SFP
Film Option

Gear Book
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Policy information that people should know but often miss in the Checkout Agreement:

**How many weeks in advance can you reserve equipment?**:
- Sophomores - two weeks
- Juniors - three weeks
- Seniors - four weeks
- 1st Year Graduate - two weeks
- 2nd Year Graduate - four weeks
- 3rd Year + Graduate - three weeks

**Equipment Quantity Limits**:
- C-Stands: 6
- Arri Lighting Kits: 2 (one of each... Type 1 or 2 and Mini or Max)
- Kinos: 2
- Track(Straight/Curved): 3/2
- Scoops/Broads: 2 Total
- Extension Kits: 2
- C-Clamp Totas: 1
- Flag Kits: 2
- Sandbags: 15
- Light Discs: 1
- Light Meters: 1

**Checkout Hours**:
- Monday - Friday: 8am - 5pm

**Sound Theatre Hours**:
- Monday - Friday: 8am - 5pm
COMMON SENSE

Before diving into all of the more technical information about equipment, there are a few important “common sense” concerns that all students should take into account when preparing for and undertaking a shoot using Checkout’s gear.

- Read and understand your Checkout Agreement to avoid breaking policies and/or accruing fines.
- Do not leave equipment in a car, garage, outside or other cold places overnight. NEVER EVER leave anything electronic! If you do leave items such as C-Stands or Dolly Tracks in cold temperatures, condensation will form when they warm up which will rust the metal - you MUST wipe down these items with WD-40 to prevent this.
- When pulling any cable from a socket, pull from the end of the cable - not the cord - this will prevent the cord from weakening and eventually breaking.
- If you are unsure about the proper use of any piece of equipment, or have a problem during a shoot, do not hesitate to call Checkout: (406)994-6254. Consult before you act, not after!
- If equipment gets “stuck,” don’t force it, consult Checkout.
- If equipment breaks during your shoot, call Checkout as soon as possible so that work can begin on a solution to the problem as soon as possible.
- Do not leave gear unattended, keep track of everything you check out at all times.
- Return cables neatly wrapped and batteries fully charged.

CONTACT INFO

ADDRESS:
SFP EQUIPMENT CHECKOUT
Montana State University
Media & Theatre Arts
Visual Communications Building #214
P.O. Box 173350
Bozeman, MT 59717

PHONE:
Checkout Desk - (406)994-6254
Technology Coordinator - (406)994-6253
ADAPTERS

Non-Reservable
ADAPTERS

- BNC Barrel, Female
- BNC Female to RCA Male
- BNC Male to RCA Female
- BNC Male to RCA Male
- RCA Barrel, Female
- RCA Barrel, Male
- RCA Male to Double RCA Female
- 1/4in. Male to RCA Female
- 1/8in. Male to RCA Female
- 1/4in.-M to 1/4in.-F
- 1/4in. Male to 1/8in. Female (Mono)
- 1/4in. Female to RCA Male
- 1/4in. Male to 1/8in. Female (Stereo)
- 1/8in. Male to 1/4in. Female
- 1/8in. Male Stereo to Double 1/4in. Female
ADAPTERS

1/8in. Male Stereo to Double 1/8in. Female

BNC Female to Coaxial Male

RCA Female to Coaxial Female

RCA Male to Coaxial Female

BNC Male to Coaxial Female

XLR Barrel, Male

XLR-M to 1/4in. Female

XLR Barrel, Female

1/4in. M to Female XLR

1/4in. Female to Female XLR Adapter

XLR Extender

S-Video to RCA Male

1/8in. Headphone Splitter

1/8in. Three Way Headphone Splitter

XLR Splitter
ADAPTERS

- RCA Male to Double RCA Male
- RCA Female to Double RCA Male
- 1/4in. Male to Two RCA Female
- 1/8in. Female to Double RCA Male
- 1/4in. Female to Double RCA Male
- 1/8in. Male to Double RCA Male
Note:
Thunderbolt is the newest version of Apple's MiniDisplay Port. Thunderbolt is backward compatible so it can still be used to connect to DisplayPort devices; however, only the new port can be used to connect to Thunderbolt devices.

This means that while you can physically connect a Thunderbolt device to a Mac with DisplayPort, the device will not work, but if you connect a DisplayPort device to a Mac with Thunderbolt, then the device will work.
ADAPTERS

- HDMI female to Lightning male
- VGA female to ADC male
- VGA female to DVI male
- VGA to Mini VGA
- Mini DVI Male to DVI Female
- DVI Male to DVI Female
- VGA female to 30-pin male
- VGA female to Lightning male
The batteries shown here are rechargeable and provided by Checkout. Any non-rechargeable batteries (AA, etc) will not be provided.

Do not drop batteries, all of them are worth at least $100 apiece and break easily when dropped.
Banana and 4/5-Pin Battery Belt

**Kit Information:**
Volts: 12v/8v  
Charge Time: 10 - 12 hrs.

**Notes, Tips & Tricks**
- Used to power: 12 volt for Arri SR Series, and Video Tap, 8 volt for Arri S/E and Arri M  
- Never plug into equipment while attached to AC (wall) power.  
- Make sure that you have a cable that will adapt the correct output to your device.

5-Pin Battery Belt

**Kit Information:**
Volts: 12v  
Charge Time: 10 - 12 hrs.

**Notes, Tips & Tricks**
- Used to power: 12 volt for Arri SR Series, and Video Tap, 8 volt for Arri S/E and Arri M  
- Never plug into equipment while attached to AC (wall) power.  
- Make sure that you have a cable that will adapt 5-pin output to your device.

Canon S-12 Internal Battery

**Kit Information:**
Volts: 12v  
Charge Time: 4 - 6 hrs.

**Notes, Tips & Tricks**
- Used to power Canon Scoopic (Internal.)  
- Make sure you check that these batteries hold a charge before leaving checkout, as many of them are old.  
- DO NOT check these batteries with a voltmeter, it will burn them out.
BATTERIES

Panasonic Medium Battery

Kit Information:
Volts: 7.2v
Charge Time: 3 - 4 hrs.

Notes, Tips & Tricks
• Used to power Panasonic HVX-200, and Panasonic DVX-100

Panasonic Large Battery

Kit Information:
Volts: 7.2v
Charge Time: 4 - 5 hrs.

Notes, Tips & Tricks
• Used to power Panasonic HVX-200, and Panasonic DVX-100

Scoopic External Battery

Kit Information:
Volts: 12v
Charge Time: 8 - 10 hrs.

Notes, Tips & Tricks
• Used to power any 12-volt device, including Canon Scoopics.

Sony L-Series Small Battery

Kit Information:
Volts: 7.2v
Charge Time: 3 - 4 hrs.

Notes, Tips & Tricks
• Used to power Sony PD-150, PD-170, HVR-V1U and HVR Z1U. Can also power the Sound Devices 722 and 702 hard disc recorders.
### Sony V-Mount Battery

**Kit Information:**
- **Volts:** 14.4
- **Model:** BP-L60A

**Notes, Tips & Tricks**
- Used to power Monitors.

### Sony L-Series Large Battery

**Kit Information:**
- **Volts:** 12v

**Notes, Tips & Tricks**
- Used to power Sony PD-150, PD-170, HVR-V1U and HVR Z1U. Can also power the Sound Devices 722 and 702 recorders.

### Canon Li-Ion C100 Battery

**Kit Information:**
- **Volts:** 7.4v

**Notes, Tips & Tricks**
- Used to power Canon C100

### Canon C100 AC Power

**Notes, Tips & Tricks**
- Used to power Canon C100

### Dracast V-Mount Battery for Cion

**Volts:** 14.8  
**Model:** DS-90S  
**Notes, Tips & Tricks**
- Used to power AJA Cion
Types of USB

**DO**
- USB 2.0 Type A Plug
- USB 2.0 Type A Jack
- USB 2.0 Type B Plug
- USB 2.0 Type B Jack
- USB 2.0 Mini Type B Plug (4 Position)
- USB 2.0 Mini Type B Jack (5 Position)

**DO NOT**
- USB 3.0 Type A Plug
- USB 3.0 Type A Jack
- USB 3.0 Type B Plug
- USB 3.0 Type B Jack
- USB 3.0 Micro Type B Plug
- USB 3.0 Micro Type B Jack
4 to 6 Pin Firewire 400

**Common Uses:**
- Deck to computer connection. Plug into deck first, computer should not be turned on until after firewire is attached.
- Attached to decks in the NLE.

6 to 6 Pin Firewire 400

**Common Uses:**
- Hard drive connection to computer.

4 to 4 Pin Firewire 400

**Common Uses:**
- Connection of camera to other 4-pin device.

Firewire 800

**Common Uses:**
- Hard drive connection to computer (9-pin) - faster than Firewire 400.

eSATA Cable

**Common Uses:**
- Really fast (3GB/s) connection.
- Work on specific lab computers.
CABLES

Single RCA Cable

**Common Uses:**
- Audio or video connection - all purpose.

Double RCA Cable

**Common Uses:**
- Generally used for audio connection, but could also be used for video connection.

Triple RCA Cable

**Common Uses:**
- Audio and video connection - all purpose. Could double as a component cable in a pinch, but might produce inferior images under such circumstances.

1/8in. TRS to Double RCA Cable

**Common Uses:**
- Audio connection - device to receiver (ex. iPod to mixer.)

1/8in TRS to Triple RCA Cable

**Common Uses:**
- Audio and video source to RCA receiver. (ex. Camera to monitor.)
4 to 4 Pin Power Cable

**Common Uses:**
- Used to adapt power for 12 volt devices from a battery belt. Make sure you know how many pins the belt and device have so that you get the correct cable.

4 to 5 Pin Power Cable

**Common Uses:**
- Used to adapt power for 12 volt devices from a battery belt. Make sure you know how many pins the belt and device have so that you get the correct cable.

3 Pin IEC Power Cable

**Common Uses:**
- Most common power connector, used for computers, monitors, hard drives, etc.

BNC Cable

**Common Uses:**
- Video and audio connection.

**Special Notes:**
- 75 ohm.
- They vary in length, get the size you need.

Component Video Cable

**Common Uses:**
- For higher quality (professional, HD) video sources, essentially the same as a three way RCA cord, but meant to transfer red-green-blue information instead of audio-video.
CABLES

DVI Cable
Common Uses:
- Connection of (Mac) computers to monitors.

DVI to HDMI Cable
Common Uses:
- Connection of (Mac) computers to digital TV or projector.

HDMI Cable
Common Uses:
- Connection of HD sources. Can now also transmit audio on newer devices.

HDMI to HDMI Mini Cable
Common Uses:
- Connection of HD sources. Can now also transmit audio on newer devices.

S-Video Cable
Common Uses:
- Video connection-slightly higher quality than single RCA video connection because red, green, blue and luminance channels are separated onto individual pins.
VHF “F” Coaxial Cable

**Common Uses:**
- Television connection. The ends can be adapted to act as many different types of cable.

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Ethernet Cable

**Common Uses:**
- Internet/Network connection.

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Mini USB-B to USB-A 2.0 Cable

**Common Uses:**
- Connection of various devices to a computer.

---

USB 2.0 Type A Extension Cable

**Common Uses:**
- Extending the reach of USB connections to various devices.

---

USB 2.0 Cable

**Common Uses:**
- Printer connection, HVX dump drive to computer (included in HVX kit), hard drive connection.
- Speed equivalent to firewire 400 if attached to USB 2.0 capable port.
CABLES

**USB-A 3.0 Cable**
*Common Uses:*
- Connection of various devices to a computer.

Capable of transferring data at up to 5 Gbit/s – more than ten times as fast as the 480 Mbit/s top speed of USB 2.0. The “SS” symbol on the ends stand for SuperSpeed.

**USB-A 3.0 to USB 3.0 Micro B mini Cable**
*Common Uses:*
- Connection of various devices to a computer.

**VGA to Component Cable**
*Common Uses:*
- Connection of (Windows) computer to video receiver.

Cannot convert analog signal to digital.

**Thunderbolt Cable**
*Common Uses:*
- Connection of various devices to Thunderbolt equipped Apple computers.

**1/4in. Male to XLR Male**
1/4in. Male to XLR Female

RCA Male to XLR Female

1/8in. Male to XLR Female

Duplex Cable

*Common Uses:
- Running sound signal from boom microphone to recorder and from recorder to operator’s headphones simultaneously.

1/4in. Male to 1/4in. Female

*Common Uses:
- 1/4” headphone extension for on-set sound.
- Most commonly used with DAT recorder.
CABLES

1/4in. Cable

Common Uses:
- 1/4” audio device connection.

1/8in. Cable

Common Uses:
- Audio source to audio input.
  (ex. Laptop to auxillary, iPod to whatever.)

XLR Cable

Common Uses:
- Connection of microphones to audio recording devices. Lengths vary.

Mini XLR Male to XLR Female

RCA Male to XLR Male
Types of Apple Power Connectors

- Apple 30-pin
- L-Style
- T-Style
NeVeR use a video camera as a deck. It wears out the head and would eventually make the camera unusable.

All lenses should be returned with aperture wide open.

Turn cameras off before changing the tape.

Cameras usually come with a UV filter attached to protect the lens. Make sure it is there when you pick up the camera. If you take it off, put it back on before you return the camera.

Do not leave the tripod plate attached to the camera when returning.
**Arriflex M**

**Kit Information:**

- **Aspect Ratio:** 1.33:1 (4:3)
- **Lenses:** Angenieux 12-120mm - T2.1 (Takes 72mm Filters)
- **Lens Mount:** Arri Standard Bayonet
- **Accessories:** 72mm Filters, Intervalometer, Arri Shoulder Mount
- **Tripods to Use:** Cartoni C 20 S Tripod, Bogen 3066, Bogen 3066 Baby Legs, Bogen 510
- **Necessary Tripod Screw Size:** 3/8-16"
- **Format:** 16mm, B-wind - Single or Double perf.
- **Kit Weight:** 14.5
- **Power:** 8V only, 3-pin to banana

**Notes, Tips & Tricks:**

- Attach *only one* lens at a time!
- This camera does not take daylight spools.
- When you put in a new motor, watch for the notch near the bottom that allows the motor to slide fully into the camera body.
- Be careful not to misplace the cap that comes off of the camera body when attaching a mag to the camera.
- Each of the three turret mounts on the front of the camera has a cap as well. Don't lose these, either.
- Similar to the Arriflex S/B.
- Can be ramped with variable-speed motor.
- Must be loaded in changing bag or absolute darkness.
- Compatible with 4 1/2 Filter Set. (Pg. 51)

**Middle Right:** The Arri M Kit includes 4 Magazines.

**Bottom Right:** The Arri M kit comes with only one lens, the Angenieux 12-120mm zoom, which takes 72mm filters.

**Right:** The Arri M requires a 3-pin power cable. This can be adapted to 4 or 5 pins with appropriate cable (included in kit.).
**Kit IDs:** S1, S2  

**Kit Contents:**  
- 10mm Lens: Yes  
- 12-120mm Zoom Lens: Yes  
- 17.5mm Lens: -  
- 25mm Lens: Yes  
- 4cm Kilar Macro Lens: Yes  
- 50mm Lens: Yes  
- 5.9mm Wide Angle Lens: -  
- 75mm Lens: -  
- Camera Body: Yes  
- Core Adapter: Yes  
- Core Adapter: Yes  
- Mag: Yes  
- Matte Box: Yes  
- Matte Box Filter Frame: Yes  
- 24fps Motor: Yes  
- ND3 Filter: Yes  
- ND6 Filter: Yes  
- ND9 Filter: Yes  
- Power Cord: Yes  
- Variable Motor: Yes

**Kit Information:**  
*Aspect Ratio:* 1.33:1 (4:3)  
*Lenses:* Angenieux 12-120mm - T2.1  
(Takes 72mm Filters)  
Schneider-Kreuznach 10mm – T1.8  
Schneider-Kreuznach 25mm – T1.4  
Schneider-Kreuznach 50mm – T2  
Kilar Macro 4cm – T2.8  

*Lens Mount:* Arri Standard Bayonet  
*Accessories:* Intervalometer, Arri Shoulder Mount,  
2x2 Lens Filters  

*Tripods to Use:* Cartoni C 20 S Tripod, Bogen 3066  
Bogen 3066 Baby Legs, Bogen 510  

*necessary Tripod Screw Size:* 3/8-16”  
*Format:* 16mm, B-wind - Single or Double perf.  
*Kit Weight:* 47  
*Power:* 8V only, F-banana to M-banana

**Notes, Tips & Tricks:**  
- Attach only one lens at a time!  
- When you put in a new motor, watch for the notch near the bottom that allows the motor to slide fully into the camera body.  
- Don’t misplace the cap that comes off when you attach a mag onto the body.  
- The turret mounts on the front of the camera each has a cap, don’t lose these either.  
- When using the 400ft mag, the eyepiece is difficult to look through.  
- Make sure to set the film in the gate and then set the claw before closing the pressure plate.  
- Once the film is threaded through the rollers, make sure they are pressed against the film, this will keep the film registered within the sprocket holes.  
- This camera can be used with daylight spools.  
- Similar to the Arriflex M.  
- Compatible with 4 1/2 Filter Set. (Pg. 51)
Arriflex 16 SR 1

Kit Information:
Aspect Ratio: 1.33:1 (4:3)
Lenses: Angenieux 10-150mm T2.3, Zeiss 9.5mm T1.2,
Zeiss 12mm T1.2, Zeiss 16mm T1.2,
Zeiss 25mm T1.2, Kinoptik 5.7mm T1.8
Lens Mount: Arri Standard Bayonet
Accessories: Rain/Snow Cover
Tripods to Use: Cartoni C 20 S Tripod
Bogen 3066 Tripod
Bogen 3066 Baby Legs Tripod
Bogen 510 Tripod
 Necessary Tripod Screw: 3/8-16”
Format: 16mm, B-wind - Single or Double Perf.
Kit Weight: 45.5

Notes, Tips & Tricks:
• This camera does not take daylight spools
• Must be loaded in changing bag or absolute darkness!
• Make sure that the Arri Standard Baymount is fully locked when attaching lenses.
• Can use battery belts with correct cable (4 or 5 Pin)
• DO NOT ramp speeds or go over 60 fps.
• Make sure to return all core adapters.
• For loop size 2 1/2 perfs on either side of mag pressure plate
• Batteries DO NOT come pre-charged

Reservable Item

Kit ID: SR1
Kit Contents:
10-150 Angen. 12-120 Lens Adapter
9.5mm to 5.6mm Lens Adapter
300mm Lens
300mm Pelican Case
80A Filter
85 Filter
Battery
Battery Charger
Camera Body
Core Adapter
Core Adapter
Core Adapter
Core Adapter
Eyeiece
FLB Filter
FLD Filter
Fish Eye 12mm Lens
Haze Filter
Lens Adapter
Mag
Mag
Mag Cover
Matte Box
Matte Box Fork
Matte Box Pelican Case
Matte Box Rail
ND 0.3 Filter
ND 0.6 Filter
ND 0.9 Filter
On-Board Battery Adapter
Pelican Case
Polarizer Filter
Prime 12mm Lens
Prime 16mm Lens
Prime 25mm Lens
Prime 5.7mm Lens
Prime 9.5mm Lens
Prime Lens Pelican Case
Speed Control
T1.3/16/25 Lens Adapter
T1.3/9.5/12 Lens Adapter
Trigger Grip
Zoom Lens 10-150mm
Zoom Lens Stick

Above: The trigger grip, which is capable of starting and stopping the camera, helping to support and smooth movement.

Above: The zoom bar, which makes changing lens length on the variable easier, especially in the case of a snap-zoom.
**Kit ID:** SR2-A  
**Kit Contents:**
- 12mm Prime Lens
- 16mm Prime Lens
- 25mm Prime Lens
- 9.5mm Prime Lens
- Arri Tach
- Battery
- Battery Charger
- Battery Power Adapter
- Cam Throat Plate
- Camera Body
- Core Adapter
- Core Adapter
- Core Adapter
- Core Adapter Bag
- Filter 138 MM Polarizer
- Filter 4x4 80A
- Filter 4x4 85
- Filter 4x4 FLB
- Filter 4x4 FLF
- Filter Holder
- Filter Holder
- Filter ND3
- Filter ND6
- Filter ND9
- Filter Pelican Case
- Filter UV Haze 1
- Follow Focus
- Follow Focus Rod Guide
- Follow Focus Case
- Follow Focus Hand Crank
- Follow Focus Whip
- French Flag / Eyebrow
- Long Rod
- Long Rod
- Mag
- Mag
- Mag Cover
- Mag Cover
- Matte Box
- Matte Box Small Rod
- Matte Box Rod
- Matte Box Small Rod
- Motor Zoom Control
- Pelican Case
- Polarizer Filter Holder
- Prime Lens Case
- Super 16 Zoom Lens
- Trigger Grip
- Zoom Lens Cap

---

**Kit Information:**

- **Aspect Ratio:** 1.78:1 (16:9)
- **Lenses:**
  - Zeiss 11-110mm T2.2
  - Zeiss 9.5mm T1.2
  - Zeiss 12mm T1.2
  - Zeiss 16mm T1.2
  - Zeiss 25mm T1.2
- **Lens Mount:** Arri PL Mount
- **Accessories:** Rain/Snow Cover, Video Tap, Changing Bag
- **Tripods to Use:**
  - Cartoni C 20 S Tripod
  - Bogen 3066 Tripod
  - Bogen 3066 Baby Legs
  - Bogen 510 Tripod
- **Necessary Tripod Screw Size:** 3/8-16”
- **Format:** Super 16mm, B-wind - Only Single perf.
- **Kit Weight:** Box 1-57lbs.

**Notes, Tips & Tricks:**

- This camera does not take daylight spools!
- Must be loaded in absolute darkness.
- Make sure PL-mount is fully locked when attaching lenses.
- Make sure to return all core adapters.
- Can use battery belts with correct cable (4 or 5 Pin)
- Can ramp speeds.
- For loop size 2 1/2 perfs on either side of mag pressure plate
- No video tap
- No clamshell in viewfinder to block out light
- Batteries DO NOT come pre-charged.
Arriflex 16 SR 2-B (or not to be)

Reservable Item

Kit ID: SR2-B
Kit Contents:
1.8/10-100 Zoom Lens
12mm Prime Lens
16mm Prime Lens
25mm Prime Lens
28 Hard Matte
32 Hard Matte
35/40 Hard Matte
50 Hard Matte
75 Hard Matte
80A Filter
85 Filter
Battery
Battery Adapter
Battery Charger
Camera Body
Camera Pelican Case
Core Adapter
Core Adapter
Core Adapter
Core Adapter Bag
FLB Filter
FLD Filter
Follow Focus Control
Haze Filter
Mag
Mag
Mag Cover
Matte Box
Matte Box Double Rod
Matte Box Pelican Case
Matte Box Rod
Matte Box Rod Guide
ND3 Filter
ND6 Filter
ND9 Filter
Polarizer Filter
Prime Lens Box
Small Hard Matte
Speed Control
Trigger Grip
Throat Plate Cover

Kit Information:
Aspect Ratio: 1.78:1 (16:9)
Lenses: Zeiss 12-120mm T2.4
Zeiss 12mm T1.2
Zeiss 16mm T1.2
Zeiss 25mm T1.2
Lens Mount: Arri PL Mount
Accessories: Rain/Snow Cover, Video Tap, Changing Bag
Tripods to Use: Cartoni C 20 S Tripod
Bogen 3066 Tripod
Bogen 3066 Baby Legs
Bogen 510
Necessary Tripod Screw Size: 3/8-16”
Format: Super 16mm, B-wind Single or Double Perf.
Kit Weight: Camera Box-57lbs, Prime Kit Box 2- 12.5lbs, Matte Box- 17.5 lbs,
Zoom Lens Box, 7.5 lbs.

Notes, Tips & Tricks:
• Does not take daylight spools.
• Must be loaded in absolute darkness.
• Make sure PL-mount is fully locked when attaching lenses.
• Make sure to return all core adapters.
• Can use battery belts with correct cable (4 or 5 Pin). Kit comes with batteries.
• Cannot be ramped and do not exceed 60 fps.
• For better results, when using follow-focus, make sure you have tension on
  the pulley before starting a pull.
• For loop size 2 1/2 perfs on either side of mag pressure plate
• Batteries DO NOT come pre-charged

Above: SR2-B With matte box and zoom lens attached, extra battery, battery charger, pistol grip and follow focus shown next to the camera.

Right: The lenses for the SR2-B. This kit comes with a 12mm, 16mm, 25mm and a 12-120 zoom lens.
Bolex H-16 Rex-4

Kit ID: BX
Kit Contents:
- Camera Body
- Case
- Lens Case
- Lens Filters # 01
- Lens Filters # 02
- Matte Box
- Nikon Lens Adaptor
- Prime Lens 10mm
- Prime Lens 15mm
- Prime Lens 25mm
- Prime Lens 50mm
- Prime Lens 75mm
- Prime Lens Macro 26mm
- Prime Lens Macro 75mm
- Zoom Lens 17-85mm
- Zoom Lens 17-85mm Lens Shade
- Zoom Lens 18-86mm
- Zoom Lens 18-86mm Lens Cap
- Zoom Lens 18-86mm Lens Shade
- Zoom Lens 25-100mm

Kit Information:
Aspect Ratio: 1.33:1 (4:3)
Lenses: Kern-Pollard 18-86mm T2.5, Som 17-85mm T3.8, Canon 25-100mm T1.8, Switar 10mm T1.6, Soligor 15mm T1.9, Switar 25mm T1.4, MacroSwitar 26mm T1.1, Canon 50mm T1.8, Macro Switar 75mm T1.9, Soligor 75mm T1.9
Lens Mount: C Mount
Tripods to Use: Bogen 3066 Tripod
- Bogen 3066 Baby Legs
- Peter Lisand Tripod
- Bogen 510
Necessary Tripod Screw Size: 3/8-16” or 1/4-20”
Format: 16mm, B-wind - Single or Double Perf.
Kit Weight: Camera Box (1)- 25.5lbs, Lens Box (2), 11lbs.

Notes, Tips & Tricks:
- This is a wind up camera, it does not need a battery.
- While winding, do not overcrank.
- Can be used with daylight spools.
- Use only one lens at a time!
Canon Scoopic

Kit Information:
Aspect Ratio: 1.33:1 (4:3)
Lenses: (Built-in) Canon C-16 Zoom 12.5-75mm T2.5
Tripods to Use: Bogen 3066 Tripod
            Cartoni Alfa-II
            Peter Lisand Tripod
Necessary Tripod Screw Size: 3/8-16” or 1/4-20”
Format: 16mm, B-wind - Single or Double Perf.
Kit Weight: Box 1 - 17.5lbs

Notes, Tips & Tricks:
• Takes daylight spools.
• It is not necessary to load this camera in total darkness, however, use included duvetyn to block light.
• NEVER use external and internal batteries at the same time.
• Do not trust the internal light-meter.
• Fixed lens camera, do not try to remove.
• Do not ramp speeds!
• Takes 72mm filters. (Pgs. 55-57)
• DO NOT check internal batteries with a voltmeter.

Reservable Item
Kit ID: Scoopic #1 - 10
Kit Contents:
Camera Body
Power Cord
Daylight Core
Case

Above: The Scoopic speed dial. The Scoopic can shoot up to 64 frames per second, but it cannot be ramped.

Above: Power cord for the Scoopic, a 5 pin power cable (which can attach to an external Scoopic battery or battery belt) to a camera specific 4 pin connection.
Kit Information:

Aspect Ratio: 16:9
Sensor: Super 35mm 8.3MP CMOS Sensor
Lenses: EF Mount
  - Canon 24-105mm 1:4 L
  - Canon 100-400mm 1:4.5-5.6 L IS II
Camera Weight: 4 lbs (without lenses)
Necessary Tripod Screw Size: 3/8-16” or 1/4-20”
Format: AVCHD
Compression: MPEG-4, AVC/H.264
Kit Weight: 21.5 lbs
Inputs:
  - XLR (x2)
  - 3.5mm Microphone Jack (x1)
  - High Speed Mini-B USB (input/output x1)
Outputs:
  - HDMI (Type A x1)
  - 3.5mm Headphone mini-jack (x1)
  - High Speed Mini-B USB (input/output x1)
Signal: NTSC and PAL
Recording Media: Dual SDHC/SDXC Memory Card Slots
Kit ID: GoPro

Kit Contents:
- 3-Way Pivot Arm
- BacPac Housing
- BacPac LCD Touch
- BacPac LCD Touch Case
- BacPac Screw
- BacPac Skeleton Backdoor
- Backpack Standard Backdoor
- Battery x2
- Battery Charger
- Battery Cover
- Camera
- Flex Jaws Clamp
- Flex Jaws Mount
- Flex Jaws Neck
- Flex Jaws Screw
- Micro HDMI to HDMI Cable
- Mounting Clip
- Mounting Clip
- Operating Manual
- Pelican Case
- Remote
- Remote Charger
- Remote Keychain
- Screw
- SD Card
- SD Card Case
- Skeleton Backdoor
- Small Screw x2
- Small Screw Mount x2
- Standard Housing
- USB to Mini USB Cable
- Waterproof Backdoor
- White Clip Lock

Kit Information:
- Aspect Ratio: 16:9
- Video Resolution: Up to Full HD (16:9): 1920 x 1080p at 60 fps
- Photo Resolution: Up to 10MP (3680 x 2760)
- Sensor: Super Low-light image sensor
- Lenses: Fixed: f/2.8 lens
- Codec: H.264
- Format: MP4 Kit
- Kit Weight: 6 lbs
- Interfaces: Micro-HDMI x 1
  - Mini-USB port x 1
- Signal: NTSC and PAL
- Recording Media: MicroSD card slot x 1 (Class 10 memory card required)
  - MicroSD card slot (up to 64GB cards)
Sony CX 160 / 1st Year Kit

**Kit Information:**
*Aspect Ratio(s):* 16:9, 4:3  
*Lenses:* Built-in  
*Tripods to Use:* Libtec  
*Necessary Tripod Screw Size:* 1/4-20  
*Format:* AVCHD - NTSC  
*Kit Weight:* 2.5lbs

**Notes, Tips & Tricks:**
- Our NLE does not accept 60P...you MUST shoot in 60i  
- Focus assist doesn’t work very well in wide, you should zoom in, focus, and zoom back out.  
- Auto intelligence sort of sucks ... you have to turn it off in order to change anything to manual.

**Reservable Item**

**Kit IDs:** CX 160  
**Kit Contents:**
- Camera Body  
- Battery  
- Battery  
- Battery Charger  
- AC Adaptor & power cord  
- Component A/V Cable  
- A/V Connecting Cable  
- USB Extension Cable  
- S-Hook/Sandbag Holder  
- Car Power Adaptor  
- Manual  
- Grey Card  
- Pelican Case

**Left:** The Sony CX 160 with its LCD screen open.

**Reservable Item**

**Kit IDs:** CX 160  
**Libtec Tripod**  
**Tripod Plate**  
**Tripod Plate Screws (2)**  
**Tripod Bag**  
**Sandbag**

**Left:** The CX 160 in its case.

**Left:** Tripod and sandbag included in first-year kit.
Panasonic HVX200 HD

Kit IDs: HVX 3 & 4

**Kit Contents:**
- Battery Charger
- Camera Body
- Component Cable
- Lens Cap
- P2 Card 1
- P2 Card 2
- P2 Store Manual
- Pelican Case
- Power Adapter
- Power Cord
- Remote Control
- Silica Gel Pack
- USB 2.0 Cable

**Reservable Item**

**Kit Information:**
- **Aspect Ratio:** 1.33:1 (4:3), 1.85:1 (16:9)
- **Lens:** Fixed 4.2 to 55mm
- **Frame Rate:** 24p, 24pa, 30p or 60i
- **Frame Resolution:** 480i, 720p or 1080i
- **Record Medium:** 8GB P2 Cards, Mini DV Tape (Panasonic)
- **Tripods to Use:** Cartoni Alfa II
  - Bogen 3066, Miller Cartoni, Vinten
  - Bogen 3066 Baby Legs
  - Peter Lisand
  - Bogen 510
- **Necessary Tripod Screw Size:** 1/4-20”
- **Format:** HD P2 Cards, Mini DV
- **CCD Size:** 1/3” 3XCCD
- **Kit Weight:**

**Notes, Tips & Tricks:**
- Use only Panasonic DV tapes.
- Do not lose XLR covers.
- Always have P2 cards in the case, camera or dump drive.
- Battery mounts are fragile and expensive, be careful.
- Component cable connection is fragile and finicky, must be supported.
- For more information about the functionality of the HVX, check out the HVX user’s manual (available at Checkout.)
- Contains two built-in ND filters, 1/8 = 1 stop, 1/64 = 2 stops.
- If you feel resistance when changing focal length manually, the servo is engaged, flip the switch on the side of the camera from A (Auto) to M (Manual.)

Above: The dump drive, stores up to 60GB of footage. Each of the HVX-200 HD kits come with two P2 storage cards. It must be on a stable, level surface while dumping or it may lose footage!
Panasonic AF100

Kit Information:
Aspect Ratio(s): 16:9
Lenses: SD Lenses, Nikon lens kit - Vivtar lens kit (separate kits)
Lens Mount: Panasonic Lens mount
Accessories: Nikon lens kit - Vivtar lens kit - AF100 Follow Focus kit
Tripods to Use: Bogen Manfrotto
Cartoni Beta
Miller-Cartoni
Vinten
Glide Cam

Necessary Tripod Screw Size: 1/4 20
Formats: AVCHD - AVCCAM
CCD Size: Micro 4/3
Kit Weight: 15lbs

Notes, Tips & Tricks:
• In order to use the XLR inputs you must remove the XLR covers. These covers do not attach to the camera, so make sure you do not lose them.
• The AF100 has a micro 4/3 (MFT) mount. In order to use the Nikon lenses that come in the separate kits, you need to use the Nikon adapter that comes in the kit. This will give you a lens factor of
AJA Cion Compact Prime (CP)

**Kit ID:** Cion Compact Prime Kit (CP)

**Kit Contents:**
- 125v Power cable
- 1/4 20 Screw
- 3/8 16 Screw
- 4x5.650 Filter Tray x2
- 4x5.650 Filter Tray Rack
- AC Adapter
- Accessory Bag
- Adjustable Base Plate
- Alley Key
- Battery Charger
- Body Cap
- Building Guide
- Camera Body
- Follow Focus
- Follow Focus Marker
- French Flag
- 21mm lens
- 35mm Lens
- 50mm Lens
- 85mm Lens
- Lans Cap x4
- Matte Box
- Pelican Case
- Rear Cap x4
- Remote
- Rod - long 15mm x2
- Rod - Short 15mm x2
- Rubber Bellow
- SD Card
- Whip

**Kit Information:**
- Sensor: 22.5 x 11.9 mm (4K APS-C sized)
- Lenses: Zeiss Compact Prime
- Lens Mount: Nikon Lens mount
- Tripods to Use: Bogen Manfrotto
  - Bogen 3066
  - Miller-Cartoni
  - Sachtler
- Formats: DCI 4K, Ultra HD, 2K, 1080P, 1080i
- Recording Media: AJA Pak Media
- Outputs: 4 x 3G/HD-SDI
  - 2 x 3G/HD-SDI Monitor
- Outputs
  - 1 x HDMI 1.3 output
  - 1 x HDMI 1.4 output
  - 1 x Headphone jack
- Camera Weight: 14 lbs (without lens)
- Kit Weight: 60 lbs

**Lens Information:**
- Focal Length: 85mm, 50mm, 35mm, 21mm
- Aperture: F 2.1
  - (85mm, 50mm, 35mm)
  - F 2.9 (21mm)
- Filter Size: 110mm
- Lens Mount: EF

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A Zeiss CP lens

Sidefinder and HD Monitor
Panasonic HPX-600 (with/without Sticks)

**Reservable Item**

**Kit ID:** Panasonic HPX-600  
**Kit Contents:**  
- A/V to RCA Cable  
- AC Adapter  
- 125v Power Cable  
- Camera Body  
- Hard Case  
- Micro P2 Card  
- P2 Card Adaptor  
- P2 Card Case  
- Quick Release Plate VCT-U14  
- Sensor Cap  
- Shotgun Mic  
- Shoulder Strap  
- USB 3.0 Card Reader  
- USB 3.0 Card Reader Cable  
- User Manual  
- Viewfinder  
- V-Mount Battery Adaptor  
- V-Mount Charger  
  
  **With Sticks:**  
  - Satchler Pan Handle  
  - Satchler Tripod Case  
  - Satchler Tripod Legs  
  - Satchler Tripod Quick Release Plate  
  - Satchler Tipod Spreaders

**Kit Information:**  
**Sensor:** 2/3” MOS  
**Aspect Ratio(s):** 16:9  
**Tripods to Use:** Satchler  
**Necessary Tripod Screw Size:** 1/4-20  
**Audio Formats:**  
- PCM Digital, 48KHz/16 bit  
- 4CH (AVC-Intra 100/50, DVCPRO HD, DVCPRO50)  
- 2CH/4CH selectable (DVCPRO, DV)  
**Video Formats:**  
- AVC-Intra 100/50, DVCPRO HD, DVCPRO 50, DVCPRO 25, DV  
- 1080/720 switchable, including 24p (23.98pN)  
- 50Hz/59.94Hz switchable (PAL/NTSC)  
**Recording Medium:** P2 card

Lens not included in kit.
Sony HVR-V1U

**Kit Information:**
- **Aspect Ratio(s):** 16:9, 4:3
- **Lenses:** Fixed mm - mm 62mm Diameter.
- **Accessories:** Varizoom Control, Doublers, Diopters
- **Tripods to Use:** Bogen-Manfrotto
  - Cartoni Beta
  - Glidecam
  - Miller-Cartoni
  - Vinten
- **Necessary Tripod Screw Size:** 1/4-20
- **Formats:** 1080i HDV, MiniDV, DVCAM
- **CCD Size:**
- **Kit Weight:** 12.5 lbs.

**Notes, Tips & Tricks:**
- Shoots at high speeds, but image quality decreases as drive speed increases.
- Needs BNC to RCA adapter for use with HD monitors.
- You must be shooting in DVCAM mode in order to record a different audio rate.
- Kits 4 and 5 do not come with a rain cover.
- The camera has a CMOS chip, not a CCD.
Kit ID: A1U
Kit Contents:
- A/V Connecting Cable
- AC Adapter
- Battery NP-FM50
- Battery NP-FM50
- Battery NP-FM50
- Battery Charger
- Battery Charger Car Adapter
- Component Cable
- Camera Body
- Lens Hood
- Memory Stick & Adapter
- On-board Mic
- Pelican Case
- Power Cord
- Remote
- Silica Gel Pack
- USB Cable
- UV Filter
- XLR Adapter Shoe Mount

Reservable Item
Only for use with Amphibico Housing unless otherwise approved

Kit Information:
Aspect Ratio(s): 16:9
Lenses: Fixed 41mm - 410mm
Accessories: Amphibico Underwater Housing
Tripods to Use: Bogen Manfrotto
- Cartoni Beta
- Glidecam
- Miller-Cartoni
- Vinten
Necessary Tripod Screw Size: 1/4 20
Formats: HDV - 1080/60i, MiniDV - NTSC
CCD Size:
Kit Weight: 15.5 lbs.

Notes, Tips & Tricks:
- This camera is specifically for use with the underwater housing, it may be checked out separately but you must make a special reservation.
- Has infrared “Night Shot” mode.
- Batteries are Kit specific and included.
- Lens hood has a special method of attachment. Ask at Checkout.
Sony HVR-Z1U

Kit Information:
Aspect Ratio(s): 16:9
Lenses: Built-in 4.5mm - 54mm
Accessories: Amphibico Underwater Housing, Varizoom Control
Tripods to Use: Bogen Manfrotto
  - Cartoni Beta
  - Glidecam
  - Miller-Cartoni
  - Vinten Tripod
Necessary Tripod Screw Size: 1/4 20
Formats: HDV - 1080/60i, 1080/50i, MiniDV - NTSC
CCD Size:
Kit Weight: 22.5 lbs.

Notes, Tips & Tricks:
- This camera is specifically for use with the underwater housing, it may be checked out separately but you must make a special reservation.
Sony PD-170

**Reservable Item**

**Kit Information:**
*Aspect Ratio(s):* 16:9, 4:3
*Lenses:* Fixed Lens
*Lens Mount:* 2/3” Bayonet
*Accessories:* Varizoom Control, Diopters, Doublers, Underwater Housing
*Tripods to Use:* Bogen-Manfrotto
  - Cartoni Beta
  - Glidecam
  - Miller-Cartoni
  - Vinten
*Necessary Tripod Screw Size:* 1/4-20
*Formats:* MiniDV, DVCAM
*CCD Size:* 1/3 inch, 3x CCD
*Kit Weight:* 12.5 lbs

**Notes, Tips & Tricks:**
- Has zoom control on lens hood, a better lens hood and better audio than the PD-150.
- The LCD screen is color and the eyepiece is black and white.
- Important Audio Information: When set to CH1, both XLR inputs operate independently. When CH1 and CH2 are selected, only CH1 is used and the audio from CH1 is duplicated onto CH2.

**Kit ID:** PD170#1 - 9

**Kit Contents:**
- Camera Body
- AC Battery Attachment
- AC Adapter
- Battery Charger
- Lens Hood
- On-Camera Mic
- Raincover
- Power Cord
- RCA Cable
- Remote
- Case
- Polarizer
- UV Filter
- Wide Angle Adapter
- Wide Angle Lens Cap
- Wide Angle Lens Hood
- Power Cord
- Silica Gel Pack

The wide angle lens adapter.

Various camera accessories.
CAMERA
ACCESSORIES
CAMERA ACCESSORIES

METERS: Analog/Digital Light Meter

**Reservable Item**

Analog Light Meter

**Notes, Tips & Tricks:**
- Make sure you know whether or not the high slide is in when metering.
- Do not lose the high slide, it is small and sometimes loose.
- Do not remove the incident bulb.

**Kit IDs:** Analog Meter: 1 - 3

**Kit Contents:**
- Analog Light Meter
- Light Meter Case

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**Reservable Item**

Kit ID: Digital Light Meter 4-22

**Kit Contents:**
- Digital Light Meter
- Light Meter Case

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Digital Light Meter

**Notes, Tips & Tricks:**
- Cases easily come open, make sure you properly secure the light meter.
- Has both spot and incident capability, just slide the bulb.
- Check out a manual if you don’t know how to use a digital light meter.

As noted above, there are a few different types.

*Left:* Checkout has more than one kind of digital light meter, make sure you know how to use the one you get.

*Above:* The analogue light meter and case. All meters have rotating heads and protective slides for outdoor bright-light metering.
Color Meter and Video Tap

**Minolta Color Meter**

**Kit ID:** Color Meter  
**Kit Contents:**  
Minolta Color Meter  
Color Meter Case

**Notes, Tips & Tricks:**  
• Check out the manual if you are unsure how to operate the color temperature meter.  
• Tungsten light measures at around 3200 degrees Kelvin and daylight measures at around 5600 degrees Kelvin.

*Left:* The color temperature meter is good for when you are trying to match a scene shot over two days or a longer period of time.

**Reservable Item**

**Kit IDs:** VT#1  
**Kit Contents:**  
Video Tap  
Cable  
Case

**Below:** Great for having the director or a script supervisor look at acting performance from a monitor rather than cram 6 people in a bathroom.

**Video Tap**

**Notes, Tips & Tricks:**  
• If you tilt the video tap (dutch angle) it will also tilt the image on your monitor. It is essentially just a small camera that looks into the eyepiece.  
• DO NOT attempt to charge the battery while powering the video tap. It will shock you and fry the video tap.  
• If it shocks you, unplug everything and start over.  
• Use only with SR series cameras.
CAMERA ACCESSORIES

Changing Bag and Changing Tent

Non-Reservable

Kit IDs: CB1 - CB6
Kit Contents:
Changing Bag

Notes, Tips & Tricks:
• There are only six of these. That means that there is only one to go with each film camera that needs one, the SR1, SR2-A, SR2-B, M, S1 and S2. If you get a Scoopic or the Bolex, you should use daylight spools as much as possible because there will not be a changing bag available for you to checkout.
• The S/B cameras take daylight spools, but can also use a 400 foot mag. That is why they are in the group listed above.
• Visually inspect changing bag for holes, tears, dust and dirt - the best to check for light leaks is to stick your head into the bag in a bright area.

Reservable Item

Kit ID: T1- T2
Kit Contents:
Bag
Tent
Pole 1
Pole 2

Changing Tent

Notes, Tips & Tricks:
• There are only two of these. If you get a Scoopic or the Bolex, you should use daylight spools as much as possible because there will not be a changing bag/ tent available for you to checkout.
• The S/B cameras take daylight spools, but can also use a 400 foot mag. That is why they are in the group listed above.
• Visually inspect changing tent for holes, tears, dust and dirt - the best to check for light leaks is to stick your head into the bag in a bright area.

Above: A film changing bag is one of the most important things to keep safe on a film shoot. If it gets ripped and someone does not notice, it could ruin your film before you even send it out to the lab.

Above: Changing Tent with Bag
Slates

**Large Slate**

**Kit Information:**

**Notes, Tips & Tricks:**

- Slate must be clean when returned to Checkout. Pull off all tape and wipe off all marker. Tape use is recommended over marker because sometimes marker is difficult to clean off, even if it is “dry-erase.”
- Use properly.

**Small Slate**

**Kit Information:**

**Notes, Tips & Tricks:**

- Slate must be clean when returned to Checkout. Pull off all tape and wipe off all marker. Tape use is recommended over marker because sometimes marker is difficult to clean off, even if it is “dry-erase.”
- Use properly.
CAMERA ACCESSORIES

Field Monitors

Kit ID: FM1 & FM2
Kit Contents:
- BNC Cable
- Panasonic 17in Monitor
- Pelican Case
- Power Cable

Reservable Item

Kit ID: MHD1 & MHD2
Kit Contents:
- AC Adapter
- Portabrace Case
- Power Cable
- Component Cable
- Monitor

Kit ID: M1 & M2
Kit Contents:
- BNC Cable
- BNC Cable Adapter
- Portabrace Case
- Power Cable
- Monitor

SD Field Monitor
Kit Information:
Inputs: S-Video, BNC

Notes, Tips & Tricks:
- Needs to be adapted from V1U component out to monitor component in.

Reservable Item

HD Field Monitor
Kit Information:
Inputs: Component with a BNC input.

Notes, Tips & Tricks:
- Calibrate the monitor each time you check it out.

Above: the inputs on the back of the monitor.
**Reservable Item**

**Kit ID:** LCD Magnifier A & B  
**Kit Contents:**  
LCD Magnifier  
Case

**Notes, Tips & Tricks:**  
• Attaches to the end of the lens like a filter.  
• Used to take extreme close-ups.

---

**Non-Reservable**

**Magnifying Lenses**

**Kit Information:**  
* Diameter: 72mm

**Notes, Tips & Tricks:**  
• Attaches to the end of the lens like a filter.  
• Used to take extreme close-ups.

---

**Non-Reservable**

**Kit IDs:** 1-3  
**Kit Contents:**  
Measuring Tape

**Notes, Tips & Tricks:**  
• Tape is soft canvas rather than metal.  
• Useful for measuring distance, height, etc.

*Above:* Can be very important for focus in case a camera’s back focus is off.
Underwater Housings/Gear

**A1U Underwater Housing**

**Kit ID:** UH1  
**Kit Contents:**  
- Housing  
- Pelican Case  
- Spare O-Rings, Lube, Wrench  
- White Card

**Notes, Tips & Tricks:**
- You cannot change the battery for the A1U camera with the baseplate for the housing still attached.  
- When shipping, always leave the housing door open.  
- Make sure that the O-rings are not cracked or showing any signs of visual damage. They should be supple and well lubricated.

**PD-170 Underwater Housing**

**Kit ID:** UH2  
**Kit Contents:**  
- Allen Keys and Lube  
- Focus Ring  
- Pelican Case  
- LANC Cable and Viewfinder Stopper  
- Housing Handle  
- Internal Filter Ring  
- Spare O-Rings  
- Manual

**Notes, Tips & Tricks:**
- As you go deeper, pressure increases and squeezes the housing more tightly together. If there are any leaks, they will generally manifest themselves during the first few feet of submersion. Place housing in shallow water and look for leaks before going deeper.
Underwater Housings/Gear

**Reservable Item**

Amphibico Light

**Kit ID:** UH3  
**Kit Contents:**  
- 2 X Discovery 10 Light  
- Extended T-Bracket  
- Light Extension Arm  
- Pelican Hard Case  
- Spare O-Rings and Lube

*The light with the push dial needs to be turned on before entering super cold water or it will not work!*

**Reservable Item**  
**Certification Req.**

Z1U Underwater Housing

**Kit ID:** UH4  
**Kit Contents:**  
- Allen Keys (x2)  
- LANC Cable  
- Neoprene Viewfinder Cover  
- Pelican Case  
- Phenom Housing  
- Phenom Housing Handle  
- Spare O-Ring Kit and Lube  
- Spare O-Ring Kit and Lube  
- Phenom Manual

**Notes, Tips & Tricks:**  
- Remove O-Rings when not in use or they wear out too quickly.  
- Works great down to -2º C water  
- Balances well while swimming  
- Best "ready-to-go" camera, no extra batteries needed
Underwater Housings

Above: The Endeavor Housing is the only housing to feature a live viewfinder in the housing!

Above: Easy Iris Control at your fingertips! All controls are easily reached, even the menu.

Notes, Tips, and Tricks:
• This is the nicest of our underwater housings... It happens to be the only one with a live viewfinder.
• This only works with the Sony V1U, a really nice HD camera.
• Whenever you use an underwater port, MAKE SURE that the O-rings are greased and in place.
• Do not store the housing with the O-rings in place, this puts unnecessary stress on the rings and can cause them to break... which is bad when you are underwater!
• Viewfinder needs extra batteries - 4 AA high capacity NiMH batteries are necessary for longer than 30 minutes.
• Underwater, it doesn’t balance right, so it needs some jerryrigging of extra weights to shoot level.

V1U Underwater Housing

Kit ID: UH5 for V1U
Kit Contents:
Endeavor Underwater Housing
Bulkhead Screw
Bulkhead Screw Bolt
Dome Port
O-Ring Kit
Spare Dome Port
Spare Dome Port Case
Travel Case

Reservable Item
Certification Req.
LENSES: HD Lens 36X

Fujinon 36x HD Lens (for Sony 700)

Kit Information:
- Focal Length: 10.5 - 378mm
- Aperture: f2.2 - f16
- Filter Size: 127mm
- Lens Mount: PL Mount

Notes, Tips & Tricks:
- When mounting the 36x, make sure the support washer spins freely until the screw is completely tightened. Only then should you tighten the lens support itself.

Kit ID: 36xHD

Kit Contents:
- Lens
- Lens Support Bolt
- Lens Support Screw
- Lens Support Washer
- Support Locking Screw
- Focus Control FMM-3B
- Focus Control Cable
- Focus Control Handle
- Lens Support
- Zoom Control Handle
- Pelican Case

Top: lens mount and focus control accessories.

Bottom (Left): The lens mount attachment demonstrated.
LENSSES: HD Lenses

Fujinon 17x HD Lens

Kit Information:
Focal Length: 8 - 133mm
Aperture: f1.8 - f16
Filter Size: 86mm
Lens Mount: PL Mount

Fujinon 13x HD Lens (for Sony 700)

Kit Information:
Focal Length: 8 - 133mm
Aperture: f1.8 - f16
Filter Size: 86mm
Lens Mount: PL Mount

Fujinon 15x HD Lens (for Sony 700)

Kit Information:
Focal Length: 8 - 120mm
Aperture: f1.9 - f16
Filter Size: 95mm
Lens Mount: PL Mount

Fujinon 15x HD Lens

Kit Information:
Focal Length: 4.5 - 60mm
Aperture: f1.8 - f16
Filter Size: 127mm
Lens Mount: PL Mount

Kit ID: 13xHD
Kit Contents:
Lens
Case

Kit ID: 15xHD
Kit Contents:
Lens
Case

Kit ID: 17xHD
Kit Contents:
Lens
Case
LENSES: SD Lenses

Fujinon 15x SD Lens (for Sony 570)

**Kit Information:**
- **Focal Length:** 8.5 - 127.5mm
- **Aperture:** f1.7 - f16
- **Filter Size:** 82mm

Fujinon 20x SD Lens (for Sony 570)

**Kit Information:**
- **Focal Length:** 8.6 - 172mm
- **Aperture:** f1.8 - f16
- **Filter Size:** 86mm

Fujinon 36x SD Lens (for Sony 570)

**Kit Information:**
- **Focal Length:** 10.5 - 378mm
- **Aperture:** f2.2 - f16
- **Filter Size:** 127mm
LENSES: SD Lenses

Kit ID: Nikon 300mm
Kit Contents:
- Lens
- Hard Case
- Soft Case
- Lens Cover
- Lens Hood
- Rear Lens Cap

Kit Information:
- Focal Length: 300mm
- Aperture: f/2.8
- Filter Size: Drop-In Filter: 39mm
- Front Filter: 122mm
- Lens Mount: Nikon F

Kit ID: Nikon 500mm
Kit Contents:
- Lens
- Hard Case
- Soft Case
- Lens Cover
- Lens Hood
- Rear Lens Cap

Kit Information:
- Focal Length: 500mm
- Aperture: f/4
- Filter Size: Drop-In Filter: 39mm Front
- Filter: 122mm
- Lens Mount: Nikon F
LENSES: Probe Lenses

**InnoVision 6000 Series Endoscope (for Sony 570 & Sony 700)**

**Kit Information:**
- **Focal Length:** 20mm
- **Aperture:** 35mm-T45: Video/16mm-T30
- **Filter Size:** N/A
- **Lens Mount:** PL Mount

**Notes, Tips & Tricks:**
- Need a lot of light to expose properly.
- A flashlight can be attached to them to help with exposure. Ask about how this is properly done. Checkout does not provide flashlights or batteries.

**Kit ID:** 36xHD
**Kit Contents:**
- Straight Probe Lens
- 45 degree Probe Lens
- B4 Lens Mount
- Israeli Arm Adapter
- Israeli Arm Bracket
- Israeli Arm
- Cardellini Clamp
- Hard Case 1
- Hard Case 2

**LENSES: Vivitar**

**InnoVision 6000 Series Endoscope (for Sony 570 & Sony 700)**

**Kit Information:**
- **Focal Length:** 85mm and 13mm
- **Aperture:** f1.4 and 2.8
- **Filter Size:** 127mm
- **Lens Mount:** Nikon F

**Kit ID:** Vivitar 85mm and 13mm
**Kit Contents:**
- Vivitar 85mm lens
- Vivitar 13mm lens
- Case

**Vivitar 85mm and 13mm (for AF100)**

**Kit Information:**
- **Focal Length:** 85mm and 13mm
- **Aperture:** f1.4 and 2.8
- **Filter Size:** 127mm
- **Lens Mount:** Nikon F
LENSES: AF100 Prime Kit

**Kit ID:** Nikon Prime 1 - 10
**Kit Contents:**
- 50mm Lens
- 35mm Lens
- 20mm Lens
- 14-140mm Lumix lens (f4-5.8) in kits 7-10 only
- Pelican Case

LENSES: Compact Primes for AJA Cion Kit

**Kit ID:** CP1, CP2
**Kit Contents:**
- 85mm Lens
- 50mm Lens
- 35mm Lens
- 21mm Lens

Compact Primes for CP kits

**Kit Information:**
- **Focal Length:** 85mm, 50mm, 35mm, 21mm,
- **Aperture:** F2.1 (85mm, 50mm, 35mm)  
  F 2.9 (21mm)
- **Filter Size:** 110mm
- **Lens Mount:** EF

**Kit Information:**
- **Focal Length:** 50mm, 35mm, 20mm, and 14-140mm
- **Aperture:** f1.8 and f4-5.8
- **Filter Size:** 77mm with included step-up ring
- **Lens Mount:** Micro 4/3” (14-140mm)
  Nikon F (50mm, 35mm, 20mm)
AF100 Advanced Kit

Reservable Item

Kit ID: AF100 Advanced Kit
Kit Contents:
Rails
Rail extender
Camera Mount
Follow Focus
Matte Box
Eyebrow
5x Lens gears
Long Lens adapter
2x Filter Mounts

AF100 Advanced Kit (Follow Focus)

kit weight: 12 lbs.

Notes, Tips, and Tricks:
- The rail system can be extended for longer lenses.
- The Matte box can be opened so that lenses can be changed without needing to remove the box.

The Matte Box can be opened to make lens changing easy.

There are five gear rings for quick and easy lens changes. Also, the kit includes rail extensions and large lens support.

There are two places for filters.
All filters must be returned clean - free of dust or fingerprints. Use a lens cleaning kit to clean filters.

When shooting tungsten film outside, use an 85 filter to correct to daylight (5600K)

When shooting daylight film inside, use an 80A filter to correct to tungsten (3200K)
### FILTERS: 3x3

<table>
<thead>
<tr>
<th>Filter</th>
<th>Description</th>
<th>F-Stop Increase</th>
</tr>
</thead>
<tbody>
<tr>
<td>80A:</td>
<td>Used for converting daylight film for use with 3200K lamps.</td>
<td>2</td>
</tr>
<tr>
<td>85:</td>
<td>Used to convert daylight (5600K) to tungsten (3200K)</td>
<td>2/3</td>
</tr>
<tr>
<td>85 Polarizer:</td>
<td>An 85 combined with a Polarizer, Used like an 85 with the advantage of a Polarizer.</td>
<td>2 1/3</td>
</tr>
<tr>
<td>85B:</td>
<td>Used for converting type B film to daylight.</td>
<td>2/3</td>
</tr>
<tr>
<td>85BN3:</td>
<td>Used for converting type B film to daylight, with an ND .3.</td>
<td>1 2/3</td>
</tr>
<tr>
<td>Clear/Haze/UV:</td>
<td>Used for protecting the lens.</td>
<td>None</td>
</tr>
<tr>
<td>Double F3:</td>
<td>For creating a fog effect. The double fog filter is softer than the normal fog filter but affects contrast more.</td>
<td></td>
</tr>
<tr>
<td>85BN6:</td>
<td>Used for converting type B film to daylight, with an ND .6.</td>
<td>2 2/3</td>
</tr>
<tr>
<td>85N.3:</td>
<td>Used for converting tungsten film for daylight, with a ND .3.</td>
<td>1 2/3</td>
</tr>
<tr>
<td>85N.6:</td>
<td>Used for converting tungsten film for daylight, with a ND .6.</td>
<td>2 2/3</td>
</tr>
<tr>
<td>85N.9:</td>
<td>Used for converting tungsten film for daylight, with a ND .9.</td>
<td>3 1/3</td>
</tr>
<tr>
<td>85N1.2:</td>
<td>Used for converting tungsten film for daylight, with a ND 1.2.</td>
<td>4 1/3</td>
</tr>
<tr>
<td>FLB:</td>
<td>With Type A film, used to eliminate blue-green cast by fluorescent bulbs</td>
<td>1</td>
</tr>
<tr>
<td>FLD:</td>
<td>With daylight film, used to eliminate blue-green cast by fluorescent bulbs.</td>
<td>1</td>
</tr>
<tr>
<td>Filter</td>
<td>Description</td>
<td>F-Stop Increase</td>
</tr>
<tr>
<td>----------</td>
<td>-----------------------------------------------------------------------------</td>
<td>-----------------</td>
</tr>
<tr>
<td>CC05M</td>
<td>Used for balancing against too much green.</td>
<td>None</td>
</tr>
<tr>
<td>CC10M</td>
<td>Used for balancing against too much green.</td>
<td>1/3</td>
</tr>
<tr>
<td>CC20M</td>
<td>Used for balancing against too much green.</td>
<td>1/2</td>
</tr>
<tr>
<td>CC30M</td>
<td>Used for balancing against too much green.</td>
<td>2/3</td>
</tr>
<tr>
<td>CC40M</td>
<td>Used for balancing against too much green.</td>
<td>3/4</td>
</tr>
<tr>
<td>Sky</td>
<td>Decreases the “bluishness” during outdoor shooting.</td>
<td>1/10th</td>
</tr>
<tr>
<td>Softnet 3W</td>
<td>Softens the image, rendering possible facial blemishes less noticeable.</td>
<td>1/3 - 2/3</td>
</tr>
<tr>
<td>Haze 2A</td>
<td>Used to absorb almost all UV light, Absorbs more than a Haze 1.</td>
<td>None</td>
</tr>
<tr>
<td>Star 3mm</td>
<td>Gives light &quot;halos&quot; the impression of being star shaped.</td>
<td>None</td>
</tr>
<tr>
<td>N1.5</td>
<td>Used for reduction of light without changing color value.</td>
<td>5</td>
</tr>
<tr>
<td>N.3</td>
<td>Used for reduction of light without changing color value.</td>
<td>1</td>
</tr>
<tr>
<td>Graduated N.3</td>
<td>Is half ND.3 and half clear with a smooth transition in between.</td>
<td>1</td>
</tr>
<tr>
<td>Graduated N.6</td>
<td>Is half ND.6 and half clear with a smooth transition in between.</td>
<td>2</td>
</tr>
<tr>
<td>N.6</td>
<td>Used for reduction of light without changing color value.</td>
<td>2</td>
</tr>
<tr>
<td>Graduated Sunset</td>
<td>Half orange, half clear with a smooth transition in between.</td>
<td>2</td>
</tr>
</tbody>
</table>
### Filters: 72mm

<table>
<thead>
<tr>
<th>Filter Code</th>
<th>Description</th>
<th>F-Stop Increase</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>80A</strong></td>
<td>Used for converting daylight film for use with 3200K lamps.</td>
<td>2</td>
</tr>
<tr>
<td><strong>81A</strong></td>
<td>Used for balancing daylight film to electronic flash.</td>
<td>1/3</td>
</tr>
<tr>
<td><strong>81C</strong></td>
<td>Used to permit the use of clear flash lamps.</td>
<td>1/3</td>
</tr>
<tr>
<td><strong>82A</strong></td>
<td>Used to help stop excessive red of morning or evening light.</td>
<td>1/3</td>
</tr>
<tr>
<td><strong>82B</strong></td>
<td>Used the same as an 82A, but with cooler results.</td>
<td>2/3</td>
</tr>
<tr>
<td><strong>85</strong></td>
<td>Used for converting tungsten film for daylight balanced light sources.</td>
<td>2/3</td>
</tr>
<tr>
<td><strong>85A</strong></td>
<td>Decreases the color temperature slightly more than an 85 filter.</td>
<td>2/3</td>
</tr>
<tr>
<td><strong>85B</strong></td>
<td>Used for converting type B film to daylight.</td>
<td>2/3</td>
</tr>
<tr>
<td><strong>85C</strong></td>
<td>Used for converting daylight in late afternoon when full 85 is too warm.</td>
<td>2/3</td>
</tr>
<tr>
<td><strong>85N.3</strong></td>
<td>Same as an 85 filter with an ND.3 on it.</td>
<td>1 2/3</td>
</tr>
</tbody>
</table>
CAMAERA FILTERS

FILTERS: 72mm

85N.6:
Same as an 85 filter with an ND.6 on it.
F-Stop Increase: 2 2/3

85N.9:
Same as an 85 filter with an ND.9 on it.
F-stop Increase: 3 2/3

CCA12:
Same as 85 filter, made by Canon.
F-Stop Increase: 2/3

Circular Polarizer:
Polarizes light. Increases contrast and gets rid of reflections.
F-Stop Increase: 2

Graduated N.6:
Is half ND.6 and half clear with a smooth transition in between.
F-Stop Increase: 2

Close-Up Lens:
Used for extreme close-up photography. A magnifying lens.
F-Stop Increase: None

FLB:
With Type A film, used to eliminate blue-green cast by fluorescent bulbs.
F-Stop Increase: 1

FLD:
With daylight film, used to eliminate blue-green cast by fluorescent bulbs.
F-Stop Increase: 1

Green 11:
Used for B&W film. Provides pleasing flesh tones against the sky.
F-Stop Increase: 2

Haze:
Used for reducing blues by absorbing UV.
F-Stop Increase: None

Same as an 85 filter with an ND.6 on it.
F-Stop Increase: 2 2/3

Same as an 85 filter with an ND.9 on it.
F-stop Increase: 3 2/3

Same as 85 filter, made by Canon.
F-Stop Increase: 2/3

Polarizes light. Increases contrast and gets rid of reflections.
F-Stop Increase: 2

Is half ND.6 and half clear with a smooth transition in between.
F-Stop Increase: 2

Used for extreme close-up photography. A magnifying lens.
F-Stop Increase: None

With Type A film, used to eliminate blue-green cast by fluorescent bulbs.
F-Stop Increase: 1

With daylight film, used to eliminate blue-green cast by fluorescent bulbs.
F-Stop Increase: 1

Used for B&W film. Provides pleasing flesh tones against the sky.
F-Stop Increase: 2

Used for reducing blues by absorbing UV.
F-Stop Increase: None
CAMERA FILTERS

FILTERS: 72mm

N.3: Used for reduction of light without changing color value.
F-Stop Increase: 1

N.6: Used for reduction of light without changing color value.
F-Stop Increase: 2

N.9: Used for reduction of light without changing color value.
F-Stop Increase: 3

N1.2: Used for reduction of light without changing color value.
F-Stop Increase: 2/3

F-Stop Increase: 3

67 - 72 Step Up Ring: Used to convert one filter size to the next.
F-Stop Increase: None

Sky 1A: Used for reducing blues and adding warmth.
F-Stop Increase: None

Sky 1B: Absorbs UV light.
F-Stop Increase: None

Skylight 1: Absorbs UV light.
F-Stop Increase: None

Skylight 1B: Absorbs UV light and adds warmth.
F-Stop Increase: None

FILTERS: 72mm
CAMERA FILTERS

FILTERS: 4 1/2 Filter Set

Kit IDs: 4 1/2 Filter Set
Kit Contents:
Case
4 1/2 Adapter Ring
Haze 2A Filter
Clear Round Filter
Double Fog Filter
Center Spot Filter
Split Diopter

Notes, Tips & Tricks:
• Can be attached to Scoopics.
• Can be attached to 72mm filter compatible lenses in Arri S/B and Arri M kits.
• Can also be attached to the Angenieux variable lens that comes with the Aaton XTR.

The split diopter and lens hood on a zoom lens.
FILTRERS: Series 9 Filter S

Kit IDs: Series 9 Filter Set
Kit Contents:
- Case
- 4 1/2 Adapter Ring
- Haze 2A Filter
- Clear Round Filter
- Double Fog Filter
- Center Spot Filter
- Split Diopter

Notes, Tips & Tricks:
- Can be attached to Scoopics.
- Can be attached to 72mm filter compatible lenses in Arri S/B and Arri M kits.
- With included 58mm ring, can be attached to PD-150.

Reservable Item
CAMERA SUPPORT

Common thread sizes: 1/4-20 (Small), 3/8-16 (Big)

Be careful to keep track of and return plates and screws - do not leave them attached to the camera when returning.

Some cameras are too big for some tripods - make sure to check out a tripod that is approved for use with your camera package.

Return with arm locked down and Pan/Tilt loose. DO NOT leave the arm loose, or it may strip itself out.

Fluid heads can freeze, they MUST be kept in a warm place overnight.
Bogen 3066 Baby Legs

**Kit Information:**
- **Ball Size:** 100mm
- **Height:** 19” - 26”
- **Weight Capability:** 22 lbs.
- **Screw Sizes:** 3/8-6, 1/4-20
- **Attachable Cameras:** All Cameras
- **Number of Stages:** 2

**Notes, Tips & Tricks:**
- Tripod screws are stowed under the plate. You must remove the plate to get to them.
- The Baby Legs' head is the same as the head for the full sticks, they are interchangeable. The 3066 head can also be used with the Losmandy Porta-Jib.
- Compatible with Bogen Rollers.
- Be careful with the locking levers on the legs, they can break off.

**Kit ID:** BL 1 & 2
**Kit Contents:**
- Bogen Baby Legs
- Plate
- Head

Above: Head and plate of Bogen Baby Legs
Right: The Baby legs compared to the regular Bogen tripod.
Bogen 3066 Tripod

Kit ID: BG 1-4
Kit Contents:
Bogen Sticks
Head
Plate
Spreader
Screws

Below: The head of a Bogen 3066 is the same as the baby Bogen 3066

Above: Looking down at the level of a Bogen 3066

Kit Information:
Ball Size: 100mm
Height: 35” - 59”
Weight Capability: 22 lbs.
Screw Sizes: 3/8 - 16, 1/4 - 20
Attachable Cameras: All Cameras
Number of Stages: 2

Notes, Tips & Tricks:
• Tripod screws are stowed under the plate. You must remove the plate to get to them.
• The Losmandy Porta-Jib uses the 3066 head, so you will need to check out this tripod or the baby legs if you are planning to use the jib.
• Compatible with Bogen Rollers.
• Be careful with the locking levers on the legs, they can break off.
Bogen Rollers

Notes, Tips & Tricks:
• The Bogen rollers allow easy movement of tripods on smooth surfaces such as the studio floor, however, do not use them outdoors or they will get gummed up.
• Compatible with: Bogen 3066 Tripod & Baby Legs, Cartoni C20 Tripod and Bogen Manfrotto Tripod.

Reservable Item

Kit ID: BR1 - BR4
Kit Contents: Rollers

Left: Used to make almost any tripods into dolly’s. Great for shooting in Studio B.

Above: The Bogen tripod on the rollers.
Bogen Manfrotto Tripod

Kit Information:
- Ball Size: N/A
- Height: 20.5" - 70.1"
- Weight Capability: 17.6 lbs.
- Screw Sizes: 1/4-20
- Attachable Cameras: A1U, V1U, Z1U, PD-170, PD-150, DVX100 and HVX200
- Number of Stages: 3

Notes, Tips & Tricks:
- Only MF1 comes with a spreader.

Reservable Item

Kit ID: MF1 - MF7
Kit Contents:
- 503 Tripod Head
- Spreader
- Arm
- Sticks
- Plate
- Case

Above: the foot. Note the metal end, which might damage a hardwood floor or other surface.

Top: the head and plate.
Right: The legs partially extended.
Cartoni Alfa-II Tripod

Kit Information:
Ball Size: 100mm
Height: 33” - 62”
Weight Capability: 22 lbs.
Screw Sizes: 1/4 - 20
Attachable Cameras: DVX100, HVX200, A1U, V1U, Z1U, ZR-900, Scoopic, PD-150 and PD-170,
Number of Stages: 2

Notes, Tips & Tricks:
• If the plate will not stay fully latched, don't panic, there is a small phillips screw that needs to be tightened on the right side of the head, check this before leaving with gear so that Checkout can fix it.
• The spring under the tripod plate often detaches from the lock lever. This will cause the plate to not latch correctly. Test this before leaving and notify Checkout so that it can be fixed.
• The feet can be removed, make sure that they are all present when checking tripod out and when returning tripod.
• When attaching the plate, insert the plate at an angle and then set it flat so that it clicks to lock. It will not slide in from the front or back.
• Read the opening page of the camera support section for additional, mandatory information about tripods.

Below: The Cartoni Alfa set up, notice the padded rubber feet.

Kit ID: C 1 - C25
Kit Contents:
Bag
Plate
Cartoni Sticks

Reservable Item

Left: The Cartoni Alfa bag

Above: This is the proper way to attach the plate to the head, it snaps down - it does not slide in!
Cartoni Beta Tripod

**Kit ID:** B1 - B2

**Kit Contents:**
- Spreader
- Arm
- Head
- Sticks
- Plate
- Case

**Kit Information:**
- **Ball Size:** 100mm
- **Height:** 29” - 54”
- **Weight Capability:** 22 lbs.
- **Screw Sizes:** 1/4-20, 3/8-16
- **Attachable Cameras:** A1U, V1U, Z1U, PD-170, PD-150, DVX100, HVX200, Arri M, Arri S/B and Scoopics
- **Number of Stages:** 2

*Right: with sticks partially extended and case.*

*Right: the head and plate.*
Cartoni C 20 S Tripod

Kit Information:
- **Ball Size:** 100mm
- **Height:** 20” - 72”
- **Weight Capability:** 66 lbs.
- **Screw Sizes:** 3/8-16, 1/4-20
- **Attachable Cameras:** All film Cameras
- **Number of Stages:** 2 - 2

**Notes, Tips & Tricks:**
- Plate on tripod slides to balance camera so it is not front or back heavy. (Use dial on side.)
- Compatible with Bogen Rollers.
- Spreaders attach on bottom, feet must be removed to attach them. DO NOT LOSE THEM.

Left: The complete Cartoni C 20 S tripod kit. Has both a set of baby legs and regular legs.

Above: The head of the C 20 S tripod.
Glidecam & ABC Jib

Glidecam 4000 Pro

Kit ID: GC
Kit Contents:
- Camera Plate
- Central Post
- Soft Case
- Weight Plate
- Weights

Kit Information:
- Arm Length: 15’
- Weight Capability: 28.6 lbs.
- Screw Sizes: 1/4-20, 3/8-16

Notes, Tips & Tricks:
- Takes a long time to balance properly. Plan accordingly.

ABC Jib Kit

Kit ID: Jib Kit
Kit Contents:
- Camera Strap
- Camera Platform Tube
- Extension Tube
- Extension Tube
- Jib Main Axle
- Jib Soft Case
- Jib Support/Control Cables
- Jib Tripod Head
- Tripod Legs
- Jib Weight Cooler 1
- Jib Weight Cooler 2
- Main Tube
- Tilt Arm
- Weight Bar
- Platemate 1
- Platemate 2
- Platemate 3
- Platemate 4
- Tripod

Kit Information:
- Screw Sizes: 3/8-16, 1/4-20
- Attachable Cameras: All

Notes, Tips & Tricks:
If pairing Grad Jib with HPX-600, you will need sandbags to support the additional weight.

Left: The glidecam in all its glory.
Above Left: Assorted weights that come with the glidecam.
Arri Shoulder Mount

Kit ID: AS
Kit Contents:
• Arri Shoulder Mount

Kit Information:
Screw Sizes: 3/8-16
Attachable Cameras: Arriflex S/B and M

Notes, Tips & Tricks:
• Not for use with video cameras.
• Specifically designed for M & S/B cameras and has a start/stop switch that works only with those cameras.
• Do not use the start/stop switch with any other film camera.

Above: Shoulder mount without a camera on it.

Above: Warning, the shoulder mount has the tendency to cause angst and/or passion in DPs, as seen above.
**CAMERA SUPPORT**

**Peter Lisand Tripod**

**Kit ID:** PL1 & PL2  
**Kit Contents:**  
- Lisand Head  
- Lisand Plate  
- Lisand Spreader  
- Lisand Sticks

**Notes, Tips & Tricks:**  
- Feet are very pointy and will ruin a hard wood floor. Put carpet squares or something else under them to protect your location.  
- Use caution when locking the plate in place, sometimes it is difficult to fully lock.  
- Screws do not attach to the plate and fall out easily, DO NOT LOSE THEM!

**Kit Information:**  
- **Ball Size:** 100mm  
- **Height:** 39” - 60”  
- **Weight Capability:** 30 lbs.  
- **Screw Sizes:** 1/4-20, 3/8-16 (Non Included)  
- **Attachable Cameras:** ZR900, PD-150, DVX100, HVX200  
- **Number of Stages:** 2

**Right:** The tripod itself has sharp feet which are not the best for hard wood floors and things that can get scratched.

**Far Right:** The Lisand Tripods have the second best head the school has. Behind the Cartoni C 20 S.
Losmandy Porta-Jib

**Kit ID:** JIB  
**Kit Contents:**  
2.5 lb. Jib Weight  
2.5 lb. Jib Weight  
2.5 lb. Jib Weight  
2.5 lb. Jib Weight  
5 lb. Jib Weight  
5 lb. Jib Weight  
5 lb. Jib Weight  
Collar  
Collar  
Collar  
Female Weight Rod  
Instructions  
Jib  
Jib Case  
Jib Legs  
Jib Legs Case  
Jib Locking Pin  
Jib Tuning Weight  
Jib Weights Case  
Large Male Weight Rod  
PlateMate Weights  
PlateMate Weights  
PlateMate Weights  
PlateMate Weights  
Small Male Weight Rod  
Tightening Handle

**Kit Information:**  
*Ball Size:* 100mm  
*Height:* 24” - 84”  
*Weight Capability:* 35 lbs.  
*Screw Sizes:* See Bogen 3066 (pg. )  
*Attachable Cameras:* All Cameras compatible with Bogen 3066 head  
Bogen 510 head and Peter Lisand head.  
*Number of Stages:* 3 (2 on legs plus jib)

**Notes, Tips & Tricks:**  
- This can be a great tool for adding movement to your film, but you can also lose fingers to it if you don't know how to use it properly. Ask Checkout for proper instruction.  
- Do not raise center column of tripod.  
- Threads get stripped easily, use caution when tightening locking knobs.  
- Last locking knob must be removed to properly pack the jib.  
- ALWAYS balance the jib, never use it when one side is heavier than the other, because it is much more difficult to control, and thus more dangerous.
CAMERA SUPPORT

Bogen 3063 & Bogen 510

Kit ID: BO1 & BO2
Kit Contents:
- Head
- Plate
- Sticks

Bogen 3063 Manfrotto Tripod

Kit Information:
- Ball Size: 75mm
- Height: 33" - 59"
- Weight Capability: 22 lbs.
- Screw Sizes: 3/8-16
- Number of Stages: 2

Notes, Tips & Tricks:
- Plate is six sided - not your standard film plate.
- No spreaders, make sure you sandbag every leg.

Kit ID: 510
Kit Contents:
- Head
- Plate
- Sticks
- Spreader

Bogen 510 Tripod

Kit Information:
- Ball Size: 100mm
- Height: 35" - 59"
- Weight Capability: 18.7 lbs.
- Screw Sizes: 1/4-20, 3/8-16
- Attachable Cameras: All Cameras except Arriflex SR-Series and Sony 570 and 700.
- Number of Stages: 2

Notes, Tips & Tricks:
- Works with Bogen Rollers.
- Great for HVX 200.
- Attaches to the Losmandy Porta-Jib.
Miller-Cartoni Tripod

**Kit ID:** Miller Tripod

**Kit Contents:**
- Arm
- Head
- Plate
- Sticks
- Tie Down
- Petrol Case

**Kit Information:**
- **Ball Size:** 100mm
- **Height:** 8.7” - 73”
- **Weight Capacity:** 22 lbs.
- **Screw Sizes:** 1/4-20
- **Attachable Cameras:** DVX100, HVX200, A1U, V1U, Z1U, PD-150 and PD-170
- **Number of Stages:** 4

**Notes, Tips & Tricks:**
- Watch out when trying to raise and lower legs, takes a while and is easier with two people.
- Do not overtighten legs.
- Case acts as a backpack for carrying.

**Reservable Item**

Above: the head and plate. Note that the metal spikes can be extended or retracted.

Above: the feet. Note that the metal spikes can be extended or retracted.

Top: with sticks partially extended and case.
Miller Tripod

Kit Information:
- Ball Size: 100mm
- Height: 2'7"-4'2"
- Weight Capability: 30 lbs.
- Screw Sizes: 1/4-20, 3/8-16
- Attachable Cameras: Arri M, Arri S/B, Scoopics
- Number of Stages: 3

Kit Contents:
- Head
- Plate
- Arm
- Case
- Spreader
- Sticks
O’Connor Tripod

Kit Information:
Ball Size: 100mm
Height: 21.7” - 63.4”
Weight Capability: 41 lbs.
Screw Sizes: 1/4-20
Attachable Cameras: Aaton XTR,
Number of Stages: 3

Notes, Tips & Tricks:
• Can be used with the Bogen Rollers.

Above: the feet. Note the spikes, which can cause damage to hardwood floors or other surfaces if not covered.
But, note that the FLOOR SPREADERS MUST BE REQUESTED SEPARATELY!

Right: the head and plate.
Sachtler Tripod Head

Kit Information:
- Ball Size: 150mm
- Weight Capacity: 65 lbs.
- Screw Sizes: 1/4-20
- Attachable Cameras: All

Kit Contents:
- Arm
- Arm Handle
- Case
- Screw-On Tightener
- Head
- Plate

Reservable Item

Kit ID: ST1, ST2

Left: the feet for Sachtler #01. Note the spikes, which can cause damage to hardwood floors or other surfaces if not covered.

CAMERA SUPPORT
Sunpak Tripod

Sunpak 7001 DX Tripod

Kit Information:
Ball Size: N/A
Height: 22” - 60”
Weight Capability: 4.4 lbs.
Screw Sizes: 3/8-16
Attachable Cameras: Canon Elura, ZR900
Number of Stages: 3

Notes, Tips & Tricks:
• Do not use this tripod with any camera besides the Canon Elura and ZR900.

Kit IDs: CT1 - CT8
Kit Contents:
Sticks
Case
Plate
Plate

Reservable
Vinten Tripod

Vinten Vision 3 Tripod

Kit Information:
Ball Size: 75mm
Height: 21.4” - 66”
Weight Capability: 22 lbs.
Screw Sizes: 1/4-20, 3/8-16
Number of Stages: 3

Notes, Tips & Tricks:
• DSR-700 cannot be used on this tripod with large lenses attached.
• Fragile. Carbon fiber legs cost $450 apiece, so be careful.
• These are great tripods, but they are completely underused, especially with the smaller camera kits!

Kit ID: 1-3, 5, 6

Kit Contents:
Arm
Case
Sticks
Head
Plate
Spreaders

Above: the head and plate.
High Hat 1-3

Kit ID: HH1
Kit Contents:
High Hat #01

Kit Information:
Ball Size: 100mm
Attachable Heads: Bogen 3066, Bogen 510, Cartoni Alfa-II, Cartoni Beta, Cartoni C20S, Miller, Miller/Cartoni, O'Connor and Peter Lisand

Notes, Tips & Tricks:
• This high-hat’s legs can be detached from the board, and are slightly adjustable.

Kit ID: HH2
Kit Contents:
High Hat #02

Kit Information:
Ball Size: 100mm
Attachable Heads: Bogen 3066, Bogen 510, Cartoni Alfa-II, Cartoni Beta, Cartoni C20S, Miller, Miller/Cartoni, O'Connor and Peter Lisand

Notes, Tips & Tricks:
• This high-hat’s legs can be detached from the board, but its legs are static.

Kit ID: HH3
Kit Contents:
High Hat #03

Kit Information:
Screw Size: 1/4-20
Attachable Cameras: DVX100, HVX200, A1U, V1U, PD-150, PD-170

Notes, Tips & Tricks:
• This tripod can be a little sticky, loosen the pan and tilt mechanisms as much as possible before using.
• Only works with video cameras, there is no way to switch screws.
Reservable

Kit ID: MBL
Kit Contents:
Tripod Bowl
Extending Stirrup 01
Extending Stirrup 02
Extending Stirrup 03
Foot 01
Foot 02
Foot 03
Stirrup 01
Stirrup 02
Stirrup 03

Ronford-Baker Baby Legs

Kit Information:
Ball Size: 150mm
Screw Sizes: n/a
Head: Sachtler (separate)

Notes, Tips & Tricks:
• Used with Sachtler Head
EDITING

Special thanks to the broadcast TV stations of the late 50’s for 1/10 of a percent. Thanks for 29.97 and 23.98, we love those numbers.
# Hard Drives

**Kit IDs:** HD1 - HD7

**Kit Contents:**
- Pelican Case
- 75GB Hard Drive
- 6 to 6 Pin Firewire
- Power Cord
- Power Adapter

**Notes, Tips & Tricks:**
- Can only be checked out for 2 weeks at a time.
- Make sure that everything is turned off while plugging into power. Plug in firewire first, then turn on computer and drive.
- Approximately 80GB drives.
- Reformat drive before returning drive to checkout.
- THIS IS NOT A PERMANENT SOLUTION TO STUDENT STORAGE.

---

## Reservable Item

![Hard Drive Kit](image)

**Above:** Hard drive kits are a good stop gap if something happens to your hard drive, but they are not a permanent solution.

---

## Non-Reservable

![Rewind Board & Reels](image)

**Kit ID:** FRB

**Kit Contents:**
- Film Rewind Board

**Notes, Tips & Tricks:**
- Helpful if you want to break a 400’ mag into daylight spools or to change A to B wind. If you do this, you will need a room that is completely light-tight. Ask the photo department about using a darkroom.

---

**Rewind Board**

![Film Rewind Board](image)

**Above:** The Film Rewind board is really helpful when you are trying to break a 400 foot load into daylight cores.
Rewind Board & Reels

Above: This is a split reel that has been unscrewed to show how it comes apart.

Non-Reservable

Kit ID: Split Reel
Kit Contents: Split Reel

Notes, Tips & Tricks:
• Use with projector or rewind board.
• Plastic cores are available at checkout and cost 25 cents.

Above: A projection reel that you put film on before you run it through the projector.

Non-Reservable

Kit ID: Projection Reel
Kit Contents: Projection Reel

Notes, Tips & Tricks:
• Use with projector or rewind board.
Sony DSR-11 Deck

Notes, Tips & Tricks:
- Make sure that everything is turned off while plugging into power. Plug in firewire first, then turn on computer and deck.
- Use this to capture DV and DVCAM footage - NEVER a camera.
- Make sure the door stays closed when not inserting or removing a tape.
- The doors are fragile, and cost approximately $85.

Right: The front latch should always be closed when not using the DSR-11. It stops dust from getting into the mechanism. It breaks easily is also a very expensive piece so be careful with it.

Non-Reservable

Kit ID: M15U
Kit Contents:
- Sony M15U
- 4 to 6 Pin Firewire
- Case
- Power Cord
- Power Supply
- Remote

Sony M15U Deck

Notes, Tips & Tricks:
- Make sure that everything is turned off while plugging into power. Plug in firewire first, then turn on computer and deck.
- Use this to capture DV, DVCAM and HDV (except Canon's 24f HDV or JVC's HDV Codecs) footage, not a camera.
- Be aware of menu settings regarding format. Check out a manual or ask at Checkout if you are unsure.
- There is only one of these available; check it out only if you are capturing HDV footage.

Above: The M15U is a newer version of the DSR-11 that can handle HDV footage. Make sure that you need this deck before you take it.
Blu-Ray Burner

**Kit ID:** Blu-Ray Burner (BR)

**Kit Contents:**
- Case
- Firewire 800 Cable
- Mercury Pro Optical Blu-Ray Player
- Power Cable
- USB 3.0 Cable

Wacom Intuos Pro

**Kit ID:** Wacom Tablet

**Kit Contents:**
- Soft Case
- Intuos Pro Tablet
- USB Cable
- Pen Stand
- Pen
- Pen Case
- Nib Removal Tool
- Instructions
Most grip equipment is known by multiple names. A beadboard holder is also known as a duckbill, platypus, quaker and billy grip. Each set may have a different name for the same pieces of equipment. Become familiar with these terms as quickly as you can.

When returning grip equipment that may have been exposed to water, always ask Checkout for a rag and can of WD-40 to wipe it down. Wipe down entirety of equipment, especially moving parts.
6x6 Flag Kit

Kit ID: 6x6 Flag Kit
Kit Contents:
Corner Frame x4
Double Net x2
Ear Clamp x2
(F) Frame Half x4
Flag
Grid Cloth
Lolipop x2
(M) Frame Half x4
Quick Reverse Baby Pin
Riser Combo Stand x2
Silk
Single Net
Soft Case
Stuff Sack - Double x2
Stuff Sack - Flag
Stuff Sack - Grid Cloth
Stuff Sack - Silk
Stuff Sack - Single
6x6 Flag Kit (Cont.)

- Image of a person tying a knot with a rope.
- Image of a flag kit containing flag poles, clamps, and bags.
- Image of flag kits set up with tripods and bags.

The kit includes:
- Flag poles
- Clamps
- Bag for storage
Big Blue Grip Kit

Kit ID: BBGK

Kit Contents:
18in. x 24in. Double
18in. x 24in. Flag Frame x4
18in. x 24in. Silk
18in. x 24in. Single
18in. x 24in. Solid x2
2 Riser Low Boy Combo Stand
20in. C-Stand
20lb. Sand Bag x6
20lb. Shot Bag x6
24in. x 36in. Double
24in. x 36in. Flag Frame x2
24in. x 36in. Silk
24in. x 36in. Single
24in. x 36in. Solid x2
3 Riser Combo Stand x2
35lb. Sand Bag x6
40in. C-Stand x6
4ft x 4ft Double
4ft x 4ft Floppie x2
4ft x 4ft Reflector Board x2
4ft x 4ft Silk
4ft x 4ft Single
4in. C-Clamp with 5/8in. Pin x2
6 Step Ladder
6ft x 2ft Cutte
6ft x 6ft. Double Scrim
6ft x 6ft. Frame Ear
6ft x 6ft. Frame Side x4
6ft x 6ft. Silk
6ft x 6ft. Single Scrim
6in. C-Clamp
6in. C-Clamp with 5/8in. Pin x2
Baby Nail On Plate x4
Baby Pipe Clamp
Bead Board Holder x2
Chain Vise Grips x2
Chain Vise Grips with 5/8in. Pin x2
Dual Stud for Space Clamp x3
Full Apple Box x2
Full Crate x4
Furniture Clamp x2
Gator Grip
Grip Clip x10
Half Apple Box x2
Half Crate 1 (H1)
Half Crate 2 (H2)
Junior Nail On Plate x2
Junior Pipe Clamp
Lollipop x2
Lowel Interlink x3
Mafer Clamp x2
Mafer Clamp Adapter x2
Magic Finger
Pancake x2
Quarter Apple Box x2
Ratchet Strap x4
Scissor Mount x3
Space Clamp x3
Super Duz All Cart
Tent Stake x6

Below: The Super Duz All cart, or taco cart, holds almost all the grip gear you will need. You must have a U-Haul or similar enclosed trailer to use this kit.

Non-Reservable Certification Req.

Above: 18in. x 24in. Single Net. Singles are denoted by the green fabric around the edge, a single cuts down one stop of light.

Above: Bead Board Holder, makes clamping a bounce board to a C-Stand easy. This item has many different names, duckbills, platypus...

Above: The BBGK has two combo stand, one low boy combo stand (not pictured), six 40in. C-Stand and one 20in. C-Stand. The combo stand has a lollipop in it.
Notes, Tips & Tricks:
- You must rent a U-Haul and provide Checkout with proof that you have done so two days before your scheduled pickup.
- Get a printout of all equipment in the kit (or refer to these pages) to help keep track of all parts so that nothing gets left behind.
- When not using shinies on stands, make sure they are tabled. Shinies should always be heavily sandbagged.
- Always stake down and heavily sandbag 6x6 frames. If winds are too high, disassemble and do not use. Failure to do so could result in serious damage to equipment and crew members.
- No partial check-out is allowed, everything must be taken from Checkout, even if you only plan to use part of the kit.
- Be careful not to lose Mafer Clamp adapters - they are very small.
- DO NOT cut any of the rope provided - buy your own if you need different lengths.
- When returning the Big Blue Grip Kit to Checkout, you MUST arrive when Checkout opens - this kit is very large and every item must be hand-checked, it takes at least two hours to check in.
Grip Kit

**Kit Contents:**
- 1000watt Dimmer
- 4in. C-Clamp with 5/8in. Pin
- Baby Nail On Plate x2
- Bounce Case
- Bounce Disk
- Cardellini Clamp
- Cube Tap
- Grip Clip (small) x4
- Grip Clip (medium) x1
- Grip Clip (large) x1
- Ground Lift
- Mafer Clamp x2
- Mafer Clamp Bolt x2
- Magic Finger
- Power Strip
- Outlet Tester
- Ratchet Strap x2
- Rope x2
- Scissor Clamp x2
- Stinger x2

**Notes, Tips & Tricks:**
- Pack smaller, more delicate items (scissor clamps) on top of heavier items, not vice-versa.
- DO NOT cut the ropes! If you need other lengths, buy your own. The ropes are standard lengths for a reason, and everyone needs to use them.

- Pack smaller, more delicate items (scissor clamps) on top of heavier items, not vice-versa.
- DO NOT cut the ropes! If you need other lengths, buy your own. The ropes are standard lengths for a reason, and everyone needs to use them.

**Left:** Rope can be used for many things. Securing lights and frames outside is very important because a strong gust of wind can easily knock over a light if it has not been secured.

Before checking these kits out you should learn the bowline and the truckers hitch. Both knots will be very good to know on set.
Matthews C-Stands

Notes, Tips & Tricks:
• The engraved number on the C-Stand must match the number on the gobo arm when returning stands.
• All knuckles should be tightened and facing the same direction when returned to Checkout.
• Understand what the “right-hand rule” is (as demonstrated above,) if you don’t, ask.
• If C-Stands are exposed to water (condensation, rain, snow) they must be wiped down with WD-40 so that they don’t rust.

Above: C-Stands are great for holding just about anything you need on a film shoot.

Above: Right hand rule is very important when using a C-Stand. Make sure that when you set up a C-Stand that the knuckles are to the right.

Gobo arms are the grabbing arms that come with C-Stands.
# Road Rags Kits, Small & Large

**Notes, Tips & Tricks:**
- When breaking down frames, completely remove pole gently before folding up - they have often been broken in the past and cost at least $75 to replace, depending on market value.
- Must be returned with all flags, silks and scrims folded neatly and tucked into their compartments.
- Can be hand-held, but otherwise require a C-Stand/Gobo Arm.

<table>
<thead>
<tr>
<th>Kit ID: SF1-SF5</th>
<th>Kit Contents:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bag</td>
<td>Bag</td>
</tr>
<tr>
<td>Double Net</td>
<td>Double Net</td>
</tr>
<tr>
<td>Flag</td>
<td>Flag</td>
</tr>
<tr>
<td>Open Frame</td>
<td>Open Frame</td>
</tr>
<tr>
<td>Open Frame</td>
<td>Open Frame</td>
</tr>
<tr>
<td>Silk</td>
<td>Silk</td>
</tr>
<tr>
<td>Single Net</td>
<td>Single Net</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Kit ID: LF1-LF5</th>
<th>Kit Contents:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bag</td>
<td>Bag</td>
</tr>
<tr>
<td>Double Net</td>
<td>Double Net</td>
</tr>
<tr>
<td>Flag</td>
<td>Flag</td>
</tr>
<tr>
<td>Open Frame</td>
<td>Open Frame</td>
</tr>
<tr>
<td>Open Frame</td>
<td>Open Frame</td>
</tr>
<tr>
<td>Silk</td>
<td>Silk</td>
</tr>
<tr>
<td>Single Net</td>
<td>Single Net</td>
</tr>
</tbody>
</table>

**Above:** 18in. x 24in. Double Net set up on a C-Stand. This shows one of the many uses a C-Stand has on set.

**Above:** A 24in. x 36in. Solid and a 18in. x 24in. Silk, this shows the difference in sizes between the small and large kits.

**Below:** This is what the kit should look like when it is packed up. Then you should fold the top flap down to the velcro and then fold it into thirds.

**Above:** The frames break easily if they are forced or not used properly. Some of the kits contain broken frames. Check the kit thoroughly when you check it out.
Flex Drop Green Screen & Fog Machine

**Reservable Item**

**Kit ID:** Flex Drop Green Screen  
**Kit Contents:**  
- Green Screen  
- Green Screen Stand

**Flex Drop Green Screen**

**Notes, Tips & Tricks:**  
- Can be very difficult to fold back into its case. It’s probably easier to do so with two people.  
- More stable with extra support, use sandbags on the base.

*Far left:* the greenscreen side.  
*Left:* the bluescreen side.

**Reservable Item**

**Kit ID:** FM  
**Kit Contents:**  
- Box  
- Fog Machine

*Left:* The fog machine is great to create a little atmosphere, throw some light through it and look at the particles.

**Fog Machine**

**Notes, Tips & Tricks:**  
- Fog juice does not come with machine - sold separately at Checkout.  
- Clean before returning, you will be fined otherwise.  
- If your location has particle smoke-detector, this machine will set it off - BE AWARE!
Impact Bounce & Lite Disc

Reservable Item

Kit ID: IB1 - IB6, B1 - B4
Kit Contents:
- Diffusion
- Reflector
- Case

Notes, Tips & Tricks:
- Know how to pack up disk, if you don't know, ask a Checkout worker to demonstrate.
- Diameter 3’ 6”
- The bounce has effectively 5 sides: silver, gold, partial gold, partial silver and white.

Above: The Impact bounce displaying a few of its sides. There are a total of 5.

Reservable Item

Kit ID: IB7
Kit Contents:
- Small Lite Disc

Notes, Tips & Tricks:
- Know how to pack up disk, if you don't know, ask a Checkout worker to demonstrate.
- This bounce is very small. It is primarily intended for macro photography. Diameter: 1’ 11”

Above: LiteDisc Seven only has the diffusion or soft bounce, it is also much smaller than the other bounce disks.
Matthews Doorway Dolly

Notes, Tips & Tricks:
- If pneumatic wheels are removed to put on skate wheels, do not lose metal spacers on the front wheels.
- Do not over-tighten wheels or they will not roll.
- Track must be reserved separately.

Left: The dolly with the regular wheels on, it can be used like this, but be aware that the dolly doesn’t always roll straight.

Notes, Tips & Tricks:
- Use the tie down hook to secure your tripod to the dolly. This can be done with a ratchet strap.

Kit ID: DK1-DK2
Kit Contents:
- Base
- Stationary Handle
- Turning Handle
- Wing
- Wing

Kit ID: DK1-DK2
Kit Contents:
- Level
- Dolly Curve Track
- Dolly Curve Track
- Dolly Straight Track
- Dolly Straight Track
- Dolly Straight Track
- Skate Wheels
- Skate Wheels
- Skate Wheels
- Skate Wheels
- Skate Wheels Box
- Wrench

Notes, Tips & Tricks:
- Never let skate wheels touch the ground.
- Use tarp or furniture pad to lay down under track in grassy areas.
- Use Pledge (oil-based lubrication) to lube tracks
- Level track vertically and horizontally.

Reservable Item Certification Req.

Reservable Item Certification Req.
Microdolly

Microdolly Basic Kit

Kit Information:
Weight Capacity: 100 lbs.
Attachable Tripods:

Notes, Tips & Tricks:
• You must check out the travel case with this kit.
• The dolly should be pulled, not pushed.

Kit ID: Microdolly
Kit Contents:
Cloth
Handle
Instruction Card
Leg A
Leg B
Rope Ratchet
Soft Case
Styrofoam Track Thread A
Styrofoam Track Thread B
Track
Track Bumper
Wood Shims
Wrench

Top: packed into its case.
Right: the parts laid out.
Below Right: the dolly set up and demonstrated with a tripod. It is intended to be pulled, not pushed.

Right: Shims and other included accessories.
Apple Box Kit

Above: Apple boxes are one of the most useful things on set, from helping to level a dolly track to being a chair for someone on set.

Notes, Tips & Tricks:
• There are typically five sizes of Apple box: Full, Half, Eighth, Quarter and Pancake. Only the height varies between sizes. A full apple box is 1’8” long, 1’ wide and 8” tall, a half apple is 4” tall, etc. Pancakes vary in thickness but are generally around 1/4” - 1/2”.

Rope

Notes, Tips & Tricks:
• DO NOT cut the ropes! If you need other lengths, buy your own. The ropes are standard lengths for a reason, and everyone needs to use them.
• Rope can be used for many things. Securing lights and frames in windy conditions, for example.
• Learn the bowline and the truckers hitch. Both knots will be very good to know on set.
**Sandbags**

**Notes, Tips & Tricks:**
- There is a maximum 15 bag limit per production, depending on quantity available.
- There is a proper way to stack sandbags; each bag should be placed perpendicular to the last so that they interlock.
- Full sandbags should be about 20 lbs.
- Use them properly, the zippers can break easily.

**Empty Sandbags**

**Notes, Tips & Tricks:**
- When you fill them, put the rocks or sand in a ziplock before placing them in the bag. Empty and clean such bags before returning them.
- Full sandbags should be about 20 lbs.
- Use them properly, the zippers can break easily.

---

Above: Sandbags are also another very useful item. They help keep all your equipment safe. Always have a sandbag on a stand if there is a light on it, and use two of three if you have extras.
Gobo Arm

Cardellini Clamp
Ratchet Strap

Kit ID: Ratchet Strap
Kit Contents:
Ratchet Strap

Non-Reservable Item

C-Clamps (4” and 6”)

Kit ID: 4inch C-Clamps
or 6inch C-Clamps
Kit Contents:
C-Clamp
Bead Board Holder

Non-Reservable Item

Kit ID: Bead Board Holder
Kit Contents:
Bead Board Holder

Notes, Tips & Tricks:
• Makes clamping a bounce board to a C-Stand easy. This item has many different names, duckbills, platypus...

Bounce Board (Large, Medium, Small)

Non-Reservable Item

Kit ID: Bounce Board
Kit Contents:
Bounce Board (Large, Medium or Small)
Magic Arm

Non-Reservable Item
Kit ID: Magic Arm
Kit Contents:
Magic Arm

Magic Arm Camera Platform

Non-Reservable Item
Kit ID: Magic Arm Camera Platform
Kit Contents:
Magic Arm Camera Platform
Flare Dinkum French Flag

Non-Reservable Item

Kit ID: Flare Dinkum French Flag

Kit Contents:
Flare Dinkum French Flag

Grip Clips (Small, Medium & Large)

Non-Reservable Item

Kit ID: Grip Clip LG, MED, or SM

Kit Contents:
Grip Clip LG, MED, or SM
Mafer Clamp Insert

Non-Reservable Item
Kit ID: Mafer Clamp Insert
Kit Contents: Mafer Clip Insert

Flexi-Shaft Grip Clip

Non-Reservable Item
Kit ID: Flexi-Shaft Grip Clip
Kit Contents: Flexi-Shaft Grip Clip
Lowel Interlink w/stud

Non-Reservable Item

Kit ID: Lowel Interlink w/Stud
Kit Contents:
Lowel Interlink

Lowel Interlink Stud

Non-Reservable Item

Kit ID: Lowel Interlink Stud
Kit Contents:
Lowel Interlink Stud
Space Clamp

Non-Reservable Item

Kit ID: Space Clamp
Kit Contents:
Space Clamp

Notes, Tips & Tricks:
• The Space Clamp is a good tool to use to attach lights to beams and other objects that the C-Clamps aren’t big enough to get around. However try not put a bunch of weight on them.

Dual-Stud for Space Clamp

Non-Reservable Item

Kit ID: Dual-Stud for Space Clamp
Kit Contents:
Dual-Stud for Space Clamp
Walkie Talkies

Kit ID: Walkie Talkies
Kit Contents:
Two Walkie Talkies
Know the “West Virginia Law”: Watts = Volts x Amps. Most circuits are 120 volts and 15 to 20 amps. Check the lights for wattage ratings and calculate your amp load to make sure you are not plugging too many lights into one circuit.
How to Easily Calculate the Conversion of Volts – Amps & Watts

Basic electric theory states that:

**Volts** are a measure of the force or pressure under which electricity flows.

**Amps** are a measurement of the current flow rate of electrons.

**Watts** is a measurement of electrical power created. 1 watt is equal to one joule of energy per second.

For an example of how the conversion chart works, let's assume a solar panel rated at 60Watts, 12Volts and 5Amps.

**Watts is Volts times Amps.** To use the chart, cover the W in the chart with a finger and use the remaining visible chart calculation of V multiplied by A. Using our sample panel data, 12 Volts multiplied by 5 Amps equals 60 Watts.

**Volts is Watts divided by Amps.** To use the chart, cover up the V with your finger and use the remaining chart calculation of W divided by A. Using our sample panel data, 60 watts divided 5 Amps equals 12 Volts.

**Amps is Watts divided by Volts.** To use the chart, cover up the A with your finger and use the remaining chart calculation of W divided by V. Using our sample panel data, 60 watts divided by 12 volts equals 5 amps.

Originally by Rick Contrata, thanks Rick!
Source http://www.atlantechsolar.com/calculate_volts_amps_watts_conversion.html
Dimmer Kit & Power Accessories

**Reservable Item**

**Kit ID:** DIM  
**Kit Contents:**  
1000w Dimmer  
600w Dimmer  
600w Dimmer  
Dimmer Kit Case

**Notes, Tips & Tricks:**  
- Pay attention to wattages on the dimmers. A 650w light WILL destroy a 600w dimmer.  
- Very useful for dimming practicals, china balls and accent lighting.  
- Be aware - color temperature decreases when light is dimmed, lights will be more orange.

**Non-Reservable**

**Kit ID:** Power Accessories  
**Kit Contents:**  
Single Extension Cords

**Notes, Tips & Tricks:**  
- Reserve single extensions and other items if you don’t need an entire extension cord package.

**Above:** A single stinger.  
**Above:** When running many small lights, power strips are useful.  
**Above:** 3-Way stingers usually can’t handle as many amps as regular stingers.  
**Above:** Ground Lifts and Cube taps are helpful for adapting or adding additional outlets.
Extension Cord Kit

**Kit ID:** EX1-EX9

**Kit Contents:**
- 3-Way Stinger
- Box
- Crate
- Cube Tap
- Cube Tap
- Ground Lift
- Ground Lift
- Ground Lift
- Ground Lift
- Ground Lift
- Power Strip
- Short Stinger
- Stinger
- Stinger
- Stinger
- Stinger
- Socket Tester

---

**Notes, Tips & Tricks:**
- Check to make sure that the kit number on the cords and crate match when packing.
- Remove tape (that may have been used to secure cords to the floor, wall, etc.) when returning, otherwise they get sticky and difficult to wrap and unwrap.
- Coil all of the cords so that they are approximately the same size and fit neatly into the crate.
- Ground lifts are used to plug a grounded edison plug into a non-grounded socket. Do not remove grounded ends on extension cords!

---

**Below:** Extension cord kits are a must for every shoot with some lights. Most senior films will use two of them. If one stops working please mark it and tell us.

**Above:** Cube tap, for splitting a socket.

**Below:** Ground lift for sockets without a ground wire.
Light Pole & Single Light Stands

**Light (Extension) Pole**

**Notes, Tips & Tricks:**
- Extends from 2'10” to 5’2”
- Can be checked out in addition to other light kits as a supplement.

**Kit ID:** Light Pole 1-3  
**Kit Contents:**  
Light Pole

*Right:* Light poles are great for putting a china ball off the end of a C-Stand and extending it further out than would normally be possible with just a C-Stand arm.

**Single Light Stands**

**Notes, Tips & Tricks:**
- Necessary for some kits, make sure you check one out with:
  - Arri Kit, Type 3 (1)
  - Arri Kit, Type 4 (1)
  - HMI Kit (1)
  - Lowel SGK (2)
  - Lowel Pro Kit (2)
  - Ambi Kit (1)
  - L-light Kit (1)
  - Single Broad Lights
  - Single Scoop Lights
- Only available if required for one of the above kits, not as a supplement to otherwise complete kits such as the Arri Lighting Kits or Mole Combo Kits.

**Kit ID:** Single Light Stand 1-14  
**Kit Contents:**  
Single Light Stands

*Above:* Extra light stands are great to have around, and some lighting kits don’t come with stands or with enough stands for every light in it. Make sure you know how many you need.
LIGHTING KITS

If a lamp burns out, bring it back to checkout. You will not be charged for the lamp if you bring it back; you will be charged if you do not.

Use gloves to replace the blown lamp with the correct spare lamp from the kit. Oil from your bare fingers can cause the lamp to overheat and explode.

Make sure lights are turned off before plugging them in.

Know the “West Virginia Law”: Watts = Volts x Amps. Most circuits are 120 volts and 15 to 20 amps. Check the lights for wattage ratings and calculate your amp load to make sure you are not plugging too many lights into one circuit.

\[ W = VA \]

When using a dimmer, the color temperature will get increasingly warmer as the light is dimmed.

Allow lights to completely cool before packing them back into their kits.
Arri Kit (Type 1)

**Kit Information:**

**Number of Lights:** 4  
**Wattages and Codes:** 300w(FKW), 2 x 650w(FRK), 1000w(DXW)  
**Max Wattage of Kit:** 2600w  
**Number of Light Stands:** 4  
**Color Balance:** Tungsten (3200K)

**Notes, Tips & Tricks:**

- When using the Chimera Soft Box, make sure to leave the top flap open and the others loose to avoid causing the light to overheat and melt itself.  
- C-47’s no longer come with the kit, but sometimes they are left inside by other people.  
- Wrap power cords starting at the light to end of cord (see above photo.)  
- Pack lights face up.  
- If the case won’t close properly don’t force it, open it up and find out what is blocking it, usually a cord.

---

**Kit IDs:** A1 - A2  
**Kit Contents:**  
1K Barn Doors  
1K Double Scrim  
1K Open Face Light  
1K Single Scrim  
300 Barn Doors  
300 Double Scrim  
300 Light  
300 Single Scrim  
650 Barn Doors  
650 Barn Doors  
650 Double Scrim  
650 Double Scrim  
650 Light  
650 Light  
650 Single Scrim  
650 Single Scrim  
Case  
Chimera Adaptor Ring  
Chimera Shell  
Chimera Soft Box  
Chimera Large Silk  
Chimera Rods  
Chimera Rods  
Chimera Rods  
Chimera Rods  
Chimera Small Silk  
Grip Bag  
Lamp Box  
Light Stand  
Light Stand  
Light Stand  
Light Stand  
Scissor Clamp  
Scrim Bag  
Work Gloves

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**Reservable Item**

Below: The Arri kit type one nicely packed up. The cables are all wrapped correctly.

Above: The lights included in the Type 1 Arri Kit.


**Arri Kit (Type 2)**

**Kit Information:**

*Number of Lights:* 4  
*Wattages and Codes:* 1x Arri 150w, 1x Arri 300w, 1x Omni 500w, 1x Arri 650w.  
*Max Wattage of Kit:* 1600w  
*Number of Light Stands:* 4  
*Color Balance:* Tungsten (3200K)

**Notes, Tips & Tricks:**

- When using the Chimera Soft Box, make sure to leave the top flap open and the others loose to avoid causing the light to overheat and melt itself.  
- Wrap coils from light to end of cord (see photo on opposite page.)  
- Pack lights face up.  
- If the case won’t close properly don’t force it, open it up and find out what is blocking it, usually a cord.

**Kit IDs:** A3 - A5  
**Kit Contents:**  
- 650 Barn Doors  
- 650 Double Scrim  
- 650 Open Face Light  
- 650 Single Scrim  
- 650 Barn Doors  
- 300 Barn Doors  
- 150 Barn Doors  
- 650 Double Scrim  
- 300 Double Scrim  
- 150 Double Scrim  
- Arri 300 Light  
- Arri 150 Light  
- Omni 500 Light  
- 650 Single Scrim  
- 300 Single Scrim  
- 150 Single Scrim  
- Case  
- Chimera Adaptor Ring  
- Chimera Shell  
- Chimera Soft Box  
- Chimera Large Silk  
- Chimera Rods  
- Chimera Rods  
- Chimera Rods  
- Chimera Small Silk  
- Grip Bag  
- Lamp Box  
- Light Stand  
- Light Stand  
- Light Stand  
- Scissor Clamp  
- Scrim Bag  
- Work Gloves  

**Below:** The Arri kit type two nicely packed up. The cables are all nicely wrapped.

**Left:** The lights themselves.
Broad & Scoop Lights

**Broad Lights**

**Kit Information:**
- **Number of Lights:** 1
- **Wattages and Codes:** 1000w(FHM)
- **Max Wattage of Kit:** 1000w
- **Number of Light Stands:** 0
- **Color Balance:** Tungsten (3200K)

**Notes, Tips & Tricks:**
- Does not come with a stand, you must request one.
- Throws light in one direction, very general.
- Barn doors can fall off easily, make sure you don't lose them.

**Reservable Item**

**Kit ID:** Broad 1-5
**Kit Contents:**
- Broad Light

**Scoop Lights**

**Kit Information:**
- **Number of Lights:** 1
- **Wattages and Codes:** 1000w(FEL)
- **Max Wattage of Kit:** 1000w
- **Number of Light Stands:** 0
- **Color Balance:** Tungsten (3200K)

**Notes, Tips & Tricks:**
- Does not come with a stand, you must request one.
- Throws light in one direction, very general.

**Reservable Item**

**Kit ID:** Scoop 1-2
**Kit Contents:**
- Scoop Light

**Reservable Item**

**Kit ID:** Scoop 1-2
**Kit Contents:**
- Scoop Light

Below: The broad is a good source of general lighting, but it's not the easiest light to control.

Above: The scoop is similar to the broad in that it is good for general lighting. The shape of the light source is the main difference between the two.
C-Clamp Tota Kit

Kit ID: CT1-CT2
Kit Contents:
Crate
Light
Light
Light

Kit Information:
Number of Lights: 3
Wattages and Codes: 1000w(FHM) x 3
Max Wattage of Kit: 3000w
Number of Light Stands: 0
Color Balance: Tungsten (3200K)

Notes, Tips & Tricks:
• VERY HOT & BRIGHT!
• Attach to a pipe or the thick part of a C-stand, don't try to clamp them to the knuckle.
• Making a snoot out of black wrap will give greater control over light.
• Hot enough to melt gels. Do not attach gels directly to barn doors. Use a snoot and attach gel at least 3” from the fixture.

Left: All three lights with their barn doors open. These lights get hotter than any other light checkout has. Make sure you wear leather gloves when you touch them or you will burn yourself.
Cool Lux Kit

**Kit ID:** C1 & C2

**Kit Contents:**
- Barn Doors
- Barn Doors
- Barn Door Clamp
- Barn Door Clamp
- Barn Door Clamp
- Light Clamp
- Light Clamp
- Metal Platform
- 30 watt Micro-Lux Candlepower Light
- 250 watt Mini-Cool MR-16 Light
- 250 Mini-Cool MR-16 Light
- Mounting Tube
- Mounting Tube
- Mounting Tube
- Power Cord
- Power Cord
- Screen
- Screen Frame
- Stand
- Stand
- Umbrella
- Dimmer
- Grip Clip
- Case

**Kit Information:**

- **Number of Lights:** 3
- **Wattages and Codes:** 2 x 250w(FOS), 150w(EKB)
- **Max Wattage of Kit:** 650w
- **Number of Light Stands:** 2
- **Color Balance:** Tungsten (3200K)

**Notes, Tips & Tricks:**
- The Cool Lux lights do not heat up as much as other lights. This can be useful when shooting extended interviews or other situations when subjects might be likely to sweat under hotter lights.
- Screw caps are plastic and will melt against the lights if left too close to them for too long.
- Light mount must be manually attached before each use.
- The 150w light has just a DC plug adapter. It can’t be powered through wall outlets.

Above: the lights with a softbox attached.

Above: the kit packed correctly.
LIGHTING KITS

Kit ID: HMI1 & HMI2

Kit Information:
- Number of Lights: 1
- Wattages and Codes: 200w (MSR 200 HR)
- Max Wattage of Kit: 200w
- Number of Light Stands: 1
- Color Balance: Daylight (5600K)

Notes, Tips & Tricks:
- Needs light stand.
- Do NOT charge the battery through the ballast; the power cable is in the battery pack.
- These lights are Daylight (5600K) balanced, not Tungsten.

Kit Contents:
- Power Cord
- Accessory Case
- Ballast
- Barn Doors
- Battery Belt
- Chimera Ring
- Chimera Softbox
- Extra Bulb
- Lenses
- Light
- Pelican Case
- Power Cord
- Light Stand

Above: accessories, including lenses, power cords, ballast, spare lamps, battery belt, chimera case, barn doors and chimera adapter ring.

Above: battery belt. Should not be plugged into wall outlet while it is being used to power light.

Left: The kit packed correctly.
**Kino-Flo Kits**

**Daylight Kinos**

**Kit ID:** K1-K3  
**Kit Contents:** Ballast, Bank Shell, Box, Egg Crate, Power Cord, Twist-On Mount

**Kino-Flo Kits**

**Kit ID:** K4-K6  
**Kit Contents:** Ballast, Bank Shell, Box, Egg Crate, Power Cord, Twist-On Mount

**Kit Information:**

*Number of Lights:* 4  
*Wattages and Codes:* 45w (Daylight Kino) x 4  
*Max Wattage of Kit:* 180w  
*Number of Light Stands:* 0 (Use C-Stands)  
*Color Balance:* Daylight (5600K) and Tungsten (3200K)

**Notes, Tips & Tricks:**

- Good, soft light - excellent in many situations.  
- Tubes can be detached from shell and placed separately.  
- Needs to be attached to a Matthews C-stand.  
- The egg crates for the front of the light are very fragile.  
- Use attached "hair-tie" cable ties to take the stress off of the cords.  
- Turn lights off when switching between 2ft. and 4ft. throw.  
- If you remove the tubes, make sure you replace them and connect them correctly (plug in ends are color-coded.)  
- Cases are breaking and unreliable - SUPPORT THE BOTTOM WHEN CARRYING!

**Reservable Item**

Daylight Kinos  
Tungsten Kinos

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*Right:* The Kino is a great light for small spaces because it doesn’t get hot. Daylight Kino tubes have blue ends; tungsten tubes have orange ends.

*Above:* The back of the Kino ballast has a switch so you can turn on or off each individual tube. It also has a lamp strength switch.

*Right:* The ends of Daylight Kino tubes are blue, and the ends of Tungsten tubes are orange. They can be mixed and matched between fixtures, but make sure they are returned to their proper kits.

*Above:* The back of the Kino bank shell has a spot for a twist on mount and little things that look like hair ties. Run the cables for the kind through them to ease the strain on the cables.
iKan LEDs

Kit ID: iKan LED Lights
Kit Contents:
- AC Adapter x 2
- Barn Door x 2
- Battery Charger x 2
- Car Charge Adapter x 2
- Case
- Compact Light Stand x 2
- Frosted Panel x 2
- Light x 2
- Quick Start Guide
- Sony Battery x 4
- Ultra-Heavy Duty Camera Shoe
- Mount x 2

Kit Information:
- Number of Lights: 2
- Number of Light Stands: 2
- Color Temp: 3200-5600K
Reservable Item

Kit ID: L1-L3
Kit Contents:
Barn Doors
Barn Doors
Barn Doors
Case
Extension Cord
Extension Cord
Extension Cord
Light
Light
Light

Top Right: The L-Light is basically a light socket rated to 660 watts so you can put photo floods in it, and attach barn doors.

Above: Kit in its case.

Kit Information:
Number of Lights: 3
Wattages and Codes: 3 x L-Light (40-500w Incandescent)
Max Wattage of Kit: 1500w
Number of Light Stands: 0
Color Balance: Tungsten (3200K)

Notes, Tips & Tricks:
• No stands included in kit - ask for some.
• Great for accent lighting.
• Work well with dimmers.

Above: All the items from the L-Light kits. There are three of each item.
Mickey Mole Kit

Below: The Mickey Mole kit is a great kit for raising overall because of it's sheer wattage and output.

Kit ID: MM

Kit Contents:
- Barn Door Crate
- Barn Door Extension
- Barn Door Extension
- Barn Door Extension
- Barn Doors
- Barn Doors
- Barn Doors
- Grad. Scrim
- Light
- Light
- Light
- Light Case
- Light Stand
- Light Stand
- Light Stand
- Scrim
- Stands Case

Kit Information:
- Number of Lights: 4
- Wattages and Codes: 4 x 1000w (FBY)
- Max Wattage of Kit: 4000w
- Number of Light Stands: 4
- Color Balance: Tungsten (3200K)

Notes, Tips & Tricks:
- Lot of output in kit - good for large space lighting and outdoors at night.
- Pack lights face down.
- Legs on stands don't lock, be careful.

Left: All three cases that come with the Mickey Mole kit.
Mole Combo Kit

**Kit IDs:** MC1 - MC5

**Kit Contents:**
- 650 Barn Doors
- 650 Barn Doors
- 650 Double Scrim
- 650 Double Scrim
- 650 Double Scrim
- 650 Double Scrim
- 650 Half Double Scrim
- 650 Half Double Scrim
- 650 Half Single Scrim
- 650 Half Single Scrim
- 650 Light
- 650 Light
- 650 Open Frame
- 650 Open Frame
- 650 Scrim Bag
- 650 Scrim Bag
- 650 Single Scrim
- 650 Single Scrim
- 650 Double Scrim
- 650 Double Scrim
- 650 Light
- 650 Double Scrim
- 650 Open Frame
- 650 Open Frame
- 650 Scrim Bag
- 650 Scrim Bag
- Case
- Lamp Box
- Light Stand
- Light Stand
- Soft Box Egg Crate
- Soft Light
- Solf Box Double Scrim
- Solf Box Open Frame
- Solf Box Open Frame
- Solf Box Scrim Bag
- Solf Box Single Scrim

**Reservable Item**

**Kit Information:**
- **Number of Lights:** 3
- **Wattages and Codes:** 2 x 650 (FRK), 1 650(FAD) Soft Light
- **Max Wattage of Kit:** 1950w
- **Number of Light Stands:** 3

**Notes, Tips & Tricks:**
- Softbox does not produce a lot of light.
- Mole lights are packed on their sides with cables coiled neatly and placed on top (see picture.)
- Good general lighting kit for any type of project.

*Below:* All the scrims and scrim bags that go with the Mole Combo kit.

*Below:* The three lights that come in the Mole Combo kit.

*Above:* The Mole Combo kit nicely put away in its case.
**Arri Max Kit**

**Kit ID:** Arri Max Kit

**Kit Contents:**
- 1K Barn Door x3
- 1K Double Scrim x3
- 1K Gel Frame x3
- 1K Single Scrim x3
- 3-Way 14-Gauge Blue Stinger
- Ari Max #1 Lamp Box
- Glove Bag
- Gloves
- Hard Case
- Light 1K x3
- Light Stand x3
- Light Stand Mount x3
- Lock Handle x3
- Scrim Bag

**Kit Information:**
- **Number of Lights:** 3
- **Wattages and Codes:** 3 x 1000w (FBY)
- **Max Wattage of Kit:** 4000w
- **Number of Light Stands:** 3
- **Color Balance:** Tungsten (3200K)

**Notes, Tips & Tricks:**
- Use blue stinger to run two 1Ks off of one stinger.
- Know your circuits! 15 Amp. breaker will not hold two 1Ks but 20 Amp. will.
- Use gloves to take out lamps.

**Below:** All the contents of the Max Kit.

**Above:** A 1000 on a stand.

**Left:** All three lights packed nicely in one case.
**Arri Mini Kit**

**Kit Information:**

- **Number of Lights:** 4
- **Wattages and Codes:** 2 x 150w, 2 x 300w
- **Max Wattage of Kit:** 900w
- **Number of Light Stands:** 4

**Notes, Tips & Tricks:**

- This is a nice kit for an interview setup. However, as there is no lightbox in the kit, an additional flag kit is recommended.

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**Reservable Item**

**Kit IDs:** Arri Mini

**Kit Contents:**

- 150 Barn Door x2
- 150 Double Scrim x2
- 150 Gel Frame x2
- 150 Single Scrim x2
- 300 Barn Door x2
- 300 Double Scrim x2
- 300 Gel Frame x2
- 300 Single Scrim x2
- Gloves
- Hard Case
- Light 150 x2
- Light 300 x2
- Light Stand x4
- Scissor Clip
- Scrim Bag

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**Above:** The two kinds of lights that come in the Mini kit.

**Below:** All the contents of the Mini Kit

**Above:** The Mini kit nicely put away in its case.
MISCELLANEOUS
Digital Projectors

Kit ID: DP
Kit Contents:
- Projector
- Case
- Remote
- Power Cable
C-Clamp Board, Duffel Bags & Red Coolers

**Reservable Item**

**Kit ID:** CBoard

**Kit Contents:**

C-Clamp Board

**Notes, Tips & Tricks:**

- This board could be used for many things. It is drilled so that a high hat can be attached to it. It can then be attached to a pipe.
- It can be used to hang a camera or projector from the grid in Studio B.

**Above:** C-Clamp board is used to mount a camera to the grid in Studio B.

**Reservable Item**

**Kit ID:** Duffel

**Kit Contents:**

Duffel Bag

**Notes, Tips & Tricks:**

- Great for consolidating and keeping track of small items such as sound gear.

**Above:** Duffel bags are great for keeping track of a lot of small items.

**Non-Reservable**

**Kit ID:** Red Coolers

**Kit Contents:**

Red Cooler

**Above:** Coolers are intended for use by craft services.

**Field Safety Kit & Fire Extinguisher**
Field Safety Kit & Fire Extinguisher

**Reservable Item**

**Kit ID:** FS  
**Kit Contents:**  
- Duffel Bag  
- First Aid Kit  
- Safety Vest x10  
- Tarp  
- Fire Extinguisher  
- Walkie Talkies

**Notes, Tips & Tricks:**  
- Great for outdoor locations near traffic and the general public.

**Below:** The field safety kit is a good thing to have if you are shooting near a road or all night outside.

**Reservable Item**

**Kit ID:** Fire Extinguisher  
**Kit Contents:**  
- Fire Extinguisher

**Notes, Tips & Tricks:**  
- Emergency item that can save your (insert noun here). Important if you expect to be dealing with anything combustible, even if the script doesn’t call for fire.

**Below:** If something in your script calls for a fire, please check this out too.
16mm Film Projectors

Reservable Item

Kit ID: 16mm Projector

Kit Contents:
- Projector
- Lens

Notes, Tips & Tricks:
- Film Checkout has several 16mm projectors of various models.
SOUND ACCESSORIES
SOUND ACCESSORIES

Boom Poles & Stereo Array Bar

Kit IDs: BP1 - BP12
BP1 & BP2
WBP1 & WBP2

Kit Contents:
Boom Poles

Notes, Tips & Tricks:
• Some have internal cables.
• They come in varying sizes. If you know what kind of space you will be shooting in, ask at Checkout for an appropriate boom and they will attempt to accommodate you.
• Do not pull cord on wired boom poles. If it does not close all the way, open and close it starting at the bottom.
• Do not close the boom all the way, leave about an inch between segments.

Above: Boom poles come in different sizes, evaluate your script and see what you need. Boom pole #11 (top in the photo) is really long.

Reservable Item

Kit IDs: 1-6

Kit Contents:
Stereo Array Bar

Notes, Tips & Tricks:
• Used to record SFX in a stereo array.
• You need a microphone stand or a boom pole with an adapter to set up.
• All sound effects should be recorded in stereo.

Above: Use these and two microphones to record sound effects in stereo.
Microphone Stands

Non-Reservable

Kit IDs: DS1 - DS5
Kit Contents:
Desk Mic Stands

Left: Desk Microphone stand. Great for doing some ADR off a table.

Non-Reservable

Kit IDs: FS1-FS3, FS5-FS6
Kit Contents:
• Floor Mic Stands

Notes, Tips & Tricks:
• You may want to check out a sandbag with the floor microphone stand, depending on which microphone you are using.

Above: The floor microphone stand is great for doing ADR and other things when you don’t have a table for a desk microphone stand.

Boom Basket to Mic Stand Adapter

Notes, Tips & Tricks:
• You can use this to attach a microphone that is held by a boom basket or shock mount to a microphone stand.
Mic Pop Filter & Parabolic Mic Holder

**Reservable Item**

**Kit ID:** Mic Pop Filter  
**Kit Contents:** Pop Filter

**Notes, Tips & Tricks:**  
- Used to reduce plosives (“p” sounds) and other breath noises when recording voices.

Above: The microphone pop filter is great for stopping unwanted breath noise.

**Reservable Item**

**Kit ID:** PR  
**Kit Contents:**  
Parabolic Reflector  
Case

**Notes, Tips & Tricks:**  
- Used to capture sounds at a great distance.  
- Very directional.  
- You must reserve a (cardioid) microphone separately.  
- Has a 3/8-16 mount on the bottom so it can be attached to a tripod.

Above: The Parabolic reflector is great for spotting events and doc shoots when you are unable to get close to the action of whatever is going on.
Headphones

Above: These headphones are good for general listening to something on the computer.

Kit IDs: 1 - 10
Kit Contents:
Sony MDR-7506
Bag

Notes, Tips & Tricks:
• Do not use for accurate sound mixing, but good for general editing.
• When wrapping cables to return, do not wrap the cord around the headphones.
  Cord should return wrapped in the method demonstrated in the photo.

Above: These headphones are great all around and are better than the Sennheiser's for mixing audio on the computers in the NLE.

Kit IDs: 1 - 15
Kit Contents:
Sennheiser HD-201

Notes, Tips & Tricks:
• Flat response, great for mixing.
• When wrapping cables to return, do not wrap the cord around the headphones, just dangle the cord into the bag and put the headphones on top of it.
• Make sure the bag number matches the headphone number.
SOUND ACCESSORIES

Boom Pole Holder

Kit ID: Boom Pole Holder

Kit Contents:
Boom Pole Holder

Notes, Tips & Tricks:
- Fits on C-Stands and Mic Stands
- Holds Boom Pole in Fixed Position
- Hands Free Operation
- Coated To Protect Your Boompole
- Extra-Wide Yoke Permits Easy Positioning
- No Clamping Jaws to Stress Your Boompole
- Reduces Operator Fatigue

Non-Reservable Item
“Dynamic” means that the microphone requires no additional power.

“Condenser” means that the microphone requires power (Phantom or Battery) and is slightly more fragile.

Having a “cardioid” pickup pattern means that a microphone picks up more sound information in front of it than behind it or beside it.

Having a “super (or hyper) cardioid” pattern means that a microphone is more directional and picks up much more information in front of it than behind it or beside it. “Shotgun” or “boom” microphones are super cardioid.

Having an “omni” pickup pattern means that the microphone will pick up sound fairly equally in all directions.

DO NOT use a battery when a microphone is already connected to phantom power.
SOUND MICROPHONES

Cardioid

Electro-Voice RE-15
Notes, Tips & Tricks:
• Cardioid Dynamic Microphone
• For sound effects recording and vocals.

Kit IDs: RE-15 #1-RE-15 #5
Kit Contents:
RE-15 Mic
Case

Electro-Voice RE-16
Notes, Tips & Tricks:
• Super-Cardioid Dynamic Microphone
• For sound effects recording and vocals.

Kit IDs: RE-16 #1 - RE-16 #2
Kit Contents:
RE-16 Mic
Case

Nady CM-90
Notes, Tips & Tricks:
• Cardioid Condenser Microphone
• Good for recording sound effects and instruments.

Kit IDs: Nady1-Nady4
Kit Contents:
Nady CM-90
Case
SOUND MICROPHONES

Cardioid

Rode NT3

Notes, Tips & Tricks:
• Cardioid Polar Response Condenser Microphone
• Great for sound effects, vocals and instruments.

Kit IDs: Rode1 - Rode2
Kit Contents:
Rode NT3
Case
Mic Holder

Audio Technica ATM 31a

Notes, Tips & Tricks:
• Cardioid Condenser Microphone
• Useful for sound effects recording or for handheld vocals.

Kit IDs: ATM1 - ATM2
Kit Contents:
ATM 31a
Case

AKG D190E

Notes, Tips & Tricks:
• Cardioid Dynamic Microphone
• Great for sound effects recording or for handheld vocals.

Kit IDs: AKG
Kit Contents:
AKG D190E
Case
**SOUND MICROPHONES**

Omni-Directional

**Sure SM58**

**Kit IDs:** SM58 #1 - SM58 #2  
**Kit Contents:**  
Sure SM58  
Case

**Notes, Tips & Tricks:**  
- Omni-Directional Dynamic Microphone  
- Good for vocals and all purpose recording.

**Electro-Voice RE-50**

**Kit IDs:** RE-50 #1 - RE-50#2  
**Kit Contents:**  
ATM 31a  
Case

**Notes, Tips & Tricks:**  
- Omni-Directional Dynamic Microphone  
- Good for handheld vocals or to capture room ambience.
Wireless LAV Kit

Kit ID: WL1 - WL3
Kit Contents:
Omni Lav Microphone
Wireless Transmitter
Wireless Receiver
Wireless Antenna
Wireless Antenna
Receiver Case
Case

Kit Information:
*Wireless Lav: Audio-Technica MT830c, Sennheiser G3’s.

Notes, Tips & Tricks:
• Range is short, approximately 20 meters for the AT, and 100+ meters for the Sennheisers.
Cardioid/Wired Lav Kit

Notes, Tips & Tricks:
• Variable Condenser Microphone
• Cardioid mic has a larger pickup pattern than most shotguns (less directional.)
• Good for quiet, indoor locations.
• These two mics are some of the highest quality in our arsenal. Especially the Neumann KM-150. They are more difficult to use, as they will pick up any unwanted noise, but if the conditions are right they will prove the best option.
• They are also a good option for foley work.

Kit IDs: CM1-CM2
Kit Contents:
CK91/Numann KM-150
Case
Power Supply (for KM-150)
Shock Mount
Wind Sock
Zeplin
Long XLR
XLR Splitter
Wired Lav
Sennheiser 816

**Notes, Tips & Tricks:**
- Super-Cardioid Condenser Microphone
- Very directional, good for noisy locations.
- Must use phantom power.

**Kit IDs:** 816

**Kit Contents:**
- Brush
- Case
- 816 Microphone
- Rycote Modular Windshield System
- Short XLR Cable
- Windjammer

Above: The 816 with the Rycote open so you can see the microphone.

Sennheiser ME-67

**Notes, Tips & Tricks:**
- Lobar (Hypercardioid) Condenser Microphone
- Very directional, good for noisy locations.

**Kit IDs:** ME-67

**Kit Contents:**
- Case
- MZH 70-1 Windscreen
- MZS 20-1 Shock Mount
- Microphone

Above: The ME-67, pictured here without its windscreen, is our second longest shotgun.
**Stereo Mic Kit**

**Kit ID:** SM-1

**Kit Contents:**
- CK 91: Microphone Capsule
- Microphone Power Source
- A91 Joint
- CK 94: Figure-8 Capsule
- Rycote Zeppelin
- XLR Cable
- Pelican Case
- Stereo Array Bar

**Kit Information:**

**Microphones:** AKG CK 98, 2x AKG CK 91.

**Notes, Tips & Tricks:**
- The CK 94: Figure-8 capsule is perfect for two-person interviews or scenes. The pattern allows you to put the microphone between the two, and keep it there. But make sure you are on the correct axis.
- The stereo mic set (2x CK 91 capsules) is great for ambient sounds or foley. The blimp isn’t quite as useful as the stereo bar (not pictured), but is good when a microphone stand isn’t easily available.
- The best way to create a stereo pair is to get the microphones as close as possible by tilting them 45 degrees toward each other. A good example is the stereo array on the Zoom recorder.

Above: the microphones, joints and power sources.

Above: accessories, including shock mount, blimp, windscreen, foam heads and XLR cables.
Sound Kit

Kit ID: S1 - S18

Kit Contents:
- Shotgun Capsule
- Shotgun Power
- Rycote Softie
- Boom Basket
- Boom Pole
- Wired Lav Power*
- Wired Lav Mic*
- Wireless Mic
- Wireless Transmitter x2
- Wireless Receiver x2
- Shure FP24 Mixer*
- Headphones
- 1/4" Adapter
- 25' XLR Cable
- XLR Extension x2
- XLR Splitter x2
- Duplex Cable
- Mini(M) to XLR(F)
- Mini(M) to XLR(M) x2
- Mini to Mini x2
- Mixer Portabrace Case*
- Pelican Case
- Silica Gel

*these items may not be included in all kits

Reservable Item
SOUND RECORDERS & MIXERS
Reservable Item

Kit ID: WL1 - WL3

Kit Contents:
- Recorder
- Battery Charger
- Battery
- Battery
- Battery
- Power Cord
- 4-Pin AC Power Supply
- XLR (M) to 5-Pin (F)
- XLR (M) to 5-Pin (F)
- Portabrace Case
- Pelican Case

Above: accessories, including power cord, power adapter, battery charger, batteries and XLR adapters.

Kit Information:
Format: DAT Tape

Notes, Tips & Tricks:
- This recorder does timecode.
Mackie Mixer & Nagra 3

**Mackie Mixer & Nagra 3**

**Kit IDs:** 1-2  
**Kit Contents:**  
Mackie Mixer

**Notes, Tips & Tricks:**  
- Great for studio mixing, not so great on location because it is so big. Good for situations with multiple microphones.

**Reservable Item**

**Nagra 3**

**Kit IDs:** Nagra  
**Kit Contents:**  
Nagra 3  
Case  
Power Supply  
Counter

**Kit Information:**  
*Mixer or Recorder:* Recorder  
*Channels In:* 2

**Notes, Tips & Tricks:**  
- Uses 1/4” Magnetic tape - an analog recorder, not digital.  
- Requires 9 D-cell batteries.  
- Very heavy.
Sound Devices 302

Kit Information:
- **Mixer or Recorder:** Mixer
- **Channels In:** 3 XLR-in
- **Channels Out:** 2 XLR-out

Notes, Tips & Tricks:
- Can go between a digital camera and microphone so that the recorded camera sound is already in sync and of higher quality.
- Make sure small switches are set appropriately for your recording purpose. (Consult manual.)
- Takes three AA batteries.
- Checking out a manual is recommended. Theo Lipfert is also a good source of information.
- The pre-amps in the SD 302 are MUCH nicer than those in the 702 or 722. You get a better recording if you mix into the 302, and then record into the 702 via a line input.

Kit IDs: SDM 1 - SDM 3

Kit Contents:
- Sound Devices 302
- 1/4in. to 1/8in. Adapter
- Case

**Reservable Item**

Above: Take advantage of this mixer’s preamps (better quality than the cameras) and full meter L.E.D.

Above: The 302 has two out puts, great for running into a camera.

Above: The 302 has three inputs so you can mix down to two.
Sound Devices 722 & 702

Kit IDs: HDR 1 - HDR 6

Kit Contents:
- 1/8in. to 1/4in. Adapter
- Body
- CF Card
- CF Case
- CF Reader
- Case
- Power Supply
- TA3-F to XLR-M
- TA3-F to XLR-M
- USB 2.0 Cable

Kit Information:
- Mixer or Recorder: Recorder
- Channels In: 2

Notes, Tips & Tricks:
- Records to a device-internal hard drive and then transfers via 6-pin firewire to a computer, or, preferably, via enclosed compact flash reader.
- Use the compact flash reader to transfer data - the firewire ports are continually being damaged by attachment in an incorrect order.
- 722 Can record to both hard drive and compact flash simultaneously.
- If connecting to computer with firewire, make sure all power is off when connecting firewire, then turn on computer and recorder.
- Will take any Sony L-Series battery.
- We have both the SD 722 and 702. Functionally these two recorders are exactly the same, except that the 722 also allows the user to record to an 80GB internal Hard Drive. This is extremely good for back-up!
Zoom H4N

Above: The Zoom H4N has a stereo pair microphones, which are perfect for ambiance recording.

Left: The Zoom also has two XLR inputs... although gain cannot be controlled separately.

Kit IDs: Zoom1-Zoom6

Kit Contents
Zoom Recorder
SD card
SD card case
Green Zoom case
Hand Hold handle
Instruction Manual
Power Supply
Card Reader
Card Reader USB cable

Kit Information:
Mixer or Recorder: Recorder
Channels In: 2

Notes, Tips, $ Tricks:
• Records four tracks to an SD card.
• Offers the option to record to two XLR inputs and or a stereo pair attached to the top.
• The gain for the XLR inputs cannot be controlled separately!
• Every time a the SD card is cleaned, the files are renamned, which means that several files have the same name. It is best to batch change the file names each time the card is dumped.
• Do no attempt to use phantom power, it will kill your batteries immediately!
EXPENDABLES

- DVCAM Tape
- Sony HDV Tape
- Panasonic MiniDV Tape
- Sony MiniDV Tape
- A Variety of CD/DVD Cases
- Chip Chart
- Incandescent Bulb (Various Wattages)
- Lens Blower (Red Rocket)
- Photoflood Daylight Balanced Bulb
A wide variety of gels and diffusion.

- Blackwrap
- X-Acto Scalpel
- Compressed Air
- Silica Pellets (To keep things dry.)
- Fog Fluid
- Duvetyne
**EXPENDABLES**

- Paper Tape
- Gaff Tape
- C 47’s
- CF Cards (8Gb & 16Gb)
- SD Cards
- Birchwood Sticks
- Brush blower
- China Marker
- Micro SD card
# EXPENDABLES

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<tr>
<th>Checkout Expendables</th>
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<tbody>
<tr>
<td><strong>Tape</strong></td>
<td><strong>Price</strong></td>
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<tr>
<td>Paper Tape - 1/4&quot;, 1/2&quot;</td>
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<tr>
<td>Canned Air</td>
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<tr>
<td>Lens Solution</td>
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<tr>
<td>Lens Paper</td>
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<td>Micro Fiber Lens Cloth</td>
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<tr>
<td>Blower Brush Tool</td>
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<td>Orange Wood Sticks</td>
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<td>Color Chart/gray card</td>
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<td>Tungsten 500w</td>
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<td>DVDVR w/paper sleeve</td>
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<tr>
<td>CDR w/paper sleeve</td>
<td>$1</td>
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<tr>
<td>Clamshell Case</td>
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| Nice DVD Cases       |  |
| Slim/Standard Single | $1 |
| Slim Double          | $2 |
| Triple               | $3 |

| Pelican Cases        |  |
| *Go to Amazon.com es muy cheap* |  |

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<td>Color Correction</td>
<td>$6.00/foot</td>
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<td>WHOLE ROLL</td>
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**MICRO SD CARD: 40.00**
STUDIO B

Features studio lighting grid and green screen

A projector screen and rolling TV cart are available for presentations and film screenings.
The lightboard is the controller of all the lights on the grid, also allowing you to set custom settings, cues, and dim the lights.

Triple section Cyclorama (Cyc) light.

1000w Scoop Lights

1000w Rolling Soflights

5k, 2k, and 1k Fresnel lights
Cabinet B: Green Kino-Flos

Above: Four ft. 4-bank kino-flo with green bulbs used for green screen lighting.

Below: Four ft. 4-bank kino-flo on riser combo stand using cardellini clamp for vertical setup.

Cabinet A:
Stingers, Sandbags, adapters, and barndoors

Kit Information:
Number of Bulbs: 4
Wattages and Codes: 4 x 75w Fluorescent
Max Wattage of Kit: 300w
Number of Light Stands: 1 Riser Combo Stand

Notes, Tips & Tricks:
• Cardellini clamp (NRI) use is ideal for vertical setup. Junior pin use is ideal for horizontal setup.
• Meant to be used for green screen use only.
• SUPPORT THE WEIGHT OF THE KIT WHEN CARRYING, the lights themselves should be picked up by at least two people especially during setup.

Kit ID: Studio B Cabinet B
Kit Contents:
Barn Doors
Bank Shell
Egg Crate Louver
Junior Pin
Riser Combo Stand
Safety Cable
Yoke/Handle

Below Four ft. 4-bank kino-flo on riser combo stand using junior pin for horizontal setup.
Studio B Grip Closet

**Non- Reservable Item**

**Kit ID:** Grip Closet

**Kit Contents:**
- 1in Square Frame Ear
- 24in.x18in. Double Net x2
- 24in. x 18in. Flag
- 24in. x 18in. Silk
- 24.in x 18in. Single Net
- 4ft.x4ft. Double Net x2
- 4ft.x4ft. Flag
- 4ft.x4ft. Silk
- 4ft.x4ft. Single Net
- 6ft.x6ft. 1/4 Grid Cloth
- 6ft.x6ft. Double Net
- 6ft.x6ft. Frame Half A x4
- 6ft.x6ft. Frame Half B x4
- 6ft.x6ft. Single Net
- 6ft.x6ft. Solid
- 6x6 Double Bag
- 6x6 Flag Bag
- 6x6 Silk Bag
- 6x6 Single Bag
- Baby C-Stand
- Bead Board Holder x4
- Black Cart Handle
- Crate x3
- Double High Roller x2
- Double High Roller Lolipop x2
- Grip Cart
- Ladder
- Long Bungee x2
- Mafer Clamp x4
- Mafer Clamp Pin x4
- Matthews 1in. Frame Ear x2
- Matthellini Clamp x4
- Matthews C-Stand x6
- Matthews Hollywood Corner x4
- Red Handle
- Short Bungee