AODELAN

Wireless Flash Trigger
无线引闪器
User Manual
使用说明书

E4

Thank you for purchasing an AODELAN product.

AODELAN E4 is a TTL transmitter compatible with AODELAN radio system. It can be used to wirelessly synchronize the AODELAN flashes with the camera, combining TTL (Through-The-Lens, auto) exposure control mode with the option to manually adjust the exposure brightness.

Please read this user manual as well as the user manual provided with your camera and flash which works with E4 before use.

For your safety

Before using your product, please read the following safety precaution carefully to ensure correct and safe use.

- Do not disassemble or attempt to repair it.
- Do not use the product in the presence of flammable or explosive gas.
- The product is not waterproof. Please keep away from rain, snow and high humidity conditions.
- Do not expose the product to high temperature over 45℃ (e.g. left in a car trunk).
- Do not clean the product with organic solvent or alcohol-based liquid.
- A thorough explanation of how to use the product by an adult is required when the product is used by children. Supervise children while they are using the product.
- Consult local authorities on the proper disposal or recycling of a battery.

RED 2014/53/EU

Declaration of Conformity EC

Hereby, **Shenzhen Aodelan Technology Co., Ltd.** declares that this product is in compliance with essential requirements and other relevant provisions of Directive 2014/53/EU. This product can be used across EU member states. A copy of the Declaration of Conformity can be found at www.aodelan.net.

CE

Declaration of Conformity USA AND CANADA

Product name: Wireless Flash Trigger
Trade name: AODELAN
Model number: E4
FCC ID: 2AEJW-E4
IC ID: 25192-E4
Manufacturer: Shenzhen Aodelan Technology Co., Ltd.

FCC Statement

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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

RF Exposure Information

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

CAUTION

RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

ISED Statement

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two 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. The digit al apparatus complies with
Canadian CAN ICES-3 (B)/NMB-3(B).

Le présent appareil est conforme aux CNR d'Industrie Canada applicable aux appareil 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'appareildoit accepter tout brouillage radioélectrique subi, mêmesi le brouillage est susceptible d'en compromettre le fonctionnement.

This radio transmitter (ISED certification number: 12258A-ST8) has been approved by Industry Canada to operate with the antenna types listed with the maximum permissible gain indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

Le présent émetteur radio (ISED certification number: 12258A-ST8) a été approuvé par Industrie Canada pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal. Les types d'antenne non inclus dans cette liste, et dont le gain est supérieur au gain maximal indiqué, sont strictement interdits pour l'exploitation de l'émetteur.

Radiation Exposure Statement

This equipment complies with Canada radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Déclaration d’exposition aux radiations

Cet équipement est conforme Canada limites d’exposition aux radiations dans un environnement non contrôlé. Cet équipement doit être installé et utilisé à distance minimum de 20cm entre le radiateur et votre corps.

This device is intended only for OEM integrators under the following condition:

The transmitter module may not be co-located with any other transmitter or antenna.

As long as the condition above is met, further transmitter test will not be required. However, the OEM integrator is still responsible for testing their end-product for any additional compliance requirements required with this module installed.

Cet appareil est conçu uniquement pour les intégrateurs OEM dans les conditions suivantes:

Le module émetteur peut ne pas être coïmplanté avec un autre émetteur ou antenne.

Tant que les 1 condition ci-dessus sont remplies, des essais supplémentaires sur l'émetteur ne seront pas nécessaires. Toutefois, l'intégrateur OEM est toujours

responsable des essais sur son produit final pour toutes exigences de conformité supplémentaires requis pour ce module installé.

Important Note:
In the event that these conditions cannot be met (for example certain laptop configurations or co-location with another transmitter), then the Canada authorization is no longer considered valid and the IC cannot be used on the final product. In these circumstances, the OEM integrator will be responsible for re-evaluating the end product (including the transmitter) and obtaining a separate Canada authorization.

Note Importante:
Dans le cas où ces conditions ne peuvent être satisfaites (par exemple pour certaines configurations d'ordinateur portable ou de certaines co-localisation avec un autre émetteur), l'autorisation du Canada n'est plus considéré comme valide et l' IC ne peut pas être utilisé sur le produit final. Dans ces circonstances, l'intégrateur OEM sera chargé de réévaluer le produit final
(y compris l'émetteur) et l'obtention d'une autorisation distincte au Canada.

End Product Labeling
The final end product must be labeled in a visible area with the following: Contains IC: 25192-E4.

Plaque signalétique du produit final
Le produit final doit être étiqueté dans un endroit visible avec l'inscription suivante: Contient des IC: 25192-E4.

Manual Information to the End User

The OEM integrator has to be aware not to provide information to the end user regarding how to install or remove this RF module in the user's manual of the end product which integrates this module.

The end user manual shall include all required regulatory information/warning as show in this manual.

Manuel d'information à l'utilisateur final

L'intégrateur OEM doit être conscient de ne pas fournir des informations à l'utilisateur final quant à la façon d'installer ou de supprimer ce module RF dans le manuel de l'utilisateur du produit final qui intègre ce module.

Le manuel de l'utilisateur final doit inclure toutes les informations réglementaires requises et avertissements comme indiqué dans ce manuel.

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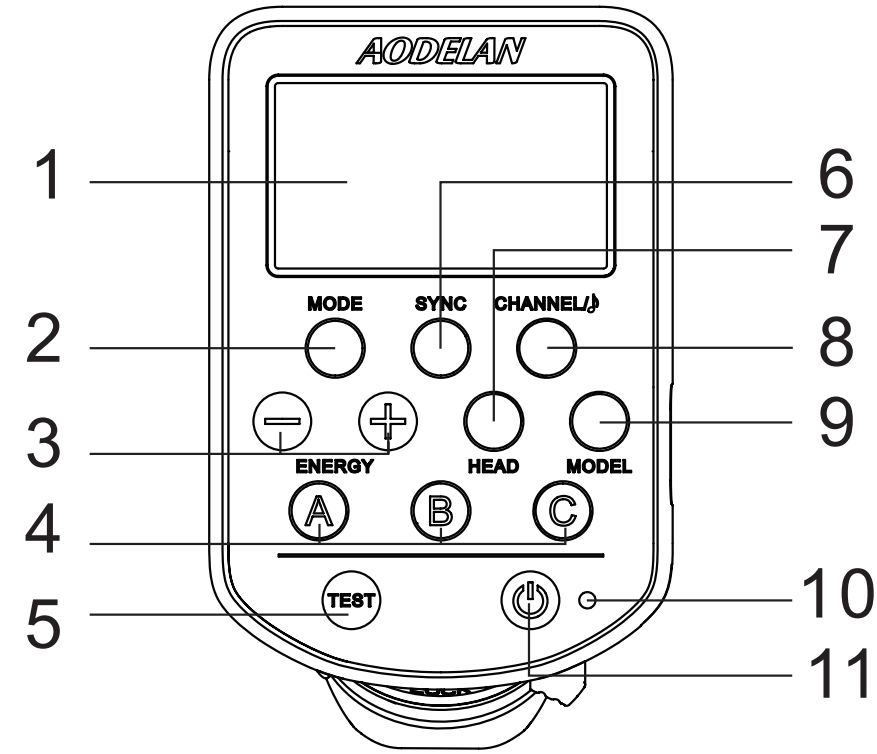
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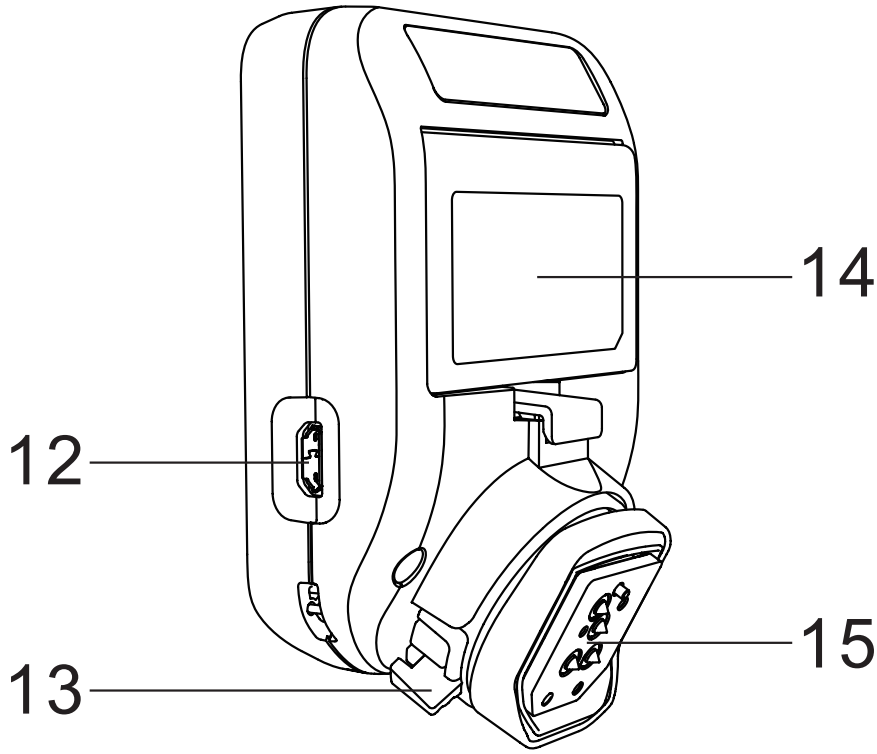
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1. Display
2. Mode Button
3. Energy Adjustment Buttons
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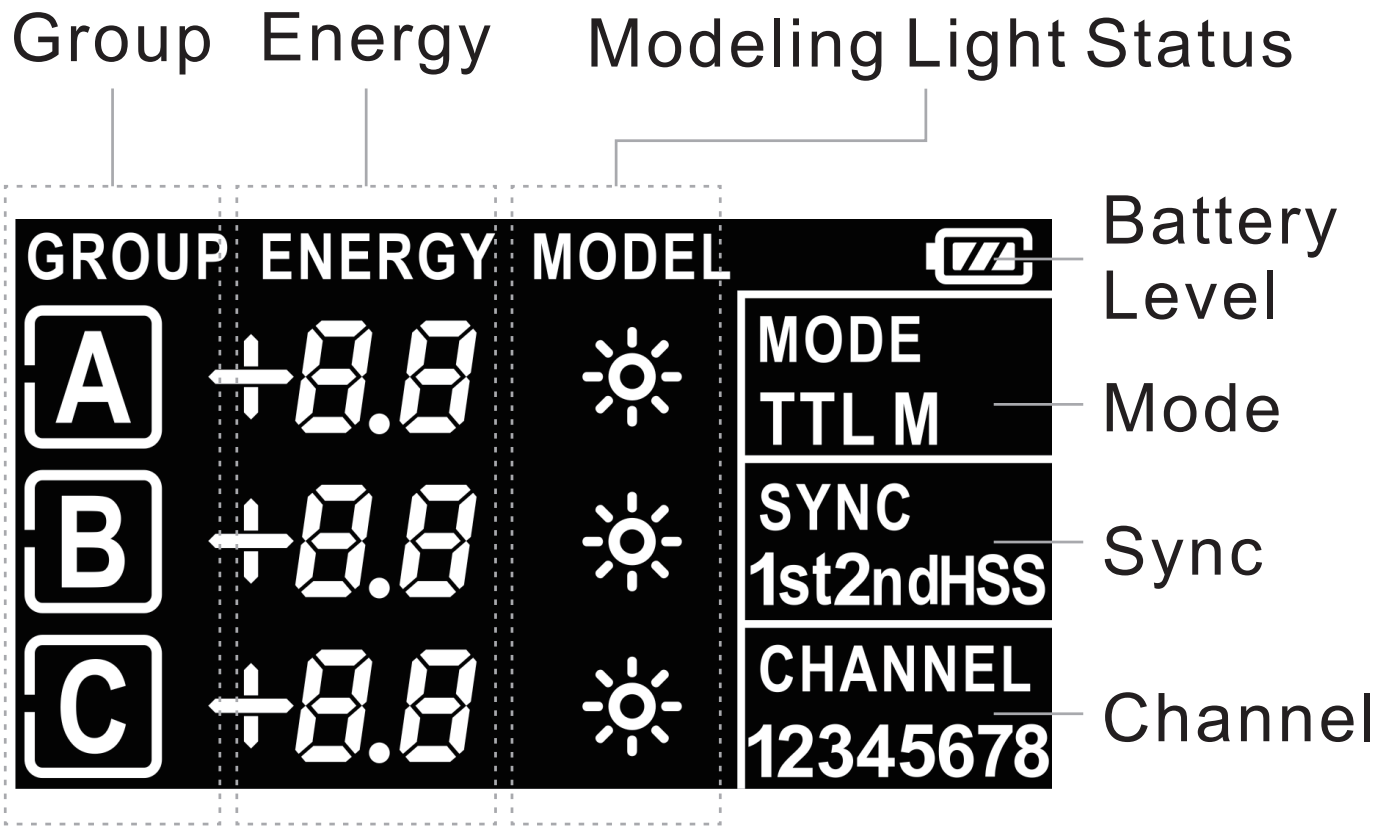
4. Group Buttons (A, B, C)
5. Test Button
6. Sync Button*
7. Head Button
8. Channel/Beeper Button
9. Model Button
10. Indicator
11. Power Button
12. USB Port
13. Mounting Foot Lock Lever
14. Battery Compartment
15. Hot Shoe Mounting Foot

** E4 for Fujifilm version doesn't have the "Sync Button"; its sync mode depends on the camera's own settings.*

Display

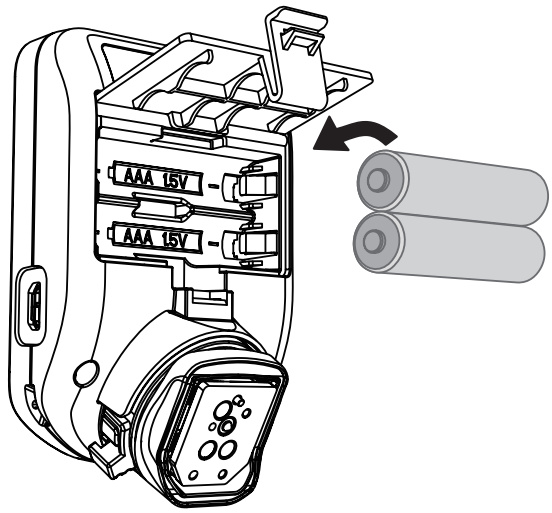


II. Getting Started

Installing the batteries

1. Open the battery compartment cover from the back of E4.
2. Install 2 AAA batteries in accordance with the illustrated direction inside the battery compartment.

3. Close the battery compartment cover in place.



Precautions for Use

- The battery level  is shown in the upper right corner of the Display [1].

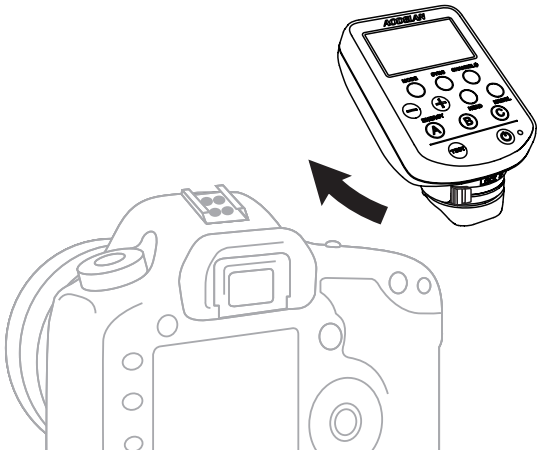
- When the battery is low,  or  will be shown in the Display [1], replace the batteries with new ones.

Turning E4 on/off

1. Turn on: Press the Power Button [11] to turn on the E4, the Display [1] lights up and contents are displayed.
2. Turn off: Press and hold the Power Button [11] until the Display [1] lights off.

Connecting to the camera

1. Turn off the camera and E4.
2. Slide the Hot Shoe Mounting Foot [15] of the E4 into the camera's hot shoe mount.
3. Lock the E4 by sliding the Mounting Foot Lock Lever [13] to right until the lock lever clicks in place.
4. Turn on the camera and E4 and set the shooting mode of the camera to Manual (recommended).
5. To detach E4, press the lock-release button on the Mounting Foot Lock Lever [13] while slide the lock lever all the way back to the left, then slide the E4 out of camera's hot shoe mount.



III. Basic Functions and Buttons

Channel Selection

1. Channel selection is used to select one of eight specific frequencies in the 2.4GHz band.
2. Press the Channel/Beeper Button [8] to select the channel.
   - The currently selected channel is shown in the “Channel” section on the Display [1].

Group Selection

1. Groups are used to allow remote radio control of selected flashes.
2. All flashes that are assigned to the same group under the same channel will be controlled by E4 simultaneously.
3. Press the Group Button [4] A / B or C to select the group.
   - The selected Group is shown with its letter in a box.

4. Press the Group Button [4] corresponding to the currently selected group again to select all groups.
   - If there is no group letter is shown with a box, all groups are selected

Mode Selection (TTL or Manual)

1. The currently selected mode is shown in the “Mode” section on the Display [1].
2. Press the Mode Button [2] to toggle between TTL (Through the lens, Automatic) and M (Manual) mode.
   - TTL mode: The camera dictates the light output of the flashes. The relationship between the energy levels for group A, B and C can be adjusted.*
   - M mode: The light output for group A, B and C can be controlled manually.

** Please refer to the instruction of relative energy level in the section of “Operation in TTL mode” in this user manual.*

Sync selection (1st curtain, 2nd curtain and HSS)

1. The selected sync setting is shown in the“Sync” section on the Display [1].
2. Press the Sync Button [6] to cycle through the sync options:
   - 1st: First-curtain (also known as front-curtain) synchronization. The flashes fire immediately after the exposure starts.
   - 2nd: Second-curtain (also known as rear-curtain) synchronization. The flashes fire right before the shutter closes.
   - HSS: High speed synchronization (also known as Auto FP or FP flash). HSS mode is selected.

Precautions for Use

- E4 for Canon version supports three sync selections: 1st, 2nd and HSS.
- E4 for Nikon version supports two sync selections: 1st and 2nd. To use high speed synchronization, turn on Auto FP mode in the camera menu.*
- E4 for Sony version, for Olympus/ Panasonic version supports two sync selections: 1st and HSS. To use second-curtain synchronization, select “Rear Sync.” (or “2nd curtain”) mode in the camera menu.*
- E4 for Pentax version supports two sync selections: 1st and HSS; second-curtain synchronization is not supported.
- E4 for Fujifilm version does not support sync selection, select sync mode in the camera menu.*

** Please refer to the camera’s user manual.*

High speed synchronization (HSS, also known as Auto FP or FP flash)

1. HSS enables shooting with flash at a faster shutter speed than the fastest external flash sync speed (x-sync) of the camera, all the way down to 1/8000s (may differ between camera models).
2. This option can be extremely useful to limit the influence of ambient light when shooting in bright conditions.

Precautions for Use

- During a HSS flash, the flashes are pulsing to provide a constant light output during the time when the shutter is open.
- To ensure a perfect exposure and a stable flash pulse, the flash uses only the upper part of its power range when in HSS Mode. Exact range may differ between flash models.
- Frequent use of HSS will have an impact on the life-time of the flash tube.

Remote Control – Head Control; Model Control; Energy Adjustment

1. E4 can remotely radio control all flashes with built-in AODELAN radio system functionality.
2. The Channel settings on the E4 unit must match the Channel settings of the flashes.
3. Press the Head Button [7] to turn on/off the heads in the selected group.
   - If the heads in a group are turned off, “--” will be shown after the group letter.
4. Press the Model Button [9] to turn on/off the modeling light in the selected group.
   - If the modeling light in a group is turned on, “  ” will be shown in the MODEL column after the group letter.

5. Press the Energy Adjustment Buttons [3] to adjust the energy level for the group in relation to the other groups (TTL mode) or the energy level for the group (M mode). *
   - <+> represents increase.
   - <-> represents decrease.
   - Short press Energy Adjustment Button (< 2 seconds) to adjust the flash output energy level in 1/10 f-stop increments.
   - Long press Energy Adjustment Button (> 2 seconds) to adjust the flash output energy level in 1 f-stop increments.

** Since energy adjustments work differently in TTL mode and Manual mode, we recommend to careful reading the detailed instructions for both modes in the section of "Operating Instructions" in this user manual.*

Command Confirmation (only in M mode)

1. If the output energy of a flash has been set to maximum or minimum level, then the flash cannot continue to increase or decrease its output energy as commanded by the E4.
2. At the point E4 will make continuous and short beeps to signal that the command was not executed.
3. The energy of all flashes in the group will remain unchanged.

Test Function

1. Press the Test Button [5] to manually transmit a sync signal for remote flash triggering to verify expected functionality.

Beep

1. Press and hold the Channel/Beeper Button [8] until the E4 makes two short beeps to turn on or off the E4 button beep.
2. There will be a long beep when E4 is turned on regardless of whether the beeper is turned on or not.
3. Some functions are not supported in certain situations, there will be no beep when the corresponding button is pressed even if the beeper is turned on. For example, selecting a group and turning off its heads, then there will be no beep when the Energy Adjustment Buttons [3] or Model Button [9] is pressed.

Auto Power Off

1. E4 automatically turns off after 30 minutes of inactivity.
2. Each time after the E4 is turned on by pressing the Power Button [11], the auto power off function will be enabled.

3. To deactivate the auto power off function, press and hold the Energy Adjustment Button [3] “+” while the E4 is off, then press the Power Button [11] simultaneously, E4 turns on and makes two short beeps, which indicates the auto power off function has been deactivated.

Factory Settings

1. Ensure that the E4 is turned off.
2. To reset the E4 to factory settings, press and hold down the Mode Button [2] and then press the Power Button [11] simultaneously, the Display [1] shows “rES”.
3. Release the buttons, E4 is turned on and reset to factory settings.
4. The factory settings of E4 are - TTL mode, 1st (First-curtain synchronization), Channel 1, all groups, the relationship between the energy levels for Group A, B and C is all 0.0.

Other functions

1. Power Saving

- To save battery, the backlight of Display [1] will start to dim after 15 seconds of inactivity.
- Press the Power Button [11] to restore the backlight brightness of the display.
- The backlight brightness of the display also restores when any of the function buttons are used.

2. Relay State

- Press and hold the Mode Button [2] until E4 makes two short beeps to enter into the Relay State or to exit and return to the Standard State.
- The Indicator [10] blinks red in Relay State.
- The Indicator [10] blinks green in Standard State.
- The E4 transmitter in replay state only works with the E2 in reply state receive mode. *

** Refer to the user manual of E2 for more info.*

3. Firmware Update

- We recommend that you look for firmware updates before you start using your new E4.
- Press and hold the Energy Adjustment Button [3] “-” while the E4 is off, then press the Power Button [11] simultaneously, the Display [1] will show the current firmware version number.
- Press the Power Button [11] or Test Button [5] to exit the firmware version interface and return to the normal working interface.
- Go to www.aodelan.net to download the latest firmware update package for the corresponding E4 version, update your E4 to the latest firmware according to the provided Update Instruction.

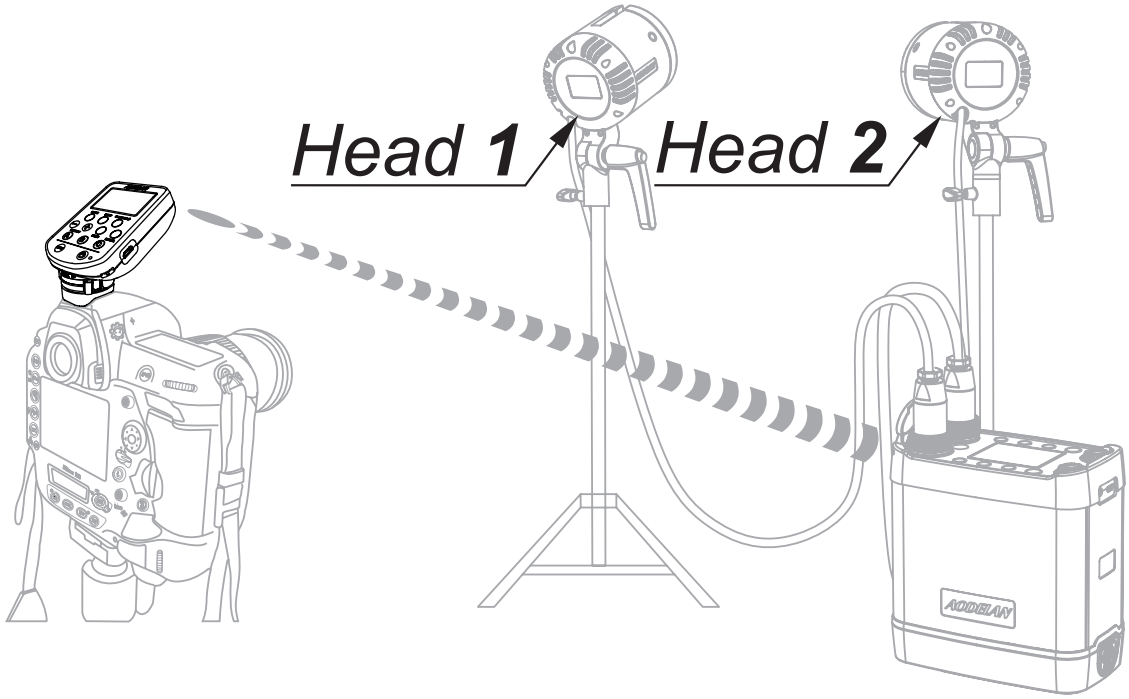
IV. Operating Instructions

Precautions for Use

- Before starting all of the following operations please turn off E4 as well as the camera and flashes which work with E4, and turn on all units after the connection is completed.
- The following operations are all based on E4 is in standard state, the Indicator [10] blinks green.

1. Connect the E4 to the camera.
2. Set the flashes to synchronize via radio.
3. Set the E4 and the flashes to the same radio channel.
4. Select the same group settings (A/B or C) for all flash heads that shall be controlled simultaneously.
5. Press the Test Button [5] on the E4 to verify that the flash heads fire as expected.

6. Press the Mode Button [2] to toggle between TTL (Through the lens, Automatic) and M (Manual) mode.

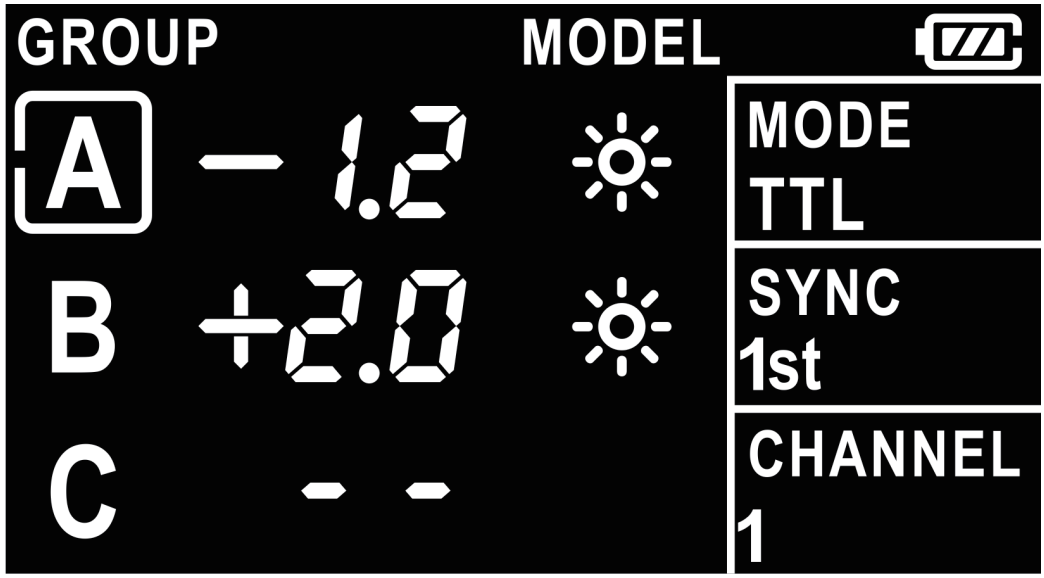


Operation in TTL mode (Through the lens, Automatic mode)

In TTL mode the camera dictates the light output of the flashes. If more than one light group is used the relationships between the energy levels for group A, B and C can be adjusted. This can, for example, be used to achieve more light on one side of the object.

1. Press the Group Button [4] A, B or C to select the group you want to adjust.
2. Use the Energy Buttons [3] to set the relative light output for the selected group, in relation to the other groups. The relations can be set ±2.0 f-stop for each group A, B or C. Relations should not be confused with exposure compensation. (Carefully read “Precautions for use” in the end of this section.)
3. Press the Model Button [9] to turn on/ off the modeling light in the selected group(s).

4. Press the Head Button [7] to turn on/off the heads in the selected group(s) (if the heads in a group are turned off, the relation value for that group will display '--').
5. When changing from M mode to TTL mode, the previous TTL relation values are displayed.



Example of E4 Display [1] settings in TTL mode operation

The corresponding settings of the display shown in the figure are:

- *TTL mode, First-curtain synchronization (1st).*
- *Channel 1, Group A is selected to be adjusted.*
- *The relative light output from flashes in group B is set to 3.2 f-stops more than flashes in group A. (A to -1.5 f-stops and B to +2.0 f-stops).*
- *Flashes in Group C are turned off.*
- *The modeling light is turned on in both group A and B.*

Precautions for use

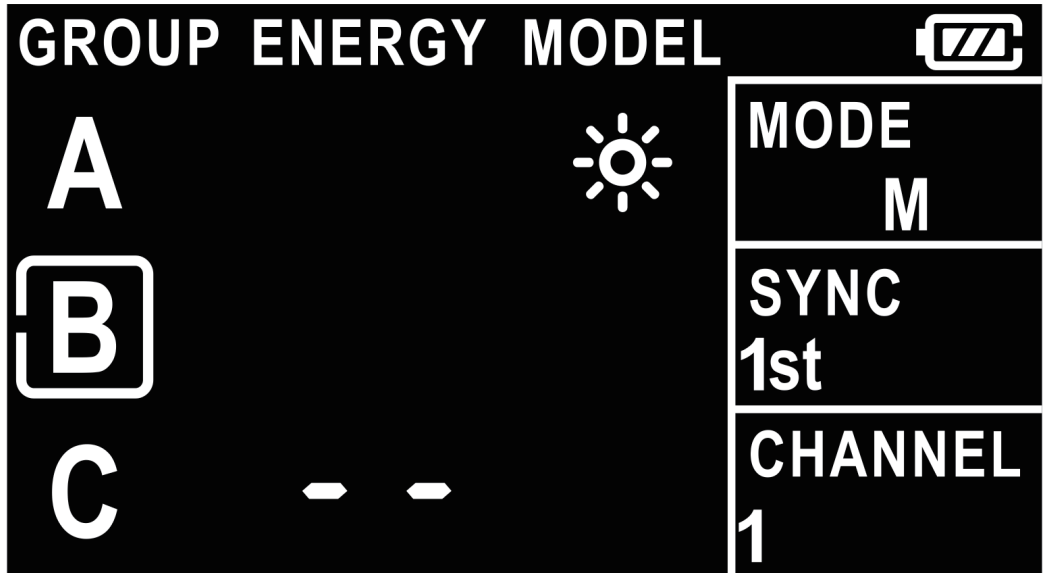
- Relation values should not be mistaken for flash exposure compensation. To compensate the total flash exposure, always use the flash exposure compensation function in the camera. Refer to camera user manual for details.
- If flashes without AODELAN TTL support are used in combination with AODELAN flashes in TTL mode, the flash outputs of the non-TTL flashes are added to the total flash exposure. Such flashes can, for example, be used to manually set the exposure on the background.
- If an AODELAN-raido-system compatible flash is set to group D, E or F under the same channel, it will be synchronized but not be part of the TTL calculation. The flash outputs of these flashes are added to the total flash exposure and can for instance be used to manually set the exposure on the background.

Operation in M mode (Manual mode)

With the E4 is set to M mode, the light output for groups A, B and C can be adjusted manually. By alternating between TTL and M mode, you can test your way to the perfect light.

1. Press the Group Button [4] A, B or C to select the corresponding group, or to select all groups.
2. Use the Energy Buttons [3] to adjust the light output for the group. The adjustment (increase/decrease) always starts from the current light output setting on the flashes and the adjustment value is momentarily (approx. 6 seconds) shown in the ENERGY section on the Display [1].
3. Press the Model Button [9] to turn on/off the modeling light in the selected group(s).

4. Press the Head Button [7] to turn on/off the heads in the selected group(s) (if the heads in a group are turned off, the light output energy value for that group will display “--”).



Example of E4 Display [1] settings in M mode operation

The corresponding settings of the display shown in the figure are:

- *M mode, First-curtain synchronization (1st).*
- *Channel 1, Group B is selected to be adjusted.*
- *Flashes in Group C are turned off.*
- *If the light output for group A or B is adjusted, the energy change will be shown momentarily in the ENERGY section on the Display [1].*
- *The modeling light is turned on in group A.*

Precautions for use

- The current energy adjustment value is only shown on the Display [1] momentarily and will disappear after approx. 6 seconds.
- When you adjust the energy again, the initial adjustment value starts again from +/- 0.1 (short press the Energy Adjustment Button [3]) or from +/- 1.0 (long press the Energy Adjustment Button [3]).
- When all groups are selected E4 will also control the flashes in group D, E or F (selected on flash).

V. Specification

Indicator [10]

State and operation on E4	Indicator
Standby in standard state	Blinks in green
Standby in relay state	Blinks in red
Communicating with the camera	Keeps on in green
Sent a flash synchronization command	Lights up in red for approx. 0.3 seconds

Notes

- *“Blinks” means blinks once per second.*

Frequency: 2.4 GHz
Range: Up to 200m (656ft) for triggering
Up to 100m (330ft) for remote control and TTL
No. of channels: 8 channels (1-8)
No. of groups per channel: 3 groups (A/B and C)

Power: 2 x AAA batteries
Operation modes: TTL (Through the lens, Automatic), M (Manual)
Max. Sync speed: 1st or 2nd sync: 1/250s
HSS: 1/8000s
(The speed may differ between camera models.)
Antenna: Internal antenna
Interface: Multi contacts hot shoe mounting foot x 1
Micro-USB B port x 1
Accessory: Strap x 1
Dimensions: Approx. 91 x 57 x 37mm (3.6 x 2.2 x 1.2 in)
Weight: Approx. 80g (2.8 oz) (without batteries)

Specifications and design are subject to change without notice.

感谢您购买奥德兰产品。

AODELAN E4 是一款兼容 AODELAN 无线电系统的 TTL 发射器，使用它可以轻松实现照相机与 AODELAN 闪光灯的无线同步，并且既可使用 TTL（镜头测光，自动）曝光控制模式，也可选择手动调节曝光亮度。

使用前，请阅读本使用说明书以及与 E4 搭配使用的照相机和闪光灯随附的使用说明书。

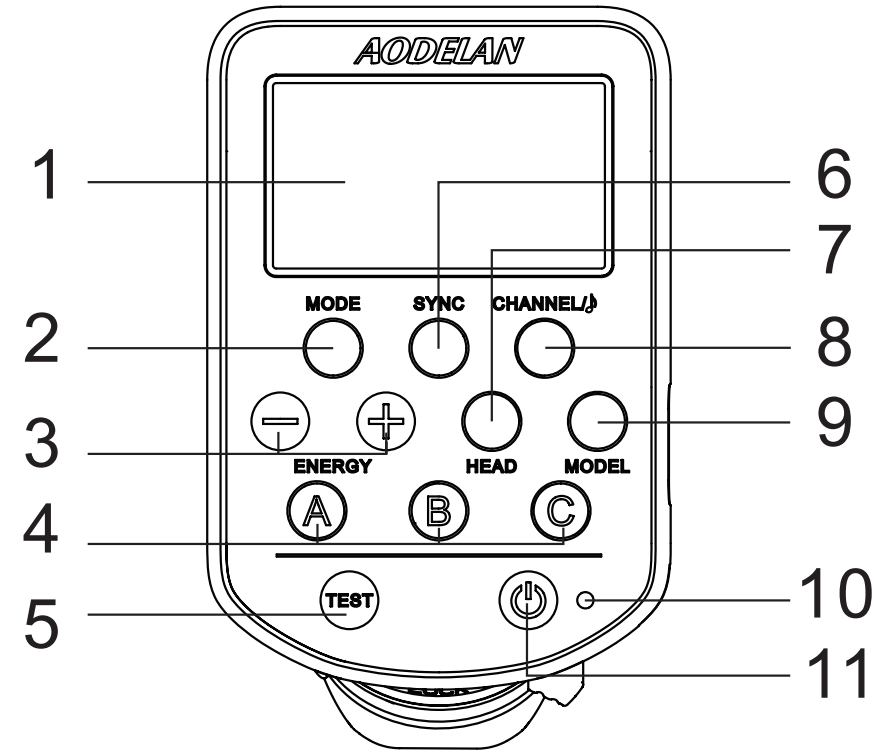
安全须知

请在使用前仔细阅读“安全须知”，并以正确的方法使用。

- 请勿试图自行拆开或进行维修。
- 请勿在有可能起火、爆炸的场所使用本产品。
- 本产品不具备防水特性，请远离雨、雪等高湿度的场合。
- 请勿将产品放置在超过 45℃的高温环境下，比如汽车尾箱内。
- 请勿使用有机溶剂或含酒精的液体来清洁该产品。
- 成年人需要在儿童使用本产品时详细说明如何使用本产品，并在儿童的使用过程中进行监督。
- 有关电池的妥善处理和回收，请咨询地方当局。

目录

一、部件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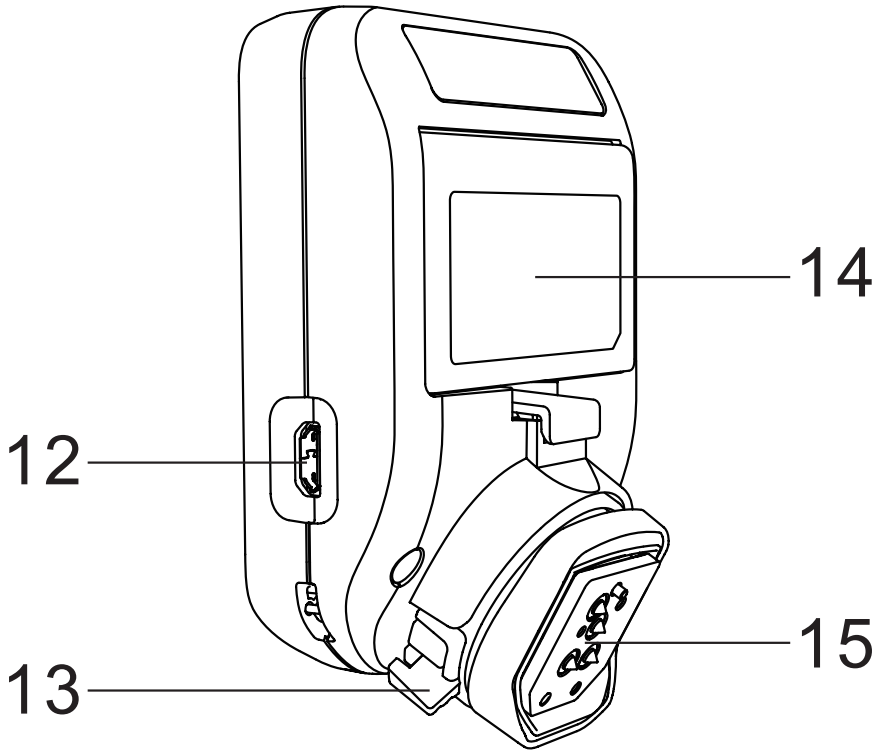
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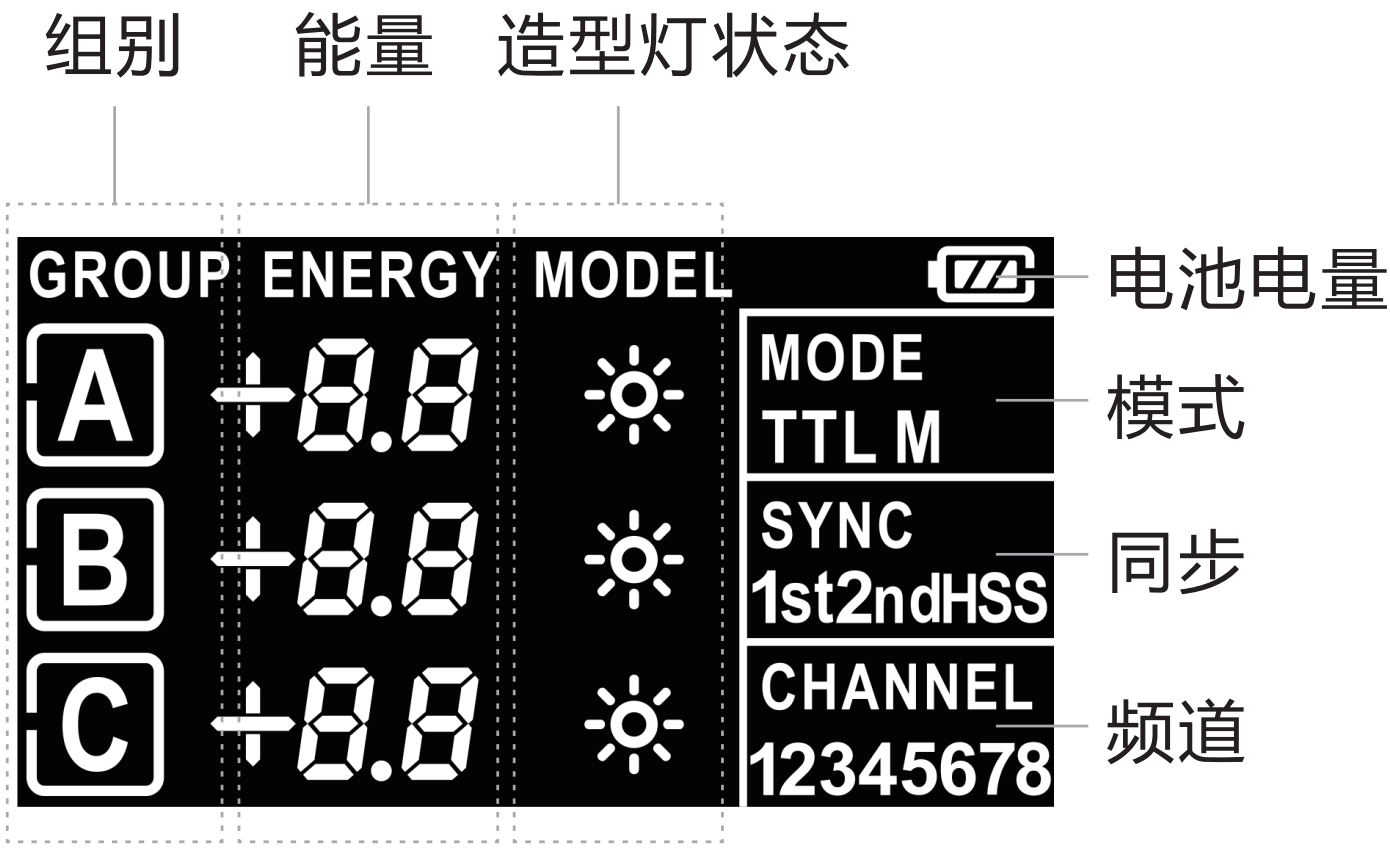
2. 模式按钮
3. 能量调节按钮
   （<+> 增加，<-> 降低）
4. 组别按钮（A，B，C）
5. 测试按钮
6. 同步按钮 *
7. 灯头按钮
8. 频道 / 蜂鸣器按钮
9. 造型灯按钮
10. 指示灯
11. 电源按钮
12. USB 端口
13. 固定座锁定杆
14. 电池舱
15. 热靴固定座

**E4 富士版没有“同步按钮”，其同步模式取决于相机自身的设置。*

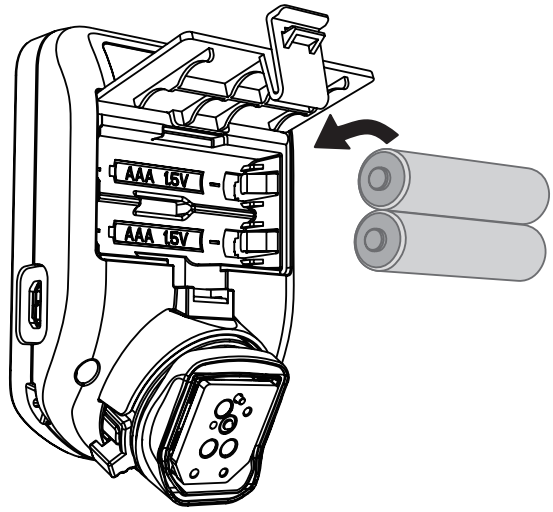
显示屏


组别
能量
造型灯状态
GROUP
ENERGY
MODEL
A
B
C
+8.8
+8.8
+8.8
MODE
TTL M
SYNC
1st2ndHSS
CHANNEL
12345678
电池电量
模式
同步
频道

二、使用前准备

装入电池

1. 打开 E4 后部的电池舱盖。
2. 按照电池舱中的图示方向装入 2 节 AAA 电池。
3. 盖上电池舱盖。



使用注意事项

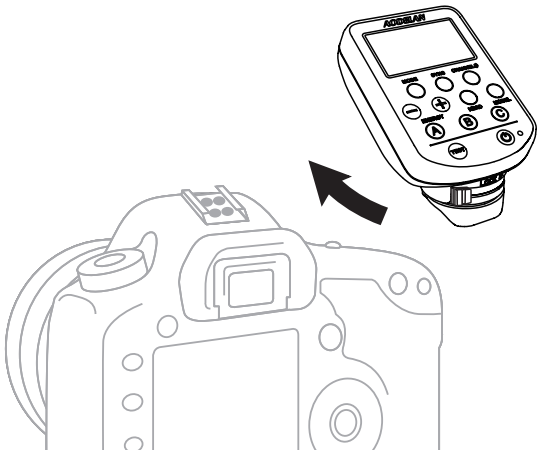
- 当前电池电量  显示在显示屏 [1] 的右上角。
- 当电池电量较低时，电量图标会显示  或者  ，请及时更换为新电池。

开启 / 关闭 E4

开启 : 短按电源按钮 [11] 开启 E4，显示屏 [1] 亮起并显示内容。
关闭：长按电源按钮 [11] 直至显示屏 [1] 关闭。

与照相机连接

1. 关闭 E4 和照相机。
2. 将 E4 的热靴固定座 [15] 插入照相机的热靴座。
3. 滑动固定座锁定杆 [13] 到右侧直至发出咔哒声将 E4 锁定到位。
4. 开启照相机和 E4，并将照相机的拍摄模式设置为手动 (推荐)。
5. 若要取出 E4，按住固定座锁定杆 [13] 上的释放按钮的同时将锁定杆滑到最左侧，然后将 E4 滑出照相机的热靴座。



三、基本功能及按钮

频道选择

1. 频道选择功能允许用户在 2.4GHz 波段的八个特定频率中任选其一。
2. 按频道 / 蜂鸣器按钮 [8] 选择频道。
   - 当前选定的频道显示在显示屏 [1] 的“频道”区域。

组别选择

1. 组别控制用于对所选闪光灯进行无线电遥控。
2. 同频道下被设定为同组别的所有闪光灯接受 E4 的同步控制。
3. 按一下组别按钮 [4] A、B 或 C，选择对应的组别。
   - 被选定的组别其字母带方框显示。
4. 再按一下当前已选定的组别对应的按钮，则可选择所有组别。
   - 若没有组别字母带方框显示，说明已选择所有组别。

模式选择（TTL 或手动）

1. 当前选定的模式显示在显示屏 [1] 的“模式”区域。
2. 按下模式按钮 [2] 在 TTL（镜头测光，自动）和 M（手动）模式之间切换。
   - TTL 模式：相机指定闪光灯的光输出。组别 A、B 和 C 之间的相对能级可调整。*
   - M 模式：组别 A、B 和 C 的光输出量可手动控制。

** 请参考本说明书“TTL 模式下的操作”章节对相对能级的说明。*

同步选择（前帘同步、后帘同步或高速同步）

1. 选定的同步模式显示在显示屏 [1] 的“同步”区域。
2. 按下同步按钮 [6] 选择同步模式：
   - 1st：前帘（也被称为第一帘）同步，闪光灯在曝光开始后立即闪光。
   - 2nd：后帘（也被称为第二帘）同步，闪光灯在快门即将关闭之前闪光。
   - HSS：高速同步（也被称为自动 FP 或者 FP 闪光），已选高速同步模式。

使用注意事项

- E4 佳能版支持三种同步选择：1st 、2nd 和 HSS。
- E4 尼康版支持两种同步选择：1st 和 2nd；若要使用高速同步，请在相机菜单中开启自动 FP 模式。*
- E4 索尼版、奥林巴斯 / 松下版支持两种同步选择：1st 和 HSS；若要使用后帘同步，请在相机菜单中选定“后帘同步闪光”（或者“第二帘幕”）模式。*
- E4 宾得版支持两种同步选择：1st 和 HSS；不支持后帘同步。
- E4 富士版不支持同步选择，请在相机菜单中选定同步模式。*

** 请参考相机的使用说明书。*

高速同步（HSS，也被称为自动 FP 或者 FP 闪光）

1. 高速同步允许在搭配闪光灯拍摄时使用较快的快门速度，突破相机的外部闪光同步速度上限（X-sync）。快门速度可一直提高至 1/8,000s（速度可能会因照相机款式而异）。
2. 该选项在明亮环境下拍摄时非常有用，可以限制背景光的干扰。

使用注意事项

- 开启高速同步闪光后，闪光灯会在快门开启时持续输出闪光。
- 为保证完美曝光和稳定的闪光效果，闪光灯在高速同步模式下仅启用其功率范围的上半部分。具体功率范围可能因闪光灯款式而异。
- 频繁使用高速同步闪光会影响闪光灯管使用寿命。

遥控 - 灯头控制；造型灯控制；能量调节

1. E4 可对所有内置 AODELAN 无线电系统的闪光灯进行无线电遥控。
2. 闪光灯上的频道必须与 E4 的频道设定一致。
3. 按灯头按钮 [7] 打开 / 关闭选定组的灯头。
   - 如果组别中的灯头已关闭，则会在组别字母的后面显示 “--”
4. 按造型灯按钮 [9] 打开 / 关闭选定组的造型灯。
   - 如果组别中的造型灯已打开，则会在组别字母后面的 MODEL 栏显示 “  ”。

5. 按能量调节按钮 [3] 调整各组别之间的相对能级（TTL 模式）或调整各组别的能级（M 模式）*。

- <+> 表示调高。
- <-> 表示调低。
- 短按能量调节按钮（< 2 秒）将以 1/10 档光圈级数的增量进行调整。
- 长按能量调节按钮（> 2 秒）将以 1 档光圈级数的增量进行调整。

** 由于能量调整在 TTL 模式和手动模式下的工作方式不同，我们建议您仔细阅读本使用说明书中“操作说明”章节对两种模式的详细介绍。*

命令确认（仅在 M 模式下）

1. 如果一个闪光灯的输出能量已经被设置为最大（或最小）级别，那么该闪光灯无法继续按照 E4 的命令调高（或调低）其输出能量。
2. 此时 E4 将发出连续短促的嘟嘟声，提示功率调节命令未被执行。
3. 分组中闪光灯的输出能量将保持不变。

测试功能

1. 按测试按钮 [5] 可以手动发射同步信号，用于遥控触发闪光以检验功能是否正常。

蜂鸣提示音

1. 长按频道 / 蜂鸣器按钮 [8] 直至 E4 发出两次短促的嘟嘟声以开启或关闭 E4 的按钮提示音。
2. 不管蜂鸣器是否开启，E4 在开机时都会有长蜂鸣提示音。
3. 有些功能在特定情况下不被支持，此时即便蜂鸣器处于开启状态，按下相应按钮也

不会有提示音。例如选择某一组别并且关闭该组别的灯头，此时按能量调节按钮 [3] 或造型灯按钮 [9] 就不会有蜂鸣提示音。

自动关机

1. E4 在闲置 30 分钟后即会自动关机。
2. 每次按电源按钮 [11] 开启 E4 后，自动关机功能都会启用。
3. 若要取消自动关机功能，在 E4 处于关机状态时按住能量调节按钮 [3] “+”，然后同时按电源按钮 [11]，E4 开机并发出两次短促的嘟嘟声，表示已停用自动关机功能。

出厂设置

1. 确保 E4 已关机。
2. 若要将 E4 恢复出厂设置，按住模式按钮 [2] 然后同时按电源按钮 [11]，显示屏 [1] 显示“rES”.
3. 松开按钮，E4 开机并恢复为出厂设置。
4. E4 的出厂设置为 – TTL 模式，1st（前帘

同步），频道 1，所有组别，A、B 和 C 组之间的相对能级都是 0.0。

其他功能

1. 节电功能

- 为了节约用电，显示屏 [1] 的背光会在用户无操作 15 秒后开始变暗。
- 按下电源按钮 [11] 以恢复显示屏背光亮度。
- 按下任意功能按钮，也可恢复显示屏背光亮度。

2. 中继状态

- 长按模式按钮 [2] 直至 E4 发出两次短促的嘟嘟声以进入中继状态或退出回到标准状态。
- 中继状态下指示灯 [10] 闪烁红色。
- 标准状态下指示灯 [10] 闪烁绿色。
- 处于中继状态的 E4 发射器仅搭配处于中继状态接收模式下的 E2 使用。*

** 更多信息请参考 E2 使用说明书。*

3. 固件升级

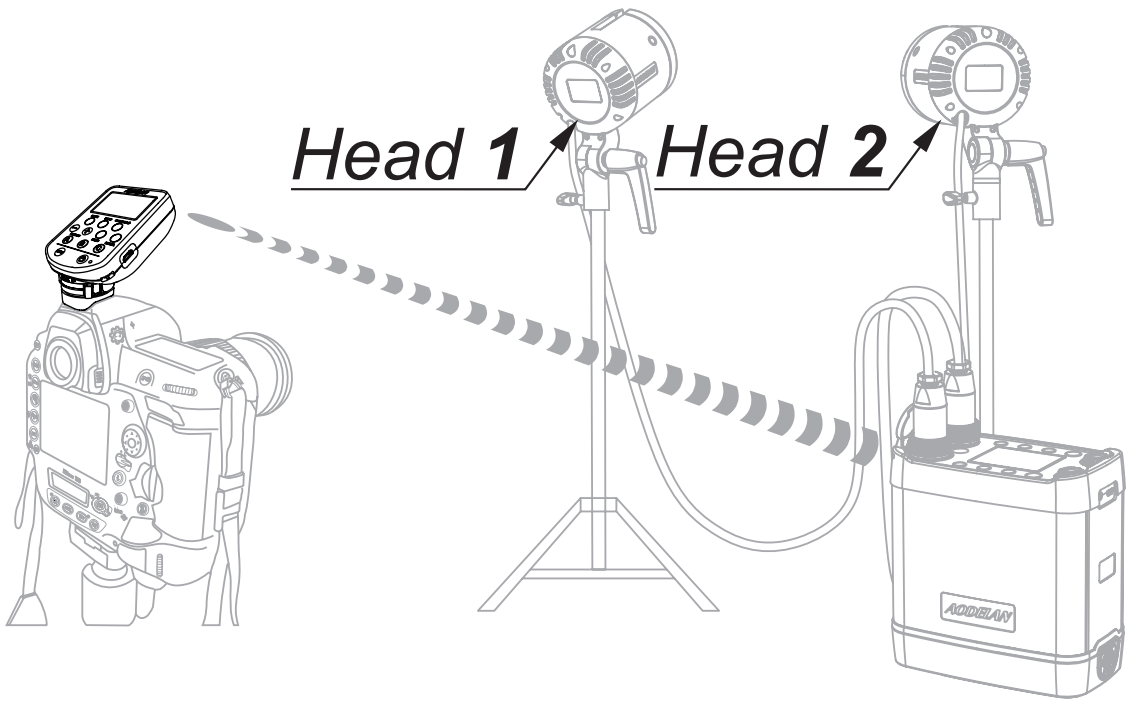
- 建议在开始使用新的 E4 前先升级固件。
- 在 E4 处于关机状态时按住能量调节按钮 [3] “-”，然后同时按电源按钮 [11]，显示屏 [1] 会显示当前的固件版本号。
- 按电源按钮 [11] 或者测试按钮 [5] 退出固件版本界面，回到正常工作界面。
- 进入 www.aodelan.net 下载 E4 对应版本的最新固件升级包，并根据其提供的升级说明书将你的 E4 升级到最新固件。

四、操作说明

使用注意事项

- 在开始以下的所有操作之前，请关闭 E4 以及和 E4 搭配使用的照相机和闪光灯的电源，待完成连接后再开启所有装置。
- 以下操作均基于 E4 处于标准状态，指示灯 [10] 闪烁绿色。

1. 将 E4 与照相机连接好。
2. 设置闪光灯通过无线电同步。
3. 将 E4 与闪光灯设置为相同的无线电频道。
4. 对于应当同时控制的所有灯头选择相同的组别设置（A、B 或 C）。
5. 按下 E4 上的测试按钮 [5]，检验灯头是否可提供正常闪光。
6. 按下 E4 上的模式按钮 [2] 在 TTL（镜头测光，自动）和 M（手动）模式之间切换。

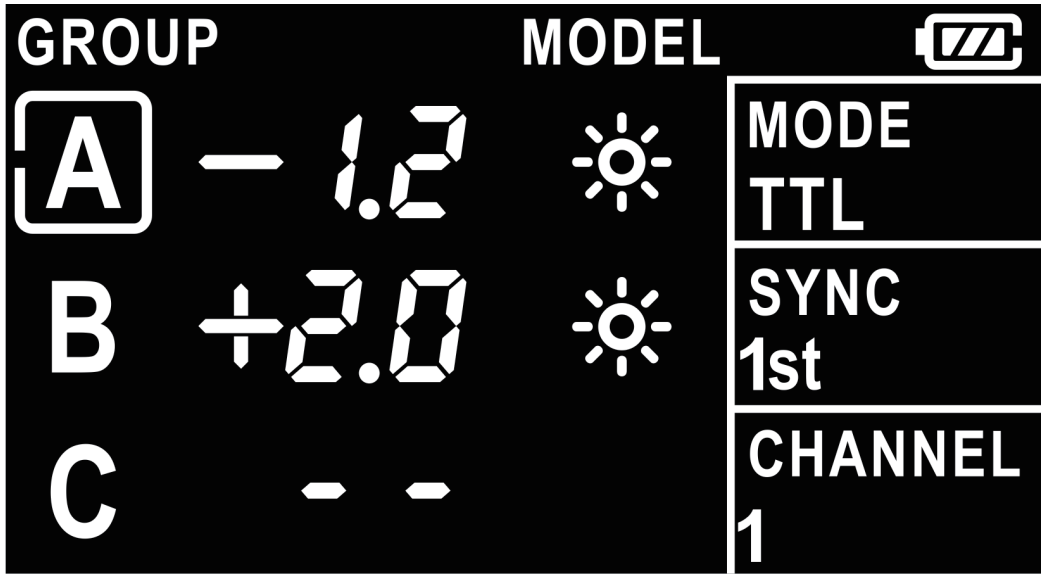


TTL 模式下的操作（镜头测光，自动模式）

在 TTL 模式下，相机指定闪光灯的光输出。如果使用多组闪光灯，则组 A、B 和 C 之间的相对能级可调整。比如，可实现在所摄物体的一侧获得更多光线。

1. 按下组别按钮 [4] A、B 或 C 选择要调整的组。
2. 使用能量调节按钮 [3] 为选定组设置相对于其他组的光输出。各组 A、B 或 C 之间的相对光输出能级可设置为 ±2.0 光圈。请注意不应将这些相对能级关系与曝光补偿混淆。（请仔细阅读本节末尾的使用注意事项。）
3. 按下造型灯按钮 [9] 打开 / 关闭选定组的造型灯。
4. 按下灯头按钮 [7] 打开 / 关闭选定组的灯头（如果组中的灯头已关闭，该组的相对光输出能级显示为“--”）。

5. 从 M 模式切换至 TTL 模式时，会显示之前的 TTL 相对能级设置。



TTL 模式下的 E4 显示屏 [1] 设置示例

图中所示显示屏对应的设置为：

- *TTL 模式，前帘同步（1st）。*
- *频道 1，选定组 A 进行调整。*
- *B 组的相对光输出比 A 组高 3.2 光圈（A 设置为 -1.2 光圈，B 设置为 +2.0 光圈）。*
- *C 组中的闪光灯已关闭。*
- *A 组和 B 组的造型灯同时打开。*

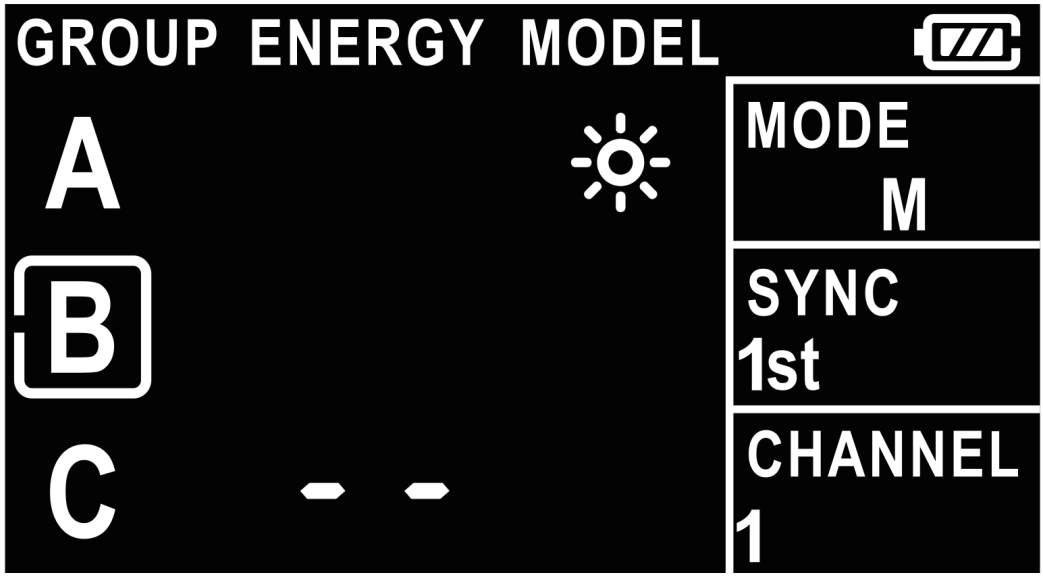
使用注意事项

- 请勿将相对能级关系值误认为闪光曝光补偿值。如需补偿闪光曝光总值，请一直使用相机中的闪光曝光补偿功能。详情请参阅相机使用说明书。
- 如果将不支持 AODELAN TTL 的闪光灯与 TTL 模式下的 AODELAN 闪光灯同时使用，非 TTL 闪光灯的闪光输出会加到总闪光曝光量中。例如，可使用此类闪光灯手动设置背景曝光量。
- 如果同频道下有其他兼容 AODELAN 无线电系统的闪光灯处于 D、E 或 F 组，则该闪光灯将被同步，但其闪光输出不计入 TTL 的测算范围。这些闪光灯的闪光输出会加到总闪光曝光量中，可用于手动调节背景曝光量。

M 模式下的操作（手动模式）

E4 设置为 M 模式时，组别 A、B 和 C 的光输出可手动调整。您可交替使用 TTL 和 M 模式以获得最理想的光输出。

1. 按下组别按钮 [4] A、B 或 C 选择对应的组别，或者选择所有组别。
2. 使用能量调节按钮 [3] 调整组的光输出。调整（增加 / 减少）总是从当前闪光灯上的光输出设置开始，调整值会短暂地（约 6 秒）显示在显示屏 [1] 的“能量”区域。
3. 按下造型灯按钮 [9] 打开 / 关闭选定组的造型灯。
4. 按下灯头按钮 [7] 打开 / 关闭选定组的灯头（如果组中的灯头已关闭，该组的光输出能级显示为“--”）。



M 模式下的 E4 显示屏 [1] 设置示例

图中显示屏对应的设置为：

- *M 模式，前帘同步（1st）。*
- *频道 1，选定 B 组进行调整。*
- *C 组中的闪光灯已关闭。*
- *如果对 A 组或 B 组的闪光输出进行调整，则调整值会短暂显示在显示屏 [1] 的“能量”区域。*
- *A 组的造型灯打开。*

使用注意事项

- 当前的能量调整值只会在显示屏 [1] 上短暂显示，约 6 秒后消失。
- 再次调整能量时，调整初始值又会从 +/- 0.1 开始（短按能量调节按钮 [3]），或者从 +/- 1.0 开始(长按能量调节按钮 [3])。
- 选定所有组别时，E4 还将控制 D、E 或 F 组（在闪光灯上选定）中的灯。

五、规格

指示灯 [10]

E4 状态或操作	指示灯
标准状态待机模式	闪烁绿色
中继状态待机模式	闪烁红色
与相机通讯	常亮绿色
发送一次闪光同步指令	点亮红色约 0.3 秒

注意

- *“闪烁” 指每秒闪一次。*

频率：2.4 GHz
工作范围：触发范围高达 200m
遥控和 TTL 范围高达 100m
频道：8 个频道 （1-8）
各个频道下的组别：3 个组别 (A、B 和 C)
电源：2 x AAA 电池
操作模式：TTL(镜头测光，自动），M(手动）
最快同步速度：
前帘同步或后帘同步： 1/250s

高速同步：1/8000s
（速度可能会因照相机款式而异。）
天线：内置天线
接口：多触点热靴固定座 x 1
Micro-USB B 端口 x 1
配件：吊带 1 条
尺寸：约 91 x 57 x 38mm
重量：约 80g（不含电池）

规格和设计如有变更，恕不另行通知。

www.aodelan.net

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CE

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