ray Players
ATUS: **DVDBLU1, 2**
Ports: USB, Ethernet, HDMI, Blu-Ray Audio / Video Output, Coaxial, Digital Out

External Drive/Burners

CD External Drive / Burner
ATUS: **CDR 101**

DVD External Drive / Burner
ATUS: **DVDUSB 1, DVDUSB 2**
Plays CDs or DVDs

Flobby Disk Reader
ATUS: **DVDUSB 1, DVDUSB 2**
Floppy Disk to USB port, to be able to read on computer.

Blu-Ray External Drive / Burner - LG BH08LS20 Super Multi Blue - Disk drive - BD-RE - 8x/2x/8x - Serial ATA - internal - 5.25" LightScribe
ATUS: **DVDBLUUSB-1**
LG BH08LS20 Blu-ray 8x Burner 16x DVD RW DL SATA Drive General Features
LightScribe Direct disc labeling 8x write speed (BD-R SL) 4x write speed (BD-R DL)
2x write speed (BD-RE SL/DL) 8x read speed (BD-ROM) 16x write speed (DVD R)
8x write speed (DVD+RW) 6x write speed (DVD-RW) 4x write speed (DVD R DL)
5x write speed (DVD-RAM)

Document Cameras

Wolf Vision VZ-7D Portable 1CCD Video Visualizer

ATUS: **VDC 101**

18 x optical zoom with a digital x 4 zoom
extension, which can be switched on if required.
An Infrared remote control featuring: Manual
focus, Auto focus on/off, Manual iris, Image
on/off switch, 3 user programmable Presets and
Laser Pointer
User programmable setup: Experienced users
can alter the standard settings of the unit
according to their own requirements
Easy to Operate: Only 5 Buttons on the Unit
A built-in video camera offers a resolution of 470
TV-lines and the top picture quality that can be achieved with PAL or NTSC video technology
Produces a very strong, clear and stable picture when the visualizer is used as a document camera for
videoconferencing systems
other objects
Easy Folding System sets up in seconds

Lumens DC ladybug

ATUS: **DOCCAM 2**

SXGA Resolution and 5x Optical Zoom

Enlarged Shooting Area of 420 mm x 315 mm
(17'' x 12''): A3

Internal Memory plus SD Card

Enhanced Security and Auto Backup

Integration with Interactive Whiteboards

Standalone Video Recording

The DC166 camera head and lamp are mounted on adjustable gooseneck
arms to examine objects from any angle.

Small TV

ATUS: **VMB 76**

There are media closets around campus

(I) Sound Systems

Public Address (PA) Systems
(Portable Standalone)

Yamaha Stage PAS 400s

ATUS: **PAM1, PAM 2 (PA stands available)**

Summary: These PA set comes with 2 Speakers, a built in mixer (amp), and speaker stands.
The STAGEPAS 400i, all-in-one sound solutions that are extremely portable and easy to set up, allowing users to instantly add high quality sound reinforcement to virtually any environment.

Mixer: Equipped with 10 channels or 8 channels respectively, the 400i offers versatile connectivity, comprehensive channel functions, and seamless expandability that meet the growing demands of a wider range of applications and environments.

Power: By combining new high-efficiency amplifiers, newly designed speakers and high performance DSP, the new STAGEPAS delivers a significant increase in power output, with substantial improvements in sound quality and reliability.

Weight: 20 Lbs (each)   **Max SPL**: 125 dB SPRL/speaker   **Frequency Range**: 55Hz – 20 Khz
Mixer Channels: 8   4 Mono mic/lin + 4 mono /2 steroline   **USB** Audio In   1/8 Audio In (Mini)
Phantom Power +30v   **Built in Amplifier**: 400W (200W each)

Liberty MPB4500

ATUS: **PAE 1, PAE 2**

The system comes with wireless handheld and lapel
microphones.
Project/Music Switch. "Project" emphasizes voice for better
clarity; "Music" gives higher fidelity.
Accommodates multiple mics, plus CD/Tape input.
50 watt amplifier
Two XLR balanced phantom-powered mic inputs,
1/4" line input, line output, treble and bass controls
12 volt DC output and 1/4" speaker output.
Dimensions: 13x22.5x10" (WxHxD)
Weight: Approximately 44 lbs

Anchor MPA-5000, Liberty Xtreme Powered Speaker

ATUS: **PAD 301-303**

Anchor MPA-5000 Liberty Xtreme, Powered Audio Speaker.

A single PA unit switchable to either an efficient voice-projecting
system or a full-range music quality system. Features:
Project/Music Button, Balanced, switchable mic/line input
(accepts any microphone or any line level source), Unbalanced
line input accepts any line level audio source, AC accessory
outlet powers auxiliary components or systems, Balanced line
out supplies line level signal to additional systems.

Line Input: 1/4"-phone, Hi-Z, unbalanced
Mic Input: XLR female, Lo-Z, 15 VDC phantom power
Balanced Input: XLR female, switchable mic/line level
XLR input allows use of both line level or microphone source,
with or without phantom power
15 VDC phantom power (switchable)
Line Output (post fader): XLR male, 600, active balanced

Liberty Platinum

ATUS: **PAE 3**

The system comes with wireless handheld and lapel microphones.
The Liberty Platinum is the fourth generation in the twenty year history of the Liberty
Reach Crowds of 2,000 +
AC Mode 125 Watts - DC Mode 100 Watts.
Selectable Channels
AC Mode = 125W / DC Mode = 100W
Single or Dual Built-in UHF Wireless w/ 16 User
Selectable Channels
Built-In MP3 Player Accepts SD Card,USB Flash Drive or 3.5mm input for iPod
USB Port for Charging MP3/iPod®
"Voice Over" Music Ducking Feature
Two Universal Mic Input Jacks
Recessed Back Panel Protects Knobs and Ports
True AC/DC - 110/220V Power Supply
Ceramic Compression Driver
10" Neodymium Woofer
Proprietary Class D Amplifier
User Replaceable Batteries,Charging LED Bar Indicator,Operates 6-8 hrs on a Single Charge
Speaker Out to Power Companion Speaker

Pyle Pro Pro Audio PA system PWMA-1080i

ATUS: **PAG 1**

Features echo, bass & treble controls.
Rf, rechargeable, low battery & power led indicator.
Handheld wireless microphone with 3-position power switch.
Operation range: 100 ft.
Unit battery life: 5 hours. Microphone battery life: 45 hours
Docking system suitable for ipod nano & ipod classic.
Unit powered by internal, rechargeable battery pack.
Vhf wireless microphone with fcc certificate.
Ported enclosure for increased bass response.
2 microphone, 1 guitar & 1 audio.25inch inputs.
Telescoping handle & caster wheels.
One 6.35mm male to 3.5mm stereo female adapter.
Weight: 48 pounds

SAMSON auro D415

ATUS: **PAD 5**

This is a powered speaker.
Compact, lightweight 2-way active speaker system
D415A: 15-inch extended range low frequency driver
1.34-inch (34mm) compression driver with 1-inch exit
400 watts of output power
XLR mic input

Delivering 400 watts of output power, Auro D415 features a 15-inch extended low frequency driver and accompanying 1.34-inch compression driver. Immersive, articulate bass and sweet, lucid highs create well-balanced and expressive audio suitable for any situation when pro-quality sound is a must. Plus, our exclusive Optimax processing ensures the Auro D415 will operate at high volume levels without sacrificing low end. It's convenient 1/4-inch line input and XLR mic input, along with volume control and 2-band equalizer, combine professional capabilities with total ease of use. The speaker also features a 1-3/8-inch pole mount receptacle and dual-angle floor monitor positioning options for flexible setup. One feature you'll love about the Auro D415 is its conveniently lightweight, yet resilient design. The unit provides two oversized ergonomic carry handles, making transportation a breeze, while the solid polypropylene construction ensures roadworthy durability. Auro D415 is ideal for sound professionals and performers seeking to bridge the gap between portable and fixed installation applications.

Small PA Systems

Anchor AN-1000X Two-Way Powered Speaker

ATUS: **PAB 101-105**

This speaker will reach crowds of 400+ with up to 103dB of clear sound. It features bass and treble controls and a 50-watt sound system with response from 65Hz-20kHz. Its 2-way speaker system combines a 4.5" woofer and a dome tweeter.
The speaker can be rack or wall mounted. Simple line-in, line-out connections allow easy daisy-chaining for expanded coverage, or its output can drive a companion, **non-powered speaker.**

TeachLogic Soundlearning Presenter Sound System

ATUS: **PAF 1, 2**

High Quality Small Portable PA system
Speaker Outputs
Line out
Line in
XLR Mic In
Comes with a Lapel microphone

Basic Computer Speakers (AC powered)

ATUS: **COMPSPK1,2,3**

Conference Phones

Polycom SoundStation EX with Mics

ATUS: **TLC101**

Full-duplex conference phone with 2 external microphones
External microphones (optional) double coverage for medium
to large rooms
Integrated keypad for phone dialing with mute button,
flash
3 microphones, digitally tuned speaker provide
360-degree coverage
Echo cancellation/noise suppression ensure high sound quality
This polycom requires an analog line

Polycom SoundStation2 Expandable Conference Phone
ATUS: **CONFPHO1**

Acoustic clarity full duplex for natural, simultaneous 2-way conversation
3 cardiod microphones with intelligent mic mixing and 10-foot pickup range
Adjustable volume with dynamic noise reduction
Caller ID, graphical backlit LCD, user selectable ring tones
12-key telephone keypad with mute, volume up/down keys
This polycom can be used with both analog and digital.
If included adaptor is used.

Audio Mixers (AC Powered)

Behringer XENYX 802
ATUS: **MIX4CH1, MIX4CH2, MIX4CH3**

Summary: Weighing in at just 2.2 pounds, the XENYX 802 is the portable, practical way to turn a small performance with multiple vocalists into a sonic gem. Choirs, folk duos, coffee shops and karaoke lounges agree the XENYX 802 packs superior sound into small places.

The 8-input, 2-bus XENYX 802 has two XENYX mic preamps with +48 V phantom power, making it possible to use two dynamic or condenser microphones.

-Premium ultra-low noise, high headroom analog mixer
-2 state-of-the-art XENYX Mic Preamps comparable to stand-alone boutique preamps
-Neo-classic "British" 3-band EQs for warm and musical sound
-1 post fader FX send per channel for external FX devices
-1 stereo aux return for FX applications or as separate stereo input
-Main mix outputs plus separate control room, phones and stereo CD/tape outputs
-CD/tape inputs assignable to main mix or control room/phones outputs

The mixer is not powered and requires an amplifier

Shure SCM268 4-Channel microphone mixer

ATUS: **MIX 101**

Five unbalanced aux level inputs (Phono connectors)
LED peak output meter
One unbalanced aux level output (Phono connector)
IEC power cord connector
12V phantom power for condenser microphones
Built-in low cut filters on mic inputs
Unit fits into a half-rack space and includes all the necessary rack mounting hardware.
**The mixer is not powered
and requires an amplifier.**

Soundcraft RW5734 EPM6 – 6-Channel Multi-Purpose Mixer

ATUS: **MIX 202**

2 configurable auxiliary buses
XLR-type and 1/4" metal jack connector sockets
RCA phono stereo playback inputs and record outputs
3-band EQ with a swept mid on mono inputs
2-band EQ on stereo inputs
TRS insert sockets and inserts on all mono inputs and mix output
Ten-segment LED output metering
Intuitive and comprehensive solo system
Headphone output
Mixer not powered and needs an amplifier.

MACKIE PPM 808s Stereo 8-Channel Powered Mixer
ATUS: **MIX301**

Full featured 8-channel 1200 watt stereo powered

mixer

with onboard EMAC™ 32-bit digital stereo effects

processor

Two 600-watt FR Series High-Current power amps

Power amps switchable as stereo Mains or Mains +

Monitor

8 mic/line channels with master phantom power

Two stereo line inputs (on channels 7 and 8)

1/4" and XLR connectors on each input

1/4" Inserts on channels 1-6

Two Aux Sends (MON and EFX)

Ingenious "Break" Switch

Active 3-band EQ on each channel

9-band, audiophile-quality graphic EQ on Main and

Monitor outputs

**If speakers are needed, use the Baringer
(Carpeted) speakers.**

(J1) Camera Acessories

Car mount **(CMT101)**
Gel kit **(GEL101)** – 2 sets 6 colored gels and holders
Reflectors **(REF101, 102)**
Crane **(CRN101)** – In HH116
Glide cam stabilizer **(GLC101) (GLC**
Dolly for tripod **(TRD101)**
Clapper board
Field Monitor **(FMO 101, Field Monitor 2)**
Green Screens **(Greenscreen1-4)**
Shoulder Mount **(Shrig 1-2)**
Shoe Adaptor **(Shoeadapt 1-4)**
SLR Remotes
Camera Flash **(Flash)**

Tripods

Joby Gorillapod Flexible Tripod (Very Light Load)

ATUS: **GOR, T, TH**

Flexible tripod designed for digital cameras weighing up to 9.7 ounces (~.5 lb)
Fits into your purse, backpack, or jacket pocket
Innovative segmented leg design to ensure secure mounting

Standard universal 1/4-20 screw for attaching your camera to the tripod mount
Lets everyone get into self-timer shots
Weight: .5 lbs

Manfrotto 128 LP (Medium Load)

ATUS: **T**

Smooth fluid movement
Ideal for lightweight video cameras
Adjustable for right or left handed usage

Manfrotto 501HDV (Medium-Heavy Load)

ATUS: **TH 1-10**

Silky smooth panning.
Built in quick release system (removable boot)
First Manfrotto tripod with a 60mm bowl (an ideal match with the 701HDV professional video head).
Upper twin-leg and the one stage construction provide great rigidity.
Mid-level fixed spreader and retractable spiked rubber feet included.
Comes in Bag

Miscellaneous Accessories

Logitech HD Pro Webcam 1080p Video Calling

ATUS: **Webcam 20-23**
Full HD 1080p Widescreen Video
Built in dual stereo mics
H.264 video compression
USB Port Connection
For use with Windows, Mac and Chrome OS

Logitech Touchpad T650

ATUS: **Tpad-1**

Fast, fluid navigation at your fingertips

Recognizes 13 Windows 8 gestures

Click-anywhere surface

Rechargable life-long internal battery with USB Charging

Wireless: connects to computer with receiver

Compatable with Windows computers

Bamboo Pen Tablet CTL-470

ATUS: **Tablet-1**

Dimensions: 0.4 x 10.9 x 6.9"

Comes with tablet, pen and connection cord

Requires a standard USB port

Compatible with both Mac and PC

Brother CS6000i Sewing Machine

ATUS: **Sew 101-102**

Comes with sewing machine, needle, foot pedal, and accessory kit

Sewing Kits

ATUS: **SEWKIT 1-2**

Comes with needles, thread pack, pen, tape measure, needle tomato, scissors, and small pizza cutter

(J2) Transcribers

Sanyo TRC-8080 – Standard Cassette

ATUS: **ACT 102**

- Solenoid transport controls handheld mic, w/ slide remote
- Built-in speaker on mic 3 position foot control
- Phone recording capability w/ optional Gabber Grabber or SRD50.

OLYMPUS T1000 – Microcassette

ATUS: **ACT 100**

- Adjustable tape speed (15% ~ 30%)
- Adjustable auto backspace provides trouble-free transcription of basic in-office dictation.
- Easy-to-access controls including a convenient 3-pedal foot switch allow rapid transcription without taking your hands off the keyboard or your eyes off the screen.
- A dual-speaker headset lets you match dictation speed with typing speed.
- end-of-tape alarm,
- built-in speaker for group listening
- Tape counter

IN-USB-1 Infinty USB Foot Pedal – Digital (Computer) Transcriber

ATUS: **PED 101, 201, 202**

- Ergonomic design of USB foot pedal allows you to rest your foot comfortably while you are dictating or transcribing.
- USB foot pedal includes a wide, central, sloping Play pedal. Large size of USB foot pedal enables you to easily move your foot from the Play to Fast Forward to Rewind keys during dictating or transcribing.
- The Infinity USB foot pedal works on most of the leading brands of dictation / transcription products.
- To use the foot pedal download software from the internet. **Express Scribe** is recommended.

(J3) Misc. Equipment

Mixers for camcorders

ATUS: **CAMMIX 1-7**

Mount under camera, able to mix 2 mics into one consumer grade mic input.
XLR inputs mixes to one 3.5mm

Phone Recorder - JK Audio THAT-2 Telephone Interface with XLR I/O

works with analog digital PBX & ISDN telephones
ATUS: **Phone Rec**

Tap into phone line to record conversations
Connect THAT-2 between your telephone and handset for quick access to audio in and out of the telephone. The THAT-2 is used by radio stations to record and play sound bytes, and by TV and film sound crews to get IFB dialog over phone lines.
Unplug the handset coily cord form the base of your telephone and plug it directly into the THAT-2. Then, using the supplied cable, connect the THAT-2 back to the telephone.
RCA or XLR jacks
* THAT-2 does not work with cordless or cell phones, or any telephone with a keypad in the handset.

Audio –video extender

This device allows you to send composite video and stereo audio over CAT 5 (Ethernet) cable, allows up to 2000' cable lengths, note we can provide at this time only 100' lengths of the cat 5 cable.

Personal FM listening system

The Motiva PFM System 330 from Williams Sound is a high-quality personal listening system ideal for a variety of applications.

The system includes a PFM T36 FM Transmitter a PFM R33 receiver a MIC 090 lavaliere mic and an EAR 013 earphone. The T36 transmitter operates on a pair of AA batteries and uses FM radio technology to send audio to the receiver up to 150' away.

It has a mic input and a 3. 5mm mini aux input allowing you to connect a microphone MP3 player CD player and other devices. It has 16 selectable channels for interference-free operation and a simple on/off/mute button.

The removable belt clip makes it easy to clip to your clothing or slip into a pocket. The R33 receiver also operates on a pair of AA batteries and has a slim pocket able design. It has a standard 3. The system has a 5mm headphone jack to accept virtually any set of headphones. Has a simple on/off/volume control knob.

Audio interface/ converter mixer:

MOTU Microbook

The MicroBook turns your Mac or PC computer into a personal 4x2 recording studio with all the audio I/O and mixing you need for professional-quality recording and playback.

Plug in your mic, guitar and keyboard (or other instrument) and record up to four inputs simultaneously. You can even connect your iPod for rehearsing or sampling.

Mix your tracks with on-screen CueMix FX software and apply DSP-powered effects such as multi-band EQ and compression.

With professional analog stereo outputs, digital output, and stereo-mini output jacks for both headphones and desktop speakers, you can monitor your live audio and recorded tracks any way you like.

Edit and finalize your recording with the included AudioDesk software.

Wireless Audio Video Transmitter

Transmit composite video and one channel of
audio up to 400' in open space (line of sight)
Note does not go through concrete walls well.

Input and outputs are RCA jacks.

Cell Phone interface

Connect CellTap between the 2.5 mm earpiece jack of your cell phone and your earpiece or headset.

Now connect a tape recorder or powered speakers to the 3.5 mm mini
jack. This audio output contains a nice mix of both sides of the
conversation. CellTap works with any wireless phone that accepts a
third party headset or earpiece.

CellTap give you a quick and easy way to record telephone interviews
directly to your portable recorder or even directly to your computer
sound card to be uploaded to your podcast.

Group Listen - Simply connect a powered speaker to the audio output
jack and you will have a new conferencing capability. Everyone in the
room can hear your conversation, but only the person wearing the
headset can talk to the distant party.

While this is not a speakerphone, in many cases it more suitable for
sales presentations or contract talks.

CellTap must be used with an earpiece or headset. Your cell phone will
not recognize CellTap on its own.

Audio DI box

Mainly used to interface non balanced audio signals with professional sound gear, Think Performing Arts Center or Viking union sound systems and you want to connect your laptop audio output.

**Note Needs Phantom power from sound board.

A Smart DI for Sound Cards, AV Post and Electronic Media

The Radial JPC is a two-channel hybrid direct box designed to address the demand for interfacing computer sound cards, consumer electronics and other gear to professional sound systems. The JPC features two active 48V phantom powered channels in a compact, rugged enclosure. The JPC combines an active drive circuit, for long cable runs, with transformer isolated inputs to eliminate hum and buzz caused by ground loops.

Inputs: - 1/8" or 3.5mm-1/4"TRS- RCA
Outputs 2 XLR males

Hard drive DOCK for 2.5" drives

Connect any internal type 2.5" or 3.5" SATA I/II hard drive to a USB connection, includes a power supply with molex type connection. USB 2.0. is great for rescuing data when your computer doesn't start.

Hard drive interface: IDE /SATA to USB

Connect any internal type hard drive to a USB connection, includes a power supply with molex type connection. USB 2.0. is great for rescuing data when your computer doesn't start.

HDMI to component converter

It converts HDMI outputs to component analog and stereo audio. Use when your device needs to connect to monitors or projectors that don't support HDMI formats

Inputs: HDMI A female (formats supported are 480i/576i/576p/720p/1080i/1080p)

Outputs: Three RCA females Red green blue and RCA females for audio signals. These signals are also known as YPbPr.

HDMI to VGA converter

It converts HDMI outputs to VGA analog and stereo audio. Use when your device needs to connect to monitors or projector that don't support HDMI formats

Inputs: HDMI A female (formats supported are 480i/576i/576p/720p/1080i/1080p)

Outputs: 15 pin HD (VGA female) and RCA females for audio

Head Phone extender

It takes one headphone connection and allows up to eight individual listeners. Has 1/4'" jacks, if mini 3.5mm phones will be used please ask for adaptors.

Phantom power supply

Inline external 48 volt phantom power supply, use when a condenser type microphone or any other device is being used that requires this voltage and a mixer isn't available to provide it.

XLR male female connectors

Telephone handset TAP

Use when you need to get a good quality recording of a phone conversation

Connect the QuickTap IFB between your telephone and handset for quick access to audio from any telephone system.

Simply unplug the handset coily cord from the base of your telephone and plug it directly into the QuickTap IFB, then, using the supplied cable, connect the QuickTap IFB to the base of the telephone.

The 600 ohm male XLR lets you take audio from the phone line and route it into a mixer or headset amplifier. You can also plug an IFB earpiece directly into the 1/8" mini jack. However, keep in mind this is a passive box with a 600 ohm output; the earpiece should have impedance greater than 600 ohms to get usable output.

Both audio output jacks contain a nice mix of the audio coming from the phone line and the handset audio going into the phone. Any conversation over the handset is sent over both audio output jacks. Or you can leave the handset disconnected and just hear audio from the far end of the call.

The QuickTap IFB does not work with cellular telephones or any telephone with a keypad in the handset.

Scan converter UXGA to NTSC video

Kramer model VP-501xl

It converts computer monitor output to NTSC video, either composite or S-video.
Can be used to record computer outputs or convert for conferencing equipment etc…
Inputs; 15pin HD (VGA connector)
Outputs; RCA female or S-video female or BNC

USB digital and analog audio interface

Loan pool # EST-101

Interface for guitars and microphones into a USB connection.
It has digital and analog ins and outs.
USB bus Powered.
It is ideal for laptop computers. The power supply runs from the computer via USB cable. No need for AC adaptor. Connect your audio equipment to your Mac or PC with the UA-3D and just one USB cable!
2 Analog and Digital (Optical) In/Out
Guitar and microphone inputs

Features:
5.1 channels Surround, Dolby Digital output
Channels:

- 1 stereo record, 1 stereo playback. Full duplex

Signal Processing: AD/DA 16-bit
Sample Rate: Digital In 32/44.1/48 kHz **or** Digital Out 32/44.1/48 kHz
Frequency Response: 20 Hz to 20 kHz
Audio Driver Compatibility: MME

USB Preamp

 Allows you to connect XLR or ¼" TRS sound devices to your laptop. Battery or AC power provides Phantom power for condenser type microphones.

The USB DualPre from ART offers two channels of the sound quality that put ART on the map, and adds the convenience of USB to create a great bus-powered portable recording solution. Add a laptop, and you can capture your music anywhere the inspiration strikes. Not just a portable device, the USB DualPre is great for desktop operations as well, and offers plug-and-play compatibility with both Mac and Windows computers. Plus, you can power the USB DualPre via battery or the included power supply.

Monitoring

For monitoring, a 1/8-inch TRS mini headphone jack with level and monitor mix controls on the rear allow for latency free local monitoring of the inputs while recording as well as playback monitoring of the USB bus. The monitor mix is also routed to the 1/4-inch TRS balanced outputs. This lets you use the 1/4-inch outputs as either preamplifier outputs or as the monitor feed to your powered monitors.

Mac and Windows Compliant

The USB interface is fully compliant with the USB 1.1 specification and uses USB adaptive mode for playback and USB asynchronous mode for record.

VGA wireless transmitter

Connect a laptop to a projector without cables. Uses the laptop's wireless card to connect to this device and then this device is connected to a LCD projector. The Transmitter will act as a Gateway to the internet if a wired Ethernet connection is available at the transmitter. A small piece of software will need to be installed on the laptop from the transmitter in order for this to work, so make sure you have permissions on the laptop to install software. Laptop must have a wireless network card. MAC users will need to use a thumb drive with the needed software which we provide.

Dazzle video creator

Capture DVD-quality video from any camcorder, TV or VCR with Dazzle Digital Video Creator 150 (DVC150). The DVC150 has a high-speed USB 2.0 interface to the computer. The user-friendly Pinnacle Studio HD drag-and-drop interface makes it a breeze to create your own high-quality HD movies with music, montage themes, transitions, animations and effects.

Film to Video convertor

16mm film to composite Video and audio convertor, has a built in CCD camera, plays both magnetic and optical sound, output is BNC and RCA, Easy to load

Turntable

Turntable with 33 1/3 rpm and 45 rpm speeds, has built in preamp that is switchable, RCA output connectors, stereo.

Quick Guide

End.

Originally created by Ky Metsker, Summer 2011.

Updated and redesigned by Hung Le, Summer 2013