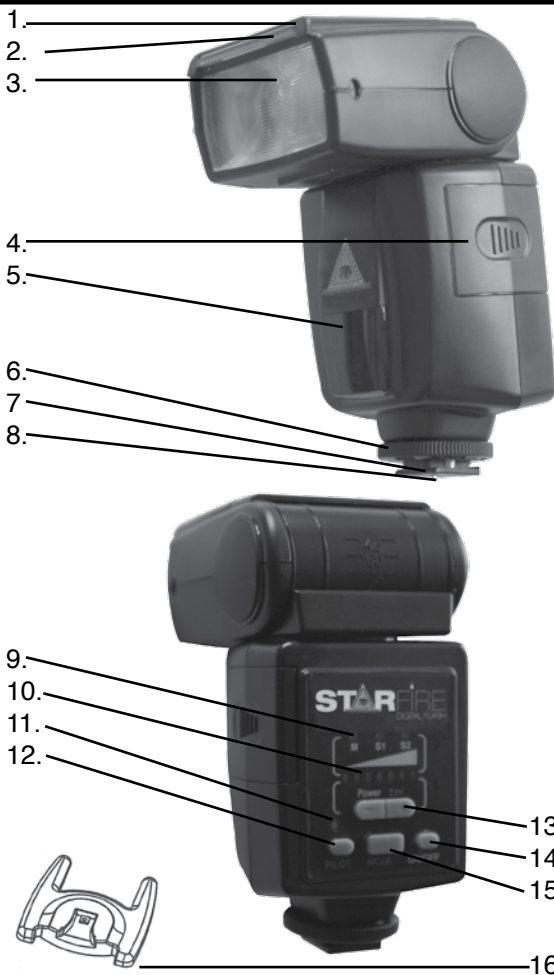


PHOTOFLEX.COM®

StarFire™ Digital Flash, SKU# AC-STARFIRE



StarFire™ Instruction manual

Before use, please read this user manual carefully in order to ensure your safety. Store it properly for reference in the future.

I. Warning

Always keep this product from rain or damp environment in order to prevent fire or electric shock.

If any of the following cases occur, please immediately remove the battery and discontinue use.

- When this product falls or suffers strong impact and thus its inside is exposed.
- When there is caustic liquid leakage inside.
- When this product has a strange smell, heat or smoke.

Do not dismantle or maintain this product. If you touch the high-voltage circuit inside of this product, electric shock may occur. If this product is idle for long, please take out all batteries.

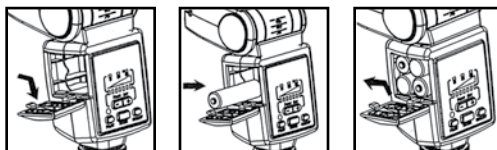
II. Product Features

1. Reflection board
2. Wide Angle diffuser
3. Flash head
4. Battery compartment cover
5. Optic control sensor
6. Locking ring
7. Hot shoe stand
8. Hot shoe pin
9. Mode select indicator (M, S1, S2)
10. Output level indicator
11. Ready light
12. Test button
13. Flash power level
14. Power switch
15. Mode select
16. Mini stand

1. Install battery

- Slide the battery cover along the arrow direction and then open it
- Install the batteries according to the direction indicated by the sticker in the battery compartment and make sure the positive and negative of the batteries are correct.
- Slide the battery cover along the arrow direction and then close it.

2. Install Flash to Camera



- In the direction indicated by the arrow, turn the locking ring to the highest point.
- Push the hot shoe of the flash completely into the hot shoe of the camera. In the direction indicated by the arrow, turn the locking ring until it is tightened.
- To remove the flash, loosen the locking ring and then push it out of the hot shoe of the camera.

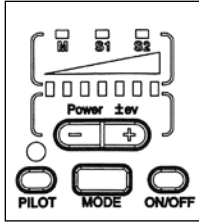


III. Installation

III. Power-on and Mode Switch

1. Power-on

- Hold the ON/OFF switch for 2 seconds, then the charging indicator lamp will be red and the flash will start charging. After several seconds, the indicator lamp will be green and you can start to take photos.
- If the charging indicator lamp keeps red for 60seconds, it will indicate low battery. In such case, the power will turn off automatically and you need to replace the batteries.
- You may press the test button to insure proper function.
- After use, hold the ON/OFF switch for 2 seconds to power off.



2. M. Mode

In this mode, you can set flash luminance as per you favorite; luminance level will be displayed by luminance indicator. When taking photos, you only require setting the flash luminance, adjust the camera and press the shutter, the flash light will flash under the camera synchronously signal.

3. S1/S2 M Mode

Press the MODE key, then the flash will enter S1/S2 mode. These modes are applicable for slave flash using the StarFires infrared sensor.

- When the flash is in S1 mode, it will work with the master flash synchronously, with the result consistent with the use of radio slave. To use this mode correctly, the master flash should be set at manual flash and the TTL flash system with pre flash function and the red-reduction function with multiple flashes should not be used.
- S2 mode is similar to S1 mode, but it can support the master flash in TTL mode. In particular, if S1 mode does not synchronize correctly you should use S2 mode.

4. Power Saving Function

In M mode, if idle for 3 minutes, the flash will enter sleep state in order to save power. Press any button to wake it up. If idle for 30 min, the flash will automatically power off. In S1/S2 mode, if idle for 60 min, the flash will power off automatically.

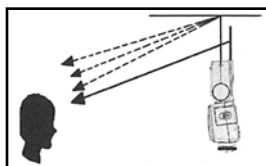
V. Advanced Application

1. Output Power Fine-Tuning Function

StarFire has the output power fine-tuning function. When Level 7 output power control cannot meet your demand, you can have a fine-tuning to the flash output with such function. To access this function, first press and hold the MODE button, then press the PILOT button, then the fourth one among the output power indicator lamps will be on and flicker, it indicates the flash has entered the output power fine-tuning state. In such case, press the "+" and "-" buttons to fine tune the output power of the flash with step length of 1/7 exposure value in order to obtain finer exposure control. Please note: In case of full output, only output power can be reduced. Press the MODE or PILOT button to exit or let the flash idle for several seconds to exit.

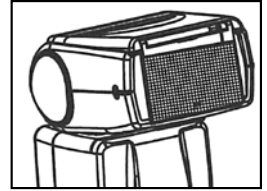
2. Use Reflection Board to take Photos

With the reflection board flash, draw the reflection board and the wide-angle diffusion board out from the light head at the same time and then push the wide-angle diffusion board back. In such case, if this product is being used to take photos, it will produce a highlighted point on the eyes of the subject to enhance the color. This result will be a more subtle effect when the flash head is at 90°



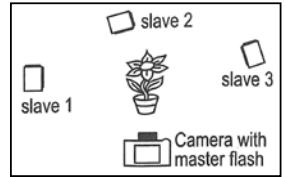
3. Use Wide-Angle Diffuser

Pull out the wide-angle diffusion board push back the reflection board and arrange them as per the figure; in such case, the flash scope will extend to 18 millimeter and the flash effect will be softer and more natural.



4. Multi-Flash Lighting Application

- Use built-in flash or top-mounted flash as the master flash
- Place StarFire in different directions
- In outdoor application, radio signals can be reflected by walls; therefore the placement of the slave flash should have more space
- Before placing of the slave flash, test whether S1/S2 can be synchronized normally.
- Do not place any obstacles between the host flash and the slave flash, because they may block the transmission of radio signals.
- In radio flash mode (S1 or S2) if the flash is idle for 30 min, it will power off automatically in order to save power.



VI. Specifications

Guide number:	USA 114/38 (at 35 millimeter focal length, ISO 100 in millimeters)
USA/Europe	159/53 (at 35 millimeter focal length, ISO 200 in millimeters)
Flash Mode:	M, S1, S2
Flash Power:	Control Level 46 light quantity output control with 1/7-stop increment
Circuit Design:	Insulated Gate Bipolar Transistor (IGBT)
Vertical	
Rotation Angle:	-7~90 degrees
Horizontal	
Rotation Angle:	0~270 degrees
Power:	4xAAA Size batteries (Alkaline or Ni-MH are usable)
Battery Life:	100-5000 times (AA Alkaline cell used)
Recycle Time:	Approx 4 second (AA Alkaline cell used)
Color Temperature:	5600 kelvin
Flash Duration:	1/800 second~1/20000 second
Dimensions:	72x135x85 millimeter 2.8x5.31x3.34 inches
Net Weight:	250 grams 8.81 ounces
Accessories:	Flash light (1), Protecting bag (1), Mini stand (1), and User manual (1)

VII. Possible Problems During Use and Solutions

1. Dark corners appear in photos or the object can only be lit locally? Because the light head focus of this product is fixed, be careful not to adjust the camera focus below 35 millimeter or make the lens to close to the object during use; otherwise, the occurrence of the above phenomena is normal; you can pull out wide-angle diffusion board to extend the flash scope of this product to 18 millimeter
2. You may feel the flash control panel is dim, because there is one protective film on the panel; you can tear it away to enjoy a clear visual effect
3. Please note that if you install the flash on an umbrella on the outdoors, it may easily be knocked down causing the flash hot shoe foot to become damaged.

PHOTOFLEX® WARRANTY

- Warranties only cover manufacturer's defects and workmanship
- We reserve the right to inspect all merchandise returned (end users and dealers) for warranty fulfillment.
- All returns must be accompanied by a receipt showing date of purchase.
- Freight must be paid both ways by the customer or dealer.
- Warranties are valid only from date of Original Purchase.