

Photo-e-Box Plus¹⁴¹⁹

Product Manual

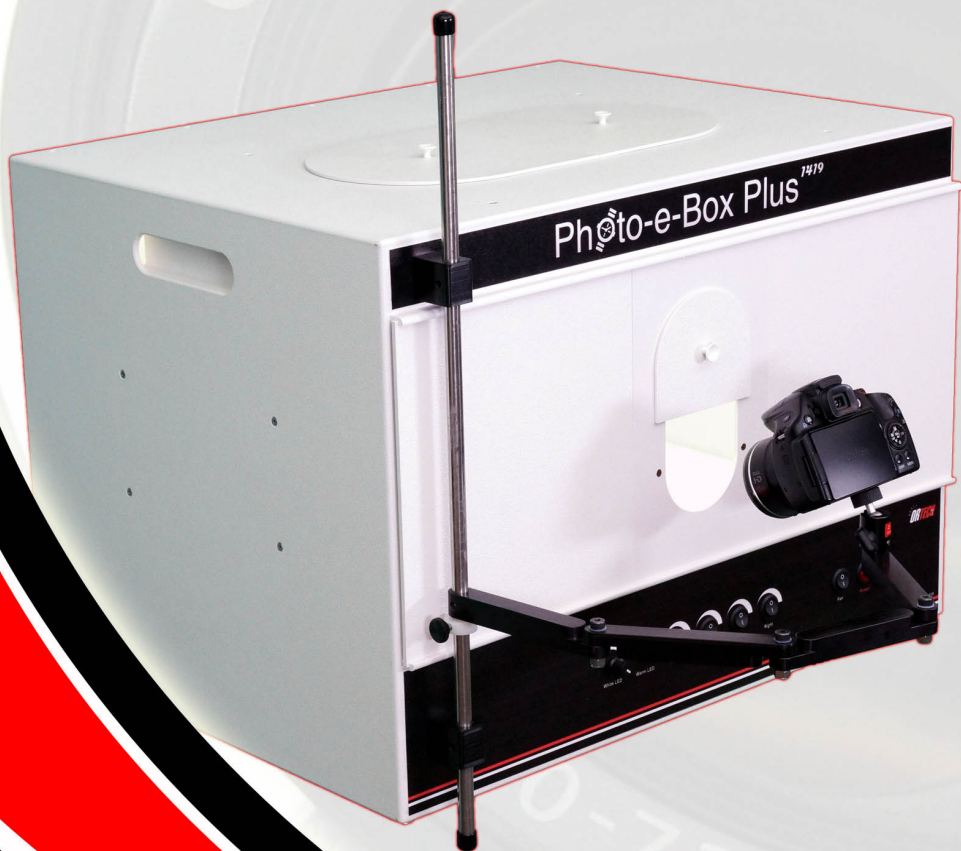


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Photo-e-Box Plus¹⁴¹⁹

Lighting System Manual

Please make sure the system arrives in perfect condition and all parts are included. Contact us immediately if there is any damage or if you are missing any parts.

WARNING

IF YOU ARE USING THE SYSTEM IN A COUNTRY THAT USES 220V POWER (MANY COUNTRIES OUTSIDE OF THE USA), YOU MUST POWER THE SYSTEM USING A 220V/110V STEP DOWN TRANSFORMER. DO NOT PLUG DIRECTLY INTO YOUR WALL OUTLET. THIS WILL DAMAGE THE INTERNAL ELECTRONIC COMPONENTS AND VOID YOUR WARRANTY.

SI SE UTILIZA EL SISTEMA EN UN PAÍS QUE UTILIZA CORRIENTE DE 220V (MUCHOS PAÍSES FUERA DE LOS EE.UU), SE DEBE ENCENDER EL SISTEMA USANDO UN TRANSFORMADOR REDUCTOR DE 220V A 110V. NUNCA CONECTE DIRECTAMENTE A LA TOMA DE PARED. ESTO PUEDE DAÑAR LOS COMPONENTES ELECTRÓNICOS INTERNOS E INVALIDAR LA GARANTÍA DEL EQUIPO.

SI VOUS UTILISEZ LE SYSTÈME DANS UN PAYS QUI UTILISE LA PUISSANCE 220V (BEAUCOUP DE PAYS EN DEHORS DES USA), VOUS DEVEZ ALIMENTER LE SYSTÈME EN UTILISANT UN 220V/110V DÉMISSIONNER DE TRANSFORMATEUR. NE PAS BRANCHER DIRECTEMENT SUR VOTRE PRISE MURALE. CELA ENDOMMAGERA LES COMPOSANTS ÉLECTRONIQUES INTERNES ET ANNULER VOTRE GARANTIE..

VERWENDEN SIE DAS SYSTEM IN EINEM LAND, DAS 220V STROMVERSORGUNG (VIELE LÄNDER AUßERHALB DER USA) VERWENDET, MÜSSEN SIE MACHT, DAS SYSTEM MIT EINER 220V/110V STEP-DOWN TRANSFORMATOR. NICHT DIREKT AN DIE STECKDOSE ANSCHLIEßEN. DAS ELEKTRONISCHE BAUTEILE BESCHÄDIGEN UND ZUM ERLÖSCHEN DER GARANTIE.

Introduction

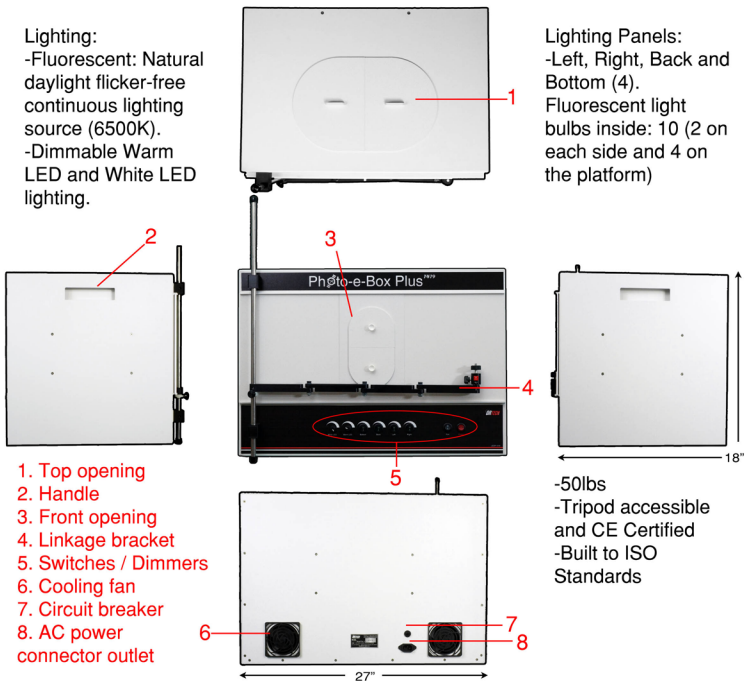
Thank you for choosing the OR Tech Photo@Box Plus 1419 professional lighting system. This technically advanced electronic lighting system contains three different light sources to correctly illuminate any type of product you are interested in photographing. The three type of light sources are fluorescent, warm and white LED.

The fluorescent light (6500° Kelvin) may be used to photograph nearly any product that you wish to photograph, by providing you with flicker-free daylight illumination. The warm LED lights are intended to be used when you photograph jewelry that contains precious and colored stones such as amethysts, rubies and any other stones that are red, orange, or purple in color. The natural daylight LED, may be used in conjunction with fluorescent light and will give "sparkle" to your jewelry.

Product Design

Lighting:
-Fluorescent: Natural daylight flicker-free continuous lighting source (6500K).
-Dimmable Warm LED and White LED lighting.

Lighting Panels:
-Left, Right, Back and Bottom (4).
Fluorescent light bulbs inside: 10 (2 on each side and 4 on the platform)



Benefits and Features

- Natural lighting for proper product display
- Easy to setup and continuously capture product images
- Clean white background (or add your own background)
- Shadow-free wrap-around lighting eliminates the need for digital cleanup
- Show the true color, clarity and cut of your diamonds by showing the brilliance, scintillation and refraction of your diamonds using LED light
- Warm LED lighting for clear and natural gem stone colors
- Increase sales with sharp quality product images
- Tremendous savings and fast turn-around time by producing images in-house rather than outsourcing to a graphic design company or professional photographer

Product Applications

The Photo@Box Plus 1419 simplifies many product imaging applications, by allowing you to create high-quality professional photographs in minutes. Here are just a few examples of how you can use your photos:

- **Product Sales (Print)** – Advertising, brochures, catalogs, flyers, postcards
- **Product Sales (Internet)** – Auctions, banner advertising, e-commerce, email attachments, online product catalogs, online Stores, etc.
- **Website Design** – Company Image, Product Line
- **Inventory Management** – Appraisals, insurance protection, inventory tracking, etc.

Lighting System Setup

1. **Connect the Photo@Box Plus** - Connect the power cable to the Photo@Box Plus 1419 and then to a 110V electricity outlet.
Note: Read the warning message on page 3 for details
2. **Turn on the Photo@Box Plus 1419** - Flip the power switch at the front of box
3. **Turn on the various lights** (Fluorescent, warm or white LED light)
 - Fluorescent lighting: Select the light you want (Left, Right, Back or Platform).
 - Warm LED lights: Use the dimmer at the front (clockwise for more light or counterclockwise to reduce it).
 - White high power LED lighting: Use the dimmer at the front (clockwise for more light or counterclockwise to reduce it).
 - Cooling Fan (On/Off): Use the cooling fan switch to turn on or off.
 - Goosenecks at the Top (75005-A model only): Use the dimmers at the top next to each gooseneck to increase or decrease light intensity.

Camera Bracket Assembly

Our Linkage Bracket is designed for attaching most digital cameras to the lighting system. This gives your camera a straight top-to-bottom view of the items being photographed, and the reliability to change camera lenses and to position the camera in endless ways.

Note: Carefully read the following information, as failure to do so may cause improper use of the bracket and cause damage to your camera and equipment.

Positioning the camera bracket

1. The bracket comes pre-assembled but you need to attach it to the lighting system. In order to get started, you must attach your camera to the ball head at the end of the bracket (*photo A*).
2. To attach the camera, you must find the tripod opening located at the bottom of the camera. Then, you must align the knob of the ball head to the tripod opening and put the screw of the knob inside your camera. Tighten the screw in a clockwise manner in order to stabilize your camera.

Photo A



Note: Make sure that your camera is correctly and tightly screwed to the ball head so it does not fall off while you move the bracket.

3. Once your camera is secured, you can begin to move your camera to look for the preferred angle and position for your photographs.
4. The Linkage bracket can be moved to the top if you wish to take pictures from the top opening (*photo B*).

Photo B



For an DSLR camera with a macro lens, it is recommended that the lens is positioned at about an inch away from the opening of the box.

For point-and-shoot cameras with a close-up lens, it is recommended that the lens is positioned at about three inches from the opening of the box

For more tips on positioning the camera and how to use the new Linkage bracket, please visit our website at www.or-tech.com

Cleaning

The outside and inside of our lighting systems are made of thermoplastic. Simply use a damp cloth to clean it, or use a plastic cleaner if needed. For difficult marks, use odorless mineral spirits.

Lamp Replacement

All electronics and lamps used in your lighting system are made of the best quality. But eventually you may need to replace a burnt-out lamp. Use the following steps to replace a lamp:

- a) Disconnect the power supply cable from the wall or remove it from the back of the unit
- b) Remove the back panel and slide out the lamp house
- c) Remove the burnt-out lamp, using caution, by snapping it out from the retainers and replace the burnt-out lamp (Model # DZU28)
- d) Make sure all the lamps are the same model and same Kelvin color temperature

Note: Gently pull out the wire connector. Make sure when you remove the wire to remember the original position. Replace the lamp and reconnect the wires in their original position.

Be very careful when connecting the power: We suggest you test the unit before reinstalling the panels to ensure that your lights are working properly. Connect the power supply cable to the A/C outlet. Test the lamps. Remove the power cable from the unit, close the panel and reinstall all the screws (make sure you do not over tighten the screws).

Important Note: Although all the light bulbs used in our system are 100% safe, some people may experience some eye fatigue or eye stress due to a very long exposure period of time working with our systems without any rest. We recommend to rest your eyes every couple of hours and do not over expose your eyes to bright lights. This, as with any other high-brightness light source, needs to be used with basic precaution.

ONE YEAR WARRANTY

Defective components will be replaced during the 12 month warranty period. No charge will be made for labor costs during this period. Fluorescent lamps are NOT covered by this warranty. Proof of purchase must be provided to verify the warranty status.

Specifications

Lighting	Fluorescent: 6500° Kelvin (natural daylight) Warm Light: 3200° Kelvin flicker-free continuous lighting LED Lighting: 5800° Kelvin (Dimmable)
Lighting Panels	Fluorescent: Left, Right, Back and Bottom (4 Lights). Fluorescent light bulbs inside: 10 (2 on each side and 4 at the platform) Warm LED Light: 2 LED strips on top (42 LEDs) White LED Light: 4 LED strips on top (84 LEDs)
Power Controls	6 Switches: (1) On/Off, (2) Fan On/Off, (3-6) Individual switches for each of the 4 fluorescent light panels, (8) White LED light strip, (9) Warm LED light strip (10) Optional Goosenecks (75005-A). Total of six switches and two LED dimmer on the front for Warm and White LED Light.
Size (exterior)	26 ½ L - 18 W - 18½ H(in); 66 L - 45.7 W - 49 H (cm)
Size (interior)	19.75 L - 14 ½ W - 13 H (in); 50 L - 37 W - 33 H (cm)
Weight	50 Lbs.
Camera Openings	Top and Front
Tripod accessible	Yes
CE Certification	Yes
Built to ISO Standards	Yes
Power Input	110 Volts 50/60 Hz.



Product Photography Lighting Systems

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