

the
LG4X
remote control

**The LG4X Remote Control
Operation Instructions**

The LG4X Wired Remote is designed to provide wired remote control operation for photographic flash units manufactured by Paul C. Buff, Inc., including all AlienBees flash units and ringflash units; White Lightning UltraZAP, Ultras and X-Series units; and Zeus Flash Heads / Power Packs.

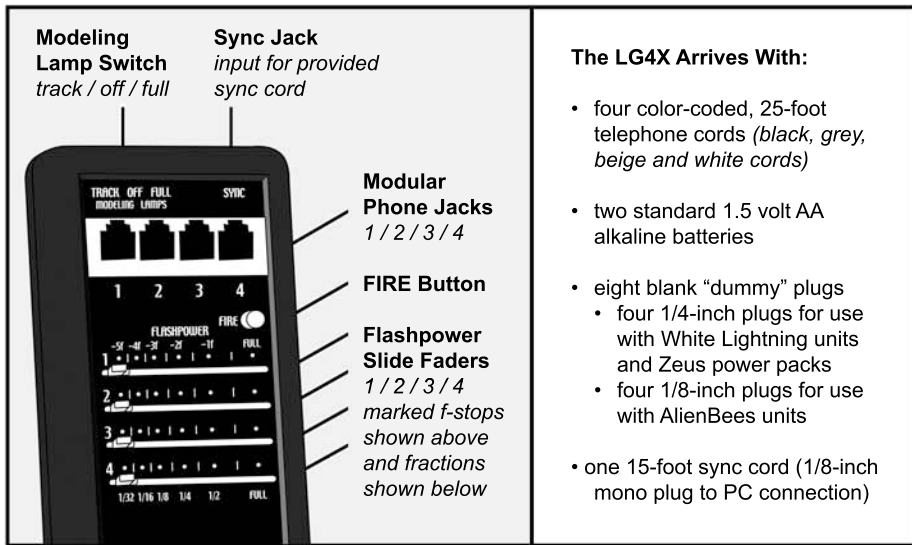
Paul C. Buff

The LG4X Remote Control is a **PAUL C. BUFF, INC.** product.

Paul C. Buff, Inc. 2725 Bransford Avenue Nashville, TN 37204 USA

Toll Free Customer Service Line: 1-800-443-5542 or 1-877-714-3381

*Thank You for purchasing the LG4X Remote Control!
Please call us if you need any assistance.*



PRODUCT DESCRIPTION

The LG4X is designed to provide wired remote operation for up to four Paul C. Buff, Inc. flash units or power packs. These flash units / power packs are each equipped with a modular, four-conductor RJ11 telephone jack, located on the control panel. Each flash unit / power pack in your setup may be connected from this jack to the corresponding modular telephone jack on the front of the LG4X via the four 25-foot, color-coded cables included with the remote. As each unit is connected to the remote, the number underneath the jack on the remote indicates which slider will be used to operate that individual flash unit or flash head(s) via the power pack. **Note:** *The sync voltage from the LG4X is 5 volts, safe for digital cameras.*

FUNCTIONS

- individual, continuously variable **control of flashpower** over a 5 f-stop range, from Full down to 1/32 power in whole f-stops and in between
- common selection of **modeling lamp mode** with three setting options:
 - (1) **Full** (the modeling lamp in all connected lights will remain on full brightness, regardless of flashpower adjustment);
 - (2) **Off** (the modeling lamp in all connected lights will remain off, regardless of flashpower adjustment); or
 - (3) **Track** (each individual modeling lamp will track the changes made with the slider control corresponding to that light)
- **flash testing** of all connected lights with the fire button
- **common sync connection** to all lights from a single mini-plug sync input located on top of the LG4X unit, which connects directly to your camera or your camera’s hot shoe adaptor (the appropriate sync cord is the 15-foot sync cord provided with each remote control)

POWER

The LG4X is powered by two 1.5 volt **AA alkaline batteries** that are housed in a snap compartment on the back of the unit. In normal use, the batteries will last approximately 1000 hours before requiring replacement.

ON / OFF / “SLEEP MODE”

The LG4X does not have a traditional ON / OFF switch, but instead has a **Sleep Mode** which will power down the unit after 3 hours of inactivity. When the unit receives a sync command or a test command with the Fire button, the Sleep Mode timer will reset. When in Sleep Mode, the sliders will not control the flashpower or the modeling lamp. To begin your shoot, push the fire button once to “wake” your remote.

TESTING

The **FIRE** button serves as a convenient way to test fire all flash units and power packs connected to the LG4X. This test confirms that all units are correctly connected and correctly receiving commands while additionally testing the battery condition and general functioning of the remote unit. Each time the FIRE button is pressed, the red LED indicator on the remote should briefly light (this LED is located next to the number 4 under the telephone jack connections on the front panel of the LG4X). The red light indicates that the battery is charged to an acceptable level and indicates that a diagnostic test of the remote unit’s major internal components has been successfully performed. The same diagnostic routine is carried out when the remote unit has been fired via the built-in slave or sync jack. The LG4X need not be connected to the flash units to be tested.

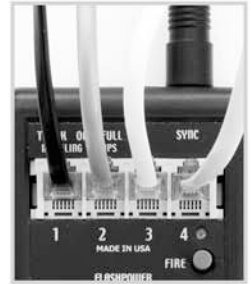
GETTING STARTED

To begin using the LG4X, you will need to have your flash units and flash heads / power packs (with their various accessories) in place, with the individual units connected to an AC power source.

1. In order to utilize the Modeling Lamp Switch on the LG4X, the Modeling Lamp switch must first be engaged on the flash unit or power pack. Ensure that each connected unit has the modeling lamp turned ON.
2. Move the **LG4X Modeling Lamp** switch (located on the top of the remote) to the “**TRACK**” position. This will provide a **What-You-See-Is-What-You-Get** preview, where the modeling lamp in each unit will track the changes that you make in flashpower. The lamp will dim as the flashpower is lowered, and brighten as the flashpower is raised. Should you wish to turn the modeling lamps off, or keep them on full brightness throughout the shoot, you can move this switch to change the setting at any time once your remote control is in use.

GETTING STARTED *continued...*

3. To connect the first flash unit / power pack to the remote control, plug one end of one of the provided telephone cables into the **telephone jack on the unit's control panel**, and plug the other end into the **telephone jack on the LG4X** that is labeled with the number 1. The first flash unit / power pack connected will be "Unit 1." The first slider control on the LG4X that is labeled with a 1 will now control the flashpower and modeling lamp settings of Unit 1.
4. Follow these same steps to connect up to three additional units (Unit 2, 3 and 4). The **color-coded cables** will visually indicate which unit in your setup is connected to each labeled port.
5. Once your units are connected to the remote, connect the remote to your camera with the provided **sync cord**. This connection will give the remote its cue to fire the connected unit when your shutter is pressed.
6. With your flash units / power packs connected to the remote and the remote connected to your camera, you are ready to turn each unit ON and begin shooting.



Note: While the remote connection will cue for your flash units / power packs to fire as your camera shutter is pressed, any other flashes of light in the area may still trip your units. If you will be working around other photographers, use the provided "**dummy**" plugs to disengage the built-in slave tripper on each connected unit. The slave can be disengaged by inserting a dummy plug into the sync jack on the unit's control panel. With the slaves disengaged, the units will *only* take their cue to fire from the remote / your camera.

CONTROLS

When a flash unit or power pack is connected to the LG4X, control of the unit's **Flashpower** and **Modeling Lamp Mode** (Full, Off or Tracking) becomes a function of the LG4X, regardless of the settings on the unit's control panel. When the LG4X is in Sleep Mode (or disconnected), control of these parameters reverts back to the individual unit's control panel settings.



AlienBees ABR800 Ringflashes



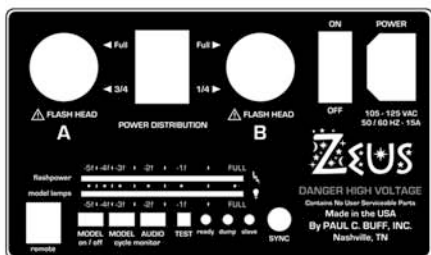
AlienBees Flash Units



X-Series and UltraZAP Flash Units



Ultra Series Flash Units



Zeus Z1250 and Z2500 Power Packs

The controls and settings listed below for each flash unit / power pack below are **not remotely operable** and must be set on the control panel for the individual unit:

AlienBees Flash Units (B400, B800 and B1600) and Ringflashes (ABR800):

- the Power ON / OFF switch
- the white MODEL LAMP ON switch
- the MODEL LAMP TRACK switch
- the MODEL LAMP CYCLE switch

White Lightning X-Series Flash Units (X800, X1600 and X3200):

- the Power ON / OFF switch
- the Power Mode RANGE switch
- the white MODEL switch
- the Model = READY switch

White Lightning UltraZAP Flash Units (UZ800 and UZ1600):

- the Power ON / OFF switch
- the white MODEL switch
- the Model = READY switch

White Lightning Ultra Flash Units:

- the Power ON / OFF switch
- the MODEL (tracking / full / off) switch
- the white Model switch
- the Relative Model switch

>> Note on using the LG4X with the retired White Lightning Ultra units:
 If sync voltage is an issue with using your digital camera and the Ultra units, the LG4X remote control can be **used as a safe sync** between your digital camera and the Ultra units. While the Ultra Series units have a sync voltage of 9.5 volts, the LG4X remote has a sync voltage of only 5 volts.

Zeus Power Packs:

- the ON / OFF switch
- the POWER DISTRIBUTION switch
- the white MODEL ON / OFF switch
- the grey MODEL Cycle Monitor switch
- the blue AUDIO Cycle Monitor switch

These controls / settings must be set to the desired positions on each individual unit. The unit must be turned ON before remote operation can begin.

OPTIONS AND CUSTOM CONFIGURATIONS

*If you would like **longer cables for operation at further distances**:*

If you need to increase the distance between the flash units / power packs and the remote, off-the-shelf modular telephone cables may be purchased at local hardware stores and used. Make sure that these cables have **four internal wires**, as cables with only two wires will not work. You may also use two short cables to make one long cable by using an **In-Line Cord Coupler**. The LG4X has been tested with wire runs up to 100-feet without problems.

*If you wish to **control more than four flash units** with your LG4X:*

If you would like to control more lights, an additional LG4X may be used to control up to four more lights. Please note that multiple **remotes may not be wired to each other** from one telephone jack on an LG4X to another telephone jack on the additional LG4X. This will present a short circuit condition, resulting in battery failure and possibly causing damage to the unit itself. If you are using multiple remotes, only one needs to be synced directly to your camera. The second set of remote-operated lights may then be adjusted using your additional remote, but fired via their built-in slave trippers when your camera sync orders the first set of lights to flash.

*If you wish to **control multiple units from one channel**:*

Another popular custom connection is to mount several lights in a large overhead light bank and configure them to **function as a single unit** from one channel of the LG4X. This can be achieved using **modular adaptor** that allows multiple cables to be connected to a single phone jack (one IN, multiple OUT), and may be purchased at a local hardware store. All flash units linked to that channel will assume that channel's slider setting.

If you plan to fabricate your own custom cables, keep in mind that standard modular telephone cables require a reversal of the wire order on alternate ends of each male-to-male connecting cable. Failure to follow this orientation will not harm the LG4X or the lights, but will prevent proper operation of the system. Regardless of the configuration, your lights should always be plugged into **grounded, three-pronged power outlets**. We recommend against defeating the third-wire ground on Paul C. Buff, Inc. units, or any other such equipment, for safety.



In-Line Cord Coupler:

A 4-conductor in-line cord coupler may be used to combine two line cords (available at local hardware stores).



Modular Adaptor:

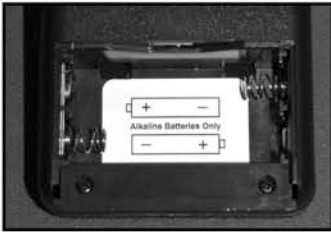
4-conductor modular adaptors (available at local hardware stores as 2-in-1 and 3-in-1 adaptors) may be used to convert a single jack to two or three jacks.

Please contact our Customer Support Team if you have questions about different setup options or custom configurations and would like assistance.

TROUBLESHOOTING

PROBLEM: the LED indicator does not light red

The LED indicator on the LG4X lets you know the status of the remote. A diagnostic test of the remote's internal components is performed each time that the unit is first used and a lit LED indicates successful results of this test. It also indicates that the batteries are appropriately charged. When test flashing from the LG4X using the Test button, if the LED indicator does not light red, first check the batteries. The batteries that ship with the remote should last for approximately 1000 hours before requiring replacement. To replace the batteries, you will need two standard 1.5 volt AA alkaline batteries. You can use rechargeable batteries, but they must be AA alkaline rechargeable batteries. Always use batteries from a reputable manufacturer. After replacing the batteries, if the LED still will not flash, an unlikely internal defect is indicated. If this should occur, you will need to contact our Customer Support Team.



Replacing the LG4X Batteries:

On the back side of the remote control is the battery encasement. Slide the cover off and remove the exhausted batteries. Replace the exhausted batteries with two standard 1.5 volt AA alkaline batteries or two standard AA alkaline rechargeable batteries. Always use batteries from a reputable manufacturer.

PROBLEM: the modeling lamp does not respond

If the modeling lamp on your flash unit does not respond with the remote, first ensure that your modeling lamp is turned ON on the unit's control panel. If the modeling light is turned on but still does not respond and you hear a **clicking noise** when you press the FIRE button, turn your flash unit off and disconnect the remote. Ensure that the modeling lamp button is depressed on the flash unit's back panel, and move the Modeling Lamp switch on the remote control to the "TRACK" position. Should you wish to turn the modeling lamps off, or keep them on full throughout the shoot, you can move this switch to change the setting at any time once your remote is in use. The remote control modeling lamp switch must begin in this "TRACK" position before a flash unit is connected in order to function properly.

PROBLEM: sporadic flashing

Powering your light on **multiple circuits can create problems**, as different circuits from different outlets may have different grounding or AC line noise. If you have units in your setup connected to more than one power outlet, you may see sporadic flashing when you connect the units to the LG4X. To prevent this, keep all of the units plugged in to one power outlet, using a power strip. This will ensure that the grounding for all connected units is the same.

60-Day Absolute Satisfaction Guarantee 2-Year Factory Warranty

This equipment is covered under a 2-year factory warranty. This warranty is limited to the repair or replacement of a unit which fails during the period stated. The warranty shall exclude the replacement of batteries, as these will become exhausted over time based on normal use. Should warranty service be required, you should first contact our Customer Service Team.

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(Monday through Friday, from 9:00am to 5:00pm, CST)

