



Manufacturers of trays, handles, pivots, arms, & adapters, for all your underwater photography needs



UltraLight makes a light weight arm system, the lightest aluminum system on the market. All arms and adapters have an o-ring in the ball portion. This greatly increases the friction forces at the joint, therefore, keeping the arms where you put them. UltraLight Control Systems offers a full line of trays, arms, adapters, and accessories for digital, film, and video camera systems. Feel free to call us at the numbers below to discuss your system's needs.

We think once you have tried our product you will agree it is the best, lightest weight, most convenient, and versatile on the market. It will be the last arm system you will have to buy  
Made in the USA.

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## GETTING STARTED

### DIGITAL

The first question we ask is what camera or housing are you using? If your camera is a digital in a housing, we make a digital tray (**TR-D**). This tray can take a handle (**TR-DHB**) for you take our arm system off the top of that handle. This tray can be made into a double tray (**TR-DUP**) (see pg. 3). You then add another handle or our ball adapter **AD-3816-2** as a base for your second strobe.

If you have a SLR housing and you want to mount our arms to it. **Aquatica, Sea and Sea and Nexus** have built in handles. We make adapters to fit on top of their handles. The most popular is the **BA-AQW**. We can supply it with metric or US threaded bolts. Please specify the housing you are using. If you have a **Sea and Sea** housing it may come with a plate (**BA-TP**) on top of the handle. We make an adapter to fit this plate. (**BA-TG**). (see pg. 4)

**Subal** housings come with a plate to mount Ultralight arms. You can mount a **BA-TG** on this plate or you can use a Ultralight Subal dovetail base or double dovetail base. (**BA-SU** or **BA-SUD**). Our **BA-SV** & **BA-SA** mount directly to the housing. (See pg. 4). Subal handles can be replaced with Ultralight handles **AC-H** and a bracket **TR-SC**. (See page 3).

The **BA-IK** fits Ikelite's quick release handle and the taller version **BA-IKT** accomodates the EV manual controller. (See pg. 4). Our tray, **TR-D** fits the small Ikelite housings. Our tray **TR-IK** fits the mid size point and shoot housings from Ikelite. An **Ikelite** video housing with an older style Ikelite handle uses our **AD-3816** on top of the handle after removing the plastic knob.

### ARMS & CLAMPS

The size of the arm segments is your next decision. You need to answer what type of photography are you going to do, macro, wide angle or both. Our most popular arm size is 8 inches. (**DB-08**). Two 8 inch segments with the three clamps, the base adapter, and the strobe adapter is 22 inches in total length. (See pg. 7). Other sizes: **DB-03, DB-05, DB-08, DB-12, DB-16**. Our system is based on two arm segments, three clamps (joint) (**AC-CS**), a base adapter and a strobe adapter. This gives you the greatest flexibility, with a joint at the strobe, one in the middle of two arms and one at the base. (See pg. 5&6).

### STROBE & VIDEO LIGHT ADAPTERS

Strobe adapter selection is easy. We make an adapter for every strobe or video light that is manufactured. If you have a strobe or light that we do not list just mention it to us and we probably have a solution, more than likely one of our universal mounts (See pg. 5, 7-8, 10). Spotting lights can also be added. (pg. 8, 10)

### NIKONOS

We have a single tray, **TR-NKS** that can be upgraded to a double tray in the future. We also make the "**Pivot**" the ultimate in double trays for the **Nikonos** (See pg. 9). After you decide on the tray or pivot, then you need to decide which handle to use. Our handles come with a nice rubber grip. The handle works best on the left side of the system. The handle can be fixed (**AC-H**) or a quick disconnect (**AC-HQD**) type. (See pg. 4) The handle will be your base adapter See two paragraphs above to select arms and clamps

### PIVOTS

Pivots, are the ultimate in a double strobe tray. Our pivot allows the photographer to convert his camera set up from horizontal to vertical in less time than it takes for his/her strobes to recycle. The strobes never need repositioning whether you've switched to the vertical or horizontal format. It can also be used for single strobe photography. We make pivots for the **Nikonos V**, the **RS**, **Tetra** housings, **Olympus PT** housings, and many other polycarbonate housings. Call to see if your housing will fit one of our pivots. (See page 9)

**CAMERA TRAYS & ACCESSORIES:** (photos below)

- TR-D Digital single tray for most Polycarbonate housings
- TR-DUP Upgrade your single tray to a double tray (for 2 strobes)
- TR-DUPL Longer upgrade than DUP, uses AC-H or AD-3816-2
- TR-DH Digital handle for digital tray (has 1/4-20 threads in it)
- AC-SPL For digital handle, mini light adapter with loc line
- TR-DHB TR-DH handle with ball attached (BA-HB ball adapter)
- TR-NKS Nikonos 2, 3, 4, 5, Sea & Sea Camera Single Tray  
(may be upgraded to a double tray) (Requires a handle or AD-3816)
- New** TR-V Tray for video housings, Epoque, Canon, Patima
- TR-IK For Ikelite mid size housing, Olympus Evolt housing,  
10.5" long. Uses AC-H or AC-HQD handles
- TR-SBLD Camera Housing Tray, double, (Subal, some Ikelite), 14.5"  
long. (requires one or two handles or AD-3816 to mount an arm set
- TR-RSS RS Camera Single Tray with Wrist Support
- TR-SC Bracket to mount Ultralight's handles to Sea Cam or Subal  
housings. (This is in place of the handle that comes with either housing)

**TR-SC**

This bracket and Ultralight's handle will replace the Sea Cam or Subal handle.



**CAMERA TRAYS**

From top to bottom:

- TR-NKS** Nikonos single tray
- TR-NKD** Nikonos double tray
- TR-SBLD** Housing tray, 14.5" long
- TR-RSS** RS camera tray with wrist support.



**TR-IK**

**Ikelite tray** and Handle  
To mount mid size Ikelite housings or Olympus Evolt housings. 10.5" long. Can be made into a double tray. Uses AC-H handle



**TR-DUPL**

Longer upgrade piece to make your single tray a double tray. Uses handle AC-H or AD-3816-2



**AC-H & AC-HQD (quick disconnect HANDLES WITH BALL**

(left in photo)  
To mount to single or double trays, or TR-IK, TR-SBLD trays and Nikonos pivots.



**TR-V Tray for newer video housings**  
Canon WP-V1, Epoque & Patima for Sanyo Xacti



**TR-D & TR-DHB**

Digital tray with handle for most digital housings, i.e. Olympus, Canon, Nikon, Sony, Minolta, Casio, Sea and Sea, Fuji, Panasonic & small Ikelite housings



**TR-D on small Ikelite Housing**

Request 12/28 bolts when ordering this tray for Ikelite



**TR-D & TR-DUP**  
**Double digital tray**

TR-DHB handle & AD-3816-2 adapter



**AC-LR**  
**LENS RELEASE TOOL**

For housings that you cannot get to the lens release button with your finger.



## BASE ADAPTERS: (most photos below)

	BA-AQW	Base adapter - Wide - for housing handles, specify US or metric screws
	BA-AQN	Base adapter - Narrow - for pivots, Halycon & Salvo video lights
New	BA-HSS	Base adapter for Amphibicio Phenom housings
	BA-DB	Dovetail Plate (Dovetail Female Groove), specify US or Metric screws
	BA-DT	Dovetail Adapter (Male) fits in the female plates
	BA-AD	Angled Dovetail adapter (Male) fits in the female plates
	BA-SU	Subal Dovetail Plate (Dovetail Female Groove)
	BA-SUD	Subal Double Dovetail Plate (Double Dovetail Female Groove)
	BA-SV	Fixed base adapter with ball for Subal housings
	BA-SA	Fixed base adapter with ball, angled for Subal housings
	BA-TP	"T" plate specify metric or US threads
	BA-TG	Base "T"-Groove, slides over (Amphibico and Sony video housings, Sea & Sea, Subal housing plates, also Ultralight's BA-TP)
	BA-LM	Light and Motion & Top Dawg video housing base adapter (pg 7)
	BA-IK	Base adapter for Ikelite's quick release handle
	BA-IKT	Base adapter for Ikelite's quick release handle, taller version to accept Ikelites EV manual controller
	BA-SP	Replacement plate for top of Subal Housing (6mm threaded hole)
New	BA-LMB	Ball for L&M Quickie release piece for their handles (see pg 9)



### BA-TP and BA-TG

For Sea & Sea, Amphibico, Sony, & Subal housings



### BA-DB (plate) with BA-DT & BA-AD

Bracket mounts with flat head screws. Used on pivots, trays or any housing. Will mount on holes 1" to 1 1/4" apart. **Specify housing to receive proper screws.**



### BA-AQW & BA-AQN

Base adapter - wide, for use on housing handles. Base adapter - narrow, for use on pivots and lights. Holes are 1 1/8" - 1 1/4" apart. Can be used with metric or US threads, **please specify what you are attaching it to.**



### BA-IK & BA-IKT

Base adapter for the Ikelite SLR quick release handle. Taller version will accommodate Ikelites TTL slave or manual controller



### BA-SU & BA-SUD SUBAL DOVETAIL & SUBAL DOVETAIL DOUBLE

Used with Subal Housings. The double one used on housings with only one mount or to add a spotting light.



### BA-SV & BA-SA BASE ADAPTER, SUBAL VERTICAL, SUBAL ANGLED

Bolts directly to any Subal housing



### BA-SP & AD-6mm

Replacement part for top of Subal housings - has a 6mm threaded hole to accept the AD-6mm



### BA-HSS

Base adapter for Amphibico Phenom housings



### AC-SPL

Spotting Light adapter for UK MiniQ-40 light to attach to the top of the digital handle.



## UNIVERSAL ADAPTERS FOR BASE OR STROBE USE

Comes with female threads or bolt or stud for your specific use. Please specify.

AD-3816	Use on <b>Ikelite</b> video handles or Ultralight trays
AD-1420	For use with that size hole (i.e. <b>Sartek</b> lights or <b>Gates</b> housings)
AD-6mm	With stud for use on <b>Subal</b> housings for a spotting light
AD-8mm	European use for 8mm threads (housings & strobes)
AD-1032	With Stud for <b>Light &amp; Motion</b> HID lights
BA-HB	Ball with 1/4" bolt through the center, shorter than AD-1420 Will also accept a 6mm bolt, please specify (See below)

If you don't see your application or size listed, we can likely supply it. Specify female threads or type of male threads you need. (i.e. bolt or stud and the length needed). These adapters can be used as base adapters on trays, strobe adapters or adapters for anything that needs a ball at the end. The AD-3816 with a bolt will work as a base adapter for our Ultralight single or double trays.

### AD-3816, AD-1420, 6MM, 8MM, UNIVERSAL THREADED ADAPTER

Ball adapter with female or male threads, for attaching to any place there is a need for an adapter with the above sizes.



Your choice of hardware



#### BA-HB Handle ball

Ball with 1/4 bolt, for use with digital handle or as a universal 1/4" ball adapter, also accepts 6mm bolt for use on Inon strobe. **(BA-HB6)**

## CLAMP PHOTOS



#### AC-CSB

Larger clamp to use between two large buoyancy arms

#### AC-CS CLAMP SET

Shown with proper placement of two arms between clamp halves. T-Knob used to tighten or loosen clamp



T-Knob

#### AC-CSL Longer Clamp extend your spotting light



#### AC-TCS TRIPLE CLAMP

Used with the Ikelite remote TTL Slave Adaptor, Ikelite EV controller or any Spotting Light. Adaptor. (Shown with a TTL adaptor, a AD-125 adapter & an arm.)



#### AC-CSF NEW STYLE CLAMP

Allows 15 degrees of side to side movement

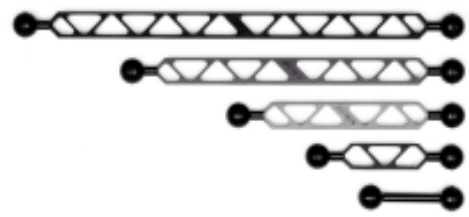
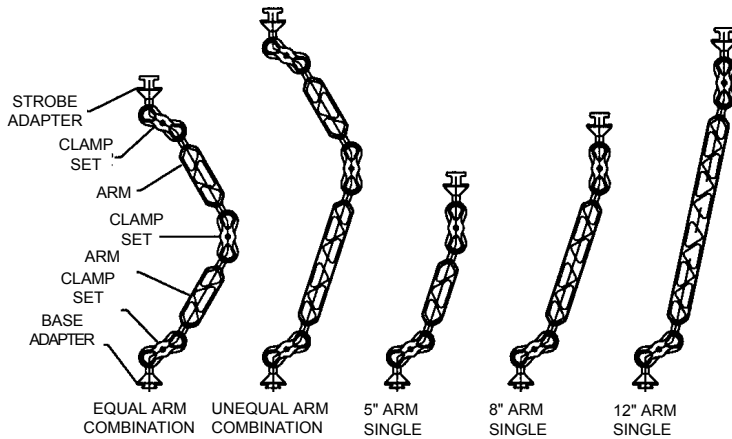


The clamps are what hold the ball ends together. They function much as your own arm joints function. Our system is designed for three clamps per arm side. This gives you the greatest flexibility of movement, i.e. you have a joint at your wrist, elbow, and shoulder. A regular or new style clamp holds two ball ends together, a triple clamp holds three ball ends together. When assembling your arms and clamps, place the ball ends in between **the identical parts** of the clamp and use the T-knob to tighten or loosen. It is easy to accidentally put the ball end between a clamp half and the T-knob. Never put only two balls into a triple clamp as the bolt will bend. With our clamps you do not need to tighten them so tight that you have trouble moving the arm. You need less tension with ULCS clamps than other manufacturers due to the o-rings in the ball ends.

**ARM SEGMENTS:** (drawings and photos below)

- DB-03            3" Double Ball Arm
- DB-05            5" Double Ball Arm
- DB-08            8" Double Ball Arm
- DB-12            12" Double Ball Arm
- DB-16            16" Double Ball Arm
- DB-B08          8" Double Ball Arm - Buoyancy
- DB-B12          12" Double Ball Arm - Buoyancy
- DB-B16          16" Double Ball Arm - Buoyancy
- SBSS-5          5" Single ball arm for Sea & Sea strobe
- SBSS-8          8" Single ball arm for Sea & Sea strobe
- SBDT-5          5" Single ball with dovetail (fits into BA-DB base)
- DB-BL08         8" Large buoyancy arm 2.5" in diameter
- DB-BL10        10" Large buoyancy arm 2.5" in diameter
- DB-BL12        12" Large buoyancy arm 2.5" in diameter
- DB-BL14        14" Large buoyancy arm 2.5" in diameter
- DB-BL16        16" Large buoyancy arm 2.5" in diameter

**CAMERA & VIDEO ARM COMBINATIONS**



**ARMS FROM 16 INCH  
DOWN TO 3 INCH**

As illustrated above there are lots of combinations you can choose for arms. Most arms include three clamps and two arm segments for the most flexibility. You may use two clamps and one arm segment if you have budget constraints; but you sacrifice flexibility.

Arm length is based on what type of photography you intend to do. If you only do macro then you want a small compact arm. If you do only wide angle then you want to get your strobes out away from the camera to lessen the backscatter you get when your strobes light the water in front of your subject. If you do both types of photography then you will need to figure the length that will give you the wide angle photography and not be in the way for macro work. The 8" arms are the most popular for both types of pictures.

**DB-B12, DB-B16, DB-B08**  
**Original BUOYANCY ARMS**



**SBDT-5, SBSS-5,**  
**SBSS-8,**  
**SINGLE BALL ARMS**

By using one or two of these, you have less clamps in your system; but you sacrifice flexibility



**DB-BL**

**New 2" diameter buoyancy arms. 16" to 8" (need AC-CSB if using two of these together)**



**STROBE & VIDEO LIGHT ADAPTERS:** (most photos below)

- AD-125 Ikelite DS-125, DS-160, 50, MS, MV, DS-50, DS-51
- AD-150 Ikelite 150, 225, 300, 400 Substrobes
- AD-Ai Ikelite 100, 100A, Ai Substrobes
- AD-200 Ikelite DS-200 Substrobe or older 200 strobe
- New** AD-IKV Ikelite Pro-V8 LED Video Lite (photo pg.10)
- AD-102 Nikonos 102 Strobes
- AD-103 Nikonos 103, 105 Strobes
- AD-104 Nikonos 104 Strobe
- AD-SS Sea & Sea Strobes, Olympus & Epoque & Sea Life strobes
- AD-SSL Sea & Sea Strobes, longer version, fisheye lights
- AD-IN Inon strobes All Models (or BA-HB6, see below)
- AD-LS For land strobes or Amphibico video lights (photo pg.8)
- AD-MINI-S For Light & Motion Sun Ray-S Mini video lights (6-32 thread)
- AD-MOD L&M Sun Ray-S Pro, Elite, Classic video lights, L&M Blue Fin & Mako housing base, or center of Titan, 1000 LED
- AD-HID L&M HID Light, larger base with 10-32 thread (same as AD-1032)
- AD-UK Underwater Kinetics (SunLight "D" or Light Canon) (photo pg.8)
- AD-NR NiteRider light adapter (photo pg. 8)
- New** AD-NANO or AD-8MMhb, either for Hartenberger Nano spotting light
- New** AD-LS2000 Adapter for L&M LED 2000 lights (AD-MOD w/ special hardware )

**Ikelite strobe adapters**



**AD-HID**  
Light & Motion  
Sun Ray-S video light adaptor



**AD-Mini-S**  
Light & Motion Sun Ray Mini-S video  
light adaptor



**BA-LM**  
Light & Motion & Top Dawg  
video housing adaptor



**AD-103**  
Nikonos 103, 105 Strobe,



**AD-102**  
Nikonos 102 Strobe,  
Has a cut out to match the  
strobe cut out



**AD-104**  
Nikonos 104 strobe



**AD-SS**  
Sea & Sea, Olympus &  
Epoque, Fantasea, Fisheye



**AD-SSL**  
Longer Version



**AD-IN or BA-HB6mm**  
Inon Strobe adapter  
for all Inon strobes



**AD-200**  
DS-200



**AD-150**  
150, 225, 300 or 400



**AD-Ai**  
Ai or 100A



**AD-125**  
DS 125, DS 160, MS,  
MV, 50, DS-51

**AD-NANO or AD-8MM HB**  
fits in the hole on the handle



**AD-MOD** for most L&M lights  
and some housings



**AD-LS2000**



## MORE STROBE & VIDEO LIGHT ADAPTER PHOTOS



### AD-LS LAND STROBE ADAPTER

Used for land strobes and some Amphibico video lights.



### AC-SSC

Bracket for attaching Sea & Sea TTL unit to Subal housings, specify which unit



### AD-UK UNDERWATER KINETICS

Sunlight D series or Light Canon HID lights



### AD-NR NITERIDER LIGHT ADAPTER

Fits all NiteRider scuba/video lights



### AC-ARM

Hardware to mount a ball to your Ultralight arm. Can be mounted in any of the triangle cut outs of the arm.



## ACCESSORIES:

AC-CS	Clamp Set - Standard (holds two ball ends together)(photo pg. 5)
AC-CSF	New Style Clamp - Allows 15 degrees side to side movement of the arm. (holds two ball ends together) (photo pg. 5)
AC-CSB	Clamp set, buoyancy, holds two 2" buoyancy arms together
New AC-CSL	Clamp set, longer, to extend a spotting light (see photo below)
AC-TCS	Clamp Set - Triple (holds three ball ends together) (photo pg. 5)
AD-TTL	For Ikelite EV controller or TTL slave sensor (photo pg. 5&9)
AD-TTLd	TTL adapter for digital handle (has a screw in the bottom) (pg. 9)
AC-SLQ	Spotting Light Adapter (Designed for two UK Mini Q-40's)(photo pg. 10)
AC-USL	Universal Spotting Light Adapter (For most C-Cell flashlights) (pg.10)
AC-USLm	Universal Spotting Light Adapter mini (for most AA-cell lights (pg.10)
AC-Tosh	Universal spotting light adapter, for lights 1.5" in diameter
AC-USLXL	Universal spotting light adapter, for lights 2" in diameter
AC-SPL	For digital handle, mini light adapter with loc line (pg.4)
AD-HS	Hot Shoe Adapter with Ball (photo pg. 9)
AC-SSC	Bracket to mount Sea & Sea TTL unit to Subal housings
AC-IK	Ikelite Mini-C flashlight holder with ball (photo pg. 10)
AC-FB	Mounting plates for top of housing handles, subal housings,
BA-FB	pivots, for mounting flashlights, sekonic meter brackets, etc.
BA-FBd	Plates with different size holes for mounting different adapters.Please specify (pg.10)
AC-TRI	Tripod clamp for use our regular arms (photo pg.10)
O-rings	O-rings for ball (2-209 buna) Pack of 25
AC-LR	Lens release tool (pg. 3)
AC-ARM	Hardware to mount AD-1420 or AC-IK to the middle of an Ultralight arm for spotting lights or lens holders
New AC-NB	Ball adapter to attach to any arm or adapter at the neck below the ball (see photo below)



### AC-NB NECK BALL Adapter

Shown on a BA-IK with a clamp in left picture. On right picture the part with its screws



### BA-LMB

Fits on the Light and Motion Quickie release piece from the bottom of their flex arm.



## PIVOTS FOR HOUSED DIGITAL CAMERAS: (photos below)

CP-OLY	Olympus housing pivot, please indicate which housing
CP-OLY80	Olympus housing pivot for 5060 & 8080 housings
CP-TD	Small pivot for many small polycarbonate housings
CP-TDC	Medium pivot for many medium polycarbonate housings

If you have a small housed camera and are looking for a pivot, one of the ones above may fit, please call to discuss.

## PIVOTS FOR FILM CAMERAS & ACCESSORIES (some photos below)

CP-NK	Nikonos 3, 4, 5 camera pivot
CP-RS	RS Camera Pivot
CP-BASE	Nikonos pivot base to use with an RS pivot back
AC-HB	Handle Base Adapter (Adjustable, mounts on bottom of pivot)
AC-H	Handle with Ball with rubber grip (photo pg. 3)
AC-HQD	Quick disconnect Handle with Ball with rubber grip (photo pg.3)
AC-WS	Wrist Support (Fits on RS pivots (photo below) and RS single tray)



### CP-RS & CP-NK RS PIVOT AND NIKONOS V PIVOT

The RS pivot has an optional wrist support on right side.



### AC-HB & AC-H HANDLE BASE ADAPTER & HANDLE

(for Nikonos and RS pivots)  
With 1/4-20 holes on bottom, is adjustable 3" left to right.



### CP-NK & AC-H & AC-HB NIKONOS V PIVOT

Has handle mounted on left side of pivot and a BA-AQ on the right side



### AD-HS - HOT SHOE ADAPTER

Fits in the shoe of the Nikonos V, RS, and Sea & Sea and Nexus housings, for attachment of a clamp and a spotting light adaptor. Also works on cold shoes on some of the polycarbonate housings. *ULTRALIGHT is not responsible for any damage caused to camera's cold shoes as a result of using one of these adapters. No damage should occur under ordinary circumstances; but if camera is dropped or something heavy is dropped on the light adaptor, damage could result to the camera hot shoe.*



### CP-OLY OLYMPUS PIVOT

for the Olympus housings may work with others, call. Handle included, base adapters extra



### CP-TD & CP-TDC SMALL & MEDIUM SIZE PIVOT

Originally for Light & Motion's Tetra housings. Will work on many small and medium size polycarbonate housings.



### AD-TTL REMOTE TTL SLAVE ADAPTER OR EV CONTROLLER

Needs a triple clamp AC-TCS to mount to Ultralight arms



### AD-TTLd

TTL adapter to mount on the top of digital handle (TR-DH) or on top of digital housing pivots

## MORE ACCESSORY PHOTOS

AC-FB BA-FB BA-FBd



3/8"-1/4" 1/4"-1/4"

### AC-FB

#### **Mounting plate**

Numerous sizes with different size holes for mounting different adapters. (3/8 to 1/4 use on **Equinox** housings) (1/4 to 1/4 use on TR-DH digital handle)

### AC-TRI

#### **TRIPOD CLAMP**

Use arms for legs. Clamp with 1/4" bolt for attaching to a tripod socket or as shown with AD-1420 female, clamp and AD-1420 male for tripod socket.



### AC-SEKB (41.95) limited quantities

#### **SEKONIC LIGHT METER BRACKET**

Mounts with 1/4" bolt.

### AC-SEK (49.95) limited quantities

#### **LIGHT METER CLAMP**

Replaces a regular clamp on any arm set.



### AC-IK

#### **IKELITE MINI-C ADAPTER**

For use with Mini-C flashlights for spotting.



### Mini-Battery Tester

Tests most batteries under "load" as if it was in your camera or strobe, so you know what power is really left in the battery. Neoprene case



### New Ultralight logo

T-Shirt S-XL



### Ultralight Shirt

Ultralight logo and dolphin design, M-XL

### AD-IKV

For Ikelite Pro-8 lite



### AC-FB

#### **Mounting plate**

For use on housing that come with their own handles, pictured here with a universal ball adapter, you then need a clamp and universal spotting light adapter



### AC-SLQ

#### **SPOTTING LIGHT ADAPTER**

For two Underwater Kinetics mini Q-40's



### AC-USLm

#### **UNIVERSAL SPOTTING LIGHT ADAPTER MINI SIZE**

This adapters holds one "AA" flashlight like this mini-C. Mounting instructions, see **USL** below



### AC-USL

#### **UNIVERSAL SPOTTING LIGHT ADAPTER**

For use with most 4 C-cell flashlights. Comes with two pieces of rubber to put on flashlight to keep light from rocking in the holder.



### AC-USLXL &

#### AC-TOSH

The largest one will take lights up to 2" in diameter and the Tosh will take lights up to 1.5" in diameter.

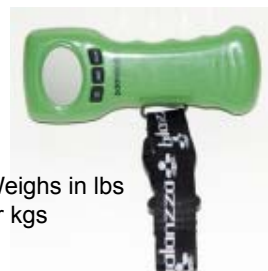


### **Mounting instructions for all USL adapters:**

Can be attached with a clamp and base adaptor to top of housing, to top of wrist support, to the hot shoe adaptor or in an arm set with a triple clamp, or in the middle of a Ultralight arm with a **AC-ARM**, or with the new neck ball adapter, **AC-NB**, see page 8.

### Digital Luggage Scale

This compact tool allows you to weigh your luggage at home or at the hotel. Easy to read digital display. Prevent overweight charges by the airlines.



Weighs in lbs or kgs

## PARTS CARE AND MAINTENANCE

Treat Ultralight parts just like your other underwater photo equipment. After every dive the best thing to do is thoroughly rinse everything in fresh water if possible. You can soak Ultralight products in hot soapy water or dilute vinegar water. There are a couple of products on the market that help remove salt build up. You can find these at your local dive store. If you use vinegar in the water, the finish may dull; but you have not hurt our products. Do not use it full strength.

### PERIODIC MAINTENANCE:

**NUTS, BOLTS, AND SCREWS.** Whenever you have two dissimilar metals in contact with each other you will have some electrolysis. This is what happens in the case of aluminum and stainless steel. The aluminum becomes etched away and the nuts and bolts tend to freeze, making it difficult or impossible to remove them. We have found that wrapping the threads of screws and bolts with **Teflon plumber's tape**, found at your local hardware store, reduces electrolysis and removal of the screw, nut, or bolt a lot easier. If you are looking at the thread end make a couple of turns of Teflon tape in a clockwise direction, while stretching it slightly. Also it is best to remove all stainless steel nuts, bolts, screws, etc. periodically to clean the threads and keep them from freezing up. A good soaking is a good idea after a long dive trip, then a tooth brush for anodized parts and a wire brush for the stainless parts. Do not put teflon tape on the screws that are in the clamp.

**PIVOTS.** The only thing you need to do for pivot maintenance is keep it clean and occasionally lubricate it. To do this remove the two phillips screws that hold the camera pivot base to the back, remove the large white nylon washer. Clean out the inside and lubricate with silicone grease, wire brush the threads on the screws, grease the large washer and screw the pivot base back on.

**CLAMPS.** If you remove the clamp T-knob, clean the threads of the stainless bolt with a wire brush. You will not be able to remove the stainless bolt from the clamp half. It is glued in. Place a small amount of silicone grease on the ends of the threads before you put the T-knob back on.

Remember, if you keep Ultralight parts clean and lubricated they will give you years of service and happy picture taking.

The o-rings in the ball ends usually need to be replaced about every 12-24 months. This depends on what environment they have been in. They will crack or do not hold as well. Contact your local dealer for replacements or go to a store that sells o-rings and purchase Buna type # 2-209. (The size is 15/16 X 11/16 x 1/8). Take the o-ring and stretch it over the ball and into the groove. The clamps will work; even if there is no o-ring; but you will have to tighten a little harder. We sell them in packs of 25.

## WHAT OUR CUSTOMERS SAY

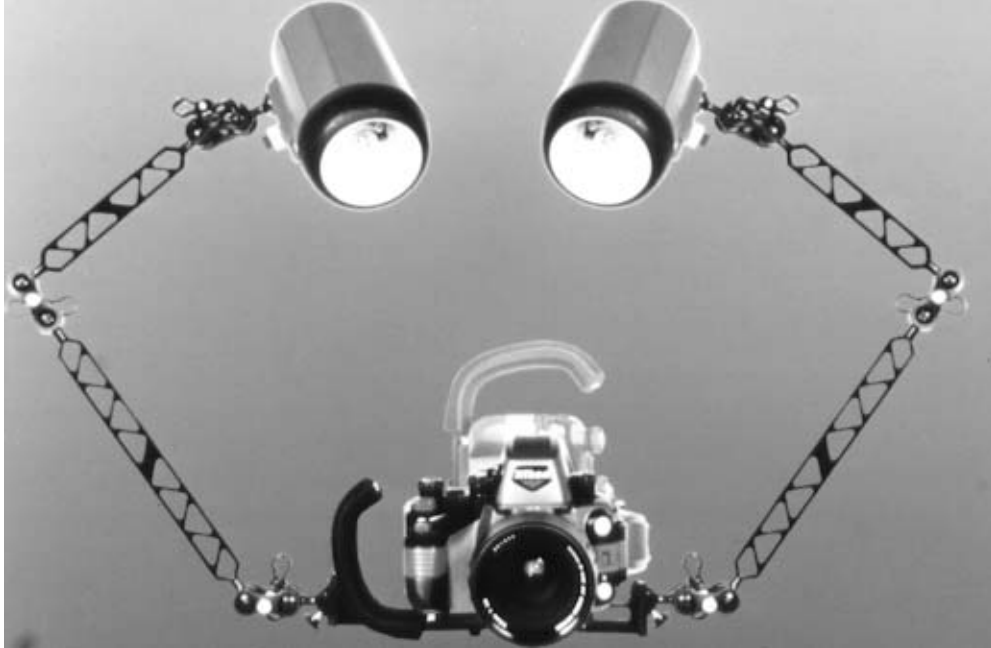
I began using **Ultralight** arms back when I first started shooting wide-angle underwater with my Nikonos V/15mm combination. I found the need to move my strobes further from my lens to avoid backscatter and get the most out of the powerful strobes I was using. I loved them so much that I tried them while shooting macro and found the ability to position and aim my strobes anywhere I wanted to be a huge advantage. I now use **Ultralight** arm systems on all my setups. Lightweight, easy to use and virtually indestructible even in a saltwater environment make them the only choice for me! **ROB DARMANIN**

"I have tried many systems to carry my underwater strobes and only the one from **Ultralight** has performed reliably for me in all conditions. It has proven to be light, easy to control and provides me with a lock on the positioning of the strobes." **AMOS NACHOUM.**

"Your wonderful arms have solved all of my strobe arm problems. They are easy to move for creative lighting, yet stay steady in the water. The large knobs are easy to adjust, and the buoyancy arms allow me to hold my heavy systems even with a sore shoulder. Nothing else comes close to what your arms accomplish." **CATHY CHURCH**

# ULTRALIGHT

CONTROL SYSTEMS



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