FJ400 AC/DC Strobe

User Manual

V1.1.1
05/11/2022

PLEASE READ THE INFORMATION ON PAGE 4 BEFORE USING FJ WIRELESS EQUIPMENT

Contents

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Introduction

Thank you for purchasing the Westcott FJ400 Strobe. The FJ400 and FJ-X2m Wireless Flash Trigger *(sold separately*) are a photographer's dream combination. The performance of the FJ400 is one of the industry's first compact, portable 400 watt-second strobes that are capable of recycling in less than one-second at full-power so you don't miss the shot. It offers the most full-power flashes at 480 bursts to extend those on-location shoots when AC power isn't an option and it has accurate color temperatures throughout its entire 9-stop output range. When paired with the FJ-X2m Wireless Radio trigger, you can say, "Goodbye," to the need for multiple brand-specific triggers. The FJ400 and FJ-X2m have you covered with its multi-brand compatibility. This versatile unit offers everything required by professional photographers today to achieve lighting success - including TTL, HSS, Continuous Capture, Freeze Function, and so much more. Enjoy!

Components (Included)

- FJ400 Strobe
- FJ400 AC/DC Lithium Polymer Battery
- AC Power Adapter & Cord
- Frosted Diffusion Dome
- Magnetic Reflector (Bowens, 5.5")
- Magnetic CC Gel Set
- Magnetic Diffusion
- USB-C to USB-A Cable
- FREE: Rapid Box Switch Insert (Bowens)

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Important things to know before starting...

Reviewing Firmware Files

Firmware updates will be made available on the FJ400 product page (https://www.fjwestcott.com/4700) to improve the performance of the FJ Wireless System. Please review ALL documentation that's included with each firmware download to ensure all of the necessary steps for preparation are complete before installing the firmware.

TTL ±3 Flash Exposure Compensation (FJ400 & FJ-X2m)

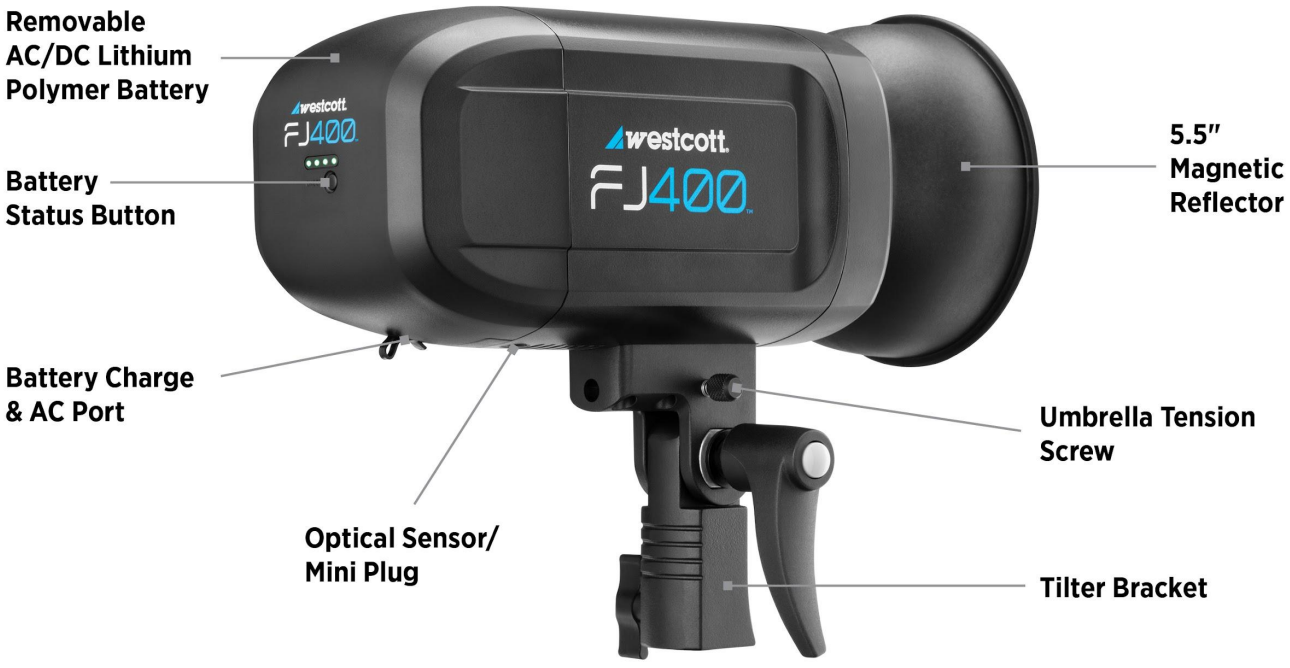
±3 TTL Flash Exposure Compensation (FEC) on the FJ-X2m is independent of the Flash Exposure Compensation (FEC) on the FJ400 Strobe. Meaning, a change of the FEC ±3 on the FJ-X2m will adjust the light output in TTL mode, however, the FJ400 screen will not indicate the FEC changes made on the FJ-X2m. The FJ400 FEC can be further adjusted ±3.

Set the strobe display to show both the FJ400 Strobe FEC (*large letters*) and the FJ-X2m Wireless Trigger FEC (*small letters*) by turning the **M->TTL** setting to **ON** in **MENU 6** on the FJ400. Learn more about accessing the FJ400 Menu Settings in the section titled "*Menu Screen #6*".

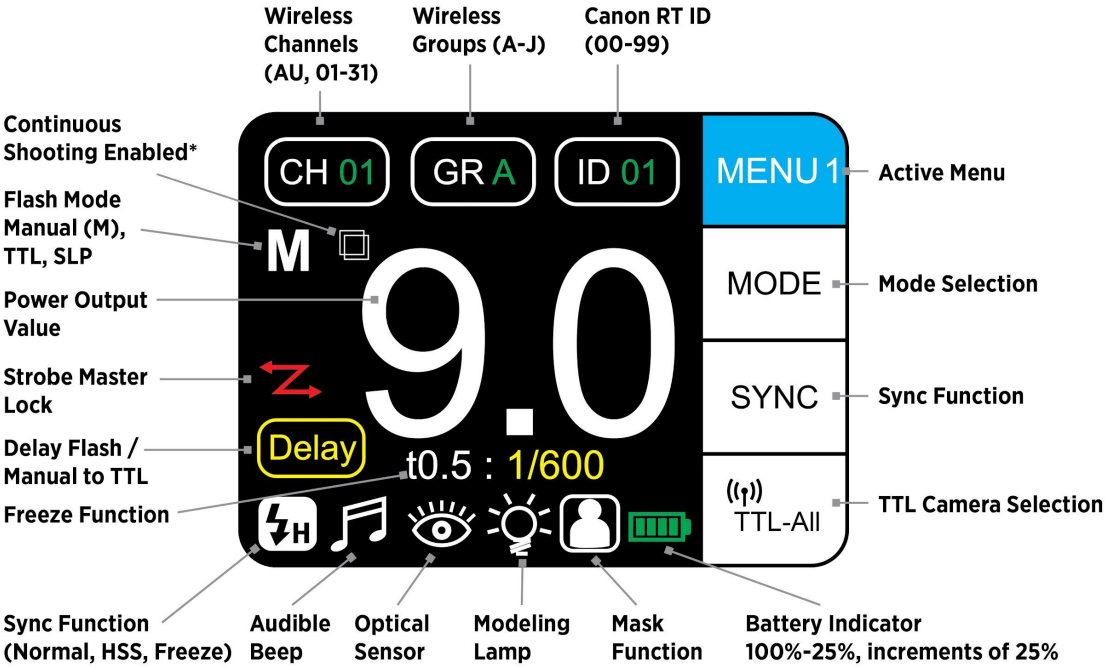
Canon Continuous Mode

When photographing in Canon Continuous Mode, two overlapping-squares will be visible on the FJ400 screen and the FJ Wireless System will default to Manual Mode disabling TTL and HSS functionality. Exit Continuous Mode on the Canon camera to resume TTL and HSS functionality.

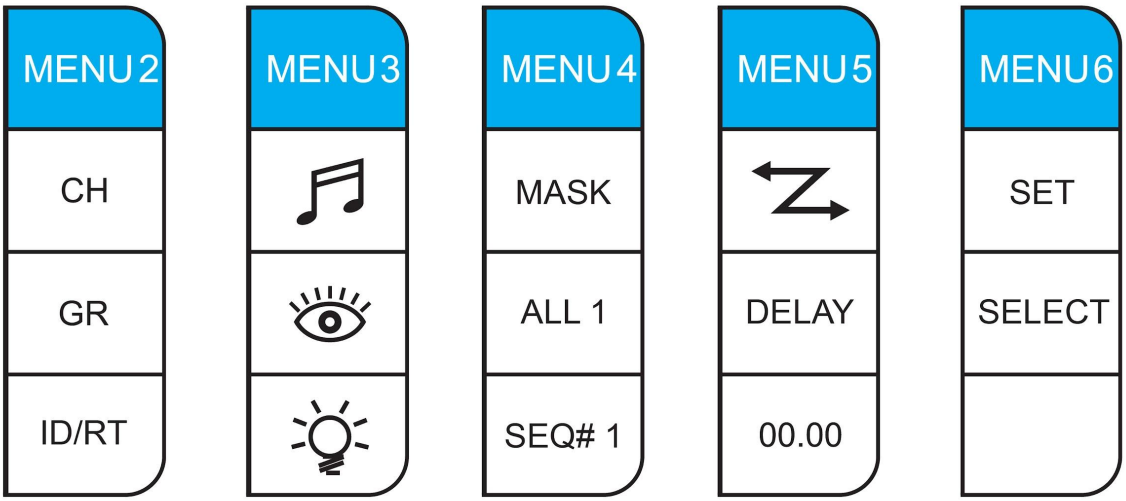
FJ400 Strobe: Overview



FJ400 Strobe: LCD Display & Menus



**Indicates Canon camera is set to Continuous Shooting with TTL and HSS disabled. Maximum shoot speed may vary.*



1. Channel Selection
2. Groups
3. Canon RT ID Selection

1. Audible Beep
2. Optical Sensor
3. Modeling Lamp

1. Mask Function
2. Mask All
3. Mask Sequence Number

1. Strobe Master Lock
2. Delay
3. Delay Time

Accessible by holding down the Menu Selection Button to customize default strobe settings.

FJ400 Strobe: Warnings

Caution

- **IMPORTANT:** During operation, the flash tube, LED modeling lamp, and select components of the FJ400 strobe temperatures will increase. Please use caution while using to avoid serious burns or injuries.
- Use only with the Westcott FJ400 AC/DC Lithium Polymer Battery and/or AC Power Adapter and Cord.
- Do not touch glass diffusion dome, flash tube, LED modeling lamp, or metal reflector after immediate use to avoid potential injury.
- Never leave unattended around children and/or pets.
- Keep away from fire, water, and moisture.
- Do not submerge in water.
- Avoid drastic temperature changes before, during, or after use.
- Avoid direct skin contact with the flash tube and LED modeling lamp when replacing the flash tube.
- Always remove the FJ400 AC/DC Lithium Polymer Battery from the FJ400 Strobe during travel/storage to avoid accidental operation which could lead to overheating or permanent damage.
- Do not overtighten the tilter bracket tension knob or umbrella tension screw.
- Ensure the FJ400 is securely mounted before use.
- Only use compatible modifiers and accessories and ensure they are securely attached to the FJ400 Strobe before use.
- Do not attempt to modify any Westcott products. Contact Westcott for assistance.
- The operating temperature range is 32-104°F(0-40°C).

Dual-Stage Heat Protection

The FJ400 is equipped with self-monitoring cooling fans to ensure safe operation. It is also equipped with an automatic shutoff feature. In the rare event that the strobe has reached an unsafe operating temperature, the screen will display **OH** (overheat). Once the unit has cooled, the **OH** will disappear from the screen and it will then be safe to continue operation.

FJ400 Strobe: Firmware Updates

The FJ400 strobe is designed with a USB-C port to allow for firmware updates only. Future firmware updates will result in performance enhancements, modified menu options, and improved menu layouts. It is strongly suggested that you visit fjwestcott.com/4700 to confirm your strobe has the latest firmware.

Installing the Firmware

1. Visit fjwestcott.com/4700 and scroll to the *Support* section. Find and download the latest firmware ZIP file. (Note: Various browsers may automatically unzip the ZIP file. In this scenario, skip to Step #3).
2. Unzip the file and open the extracted folder.
3. ***IMPORTANT***: Read **ALL FILES** located in the extracted folder (i.e. README, Changelog, etc).
4. Ensure the FJ400 is **OFF** and cooled before removing the battery from the strobe.
5. Connect the USB-A to USB-C cable to the FJ400's USB-C port.
6. Common operating systems will present the strobe as an external drive device.
    a. NOTE: MacOS may display the external device on the desktop or in the Finder window.
7. Locate the **.BIN** file on your computer and drag the file to the FJ400 (external device).
8. Once the file has been completely copied to the FJ400, **EJECT** the FJ400 from the computer.
9. Remove the USB-C cable from the FJ400 and reattach the battery.
10. Press the **Power** | **Model** button on the FJ400 to initiate the firmware update and confirm installation was successful by locating the firmware text in the bottom right corner of the screen during the start-up process.

IMPORTANT

- If FJ devices don't display as an external device after being connected to the computer, then please disconnect the USB cable from both devices, restart the computer, and restart the firmware installation process.
- It's recommended that the firmware update installation process be completed only when the connected computer's power level is ≥ 50%. Loss of power of any type during this process could render the FJ400 inoperable and require professional repair.
- Removing the USB-C cable from the FJ400 without properly ejecting the FJ400 from your computer could render the strobe inoperable and require professional repair.
- Depending on the operating system and the applications running, copying the firmware from your computer to the FJ400 may take a few minutes and/or halt the copying process. Should this happen, close the copy progress window and try again. Further copying issues may require the computer to be restarted.

FJ400 Strobe: Getting Started

Charging the FJ400 AC/DC Lithium Polymer Battery

The battery can be charged separately from the FJ400 or while attached to the FJ400. In both instances, connect the power cord to the AC Adapter, connect the AC Adapter's barrel plug to the battery AC receptacle, and connect the power cord into a power outlet.

AC Adapter LED Indicator Light Colors

- **Green:** AC Adapter is plugged into a power outlet without a battery attached or connected to a fully-charged battery.
- **Red:** AC Adapter is plugged into a power outlet and the battery is currently charging and less than 100% charged.

Attaching the FJ400 AC/DC Lithium Polymer Battery

Attach the FJ400 Battery to the strobe by aligning the silver connection points on the rear of the strobe to the holes on the silver strips located on the back of the battery and slide the battery down until it locks into place.

Removing the FJ400 AC/DC Lithium Polymer Battery

Ensure the FJ400 is **OFF** by long-pressing the **Power** | **Model** button until the LCD screen turns off. Then, slide the release lock located on top of the battery away from the strobe, gently press the battery up and away from the strobe to remove.

AC Power Operation

1. Ensure the battery charge level is ≥ 25%.
2. Ensure the battery is securely attached to the FJ400.
3. Plug the power cord into the AC Adapter.
4. With the strobe powered off, connect the AC Adapter's barrel plug to the battery's AC receptacle.
5. Plug the power cord into a dedicated power outlet.
6. Turn the strobe **ON** by pressing and holding the **Power** | **Model** button until the start-up screen appears.

DC Power Operation

1. Ensure the FJ400 battery has been fully charged.
2. Ensure the battery is securely attached to the FJ400.
3. Turn the strobe **ON** by pressing and holding the **Power** | **Model** button until the start-up screen appears.

FJ400 Strobe: Mounting

Mounting to a Light Stand

1. Rotate the tilter bracket's handle counterclockwise until the light stand receptacle is perpendicular to the strobe body.
2. Loosen the tension knob located lower on the tilter bracket.
3. Insert the light stand spigot into the FJ400's 5/8"-16 mm tilter bracket receptacle.
4. Tighten the tension knob to secure the strobe to the light stand.

FJ400 Strobe: Attaching & Removing Modifiers

Connecting a Bowens Speedring & Modifier

1. Ensure the strobe is turned **OFF** and has cooled for five minutes.
2. Grasp the speedring attached to the modifier and align its three square mounting blocks with the openings located on the face of the strobe.
3. Insert the speedring and turn clockwise until the speedring locks into place.

Removing a Bowens Speedring & Modifier

1. Ensure the strobe is turned **OFF** and has cooled for five minutes.
2. Grasp the speedring attached to the modifier.
3. Slide the strobe's speedring release away from the modifier.
4. Rotate the modifier's speedring counterclockwise until its three square mounting blocks align with the openings. Pull the modifier away from the strobe to release.

Attaching an Umbrella-Based Modifier

1. Ensure the strobe is turned **OFF** and has cooled for five minutes.
2. Grasp the umbrella's shaft and slide into the strobe's umbrella receptacle.
3. Tighten the tension screw to secure the umbrella-based modifier (up to 8mm shaft).

Removing an Umbrella Based Modifier

1. Ensure the strobe is turned **OFF** and has cooled for five minutes.
2. Loosen the umbrella tension screw.
3. Grasp the umbrella's shaft and gently slide the umbrella out of the FJ400 umbrella receptacle.

NOTE:

- *Never force entry or removal of speedring, umbrellas, or modifiers.*
- *Use caution during the removal of modifiers to not damage the flash tube.*
- *Octagonal umbrella shaft may not fit into the FJ400 umbrella receptacle.*

FJ400 Strobe: Wireless Control

Fully maximize the performance and features of the FJ400 by using the FJ-X2m Wireless Radio Trigger. Read more about triggering the FJ200 from these devices by reviewing the individual instructions which can be located on our www.fjwestcott.com.

FJ400 Strobe: Exposure Modes

Enabling 'TTL' Mode Operation [*Requires FJ2-Xm Trigger, FJ80 Speedlight or compatible trigger*]

Press Button 1 repeatedly until **MENU 1** appears in the cyan square at the top right of the screen.

1. Press Button 2 until **TTL** appears just below the [CH] icon in the top left of the screen.
2. TTL mode is now enabled. While in TTL Mode, rotate the Control Dial to adjust the flash exposure compensation of the strobe between -3.0 and +3.0 (±0.1 adjustments).
    a. Press the Select button once to turn the flash exposure compensation value green and have the ability to make an adjustment by ±1.0.

***IMPORTANT**: The flash exposure compensation selected on the FJ400 strobe screen is independent of the flash exposure compensation controlled by the FJ-X2m Wireless Radio Trigger and/or another compatible triggering system.*

Enabling 'Manual' Mode Operation

1. Press Button 1 repeatedly until **MENU 1** appears in the cyan square at the top right of the screen.
2. Press Button 2 until **M** appears just below the [CH] icon in the top left of the screen.
3. Manual mode is now enabled.
    *a. **NOTE**: Manual mode does not require the use of a compatible wireless triggering system and can be used with wired, optical, or wireless triggers limited to flash triggering.*
4. While in Manual Mode, rotate the Control Dial to adjust the power output of the strobe between 1.0 and 9.0 (±0.1 adjustments).
    a. Press the Select button once to turn the power output value green and have the ability to make an adjustment by ±1.0.

Group SLP (Sleep) Mode

FJ Wireless Flashes can be placed into **SLP** (sleep) mode from any FJ transmitter disabling the unit's ability to flash while other flash groups continue operating normally.

1. Determine the Group [A-F] that the FJ Wireless Flash Device is assigned to.
2. Press the corresponding FJ-X2m's Group Selection Button or FJ80's MODE Function icon [HOST mode] continuously until **SLP** (sleep) appears on the transmitter and flash next to the Group. Note that any flash units assigned to this Group will also enter into **SLP** mode.

3. Exit the **SLP** mode by continually pressing the corresponding FJ-X2m's Group Selection Button or FJ80's MODE Function icon [HOST mode] until the screen displays **TTL** or **M**.

NOTE: It's important that the Exposure Mode type is updated from the transmitter, otherwise, the flash unit(s) will re-enter SLP mode when the next transmission signal is received from an FJ transmitter.

FJ400 Strobe: SYNC Functions

Enabling 'Normal' Sync

Ideal in normal scenarios and when color consistency (5500°K ±150), full-power output (400 Ws), and the fastest recycling is essential.

1. Press Button 1 repeatedly until **MENU 1** appears in the cyan square at the top right of the screen.
2. Press Button 3 until the **NOR** icon appears in the bottom left of the screen.

NOTE*: Utilize HSS (see below) when choosing to use shutter speeds above your camera's maximum normal sync speed (typically: 1/200s, 1/250s, or 1/320s).*

Enabling 'HSS (High-speed Sync)'

Ideal for mixing a substantial amount of available light and flash when proper exposure with a shallow depth of field/wide aperture requires a flash sync speed above the camera's maximum normal sync speed (typically: 1/200s, 1/250s or 1/320s). HSS allows compatible cameras to achieve flash sync speed up to 1/8000s.

1. Press Button 1 repeatedly until **MENU 1** appears in the cyan square at the top right of the screen.
2. Press Button 3 until the **High-speed Sync** icon appears in the bottom left of the screen.

NOTE: *HSS requires FJ2-Xm or compatible trigger.*

Enabling 'Freeze Sync'

Ideal for freezing fast-moving objects lit by the strobe. *[Available in Manual Mode Only.]*

1. Press Button 1 repeatedly until **MENU 1** appears in the cyan square at the top right of the screen.
2. Press Button 2 (Mode) until the **M** (manual) icon appears in the upper left of the screen
3. Press Button 3 (Sync) until the **FRE** (freeze) icon appears in the bottom left of the screen.

The t0.5 flash duration time will be displayed in yellow when freeze sync is enabled.

Freeze Sync Flash Durations

- Flash Duration (t0.1)
    - Normal: 1/280~1/3000s
    - Freeze: 1/280~1/7000s
- Flash Duration (t0.5)

- Normal: 1/800~1/8500s
- Freeze: 1/800~1/19000s

FJ400 Strobe: Advanced Functions

Mask Function

Ideal for creating in-camera cutout masks of foreground objects for use with image editing software for easy background replacement and compositing.

NOTE: Available in Manual Mode Only. See section "*Enabling 'Manual' Mode Operation*".
NOTE: Optical Triggering is disabled in Mask Function.
IMPORTANT: A minimum of two FJ400 Strobes is required.

1. After setting Manual Mode on the FJ400 in **MENU 1**, press Button 1 repeatedly until **MENU 4** appears in the cyan square at the top right of the screen.
2. Press Button 2 (**Mask**) to activate mask functionality which will turn Button Icons 3 and 4 from disabled (gray) to enabled (black).
3. Press Button 3 (**All**) to highlight the total number of exposures to be taken in the masking sequence (2-6). Rotate the Control Dial to the desired number and press the center button and/or wait three seconds to engage your selection.
4. Press Button 4 (**SEQ#**) to highlight where in the sequence of exposures this individual strobe will fire. Rotate the Control Dial to the desired number and press the center button and/or wait three seconds to engage your selection.
    a. ***NOTE***: Your selection choices (1-6) will be limited to the number of exposures you set in the "**All**" menu plus the number 1 for the first strobe(s) to fire in the exposure sequence of 2 or more. You can assign up to 20 individually programmed FJ400 strobes to a sequence order number (1-6).

Here's a method to create a simple mask to isolate an image from the background:

1. In **Menu 4**, Set Button 3 (**All**) to **2** on every strobe being used to create the two (2) masking images.
2. Set Button 4 (**SEQ#**) on any strobe that's lighting the foreground subject to the number **1** as they will light the first exposure.
3. Set Button 4 (**SEQ#**) to number **2** on any strobe that's lighting your white background. These strobes will fire with your second exposure. Light from the strobe(s) that is set on No. 2 should not spill onto the foreground subject to ensure a crisp mask.

NOTE: Optimal Mask Function results are achieved utilizing a tripod and the FJ-X2m Wireless Radio Trigger.

Delay Function

The Delay function will add a delay to the firing of the FJ400 by a custom set amount of time.

1. Press Button 1 repeatedly until **MENU 5** appears in the cyan square at the top right of the screen.
2. Press Button 3 (DELAY) to engage the **Delay** function. A bright yellow "Delay" icon will appear in the lower left of the screen.
3. Press Button 4 to set the **Delay** timer. Repeatedly pressing Button 4 will cycle through the number places on the display allowing the setting of the 1/10 or 1/100 second positions.
4. IMPORTANT: Turn off the **Delay** function by pressing Button 3 again to disengage the **Delay** and return to standard strobe operation. The bright yellow "Delay" icon will disappear from the screen.

Continuous Capture Function

The FJ400's incredibly fast recycling times allow for it to be used to fire up to 20fps (frames per second).

1. Press Button 1 repeatedly until **MENU 1** appears in the cyan square at the top right of the screen.
2. Press Button 2 until **M** appears just below the [CH] icon in the top left of the screen.
3. Press the Center Button on the Control Dial and rotate the dial to select a power setting between 1 and 4.

***NOTE*:** 20fps is camera model dependent.

FJ400: Menu [*Expanded Look*]

Menu Screen #1

- **MENU 1** ► Button 1
- **MODE** Icon ► Button 2
    - Pressing Button 2 switches between TTL (Through the Lens) and M (Manual) exposure modes.
        - TTL Mode will allow for the flash exposure compensation value to be adjusted between -3.0 and 3.0 in ±0.1 increments by turning the Control Dial.
        - MANUAL Mode will allow the power output to be adjusted between 1.0 and 9.0 in ±0.1 increments by turning the Control Dial.
        -
- **SYNC** Icon ► Button 3
    - Pressing Button 3 switches between NOR (Normal), "Lightning-H" Icon (High-Speed Sync), and FRE (Freeze) sync functions.
        - NOR (Normal Sync) allows for a constant color temperature of 5500K (±150K)
        - "Lightning-H" Icon (High-Speed Sync) allows for shutter speeds up to 1/8000s.
        - FRE (Freeze Sync) allows for adjustments to the flash duration up to 1/19000s by rotating the Control Dial to change the FJ400 power output.

- "**Wireless**" Icon ► Button 4
    - Pressing Button 4 switches between the following wireless connection protocols:
        - TTL-ALL - *Wireless connection protocols when using the FJ-X2m to communicate with compatible camera models. See fjwestcott.com/4705 for a full list.*)
        - OFF - Disable wireless communication

Menu Screen #2

- **MENU 2** ► Button 1
- **CH** Icon ► Button 2
    - CH - Wireless Channel selection between the values of [AU] and [01-31]. *(AU locates the most reliable 2.4GHz channel.)*
        - Enable the [AU] "automatic channel" mode:
            - Set the FJ400 and FJ-X2m to channel [AU]
            - Long press the 2nd Menu Selection button on the FJ-X2m labeled **CH** until the channel on the FJ400 displays [AU].
            - ***NOTE***: The FJ-X2m trigger will continue to display [AU] in the channel window.
            - ***NOTE***: Only one FJ-X2m in AU mode can operate an FJ Wireless Flash System.
- **GR** Icon ► Button 3
    - GR - Wireless Group selection between the letters A-J.
- **ID/RT** Icon ► Button 4
    - CanonRT ID values between 00-99.
    - Canon Radio Triggers and speedlites can be synchronized with the FJ400 by selecting the same Channel, Group, and ID#.

Menu Screen #3

- **MENU 3** ► Button 1
- **"Audible Beep"** Icon ► Button 2
    - Enables/Disables audible notifications for strobe recycling completion and menu selections.
- **"Optical Sensor"** Icon ► Button 3
    - Enables/Disables the optical sensor when wanting to trigger the FJ400 with another flash-based light source (ie. 2nd strobe, speedlite, etc.) without utilizing a wireless radio trigger or PC cord.
- **"Modeling Lamp"** Icon ► Button 4
    - **"Modeling Lamp"** Icon + Off: Disables the modeling lamp.
    - **"Modeling Lamp"** Icon + Auto: Variable modeling lamp power output based upon the FJ400's power output.
    - **"Modeling Lamp"** Icon + "#": Enables the modeling lamp.

Menu Screen #4

- **MENU 4** ► Button 1
- **MASK** Icon ► Button 2
    - Enables/Disables MASK Function.
- **ALL** Icon + "#" ► Button 3
    - Sets the number of exposures (minimum 2) to be made for the total sequence of masking images. The same quantity must be set on each strobe used for the masking operation.
- **SEQ#** Icon + "#" ► Button 4
    - Sets the firing placeholder for the strobe in the sequence of (1-6) masking images.

Menu Screen #5

- **MENU 5** ► Button 1
- **Strobe Master Lock** Icon ► Button 2
    - Locks the on-strobe settings and disables the ability to change strobe settings via the trigger allowing only flash synchronization.
- **DELAY** Icon ► Button 3
    - Enables/Disables flash delay by the amount set with Button 4.
- "**#**" ► Button 4
    - Rotate the command dial to set the time delay between 0.0 and 30.0 seconds.

Menu Screen #6

Access *Menu Screen #6* by long-pressing Button 1 on any menu screen.

- **MENU 6** ► Button 1
- **SET** Icon ► Button 2
    - Toggles the available settings of the green highlighted menu selection.
        - [Screen] can be set to three levels; [MAX, MID and MIN].
        - [Auto-off] can be set to three durations; [OFF, 15,30, or 60].
        - [M/TTL] can be set to two settings; [OFF, ON].
        - [Factory Setting] has two options; [YES, NO].
- **SELECT** Icon ► Button 3
    - Toggles through the menu items.

FJ400 Battery: Performance and Care

FJ400 Performance & Sleep Modes

The FJ400 Lithium-Polymer Battery (14.8V 65Wh, 4400mAh) is capable of 480+ full-power flashes with the modeling lamp disabled. In order to operate the FJ400 with the AC power supply, the FJ400 battery must have a remaining charge of ≥ 25% capacity.

Auto-off engages at the following intervals:
DC Power: Off ~60min; Sleep ~30min.
AC Power: Off ~60min; Sleep ~30min.

FJ400 LED Battery Status Indicators

Press the Battery Status Button located on the FJ400 Battery to check the remaining charge capacity. Illuminated LED Indicators reflect the following:
4 lights: 100% ~ 75%
3 lights: 74% ~ 50%
2 lights: 49% ~ 25%
1 light: 24% ~ 0%
0 lights: Detach battery and charge to full capacity.

FJ400 Charging & Life Expectancy

The average charge time is 2.5 hours from complete discharge. The FJ400 Lithium-Polymer Battery (14.8V 65Wh, 4400mAh) will achieve at least 300 complete charge cycles. Continued usage beyond the expected charge cycles will result in diminished performance and the ability to hold a charge. Avoid charging and using the battery outside of the stated operating temperatures (32~104°F / 0~40°C) as it will affect the overall performance of the battery and strobe. Preserve the longevity of the battery by storing at roughly ~40% capacity at room temperature in a dry environment and recharge to this capacity at least every 3 months when not being used.

FJ400 Strobe: Technical Specifications

FJ400: Strobe	
Maximum Power (Ws)	400 Ws
Energy Range (Power Output)	9 f-stop (1.56 - 400 Ws)
Flash Duration (t0.1)	Normal: 1/280~1/3000s Freeze: 1/280~1/7000s
Flash Duration (t0.5)	Normal: 1/800~1/8500s Freeze: 1/600~1/19000s
Recycle Time (DC/Battery Power)	0.05 - 0.9s
Color Temperature	5500°K ±150 Color Temp: 1/1 - 1/256, 5500° ± 150 Color Temp: <1 stop ±75k (Normal Sync)
Color Temperature Stability	Normal/TTL/HSS: 5500°K ±150°K Freeze: 5500°K ±500°K (E.R. 5~9)
Mounting System	Bowens S-type
Auto Multi-Voltage	Yes
Flash Increments	1-stop and 0.1-stop
Flash Modes	Manual / TTL
Mask Function	Yes; Manual Mode
Delay Function	Yes
Continuous Capture	20 fps (Camera Model Dependent)
IGBT	Yes
Flash Exposure Compensation (FEC)	±3
Modeling Lamp (Output)	LED 20W (5600K)
Sync Functions	Normal, HSS, Freeze
Sync Speed	1/8000 Sec (High-Speed)
Wireless Radio Frequency	2.4 GHz
Wireless Channels	AU, 01-31
Wireless Groups	6 Trigger, 10 App
Wireless Range	985' (300m)
Power Source	FJ400 AC/DC Battery

Battery Type	Lithium Polymer
Battery Capacity	65Wh, 4400mAh
Voltage	14.8V
Output Current	20A Max
Charge Current	≤ 2A Max
Charge Temperature	50° to 113° F / 10° to 45° C
Discharge Temperature	14° to 122° F / -10° to 50° C
Flashes Per Charge	480+ at Full Power
Battery Indicators	LED
Recharge Time	2.5 hours
Battery Charge Cycles	300
AC Power Operation Requirement	Battery Level ≥ 20%
Charge Voltage	DC 16.8V
FJ400: AC Power Adapter	
Input Range	100-240 VAC, 50/60 Hz, 1.6A
Output Range	DC 16.8V, 2A
Power Cable Length	7.7' (2.35 m)
AC Connection Point Type	5 mm
FJ400: General	
Display	LCD Color Display
Mount	5/8" / 16 mm Receptacle
Auto-Dump	Yes
Fan Cooled	Self-Monitoring Cooling Fans
Voltage Stabilization	Yes
Firmware Port Type	USB-C (Firmware)
Auto Memory Recall	Yes
Test Button	Yes
Auto-Power Off	Yes
Audible Beep	Yes
Umbrella Receptacle	Yes

FJ400: Dimensions & Weight	
Weight (Battery & Reflector)	5.37 lbs (2.44 kg)
Length	11.50 in (29.2 cm)
Height	7.25 in (18.4 cm)
Diameter	5.50 in (14.0 cm)
Operating Temp	32~104°F / 0~40°C

NOTE: Strobe performance, available features, and menu items are subject to change without notice.

Warranty Information

Westcott's warranty obligations for this product are limited to the following terms.

The F.J. Westcott Co. ("Westcott") warrants this Westcott branded product against defects in materials and workmanship under normal use for a period of **ONE (1) YEAR** from the date of retail purchase from Westcott or an authorized retailer by the original end-user purchaser ("Warranty Period"). If a defect arises and a valid claim is received within the Warranty Period, at its option and to the extent permitted by law, Westcott will either (1) repair the defect at no charge, using new or refurbished replacement parts, or (2) exchange the product with a product that is new or which has been manufactured from new or serviceable used parts and is at least functionally equivalent to the original product. This Limited Warranty applies only to products manufactured by or for Westcott that can be identified by the Westcott trademark, trade name, or logo affixed to them.

This warranty does not apply to: (a) damage caused by accident, abuse, misuse, flood, fire, earthquake, mold, or other external causes; (b) damage caused by operating the product outside the permitted or intended uses described by Westcott; (c) a product or part that has been modified to alter functionality or capability without the written permission of Westcott; or (d) cosmetic damage, including but not limited to scratches, dents, and broken plastic.

Disclaimer: By purchasing, borrowing and/or using this product for any event, both public or private, you, the customer, accepts all responsibility and releases Westcott, and its associates, of any and all liability in the event of manufacturer's defect, malfunction or misuse of the product which may lead to further injuries or complications unforeseen by the user. Westcott is not responsible for any potential or incurred damage caused by failure to properly mount, hang, or store the product, which includes, but is not limited to damage to cameras, electronics, electrical equipment, buildings, building materials, personal injury, death, or disability, fire damage, or any and all other damage not mentioned previously.

Please contact Westcott's Repair Department for a Return Authorization Number "RMA" prior to requesting warranty service. This RMA must be clearly written on the outside of the box to the left of the shipping label. Items sent in without pre-authorization or that do not fall under the limited warranty will be returned at the expense of the sender.

Repair Department: 800-886-1689 / 419-243-7311 (International)
Email: service@fjwestcott.com
Shipping: F.J. Westcott Co, 1425-B Holland Rd. Maumee, OH 43537

Legal Information

Westcott products are made to the company's traditionally high standards of quality and comply with all applicable government safety regulations and requirements. In an effort to provide the best quality products possible, we periodically make product modifications. Actual products may not be identical to items pictured. Future firmware updates may result in performance enhancements, removal of features to achieve optimal performance, and modified menu options and layouts.

Made in the USA.