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I.Warning

*To avoid fire or electrical shock, do not expose this product to rain or moisture.
*To avoid short circuit, please sure the batteries contacts are securely packed and in accordance with local provisions when handling the battery.
*Please place the batteries and the parts which can be swallowed mistakenly away from children. Contact a doctor immediately when it occurs.
*To avoid possible injury to eyes, do not use the flash light in a short distance from the eyes.
*To avoid possible safety accident, do not use the flash light on the people who need a high degree of attention.
Please take out the batteries and stop using immediately in case of below:
*This product is dropped or shocked seriously and the inner part of the product is bared.
*If the battery leaks corrosive liquids, please take out the battery with gloves.
*The product gives off strange smell, heats or smokes.
*Do not disassemble or maintain this product. Touching the internal high voltage circuit will cause electric shock.
*Please take out all the batteries if not use this product for a long time.

II.Features

- **SUPPORTS MASTER TTL FLASH**
  Supports Exposure Compensation, FEB, Rear-curtain sync, FE lock, Modeling Light, Canon camera menu accessible.
- Macro Flash
  Supports flash ratio,and the flash tube A and B can adjusted together or individually, which can creates shadow on the subject to make the photo with engraving effect.
- **LARGE-SIZE LCD DISPLAY**
  Equipped with large-size LCD display, the flashing function can be checked and set more clearly and visually,which will be more convenient for use.
- **LED AF ASSIST LIGHT**
  High brightness LED focus assist light to allow focus more easily.
- **EQUIPPED WITH PC SYNC INTERFACE**
  YN24EX is equipped with standard PC synchronous interface which allows you convenient to use synchronous flash by using PC synchronous line.
- **SUPPORT THE LENS OF MULTIPLE FILTER SIZE**
  Supports the lens of the following filter size : 52mm、58mm、67mm、72mm.

- **SOUND PROMPT SYSTEM**
  When the sound prompt system is enabled, different sound modes will prompt different working conditions of the speedlite so as to allow you to focus on shooting process (Note: the sound can be turned off).
- **HIGH SPEED RECYCLING SYSTEM**
  The recycling time for full output just takes 3 seconds; you can get high speed current-return experience even without using brand new batteries, which will only takes 4～5 seconds.
- **PROVIDED WITH EXTERNAL POWER SOCKET**
  YN24EX is provided with external power socket to meet your higher demand recycling time and no longer missing the wonderful moments.
- **AUTOMATIC SETTINGS SAVING**
  YN24EX can automatically save your current operating settings to convenient your next use.

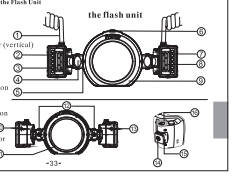
III.Quick Guide

Please read this section to if you do not have time to browse the whole manual.
1.Please avoid the excessive use of the output with maximum power. It can effectively extend the service life of this product.
(It is recommended that the speedlite should be idled for more than 5 minutes when entering the overheating protection.)
2.You can operate the respective buttons and observe the changes of the displayed content to understand their respective functions.
3.Short press the 【🔆/□】button to turn on the screen background light, long press the 【🔆/□】button to turn on/off the SOUND PROMPT; short press the 【MODE】button to switch mode TTL/ M mode; short pres the 【RATIO/▷▷】button to enter the setting of flash ratio, long press the 【RATIO/▷▷】button to switch the front/rear-curtain sync;Short press the【L.LED】and【R.LED】to turn on or turn off the AF assist lamp,there are two levels for the AF assist light luminance; long press the【R.LED】to enter into the Custom function settings.
4.Through rotate the 【Select Dial】the flash parameter can be adjusted rapidly in the current mode,some parameters need to press the【SEL/SET】button to set.

IV.COMPONENTS DISCRIPTION (Please familiar with this part carefully, allowing you to quickly familiarize with the product features)

- **COMPONENTS DISCRIPTION of the Flash Unit**

1.Conecting cable
2.AF assist light
3.flash tube B
4.Flash installed components
5.The standard position indicator (vertical)
6.Release button
7.AF assist light
8.flash tube A
9.Mounting ring
10.< ≫> flash tube A identification
11.Mounting ring buckle
12.Release lever
13.< ≪> flash tube B identification
14.The tripod interface
15.Fix base
16.The standard position indicator (horizontal)

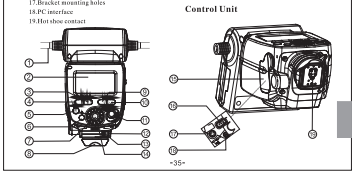


- **Component Description of the Control Unit**

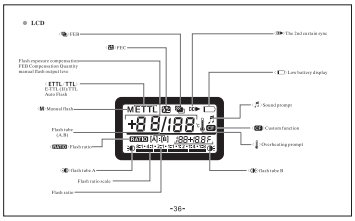
1.Connecting cable
2.LCD display
3.【RATIO】short press to set the flash ratio,long press for two second to enter into the front-curtain or rear curtain synchronous flash switch.
4.Backlight/sound switch【🔆/□】:short press the button to turned on or off LED backlight; and sound prompt function of the speedlite shall be turned on or off by pressing this button for about 2 seconds.
5.Flash mode button【MODE】:short press the button,the flash mode will switch between TTL and M.
6.Charge indicator【●】:Red button : Green lamp indicates charging is completed and the flash can work; green lamp indicates charging is being on, and press this button the speedlite will make test flash.
7.【SEL/SET】button: Save the setting
8.Dust-proof waterproof adapter
9.【L.LED】:Turn on the left side AF assist light,there are two levels for the intensity.
10.【R.LED】:Turn on the left side AF assist light,there are two levels for the intensity;long press to enter the Custom mode Fn.
11.【LOCK】:Lock switch/Power switch
12. Lock release button
13. Fix release button

14.【Select Dial】
15. Terminal cover
16.Internal power interface
17.Bracket mounting holes
18.PC interface
19.Hot shoe contact

Control Unit



- **LCD**



V.Installation

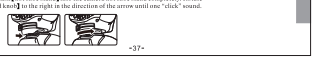
1.Battery Installation
Slide the【battery cover】in the direction of the arrow. Insert the batteries according to the label inside battery chamber and make sure the battery polarity direction is correct. Close the【battery cover】in the direction of the arrow.

3.Take down the flash before disassemble the flash please keep pressing the【lock release】button and slip the【fixed knob】to the left at the same time, and then take down the flash.

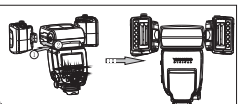


Please use four standard specification AA batteries. To avoid circuit please do not use damaged batteries.

2.Install the Flash
Slip the flash【hot shoe stand】into the camera hot shoe stand completely. Rotate the【fixed knob】to the right in the direction of the arrow until one "click" sound.



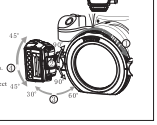
4.Install the flash head on the top of the flash



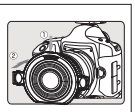
5.The adjustable range of the flash
①Rotate the mounting ring and press the release button,Release the button when finish rotating.
②Press the rotating button and turn the flash head
③and ④ The direct moving range of the flash head

※ Do not exceed the scope of the flash head can be adjusted, otherwise the flash head may fall off the installation position.

※ Depending to the difference of the camera and lens, the direct moving range of the flash head will be limited.

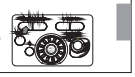


- **Install the Flash unit**
  1.Use the transfer with the same diameter of the lens filter, tighten the adapter ring on the screw thread of lens filter.
  2.Press the release button of flash unit and install it on front of the adapter ring.
  ※ The size of adapter ring equipped with the product: 52mm、58mm、67mm、72mm.
  ※ The macro flash is designed for macro less, so the lens may turned when the non-macro lens focusing. It is recommended use manual focus (MF) when using the non-macro lens.
  ⚠ Auto focus may damage your lens.



VI.Basic Operation

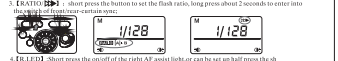
- **The Operation of the Button**
  1.Backlight/Sound button【🔆/□】: short press the button to turn on/off the LCD backlight; and press the button for about 2 seconds turn on/off the sound prompt function.



2.Flash mode button【MODE】: short press the button to switch the flash mode TTL/ M.



3.【RATIO/▷▷】: short press the button to set the flash ratio, long press about 2 seconds to enter into the switch of front/rear-curtain sync;



4.【R.LED】:Short press the on/off of the right AF assist light,or can be set up half press the shutter to light automatically through the custom Fn 08 option.



5.Selection/setting button: the【Select dial】can rapid set the flash parameter in the current mode,【SEL/SET】Long set to set the fine luminance adjustment, bracket exposure and adjust output power of A/ B tubes.



6.Charging Indicator/ Test button【●】: the green light indicates fully charged and can be used; the red light indicates in the charging state. The flash will make testing flash when pressing the button【●】.



7.Turn on and turn off the【Switch】and lock function: Dial the【Switch】to the position <ON>,the flash will turn on and start charging, dial to the position <OFF>,the flash will turn off. Turn on the flash and dial to the position <LOCK> will enter into lock function; use the function can prevent the parameters being changed accidentally. The screen will display current parameter when use this function.



Meaning of【Charging indicator】

Statues of【Charging Indicator】	Meaning	Handling Method
The green light on	The speedlite is fully charged and can be used.	Normal
The red light on	The speedlite has not been fully charged.	Waiting for completion of charging.
Blinking red light.	Low battery and the speedlite is about to shut down.	Please renew the batteries.

The meaning of【Sound Prompt】

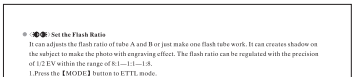
The Sound Form	Meaning	Handling Method
Tick-twice	The sound indicator is enabled,the flash is started.	Normal
Tick-tick Tick-tick twice	a.The speedlite is in charging; b.Overheating protection state.	Waiting for complete charging ; or Idle 3-5 minutes for overheating protection remove.
Tick-a long sound	The flash is fully charged, and can be used	Normal
Tick-tick-tick	The power is not enough and the speedlite is going to be shut down.	Replace the batteries.

- **Power on /off**
  1.Dial the【Switch】to the position <ON>to turn on the flash, can be set flash switch through the custom setting, turn off the flash power and then remove the battery.
  2.After turning on the flash, the【charging indicator】is on green light, which indicates the flash is ready to work.
  3.When in low battery, if the charging is not completed within 20 seconds, the【Charging indicator】will blink with red light; the LCD panel will displays the icon of low battery, and the flash will auto power-off, indicating it need to replace new batteries.
  4.You can press the【●】button to test if the speedlite works normally.
  5.After use, slip the【Switch】to the <OFF>position.



- **ETTL Mode**
  1.In ETTL mode, the metering system of this camera will detect the flash illumination reflected back from the object so as to automatically adjust the flash output. Supports exposure compensation, FEB, Rear-curtain sync, AE lock, and CANON camera menu access and etc.
  2.You can set the exposure compensation for flash by short press the【SEL/SET】button and then rotate the【Select dial】for adjustment. The flash exposure compensation amount can be set up within the range of ±3EV in 1/3-stop precision.

- **【A:B】: Set the Flash Ratio**
  It can adjusts the flash ratio of tube A and B or just make one flash tube work. It can creates shadow on the subject to make the photo with engraving effect. The flash ratio can be regulated with the precision of 1/2 EV within the range of 8:1—1:1—1:8.
  1.Press the【MODE】button to ETTL mode.
  2.Press the【RATIO/▷▷】button to display: 【RATIO】A: B:.



3.Set the flash ratio, rotate the【Select dial】to choose the value from 8:1—1:1—1:8. When choosing the leftmost end or the the right end to set, it will only light one flash tube.



4. The A tube lit when only show <A>, while the the B tube lit when only show <B>.



5.In flash ratio mode, press the【SEL/SET】button to switch the flash exposure compensation adjustment. If without operation for 10 minutes, it will automatically return to the flash ratio regulation mode, or press the【SEL/SET】button to return the flash ratio regulation.



※ Due to the automatic exposure control , there is no need to calculate the exposure
※ If the speedlite in <M> mode, please refer to the < M Manual flash exposure > section..
※ If taking photo without display 【RATIO A:B】, the flash tube A and B will transmit the flash with same flash output.

- **FEL Flash Exposure Lock.**
  Use FEL flash exposure lock, you can lock the correct flash exposure readings for any part of the scene.
  Press the <FEL> button when the LCD displays <ETTL> (please press the <▷> button if without the <FEL> button in the camera.)
  1.Focus on the subject and press the <FEL>button, YN24EX will fire pre-flash and will keep the flash output which the subject need in internal storage, FEL will display 0.5 second on the viewfinder.
  2. Every time pressing the <FEL> button, the flash will fire pre-flash and upgrade the flash exposure lock readings.

※ If the subject is too far away, it will causes underexposure, the <▷> icon will blink on the viewfinder.
※ Please close to the subject and then try to use the Flash Exposure Lock.
※ If the LCD is not display <ETTL>, it could not set the flash exposure lock.
※ If the subject too small, the flash exposure lock may not with sufficient effect.

- **<▷> Flash exposure compensation**
  It can be set the flash exposure compensation like setting common exposure compensation.
  1.Press the【select dial】button , can be regulated the flash exposure compensation with the precision of 1/3 EV within the range of ±3EV.
  2. If you want to cancel the exposure compensation, set it to "0", the screen does not show< ▷> icon.



- **<▷> FEB Flash Bracket Exposure**
  The camera with the precision of 1/3 EV in range of ±3 EV and automatically bracket exposure to continue shooting 3 photos, which is called flash bracket exposure.
  1.Press the【MODE】button to ETTL mode.
  2.Long press the【SEL/SET】button,rotate the【Select dial】will display Fb-0.3/Fb-0.7/Fb-1.0 Fb-3.0, can be set the exposure bracketing as needed.
  3.It can be set the subsequence of Bracket Exposure through custom setting option Fn 04,"00"/"01".



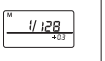
※ In the process of bracket exposure, please set the camera's driving mode to single shoot. And please make sure the preparation of flash.
※ When use the bracket exposure together with flash exposure compensation, FEB will take photo according to the flash exposure compensation.
※ After taking 3 photos, the Bracket Exposure will be cancel automatically.

- **<□□> The second curtain sync**
  Use slow shutter, you can create a light trails behind the subject. The speedlite will flash on the moment of shutter closing.
  1.Enable the second curtain sync, press the【RATIO/▷▷】button for about 2 seconds until the icon <□□> shown.
  2.Cancel the second curtain sync,press the【RATIO/▷▷】button for about 2 seconds until the icon <□□> vanish.



※ the camera's "BULB" mode is suitable for use with the second curtain sync.

- **M Manual Exposure**
  You can set the flash output between full out 1/1 and 1/128 in one EV as increment manually.
  You can use one of the following three ways to make the flash work:
  Method 1, A and B with the same flash output.
  1.Press the【MODE】button to M mode.
  2.Rotate the【Select dials】to adjust the output power.



Method 2, A and B with different flash output.
1.Press the【MODE】button to M mode.
2.Short press the【RATIO/▷▷】button to display the 【RATIO A:B】 icon
3.Press the【SEL/SET】button can switch the output power of A/ B tubes.
4.Rotate the【Select dials】to adjust the output power.





Method 3, Only A or B flash

1.Base on the method 2,rotate the【Select dial】to 1/128, displays OFF and the tube will be turned off.
2.Press the【SEL/SET】button, switch to the other flash tube, then the output power can be adjusted separately.

Rotate the【Select dial】until the screen display OFF



Press the 【SEL/SET】button, switch to the other flash tube.

- **C.Fn Set the Custom Function**
  Using the custom function, you can set the custom function of YN24EX according to your preferences.
  1.Long press the【R.LED】button,enter into C.Fn mode.



2.Rotate the【Select dial】and choose the custom function serial number



3.Press the【SEL/SET】button to choose the parameter.



4.Press the【R.LED】button for save and exit.



C.Fn	Number	Function and Setup Instructions
Fn 01	on/off	on ：turn on the power saving function off：turn off the power saving function
Fn 03	on/off	on ：FEB auto cancel is enabled off：FEB auto cancel is disabled
Fn 04	00/01	00: Sequence of FEB is :0→－→＋ 01: Sequence of FEB is: －→0→＋
Fn 08	00/01/02	00:Half press to enable AF-assist beam is turned off 01:Half-pressed to turn on 1level brightness of the focus lamp 02:Half-pressed to turn on II level brightness of the focus lamp
Fn 20	on/off	on:Sound prompt function is enabled off:Sound prompt function is disabled
Fn E1	Off/03/05/10/30/60	03/05/10/30 indicates the dormancy mode enabled after the flash keeping idle for 3/5/10/60 minutes. In dormancy mode, it will power off automatically, after keeps the same idle time.OFF indicates NO dormancy and will not turn off.

C.Fn	Number	Function and Setup Instructions
Fn E2	on/off	The display time of LCD backlight is 7/15/30 seconds/ Keep bright until pressing the button to turn off it.
Fn E3	07/15/30/ Off	on: recover the default settings off:no-operation (default)

※ Fn 01-Fn 20 options are consistent with the options on Canon camera menu. YN24EX can be set through the camera..
※ Fn E1-Fn E3 can only set on YN24EX.

VI.Troubleshooting guide

Fault	Cause	Handling Method
The flash does not work.	The control unit has not firmly installed in the camera.	Push the hot shoe of control unit in position and rotate the screw.
	The electronic contact of control unit or the camera's hot shoe become dirty.	Clean the contact.
	The control unit without battery.	Install the battery in the control unit.
	The batteries have run out.	Replace a new set of batteries.
Underexposure or overexposure.	Have set the flash exposure compensation.	Cancel the flash exposure compensation.
The power shut down automatically.	Set the power saving function	Enter into C.Fn 01 to set "off", at the moment the setting of Fn E1 is invalid.
Unable to remove the control unit from the camera.	The fixed knob has not screwed to the top.	Screw the fixed knob to the top and then remove the control unit.

※ Any problem in using please refer to this section or browse the manual again. If the problem failed to resolved to the after-sales service center.

VII.Specification

Specification	Macro Flash YN24EX	Type	Automatic macro flash for close-up photography
Circuit Design	Insulated Gate Bipolar Transistor	Flash Ratio Control	Two flash heads: 24/7S Single flash head: 20/5S (ISO 100)
Flash Coverage	vertical angle:Upwards,downwards 90 degrees horizontal angle:towards 60 degrees,outwards 30 degrees The rotate degree of the adapter ring: upwards 30 degrees, downwards 30 degrees	Guide No.	With the precision of 1/2 EV within the range of 8:1—1:1—1:8
Flash Mode	TTL,M	Power Supply	4 AA alkaline battery or AA Nickel(metal hydride battery ; Ni-MH)
Lighting Times	200-2500 times	Recycle time	approx.3s
Color Temperature	5600k	Flash Control	8 levels of output control(1/128～1/1),22 levels of fine tuning
External Interface	shoe, PC port and external charging port	Control Unit Dimension	175*105*160mm
Flash Unit Dimension	221*87*110.7mm	Net Weight	595g
Additional features: Flash ratio control, rear-curtain sync,LED AF Assist Lamp,exposure compensation, FEB, FE lock, sound prompt,automatically saving setting,PC port, charging interface,power saving Mode, overheating protection,advanced options function			
Accessories：Macro Flash(1),portableBag（1）,manual（1）,adapter ring（4）			

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YONGNUO DIGITAL

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WARRANTY CARD

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Address _____
Product odel _____ Purchase Date _____
Failure Description _____

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