

The IS3/c

Zylight IS3 & IS3c User Instructions



IS3/c Manual v1.04



Thank you for choosing Zylight and the IS3 LED instrument. This fixture represents the state-of-the-art in LED lighting and will provide you with years of creativity. The flexibility of the IS3 is unmatched and this fixture will be a contributing partner to your productions everyday. The IS3 offers the ability to color tune your talent or set. Mounted on your stand or grip arm, the IS3 brings new levels of flexibility, creativity, and control to your lighting kit.

Zylight is thoroughly committed to sustainability and our responsibility to the global environment, and we actively encourage our customers to contribute to the integration of green practices in the studio and on location. By using this LED lighting instrument, you have taken the first step. This Zylight IS3 uses less energy, produces less waste, has zero mercury content, and is an instant on/off light.

Take time to read through this manual to get the most from this cutting edge instrument.

The **c** version of this unit denotes the addition of softbox accessory from **Chimera** or **DoP Choice**.



IS3c with Chimera Softbox



IS3c with DoP Choice Softbox



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Introduction: The IS3 combines Zylight's unmatched color-mixing technology and high-quality construction to meet the demands of location and studio professionals who require an extremely bright and wide soft source, while offering all of the innovative features for which Zylight is renowned: fully dimmable lighting with minimal color shift, adjustable color temperature and color correction, unlimited color control, integrated DMX and ZyLink™ wireless control, and rugged construction for years of reliable service.

Every IS3 has been thoroughly tested and has been shipped in optimal operating condition. Carefully check the shipping carton for damage that may have occurred during shipping. If the carton appears to be damaged, carefully inspect your fixture for any damage and be sure all accessories necessary to operate the unit have arrived intact. If damage has been found or parts are missing, please contact our customer support number for further instructions. Do not return this unit to your dealer without first contacting customer support.

Your IS3 includes the following items:

- One - Zylight IS3 light head
- One - Yoke bar with 5/8" baby pin adapter
- Two - Yoke adjustment knobs
- Four - 1/4" x .69" OD nylon washers (fig 1)
- One - AC Adapter
- One - AC Adapter hanging pouch (for light stand use)
- One - Safety cable
- One - IS3/c User Guide
- One - **Chimera** or **DoP Choice** (included in optional **c** version)



fig 1

Optional IS3 Accessories

26-02006	IS3/c Stand Yoke Mount (replacement)
26-02004	IS3/c Pole Yoke Mount
19-02021	IS3/c Mount w/ Baby Receiver Kino style mounting plate
26-02023	IS3 Chimera Soft Box Includes: Soft box, (2) Diffusers
19-02024	IS3 Egg Crate (50 deg) Fits on face of IS3 Chimera Softbox
26-02029	IS3 DoP Softbox Kit Includes: Soft box, (2) Diffusers
19-02035	IS3 DoP Snapgrid (40 deg) Fits on face of IS3 DoP Softbox
26-02005	IS3/c Worldwide AC Adapter (replacement)
26-02007	IS3/c Worldwide AC Adapter - Europe Includes AC Power Adapter and EU Power Cord
19-02042	Worldwide AC Adapter Bag Mesh bag to hold IS3/c power adapter off of a light stand
19-02045	IS3/c Travel Case Soft sided travel case to protect the IS3/c and accessories
19-02046	F8/IS3 Case Strap Optional shoulder strap for travel cases
13-14001	Antenna Replacement ZyLink wireless antenna

Customer Support: Zylight provides a customer support line to provide set up help and to answer any question should you encounter problems during your set up or initial operation. You may also visit us on the web at www.zylight.com for any comments or suggestions. Service Hours are Monday through Friday 9:00 a.m. to 5:00 p.m. Eastern Standard Time.

Voice: (978) 244-0011
Fax: (978) 244-0011
E-mail: support@zylight.com

Caution! There are no user serviceable parts inside this unit. Do not attempt any repairs yourself; doing so will void your manufacturer's warranty. In the unlikely event your unit may require service please contact Zylight customer support.

PLEASE recycle the shipping carton whenever possible.

To optimize the performance of this product, please read these operating instructions carefully to familiarize yourself with the basic operations of this unit. These instructions contain important safety information regarding the use and maintenance of this unit. Please keep this manual with the unit, for future reference.

Warranty Registration

The IS3 carries a two year limited warranty. Please go to www.zylight.com/product-registration and register your product and validate your purchase. All returned service items, whether under warranty or not, must be freight pre-paid and accompany a return authorization (R.A.) number. The R.A. number must be clearly written on the outside of the return package. A brief description of the problem as well as the R.A. number must also be written down on a piece of paper included in the shipping carton. If the unit is under warranty, you must provide a copy of your proof of purchase invoice. You may obtain an R.A. number by contacting our customer support team through our customer support number. All packages returned to the service department not displaying a R.A. number on the outside of the package will be returned to the shipper.

Safety Precautions

- To reduce the risk of electrical shock or fire, do not submerge this fixture in water.
- Do not spill large amounts of water or other liquids into or onto your fixture.
- Do not attempt to operate this unit if the power cord has been frayed or broken. Do not attempt to remove or break off the ground prong from the electrical cord. This prong is used to reduce the risk of electrical shock and fire in case of an internal short.
- Disconnect from main power before making any type of electrical or component connection.
- Do not remove the face under any conditions. There are no user serviceable parts inside.
- Never operate this fixture if the front of back cover is removed.
- Never plug this unit in to a dimmer pack.
- Always be sure to mount this fixture in an area that will allow proper ventilation. Allow at least 6" (15cm) between this device and a wall.
- Do not attempt to operate this fixture if it becomes damaged.
- During long periods of non-use, disconnect the fixture's main power.
- Always mount this fixture in safe and stable matter. Always use a safety cable as part of a secure installation. This includes securing the barn doors with a safety cable.
- Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, especially to the point they exit from the fixture.
- Cleaning: The fixture should be cleaned only as recommended by the manufacturer. See page 12 for cleaning details.
- Heat: The instrument should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
- The fixture should be serviced by qualified service personnel when:
 - A. The power-supply cord or the plug has been damaged.
 - B. Objects have fallen, or liquid has been spilled into the instrument.
 - C. The instrument has been submerged in water.
 - D. The instrument does not appear to operate normally or exhibits a marked change in performance.

First Set Up – Assembly Instructions

To optimize the correct performance of your fixture, please follow these simple assembly instructions, and refer to this manual if you ever need to reattach the yoke assembly to your fixture. (Each IS3 has a built-in plate for use with the optional Kino Flo style center ball mount).

In some instances, the yoke assembly will be shipped separated from your fixture. There are several nylon washers that will be used to correctly space the metal parts from one another. This will also allow the IS3 to be adjusted and tightened with locking points on the left and right side of the yoke. Proper installation of the washers on the pivot points and the lock points are essential to maintain the correct operation of the fixture. Please be sure to place two of the nylon washers on each yoke mount point, one washer in front of the yoke bar, and one behind the yoke bar, as you thread in the 1/4-20 yoke knob. This should be done on both the left and right side of the fixture.



Fig 1



Fig 2



Fig 3



Fig 4

Power Supply: The Zylight IS3 contains an automatic voltage switch, which will auto sense the voltage when it is plugged into the power source. With this switch there is no need to worry about the correct power voltage; this unit can be plugged into any outlet rated for 100-240v AC. Also, be sure to only use the included power cable supplied with the unit.

Power is supplied to the IS3c through a Amphenol 97-3106A-12S-3S connector using the included Worldwide AC Adapter.

On/Off & Color Tuning

To turn on the IS3, press the power switch to whichever mode is desired: up for White mode, down for Color mode. The middle position is Off.

LED Display: The LED display will shut off after 5 seconds of inactivity. To make the display reappear press either button.

When the power switch is turned to White mode (up position), the IS3 will output any color temperature between 2500K- 10000K. Turning the first dial (to the right of the On/Off rocker switch) will adjust the color temperature and the Kelvin temperature will be seen on the display. The Kelvin range is adjustable in 50K steps.

In White mode, the IS3 has built in +/- Green color correction to tailor the light's output to its surroundings. By turning the second dial (to the right of the color temperature adjustment knob) you will see the + or - Green adjustment change on the display.

For + Green, turn the dial to the right and for - Green, turn the dial to the left. When 0 is displayed, this indicates no color correction has been added.

Dimming

The IS3 has a built-in dimmer that will dim the light from 0% - 100% with a minimal color shift. Turn the Dimmer dial to the right to increase brightness and to the left to decrease brightness.

Color Mode

When the power switch is turned to Color mode (down position), the IS3 will output many vibrant colors. The first dial adjusts the Hue value of the color output. The second dial adjusts the Saturation value of the color output. Saturation can be dialed down for more pastel colors or kept at 100% for full saturation.

Presets

When a desired color temperature or color has been set, you may preset those values in one of the two preset buttons. Press and hold either button for one second to store all values from the instrument's current state. A "Saved" indication will appear on the display when the data has been stored. All settings will be memorized including brightness and will not be erased until stored over in the same manner. Two presets can be stored in "White" mode and two presets can be stored in "Color" mode using the same preset buttons.



ZyLink Wireless Control

The IS3 has built-in wireless control for adjustment up to 50' (15m) away using the ZyLink Bridge or other Zylight instrument (available separately).

ZyLink Operation: To enable ZyLink, push the Wireless button for one second until “Radio On” is displayed. Local control is still available while the ZyLink wireless Radio is set to “On”.

Rapidly pushing the radio button after ZyLink is enabled will allow the user to select any of 10 wireless channels to communicate on. Select the channel and set the identical channel on the ZyLink App or other Zylight fixture.

To disable the wireless Radio, press the Wireless button and hold for one second until “Radio Off” is displayed.

NOTE: DMX control and ZyLink can not be enabled at the same time.

About DMX

DMX is a language allowing all makes and models from different manufacturer's fixtures to be linked together and operate from a single controller, as long as all fixtures and the controller are DMX compliant. A DMX controller sends DMX data instructions from the controller to the instrument. DMX is the control data from the DMX controller sent via 5-pin DMX cable to a single fixture, multiple lighting fixtures, or instruments utilizing the DMX Data IN and DMX Data OUT jacks located on all DMX enabled instruments.

To ensure proper DMX data transmission, when using several DMX fixtures, try to use the shortest cable path possible. The order in which fixtures are connected in a DMX line does not influence the DMX channel addressing. For example, a fixture assigned to a DMX address of 1 may be placed anywhere in a DMX line, at the beginning, at the end, or anywhere in the middle. When a fixture is assigned a DMX address of 1, it will “listen” for any DATA command sent by the DMX controller to channel 1 and respond accordingly no matter where it is located in the DMX chain.

To enable DMX mode on the IS3, plug in a standard 5-pin DMX cable into the XLR jack located under the IS3. The middle display will change showing a DMX start address. This address can be changed with the dial below the display.

NOTE: The DMX jack contains a physical switch. Simply plugging in a DMX XLR will put the fixture into DMX mode regardless if you are using DMX or not.

Operating the IS3 from a DMX controller gives users the option to create unique lighting looks. The IS3 has a built-in 5-pin DMX in and out Jack on the rear of the light to link DMX connections between lights when used in a DMX chain.

While in DMX mode, all other IS3 controls are disabled. DMX Channel Assignments are listed on the rear of this manual. The IS3 uses an industry standard DMX pin-out configuration:

- 1: Common (Shield)
- 2: Data –
- 3: Data +
- 4: not connected
- 5: not connected

DMX cables must be acceptable for DMX data transmission (not microphone cable) and should follow the standard pin-out. The maximum DMX data run from any DMX source to the last fixture in a chain is 1000 feet (300m).

DMX Channel Assignments

Channel	Function	Values
1	Mode	OFF = 0-33%; COLOR = 34-66%; WHITE = 67-100%
2	Brightness	0 - 100%
3	Color Temperature (White Mode)	0% = 2500K; 100% = 10000K (Each 1% \approx 75K)
4	\pm Green (White Mode)	0% = -10.0 (max. Magenta); 50% = 0.0 (Neutral) ; 100% = +10.0 (max. Green)
5	Color Hue (Color Mode)	0% = Red; 17% = Amber; 33% = Green; 66% = Blue; 100% = Red
6	Color Saturation (Color Mode)	0% = No Saturation (White Light); 100% = Full Saturation
7	[Reserved]	[Reserved]
8	Brightness - Fine Adjustment	100% adds \sim 0.4% to Brightness
9	Color Temp - Fine (White Mode)	100% adds \sim 30K to Color Temperature
10	Color Hue - Fine (Color Mode)	100% adds \sim 0.4% to Hue
11	Color Sat. - Fine (color Mode)	100% adds \sim 0.4% to Saturation


Notice: Do not use the ground lug on the XLR connector. Do not connect the cable's shield conductor to the ground lug or allow the shield conductor to come in contact with the XLR's outer casing. Grounding the shield could cause a short circuit and erratic behavior.

Due to fog residue, smoke, and dust, cleaning the external optical lenses may be carried out periodically to optimize light output.

1. Unplug the unit from any electric source.
2. Use normal glass cleaner and a soft cloth to wipe down the outside casing.
3. Clean the external optics with glass cleaner and a soft cloth as necessary.
4. Always be sure to dry all parts completely before plugging the unit back in.

Cleaning frequency depends on the environment in which the fixture operates (i.e. smoke, fog residue, dust, dew).

IS3 Intelligent LED Light Specifications

Size	10.7" x 18.5" x 1.8" [272 mm x 470 mm x 46 mm]
Weight	11 lbs. [5.0 kg]
Mounting	Kino Flo® Center-Mount Ball & Socket or Zylight Yoke Mount
Power Requirement	48V DV 
Power Input Plug	Amphenol 97-3106A-12S-3S
AC Power Supply	100-240V AC, 50
Power Consumption	220W max. [4.6A @ 48V]
Wireless Frequency	2.45 GHz cs
Wireless Channel	10, User Selectable
Beam Angle	95° FWHM, 115° total
Dimming	0-100%
LED Life	100,000 Hours minimum before Recommended Factory Re-Calibration
Color Temperature Presets	Adjustable 2500K - 10000K
Presets	White Mode - Two: User Defined Color Mode - Two: User Defined

2-YEAR LIMITED WARRANTY

- A. Zylight LLC warrants to the original end user customer of its products that its products are free from defects in material and workmanship under normal use for two (2) years from the date of purchase. Except as provided herein, Zylight LLC makes no express warranties, and any implied warranties, including those of merchantability and fitness for a particular purpose, are limited in duration to the duration of the written limited warranties contained herein. Except as provided herein, Zylight LLC shall have no liability or responsibility to its customer or any other person or entity with respect to any liability, loss, or damage caused directly or indirectly by use or performance of the product or arising out of any breach of this warranty, including, but not limited to, any damages resulting from inconvenience, loss of time, data, property, revenue or profit or any indirect, special, incidental, or consequential damages, even if Zylight LLC has been advised of the possibility of such damages.
- B. In the event of a product defect during the warranty period, you must contact Zylight LLC at the phone number or address listed in the product's user manual or on the internet at www.zylight.com to obtain a return merchandise authorization (RMA) number. After obtaining an RMA number, send the product fully insured, with proof of purchase, to the address given to you by the Customer Service representative. Zylight LLC will, at its option, repair or replace the defective product.
- C. All replaced parts and products become the property of Zylight LLC. Repaired or replacement parts and products are warranted for the remaining term of the original warranty period. You will be charged for materials and labor or replacement of the product after the expiration of the warranty period.
- D. This warranty does not cover: (a) damage or failure caused by or attributable to acts of God, abuse, accident, drops, misuse, improper or abnormal usage, failure to follow instruction, improper installation or maintenance, alteration, lightning or other incidence of excess or reverse voltage or current, exposure to excess dampness or moisture; (b) removal of, or tampering with, any attached stickers, decals, knobs, enclosures, protective windows, hardware, or fasteners; (c) use of power supply equipment, power adapters, or cables not supplied by Zylight LLC for specific use with the equipment for which it was specified; (d) any unauthorized disassembly, repair, or modification; (e) cosmetic damage; (f) transportation, shipping, or insurance costs; (g) costs of product removal, installation, set-up, service adjustment, or reinstallation; (h) cracking, abrasion, scratching, coating wear, or breakage of protective windows or lenses; (i) abnormal mechanical or environmental conditions; (j) product that has been sold as second-hand; (k) product that has been transported, shipped, purchased, or resold contrary to US export regulations; (l) product that has been transported, shipped, purchased, or resold outside countries for which it has received electronic product compliance certification.
- E. This is not a service contract, and this warranty does not include maintenance, cleaning, or periodic check-up. During the period specified above, Zylight will replace defective parts at its expense, and will absorb all expenses for warranty service and repair labor by reason of defects in material or workmanship. The sole responsibility of Zylight under this warranty shall be limited to the repair of the product, or replacement thereof, including parts, at the sole discretion of Zylight. All products covered by this warranty were manufactured after April 1, 2014, and bear identifying marks to that effect.

- F. Zylight reserves the right to make changes in design and/or improvements upon its products without any obligation to include these changes in any products previously manufactured.
- G. No warranty, whether expressed or implied, is given or made with respect to any accessory supplied with products described above. Except to the extent prohibited by applicable law, all implied warranties made by Zylight in connection with this product, including warranties of merchantability or fitness, are limited in duration to the warranty period set forth above. No warranties, whether expressed or implied, including warranties of merchantability or fitness, shall apply to this product after said period has expired. The Consumer's and/or Dealer's sole remedy shall be such repair or replacement as is expressly provided above.
- H. This warranty is the only written warranty applicable to Zylight Products and supersedes all prior warranties and written descriptions of warranty terms and conditions heretofore published. Under no circumstances shall Zylight be liable for any loss or damage, direct or consequential, arising out of the use of, or inability to use, this product.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

FCC Statement:

FCC identification number is not visible when the device is installed inside another device, then the outside of the device into which the device is installed must also display a label referring to the enclosed device. This exterior label can use wording such as the following: "FCC ID: T3YIS3"

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement:

This device complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This device must be installed and operated with a minimum distance of 20 cm between the radiator and user body.

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.



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