AD200
Pocket Flash
Before using this product
Please read this user manual carefully in order to ensure your safety and the proper operation of this product. Keep for future reference.

Thank you for purchasing a GODOX product.

WITSTRO TTL Powerful & Portable Flash AD200 include two kinds of flash tube and adopts Godox 2.4G wireless X system. When using GODOX 2.4G wireless X system of camera, AD200 can be triggered by X1 series flash trigger in TTL/M/Multl mode, etc. AD200 can also use in combination with GODOX TTL camera flashes, TTL outdoor flashes, TTL studio flashes, etc. With this AD200 flash, your shooting will become simpler. You can easily achieve a correct flash exposure even in complex light-changing environments.

WITSTRO flash system is a portable photo lighting solution consist of camera flashes, wireless trigger and a range of dedicated light shaping accessories. AD200 with lightweight and portable body, strong power, large capacity battery and full speed supply. It offers studio quality light for outdoor and live shooting. The AD200 offers:

- **Compatible wireless TTL system:** Fully support Canon E-TTL, Nikon i-TTL, Sony TTL and other TTL systems in Godox 2.4G wireless X system. Workable as Slave unit in a wireless flash group.
- **Lightweight and portable:** up to 200Ws, is to 3 times powerful as camera flashes (600EX), and the size almost the same.
- **Changeable flash head:** Speedlite flash head: Portability, comes with multiple sets of optical glass, even illumination and modeling lamp (LED). Bare bulb flash head: Lighting out with 360 degree angles, all lighting accessories fit for barebulb flashes from most brands.
- **High-quality AV panel:** with clear and convenient operation.
- **Built-in 2.4G wireless transmission:** with all-in-one functions and 100 meters further transmission
- **Studio quality light:** up to 200Ws, GN 60 (m ISO 100, with bare bulb flash head) / GN52 (Speedlite flash head).
- **Battery pack:** Large-capacity power supply (lithium, 14.4V/2900mAh), 0.01-2.1s recycling and 500 full power flashes.
- **Wireless control:** With built-in Godox 2.4G wireless X system to achieve TTL control. Godox FT-16 flash trigger can also be used to wirelessly adjust flash power level and trigger the flash. AD200 has 3.5mm sync cord jack to achieve various sync triggering mode.
- **Power adjusts from full power to 1/128 in 1/3 stop increments.**
- **Stable color temperature at 5600±200K over the entire power range.**
- **1/8000s high-speed sync flash, high-speed sync triggering.**

The powerful and portable AD200 meets the demands of freelance commercial photographers, photojournalists, wedding and beach portraiture shooters, event and backpack photographers, photograph enthusiasts, etc.

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**Warning**

- Always keep this product dry. Do not use in rain or in damp conditions.
- Do not disassemble. Should repairs become necessary, this product must be sent to an authorized maintenance center.
- Keep out of reach of children.
- Stop using this product if it breaks open due to extrusion, falling or strong hit. Otherwise, electric shock may occur if you touch the electronic parts inside it.
- Do not fire the flash directly into the eyes (especially those of babies) within short distances. Otherwise visual impairment may occur.
- Do not use the flash unit in the presence of flammable gases, chemicals and other similar materials. In certain circumstance, these materials may be sensitive to the strong light emitting from this flash unit and fire or electromagnetic interference may result.
- Do not leave or store the flash unit if the ambient temperature reads over 50°C. Otherwise the electronic parts may be damaged.
- Turn off the flash unit immediately in the event of malfunction.
Contents

23  Foreword
24  Warning
27  Name of Parts
   Body
   Flash Head
   AV Panel
   Included Accessories
   Separately Sold Accessories
   Attaching Bare bulb flash head
31  Battery
32  Power Management
32  Modeling Lamp
32  Wireless Flash Mode
33  Flash Mode—TTL Autoflash
   TTL Mode
   ➔ FEC (Flash Exposure Compensation)
   ✔ High-Speed Sync
34  Flash Mode—M: Manual Flash
36  Flash Mode—Multi/Stroboscopic Flash
37  Wireless Flash Shooting: Ratio (2.4G) Transmission
39  C.Fn: Setting Custom Functions
40  Other Applications
   Wireless Control Function
   Sync Triggering
40  Protection Function
42  Technical Data
43  Troubleshooting
43  Firmware Upgrade
43  Maintenance

Conventions used in this Manual

• This manual is based on the assumption that both the camera and camera flash's power switches are powered on.
• Reference page numbers are indicated by "p.".
• The following alert symbols are used in this manual:
  ⚠ The Caution symbol indicates a warning to prevent shooting problem.
  ✉ The Note symbol gives supplemental information.
Name of Parts

Body:
- Flash Head Mounting Socket
- Light Sensor
- Power Switch
- Mini USB Port
- 1/4" Mounting Hole
- Head Release Button
- Wireless Control Port
- 3.5mm Sync Cord Jack
- Battery Release Button
- Battery Compartment
- Lithium Battery
- Control Panel

Flash Head:

Speedlite flash head:
- Heat Dissipation Hole
- Head Mounting Socket
- Modeling Lamp (LED)
- Optical glass

Bare bulb flash head:
- Heat Dissipation Hole
- Accessory Locking Ring
- Accessory Mount
- Flash Tube

< GROUP > Group/Channel Button (Long press for 2 seconds)

< C.Fn > Test Button/ C.Fn Button (Long press for 2 seconds)

AV Panel

< MODE > Mode Selection Button/ Wireless Selection Button (Long press for 2 seconds)

< MODEL > Modeling Lamp Button/ High Speed Sync Button (Long press for 2 seconds)

Control Panel

Flash Ready Indicator

< SET > Sel Button

Select Dial
Name of Parts

AV Panel

(1) AV Panel

- Channel
- Wireless
- Group
- C.Fn
- 0.1
- Mask
- Time
- Beeper

- TTL
- Multi
- Battery Level
- Flash exposure compensation amount
- Flash frequency
- Flash high temperature
- Modeling lamp(LED)
- Standby
- S1/S2

- The display will only show the settings currently applied.
- The functions displayed above function buttons 1 to 4, such as [SYNC] and [T0], change according to settings' status.
- When a button or dial is operated, the AV panel illuminated.

(2) M Manual Flash

- M: Manual flash
- Manual flash output

(3) Multi Flash

- Multi: Stroboscopic flash
- Number of flashes
- Flash frequency

Name of Parts

(4) Radio Transmission Shooting

- Channel
- M Mode
- Group
- T0.1
- S1
- C.Fn-F2

- S1/S2

Included Accessories

(1) Speedlite flash head
(2) Bare bulb flash head
(3) AD-E holder*1
(4) Battery charger*1
(5) Lithium battery pack*1
(6) Protecting bag*1
(7) Instruction manual*1

Separately Sold Accessories

The product can be used in combination with the following accessories sold separately, so as to achieve best photography effects: X1 Wireless Flash Trigger, FT-16 Remote Control, Barn door with 4 wings, Softbox, Beauty Dish, Fold up umbrella, Snoots, Light stand, etc.
### Name of Parts

#### Attaching Bare bulb flash head

1. Remove the reflector or other accessories from the flash head.
2. Match the red dot on the base of the flash tube with the red dot in the Tube Socket (4). Push the flash tube in until it is securely seated into the socket.

### Lithium Battery

#### Features

1. This flash unit uses Li-ion polymer battery which has long runtime. The available charge-and-discharge times are 500.
2. It is reliably safe. The inner circuit is against overcharge, overdischarge, overcurrent, and short circuit.
3. Take only 4 hours to fully charge the battery by using the standard battery charger.

#### Cautions:

- Do not short circuit.
- Do not expose to rain or immerse into water. This battery is not water proof.
- Keep out of reach of children.
- No over 24 hours' continuous charging.
- Store in dry, cool, ventilated places.
- Do not put aside or into fire.
- Dead batteries should be disposed according to local regulations.
- Long time not to use, please charge it to 60% and then placed.
- If the battery had ceased using for over 3 months, please make a full recharge.

#### Battery Level Indication

Make sure the battery pack is securely loaded in the flash. Check the battery level indication on the AV panel to see the remaining battery level.

<table>
<thead>
<tr>
<th>Battery Level Indication on the AV Panel</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 grids</td>
<td>Full battery</td>
</tr>
<tr>
<td>2 grids</td>
<td>Medium battery</td>
</tr>
<tr>
<td>1 grid</td>
<td>Low battery</td>
</tr>
<tr>
<td>Blank grid</td>
<td>Lower battery, please recharge it.</td>
</tr>
<tr>
<td>Blinking</td>
<td>The battery level is going to be used out immediately. And the flash will auto power off in 1 minute. Note: Please recharge the battery as soon as possible (within 10 days). Then, the battery can be used or be placed for long period.</td>
</tr>
</tbody>
</table>

### Power Management

**ON/OFF Power Switch**

controls the on/off of the flash unit. turn off the power pack if the flash unit will not be used for an extended period. The product design of power supply with automatic hibernation feature, When unattended operation for a long time (approx. 30/60/90 minutes ), the flash will automatically standby.

#### Disabling Auto Power standby function is recommended when the flash is used off camera.

(C.Fn-F3, Page 39)

### Modeling Lamp

With only the speedlite flash head have modeling lamp function, it will automatic turn off after 30 minutes. Short press the modeling lamp button will control the modeling lamp turn on or off.

### Wireless Flash Mode

AD200 can only be set as slave unit (receiver end). Long press the wireless selection button for 2 seconds to switch the radio transmission function.

<table>
<thead>
<tr>
<th>Wireless Mode</th>
<th>Flash Mode</th>
</tr>
</thead>
<tbody>
<tr>
<td>OFF</td>
<td>M / Multi</td>
</tr>
<tr>
<td>Radio Transmission</td>
<td>TTL / M / Multi</td>
</tr>
</tbody>
</table>
Flash Mode — TTL Autoflash

This flash has three flash modes: TTL, Manual (M), and Multi (Stroboscopic). In TTL mode, the camera and the flash will work together to calculate the correct exposure for the subject and the background. In this mode, multiple TTL functions are available: FEC, FEB, FEL, HSS, second curtain sync, modeling flash, control with the camera’s menu screen.

* Press < MODE > Mode Selection Button and three flash modes will display on the AV panel one by one with each pressing.

** TTL Mode

Press < MODE > Mode Selection Button to enter TTL mode. The AV panel is displayed < TTL >.

FEC: Flash Exposure Compensation

With FEC function, this flash can adjust from -3 to +3 in 1/3rd stops. It is useful in situations where minor adjusting of the TTL system is needed based on the environment.

Setting FEC:

1. Press the < SET > Function Button and flash exposure compensation amount will be highlighted on the AV panel.
2. Set the flash exposure compensation amount.● Turn the Select Dial to set the amount.
   - "0.3" means 1/3 step, "0.7" means 2/3 step.
   - To cancel the flash exposure compensation, set the amount to "+0".
3. Press < SET > button again to confirm the setting.

High-Speed Sync

High Speed Sync (FP flash) enables the flash to synchronize with all camera shutter speeds. This is convenient when you want to use aperture priority for fill-flash portraits.

1. Long Press Function Button < MODE > for 2 seconds so that < M > is displayed.
2. Please use the X1 series transmitter to trigger.

Flash Mode — M: Manual Flash

The flash output is adjustable from 1/1 full power to 1/128th power in 1/3rd stop increments. To obtain a correct flash exposure, use a hand-held flash meter to determine the required flash output.

1. Press < MODE > button so that < M > is displayed.
2. Turn the Select Dial to choose a desired flash output amount.
3. Press < SET > button again to confirm the setting.

Flash Output Range

The following table makes it easier to see how the stop changes in terms of f/stop when you increase or decrease the flash output. For example, when you decrease the flash output to 1/2, 1/2-0.3, or 1/2-0.7, and then increase the flash output to more than 1/2, 1/2+0.3, 1/2+0.7, and 1/1 will be displayed.

<table>
<thead>
<tr>
<th>Figures displayed when reducing flash output level</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/1                1/1-0.3</td>
</tr>
<tr>
<td>1/2+0.7    1/2+0.3</td>
</tr>
</tbody>
</table>

*** Figures displayed when increasing flash output level
Optic S1 Secondary Unit Setting

In M manual flash mode, long press the C.Fn button for 2 seconds to enter C.FN-F2 to choose S1 function, so that this flash can function as an optic S1 secondary flash with optic sensor. With this function, the flash will fire synchronously when the main flash fires, the same effect as that by the use of radio triggers. This helps create multiple lighting effects.

Optic S2 Secondary Unit Setting

Long press the C.Fn button for 2 seconds to enter C.FN-F2 to choose S2 function, so that this flash can also function as an optic S2 secondary flash with optic sensor in M manual flash mode. This is useful when cameras have pre-flash function. With this function, the flash will ignore a single “preflash” from the main flash and will only fire in response to the second, actual flash from the main unit.

Display Flash Duration

Flash duration refers to the length of time that from flash’s firing to reach the half peak at maximum. The half peak at maximum is usually expressed as t=0.5. In order to provide the photographer with more concrete data, this product adopts t=0.1. The difference between t=0.5 and t=0.1 is shown in the following picture.

![Flash Duration Graph](image)

1. Long press the C.Fn button for 2 seconds to enter C.FN function.
2. Adjust the Select Dial to F6, the t0.1 icon will be displayed on the AV panel.
3. Press <MULTI> button to select the flash output.
4. Turn the Select Dial to choose the ON/OFF.
5. After finish the setting, press <SET> button and all the settings will be displayed.

Calculating the Shutter Speed

During stroboscopic flash, the shutter remains open until the firing stops. Use the formula below to calculate the shutter speed and set it with the camera.

**Number of Flashes / Flash Frequency = Shutter Speed**

For example, if the number of flashes is 10 and the firing frequency is 5 Hz, the shutter speed should be at least 2 seconds.

To avoid overheating and deteriorating the flash head, do not use stroboscopic flash more than 10 times in succession. After 10 times, allow the camera flash to rest for at least 15 minutes. If you try to use the stroboscopic flash more than 10 times in succession, the firing might stop automatically to protect the flash head. If this happens, allow at least 15 minutes’ rest for the camera flash.

Stroboscopic flash is most effective with a highly reflective subject against a dark background.

- Using a tripod and a remote control is recommended.
- A flash output of 1/1 and 1/2 cannot be set for stroboscopic flash.
- Stroboscopic flash can be used with "bule." If the number of flashes is displayed as "--", the firing will continue until the shutter closes or the battery is exhausted. The number of flashes will be limited as shown by the following table.

#### Maximum Stroboscopic Flashes:

<table>
<thead>
<tr>
<th>Flash Output</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6-7</th>
<th>8-9</th>
<th>10</th>
<th>11</th>
<th>12-14</th>
<th>15-19</th>
<th>20-50</th>
<th>60-99</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4</td>
<td>7</td>
<td>6</td>
<td>5</td>
<td>4</td>
<td>3</td>
<td>3</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1/8</td>
<td>14</td>
<td>14</td>
<td>12</td>
<td>10</td>
<td>8</td>
<td>6</td>
<td>5</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>1/16</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>20</td>
<td>20</td>
<td>20</td>
<td>10</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>8</td>
</tr>
<tr>
<td>1/32</td>
<td>60</td>
<td>60</td>
<td>50</td>
<td>50</td>
<td>40</td>
<td>30</td>
<td>20</td>
<td>20</td>
<td>20</td>
<td>18</td>
<td>16</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>1/64</td>
<td>90</td>
<td>90</td>
<td>80</td>
<td>80</td>
<td>70</td>
<td>60</td>
<td>50</td>
<td>40</td>
<td>40</td>
<td>35</td>
<td>30</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>1/128</td>
<td>90</td>
<td>90</td>
<td>90</td>
<td>90</td>
<td>90</td>
<td>80</td>
<td>70</td>
<td>70</td>
<td>70</td>
<td></td>
<td>60</td>
<td>50</td>
<td>40</td>
</tr>
</tbody>
</table>

Flash Mode — Multi: Stroboscopic Flash

With stroboscopic flash, a rapid series of flashes is fired. It can be used to capture multiple images of a moving subject in a single photograph.

You can set the firing frequency (number of flashes per sec. expressed as Hz), the number of flashes, and the flash output.

1. Press <MODE> button so that <MULTI> is displayed.
2. Turn the Select Dial to choose a desired flash output.
3. Press <SET> button to select the flash frequency. Turn the Select Dial to set the number.
4. Press <SET> button to select the flash times. Turn the Select Dial to set the number.
5. After finish the setting, press <SET> button and all the settings will be displayed.

<table>
<thead>
<tr>
<th>Hz</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/8</td>
</tr>
<tr>
<td>1/16</td>
</tr>
<tr>
<td>1/32</td>
</tr>
<tr>
<td>1/64</td>
</tr>
<tr>
<td>1/128</td>
</tr>
</tbody>
</table>

- The flash duration will only be displayed on the AV panel in M mode.
- S1 and S2 optic triggering is only available in M manual flash mode.
Wireless Flash Shooting

Ad200 adopts Godox 2.4G wireless X system, which has good compatibility with other products of our company. As a slave unit, AD200 is automatically compatible with Canon/ Nikon/ Sony TTL system according to the master unit. Nikon cameras (use X1T-N), Canon cameras (use X1T-C) and Sony cameras (use X1T-S) can use one or more AD200-TTL flashes simultaneously.

1. Wireless Settings
Long press < MODE > button for 2 seconds to switch wireless function ON/ OFF. Turn the wireless function on, the < > icon will be displayed on the AV panel. When using the FT-16 remote control or others trigger, please turn off the wireless function.

2. Setting the Communication Channel
If there are other wireless flash systems nearby, you can change the channel IDs to prevent signal interference. The channel IDs of the master unit and the slave unit(s) must be set to the same.

1. Long press the <GR/CH> button for 2 seconds, so that the icon will be displayed on the AV panel.
2. Turn the Select Dial to choose a channel ID from 1 to 32.
3. Press the <SET> button to confirm.

3. Setting the Communication Group
Short press the <GR/CH> button to choose group ID from A to E.

Positioning and Operation Range (Example of wireless flash shooting)

- Autoflash Shooting with One Slave Unit
- Auto Shooting with Two Slave Groups
- Auto Shooting with Three Slave Groups

When using the AD200 and Godox X1 series trigger together, the X1 can control the flash function such as:
- Flash Mode: TTL, M, Multi
- Sync Mode: First-curtain sync, second-curtain sync and High-speed sync
- Control the power level
- Modeling Lamp turn on or off
- Beeper turn on or off
Wireless Control Function

The flash unit is built in with a Wireless Control Port so that you can wirelessly adjust the power level of the flash and the flash triggering. To control the flash wirelessly, you need a FT-16 remote control set (on-camera and on-flash). Insert its receive end into the Wireless Control Port on the flash and insert the transmit end into the camera hot shoe. Settings made on the hotshoe-mounted transmit and receive ends will be wirelessly communicated to the flash. Then you can press the camera shutter release button to trigger the flash. You can also hold the transmit end at hand to control your off-camera flash.

- For full instructions on the use of FT series remote control, see its user manual.
- Turn off the AD200 wireless function.

Sync Triggering

The Sync Cord Jack is a Φ3.5mm plug. Insert a trigger plug here and the flash will be fired synchronously with the camera shutter.

Protection Function

1. Over-Temperature Protection
   - To avoid overheating and deteriorating the flash head, do not fire more than 40 continuous flashes in fast succession at 1/1 full power. After 40 continuous flashes, allow a rest time of at least 10 minutes.
   - If you fire more than 40 continuous flashes and then fire more flashes in short intervals, the inner over-temperature protection function may be activated and make the recycling time over 10 seconds. If this occurs, allow a rest time of about 10 minutes, and the flash unit will then return to normal.
   - When the over-temperature protection is started, ℃ is shown on the AV display.

Number of flashes that will activate over-temperature protection:

<table>
<thead>
<tr>
<th>Power Output Level</th>
<th>Number of Flashes</th>
<th>Speedlite flash head</th>
<th>Bare bulb flash head</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/1</td>
<td>40</td>
<td>60</td>
<td></td>
</tr>
<tr>
<td>1/2+0.7</td>
<td>50</td>
<td>80</td>
<td></td>
</tr>
<tr>
<td>1/2+0.3</td>
<td>60</td>
<td>100</td>
<td></td>
</tr>
<tr>
<td>1/2</td>
<td>75</td>
<td>120</td>
<td></td>
</tr>
<tr>
<td>1/4(+0.3,+0.7)</td>
<td>100</td>
<td>150</td>
<td></td>
</tr>
<tr>
<td>1/8(+0.3,+0.7)</td>
<td>200</td>
<td>200</td>
<td></td>
</tr>
<tr>
<td>1/16(+0.3,+0.7)</td>
<td>300</td>
<td>300</td>
<td></td>
</tr>
<tr>
<td>1/32(+0.3,+0.7)</td>
<td>500</td>
<td>500</td>
<td></td>
</tr>
<tr>
<td>1/64(+0.3,+0.7)</td>
<td>1000</td>
<td>1000</td>
<td></td>
</tr>
<tr>
<td>1/128(+0.3,+0.7)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

C.Fn: Setting Custom Functions

The following table lists the available and unavailable custom functions of this flash.

<table>
<thead>
<tr>
<th>Custom Function Signs</th>
<th>Functions</th>
<th>Setting Signs</th>
<th>Settings &amp; Descriptions</th>
<th>Restrictions</th>
</tr>
</thead>
<tbody>
<tr>
<td>F1</td>
<td>Beep</td>
<td>ON</td>
<td>ON</td>
<td>NO</td>
</tr>
<tr>
<td></td>
<td></td>
<td>OFF</td>
<td>OFF</td>
<td></td>
</tr>
<tr>
<td>F2</td>
<td>S1/S2 mode selection</td>
<td>OFF</td>
<td>OFF</td>
<td>M mode</td>
</tr>
<tr>
<td></td>
<td></td>
<td>S1</td>
<td>S1 mode</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>S2</td>
<td>S2 mode</td>
<td></td>
</tr>
<tr>
<td>F3</td>
<td>Auto standby</td>
<td>OFF</td>
<td>OFF</td>
<td>NO</td>
</tr>
<tr>
<td></td>
<td></td>
<td>30 min</td>
<td>Auto standby</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>60 min</td>
<td>without</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>90 min</td>
<td>any operation</td>
<td></td>
</tr>
<tr>
<td>F4</td>
<td>Delay flash</td>
<td>OFF, 0.01~30s</td>
<td>Can be triggered as second curtain</td>
<td>M/Multi mode</td>
</tr>
<tr>
<td>F5</td>
<td>Mask</td>
<td>OFF</td>
<td>OFF</td>
<td>M mode</td>
</tr>
<tr>
<td></td>
<td></td>
<td>N1</td>
<td>ON: Trigger 2 times for 1 cycles, 1th flash of trigger.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>N2</td>
<td>ON: Trigger 2 times for 1 cycles, 2th flash of trigger.</td>
<td></td>
</tr>
<tr>
<td>F6</td>
<td>0.1 display</td>
<td>ON</td>
<td>Display</td>
<td>M mode</td>
</tr>
<tr>
<td></td>
<td></td>
<td>OFF</td>
<td>Not display</td>
<td></td>
</tr>
</tbody>
</table>

1. Long press <C.Fn> button for 2 seconds to enter the C.Fn menu.
2. Select the custom function No.
3. Turn the Selection Dial to select the custom function No.
4. Change the setting
   - Press <SET> button and the Setting No. blinks.
   - Turn the Select Dial to set the desired number. Press <SET> button will confirm the settings.
5. Exit C.Fn menu
   - Press <MODE/3D> button to exit.
Meaning
A failure occurs on the recycling system so that the flash cannot fire. Please restart the flash unit. If the problem still exists, please send this product to a maintenance center.
The system gets excessive heat. Please allow a rest time of 10 minutes.
The voltage on two outlets of the flash tube is too high. Please send this product to a maintenance center.
There are some errors occurred during the upgrading process. Please using the correct firmware upgrade method.

Number of flashes that will activate over-temperature protection in high-speed sync triggering mode:

<table>
<thead>
<tr>
<th>Power Output</th>
<th>Speedlite flash head</th>
<th>Bare bulb flash head</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/1</td>
<td>20</td>
<td>50</td>
</tr>
<tr>
<td>1/2(+0.3,+0.7);</td>
<td>30</td>
<td>60</td>
</tr>
<tr>
<td>1/4(+0.3,+0.7);</td>
<td>50</td>
<td>75</td>
</tr>
<tr>
<td>1/8(+0.3,+0.7);</td>
<td>75</td>
<td>100</td>
</tr>
<tr>
<td>1/16(+0.3,+0.7)</td>
<td>80</td>
<td>150</td>
</tr>
<tr>
<td>1/32(+0.3,+0.7)</td>
<td>100</td>
<td>200</td>
</tr>
<tr>
<td>1/64(+0.3,+0.7);</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1/128(+0.3,+0.7);</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2. Other Protections
• The system provides real-time protection to secure the device and your safety. The following lists prompts for your reference:

Prompts on LCD Panel | Meaning
--- | ---
E1 | A failure occurs on the recycling system so that the flash cannot fire. Please restart the flash unit. If the problem still exists, please send this product to a maintenance center.
E2 | The system gets excessive heat. Please allow a rest time of 10 minutes.
E3 | The voltage on two outlets of the flash tube is too high. Please send this product to a maintenance center.
E9 | There are some errors occurred during the upgrading process. Please using the correct firmware upgrade method.

Technical Data

<table>
<thead>
<tr>
<th>Model</th>
<th>AD200</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wireless Slave Unit Mode</td>
<td>Radio transmission mode (compatible with Nikon &amp; Canon &amp; Sony)</td>
</tr>
<tr>
<td>Flash Mode</td>
<td>Wireless off</td>
</tr>
<tr>
<td></td>
<td>Slave unit of radio transmission</td>
</tr>
<tr>
<td>Compatible Cameras under Radio Transmission (as slave unit)</td>
<td>Nikon cameras (X1N as master unit)</td>
</tr>
<tr>
<td>Guide No. (1/1 Output)</td>
<td>Speedlite flash head: 52 (m ISO 100, @35mm)</td>
</tr>
<tr>
<td>Flash Duration t.01 (approx.)</td>
<td>Speedlite flash head: 1/220 to 1/13000 seconds</td>
</tr>
</tbody>
</table>

POWER
• 200W

Power Output
• 8 steps: 1/128~1/1

Stroboscopic Flash
• Provided (up to 90 times, 99Hz)

Flash Exposure Compensation (FEC)
• Manual: FEB: ±3 stops in 1/3 stop increments.

Sync mode
• High-speed sync (up to 1/8000 seconds), first-curtain sync, and second-curtain sync

Delay Flash
• 0.01~30 seconds

Mask
• √

Beeper
• √

Modeling Lamp (LED)
• √

Optic Slave Flash
• S1/S2

Flash Duration Indication
• √

Wireless Flash (2.4G transmission)
• Wireless flash function: Slave, Off
• Controllable slave groups: 5 (A, B, C, D, and E)
• Transmission range (approx.): 100m
• Channels: 32 (1~32)

Power Supply
• Lithium battery pack (14.4V/2900mAh)
• Full Power flashes: 500
• Recycle Time: Approx. 0.01-2.1s
• Battery Indicator: √
• Power Indicator: Power standby automatically after approx. 30 minutes of idle operation.
• Sync triggering mode: 3.5mm sync line, Wireless control port
• Operating temperature: 5600±200k

Dimensions
• Dimension: 168x75x50mm (flash head not included)
• Net weight: 560g (flash head & battery not included)
Firmware Upgrade

This flash supports firmware upgrade through the USB port. Update information will be released on our official website.

- USB connection line is not included in this product. The USB port is a standard Micro USB socket. Common USB connection line is applicable.

Note: Press <button> and turn the flash on, the firmware update version (e.g. Version 1.0 will read U-1.0) will be displayed on the panel.

Maintenance

- Shut down the device immediately should abnormal operation be detected.
- Avoid sudden impacts and the product should be dedusted regularly.
- It is normal for the flash tube to be warm when in use. Avoid continuous flashes if unnecessary.
- Maintenance of the flash must be performed by our authorized maintenance department which can provide original accessories.
- This product, except consumables e.g. flash tube, is supported with a one-year warranty.
- Unauthorized service will void the warranty.
- If the product had failures or was wetted, do not use it until it is repaired by professionals.
- Changes made to the specifications or designs may not be reflected in this manual.