



TTL Converter for Nikon DSLR with Ikelite Connector (Version 2)

Product Number 4301.3

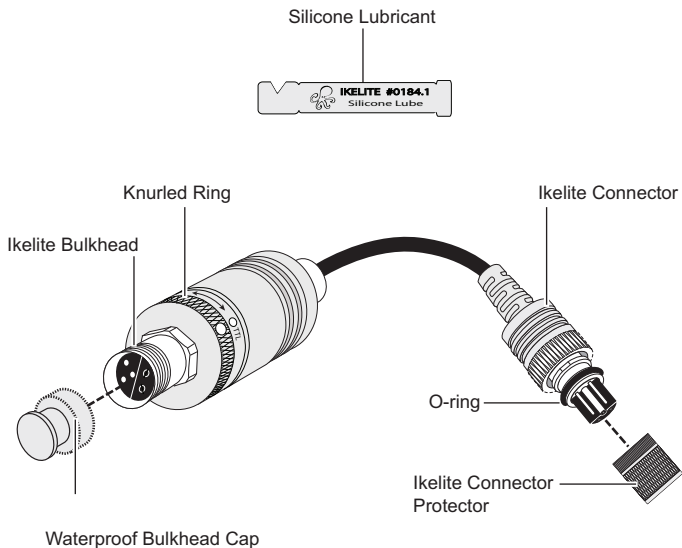
I n s t r u c t i o n M a n u a l

Thank you for your purchase of Ikelite equipment. Please read this instruction manual completely before attempting to operate or dive with this product.

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Included in the Box



Camera Compatibility

- Nikon D2X, D3, D4
- Nikon D40, D50, D60, D70, D70s, D80, D90
- Nikon D200, D300, D300s
- Nikon D600, D610, D700, D750
- Nikon D800, D810
- Nikon D5000, D5100, D5200, D5300
- Nikon D7000, D7100, D7200
- Fuji S5 Pro

General Information

The TTL Converter is equipped with a simple rotating switch that allows toggling between TTL and manual exposure.

Exposure compensation is NOT provided through the Adapter, but may be accessed through a camera button or the camera's built-in menu. Proper operation and TTL exposure requires use of a current-model Ikelite DS strobe - see Strobe Compatibility, **Page 5**.

Use of this TTL Converter requires an Ikelite 5-pin electrical bulkhead strobe connector and TTL hotshoe. If you are unsure whether your housing meets these requirements, please contact the housing manufacturer. Wiring diagrams for our Ikelite connectors can be found at **ikelite.com**.

One or two strobes may be connected to the Converter using an Ikelite-to-Ikelite single or dual sync cord. Use of two strobes requires a dual sync cord. Two strobes cannot be controlled by individual separate Converters even if the housing is equipped with two bulkhead connectors.

TTL Converters are not usable with non-Ikelite strobes or non-DS series Ikelite strobes.

Due to hardware changes and risk of cord damage, we are unable to modify existing 4301, 4301.2, 4302, or 4302.2 Converters to the newest TTL protocol.

Please also note that strobe serial number requirements differ from the original Nikon TTL Converter - see Strobe Compatibility, **Page 5**.

The Ikelite TTL Adapter is **NOT** compatible with the following Nikon Cameras; D-100, D-1X, D-2H.


Strobe Compatibility

| | |
|--------------------|---------------------------------------|
| AF35 | no |
| DS50 | above serial number 75510 with update |
| DS51 | above serial number 78700 |
| DS160, DS161 | all |
| Non-Ikelite | no |

Connecting the Adapter - reference Diagram A, Page 6

Use Adapter with Ikelite DS Strobes ONLY. If using an older DS50 or DS125 strobe, see Strobe Compatibility above.

1. Make sure all components are dry.
2. Remove Waterproof Bulkhead Cap and Connector Protector, **Page 3**.
3. Clean and lightly lubricate the threads and o-ring on the male Ikelite connector. Use ONLY Ikelite lube. Other brand lubricants can cause the o-ring to swell and not seat properly. Check o-ring for cracks or nicks.
4. Note the positioning of the receptacles and pins. Properly align the Ikelite Connector and insert it into the housing's Ikelite-style bulkhead; hand-tighten Knurled Ring.
5. Connect your Ikelite Sync Cord to the Adapter Bulkhead. Hand tighten the Knurled Ring on the Sync Cord until there is no in-out movement between the Ikelite Sync Cord Connector and Adapter bulkhead.
Hold the adapter's knurled ring when tightening the sync cord.

 CAUTION: Do not use tools on, or over-tighten Knurled Rings.

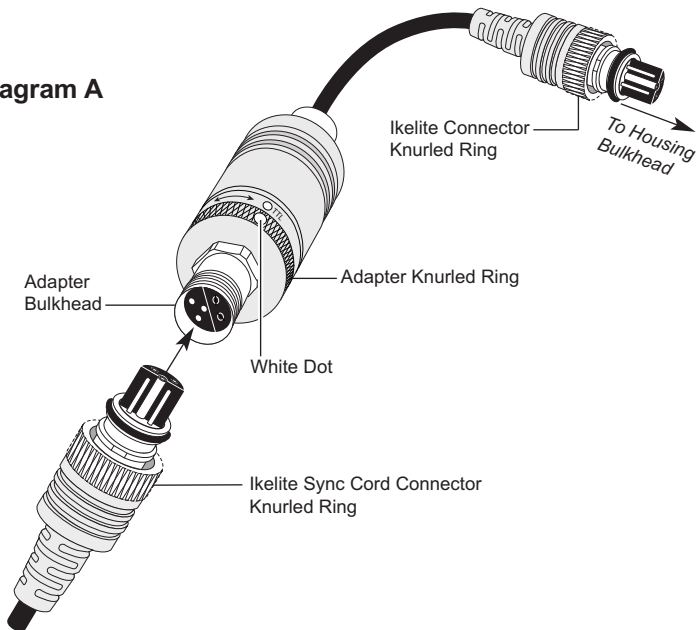
Single or Dual Ikelite sync cords can be attached.

Dual strobe use requires dual sync cord.

Two strobes cannot be operated by independent adapters.

Connecting the Adapter - continued

Diagram A



Switching between TTL and Manual

The Knurled Ring on the TTL Adapter's black delrin pod has a White Dot, **Diagram A**.

The Knurled Ring can be rotated clockwise or counterclockwise to align the White Dots for TTL or Manual operation.

The DS Strobe must be set to TTL mode for the Adapter to provide TTL operation.

Customer Support

Ikelite Underwater Systems
Service Department
50 West 33rd St.
Indianapolis, IN 46208 USA

Email: ikelite@ikelite.com

Phone: 317-923-4523

Returning Products for Service

Ikelite is most interested in performing any service to ensure that all products perform as intended. Evidence of purchase date must be provided to obtain warranty service.

No prior authorization is required. You may return directly to us or through your dealer. Please include a brief description of the problem, any relevant email correspondence, and/or instructions on what you want us to do. Always include name, shipping address, email address, and phone number inside of the package. Send postage paid to:

Ikelite Underwater Systems
Attention: Service Department
50 West 33 Street
Indianapolis, IN 46208 USA

No reimbursements for postage paid will be issued.

You may also want to insure the package.

Returning Products for Service - outside the United States

For the separate international customs documentation form that you complete to accompany the shipment, please state or designate that the enclosed products were originally manufactured in the USA and are being returned to the manufacturer for repair service. Value of the equipment listed for customs purposes should be zero.

Spare Parts

| | |
|---------|--|
| 0301.12 |Connector Protector for Ikelite plug |
| 9104.5 |Waterproof Bulkhead Cap |
| 0118 |O-ring |
| 0184.2 |silicone lubricant 2cc recloseable tube |

Limited Warranty

This Ikelite product is warranted against any manufacturing defects for a period of one (1) year from the original date of purchase. Defective products should be returned to Ikelite postage paid. Ikelite will, at its sole discretion, repair or replace such products, and will return to customer postage paid. All other claims of any nature are not covered. Except as mentioned above, no other warranty expressed or implied applies to this Ikelite product.



**Ikelite Underwater Systems
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