FJ80 II Series Touchscreen Speedlight
User Manual

v 1.2.3
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Contents

Introduction

Thank you for purchasing the Westcott FJ80 II Touchscreen Speedlight. The FJ80 II is the perfect addition to the growing family of FJ Series Wireless products; FJ400 Strobe, FJ200 Strobe, FJ80 Speedlight, FJ Wireless Triggers, and FJ-XR Wireless Receiver (*all sold separately*). The original FJ80 was the industry's first-round head speedlight and transceiver equipped with multi-brand compatibility and touchscreen controls. The FJ80 II is the next iteration in that series and offers improved performance, wireless connectivity, and overall user experience.

The FJ80 II provides an experience, unlike any other flash. The round head provides a more natural light output mimicking the sun, leading to more appealing catchlights in your subject's eyes and evenly filling up cylindrical modifiers from the center to the edge. It's compact, lightweight, and performance-driven, which makes it perfect for on-camera and off-camera photography.

The FJ80 II also doubles as a transceiver, meaning the ability to send and receive wireless communication with select FJ devices. With the ability to receive wireless communications from the FJ80 II, FJ80, FJ-X Triggers and Canon RT devices, the compact FJ80 II allows you to squeeze into the smallest spaces or reach new heights to achieve your desired lighting effect.

One last thing, and this is the important one. Don't forget that Westcott HQ is based in Maumee, OH, and our team's available to answer your questions, Monday-Friday 9 am-5 pm ET. We also have a community of loyal Westcott users who are ready to share their tips and tricks via the Westcott Lighting Community on Facebook during the week or on the weekend.

We hope you're excited to get started with your new lighting tool because we're excited to see what you create.

Thank you for your business.

-Team Westcott

Components (Included)

- FJ80 II Universal Speedlight
- FJ80 II Rechargeable Lithium Polymer Battery
- FJ80 II Battery Charger & AC Adapter
- FJ80 II Shoe Stand
- FJ80 II USB Cable
- FJ80 II Travel Case

Important things to know before starting…

Reviewing Firmware Files

Firmware updates will be made available on the Westcott Firmware Update page: (https://www.fjwestcott.com/firmware.) Firmware updates often improve the overall performance of the device or allows for minor updates to the GUI of the FJ Wireless product. Please review ALL documentation included with each firmware download to ensure all of the necessary preparation steps are complete before installing the firmware.

TTL ±3 Flash Exposure Compensation

±3 TTL Flash Exposure Compensation (FEC) on FJ Wireless Triggers or host FJ80 Speedlights *(when used as a transmitter*) is independent of the Flash Exposure Compensation (FEC) displayed on FJ Wireless lights (*when used as a client*). Meaning, a change of the FEC ±3 on FJ Wireless Triggers or a host FJ80 Speedlight will adjust the light output in TTL mode; however, a client FJ80's touchscreen will not visually indicate the FEC changes made on an FJ Wireless Trigger or host FJ80 Speedlight. FJ80 Speedlight's FEC can be further adjusted ±3 on the client light directly.

Canon Continuous Mode

When using Canon Continuous Mode with FJ Wireless Triggers and FJ80 II Speedlight, you will see two overlapping squares on the display. The FJ Wireless System, including the original FJ80 and FJ-X2m Trigger, will be in Manual Mode by default, which means that TTL and HSS functionality will be disabled. To resume these functions, simply exit Continuous Mode on your Canon camera. However, FJ80 II and FJ-X3 devices with current firmware have removed the limitations of Manual Mode.

FJ80 II Speedlight: Overview

Articulating Head

Ventilation

Home Button

Test Button

Power Button

Color Touchscreen

Fresnel Lens

Serial Number (behind battery)

1/4"-20 Receptacle

Battery

Battery Releases

USB-C Port (Firmware Updates)

AF Assist

Shoe Lock Dial

FJ80 II Speedlight: LCD Display & Menus

Main Menu

Host
Client
Speedlight
Settings

Settings Menu

Page 1/3	Version 1.0
Screen	2
Auto-Off	1.5
X-Sync	OFF
Beep	ON
RT ID#	ON 00
Freeze	ON

▲ OK ▼

Settings Menu

Page 2/3	Version 1.0
Display	DECIMAL
AF Beam	AUTO
Language	English

Factory Reset

▲ OK ▼

Host Menu

- Canon CH 01 STDBY
- Group A 🔒 🔋
- A M 3.0 0
- B M 3.0 0
- C M 3.0 0
- X SYNC   ((((<<   📷
- ▲ OK ▼
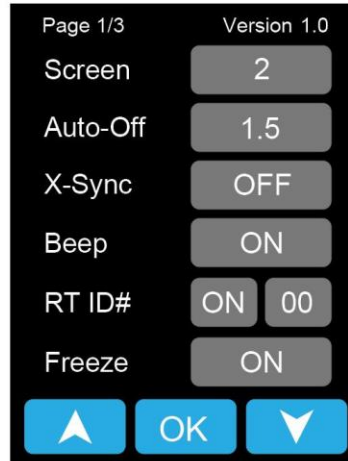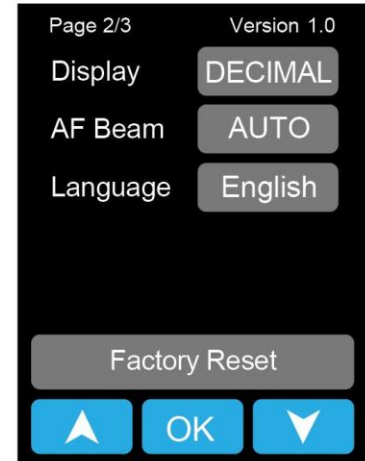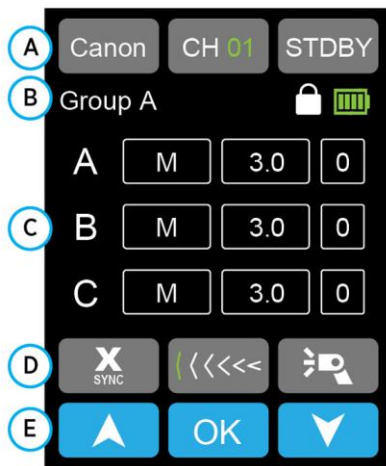
(A) Camera Brand Selection, Channel Selection, Standby

(B) Group Selection, Lock Icon, Battery Icon Indicator

(C) TTL / M Group Designations, Power Output Value / FEC ±3, Modeling Lamp Control

(D) Sync Function Selection, Zoom Selection, Host Speedlight Enable/Disable

(E) Selection Control Arrows, OK Button

Client Menu

- TTL-ALL CH 01 GR A
- TTL 🔒 🔋
- +0.0
- NOR
- MODE ((((<< ☀ OFF
- ▲ OK ▼
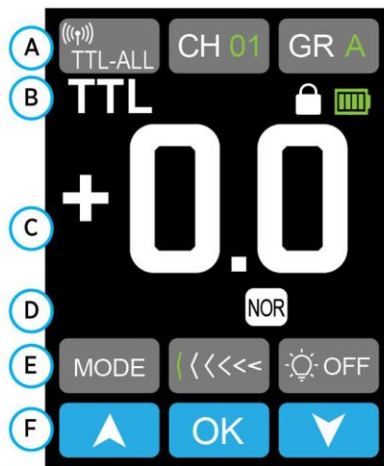
(A) FJ Wireless Enabled, Channel Selection, Group Selection

(B) Flash Mode Icon, Lock Icon, Battery Icon Indicator

(C) Power Output Value / FEC ±3

(D) Sync Function Icon

(E) Mode Selection, Zoom Selection, Modeling Lamp Setting

(F) Selection Control Arrows, OK Button

Speedlight Menu

- Canon ⚡H STDBY
- TTL 🔒 🔋
- +0.0
- MODE ((((<< ☀ OFF
- ▲ OK ▼

(A) Camera Brand Selection, Sync Function Selection, Standby

(B) Flash Mode Icon, Lock Icon, Battery Icon Indicator

(C) Power Output Value / FEC ±3

(D) Mode Selection, Zoom Selection, Modeling Lamp Setting

(E) Selection Control Arrows, OK Button

FJ80 II Speedlight: Warnings

Caution

- **IMPORTANT:** During operation, the speedlight lens and various components of the FJ80 II speedlight temperatures may increase. Please use caution while using it to avoid severe burns or injuries.
- Do not touch the speedlight lens after immediate use to avoid potential injury.
- Use only with the Westcott FJ80 II Lithium Polymer Battery and Charging Base.
- Never leave unattended around children and/or pets.
- Always confirm proper installation, locking, and unlocking when adding or removing from the camera hot shoe. (NOTE: Failure to completely rotate the dial to lock and unlock could permanently damage the locking pin.)
- Keep away from fire, water, and moisture.
- Do not submerge in water.
- Avoid drastic temperature changes before, during, or after use.
- Always remove the FJ80 II Lithium Polymer Battery from the FJ80 II Speedlight during travel/storage to avoid accidental operation, which could lead to overheating or permanent damage.
- Do not force adjust or add excessive weight to the speedlight head.
- Only use the FJ80 II Speedlight with compatible FJ80 mounts, brackets, modifiers, and/or accessories.
- Do not attempt to disassemble or modify any Westcott products. Contact Westcott for assistance.
- The operating temperature range is 14°~122°F / -10~50°C).

Dual-Stage Heat Protection System

The FJ80 II is equipped with a self-monitoring system ensuring safe operation during continued full-power use during a short timeframe.

Stage 1: Once the speedlight reaches an internal operating temperature of 212°F (100°C), the screen will display a yellow [**OH**]. The recycle time will also increase by 2 seconds in an effort to cool the unit while allowing for continued operation.

Stage 2: Once the strobe reaches an internal operating temperature of 266°F (130°C), the screen will display a red **[OH]** icon. The recycle time will increase an additional 2 seconds in efforts to cool the unit while allowing for further operation.

Once the unit has cooled, the yellow or red [**OH]** will disappear from the touchscreen, it will then be safe to continue operation.

NOTE: The LED modeling lamp will be disabled during OH to assist in minimizing the internal temperature.

FJ80 II Speedlight: Firmware Updates

The FJ80 II Speedlight 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. Please visit https://www.fjwestcott.com/firmware to confirm your speedlight has the latest firmware before using it.

FJ80 II Speedlight: Getting Started

Charging the FJ80 II Lithium Polymer Battery

1. Ensure the FJ80 II is **OFF** by long-pressing the physical **Power** button until the LCD screen turns off.
2. Remove the battery from the FJ80 II by pressing each release button located on the sides of the battery and gently pull the battery away from the FJ80 II battery well.
3. Connect the FJ80 II Power Cord to the FJ80 II Battery Charger and plug the cord into a wall outlet.
4. Align the gold contacts on the back of the FJ80 II battery with the contacts on the FJ80 II charger; while pressing the buttons on the side of the battery, gently insert the battery into the charger and gently press down until the battery locks into place and the LED begins to blink orange.
5. The battery is charged and can be safely removed from the charger when all of the LED indicator lights turn green.
6. Remove the battery from the charger by pressing the side release buttons and gently pulling away from the charger.
7. Reinsert into the FJ80 II battery bay.

Battery Charger LED Indicator Lights

- **Solid Green Indicator LED**
  - *No Battery Inserted:* The charger is plugged into a power outlet and is ready to charge the FJ80 II Li-po Battery.
  - *Battery Inserted:* The FJ80 II Battery is fully-charged and ready to be removed from the charger.
- **Blinking Orange Indicator LED**
  - *Battery Inserted:* The FJ80 II Battery is correctly inserted and charging.

Reattaching the FJ80 II Lithium Polymer Battery

Reattach the FJ80 II Battery to the speedlight by aligning the gold contacts on the back of the battery to the contacts on the FJ80 II battery port. Gently press the battery into the battery well until it clicks into place.

DC Power Operation

1. Ensure the FJ80 II battery is completely charged.
2. Ensure the battery is securely attached to the FJ80 II.
3. Turn the speedlight **ON** by long-pressing the physical **Power** button, then tap the blue power logo on the screen until the start-up screen appears.

NOTE: The FJ80 II LCD Touchscreen may be protected by a removable clear screen protector that can be removed at any time by gently pulling the film away from the display.

NOTE: The FJ80 II was designed to achieve 500+ full-power flashes with every battery charge. Achieving this burst count requires that the touchscreen screen intensity be set to **MIN** in the **Settings** menu.

FJ80 II Speedlight: Mounting

Attaching to a Camera

1. Ensure the FJ80 II is **OFF**.
2. Slide the base of the FJ80 II into the camera's hot shoe with the touchscreen facing the same direction as the rear of the camera.
    a. NOTE for Sony Users: The FJ80 II M Universal Speedlight requires the #4711 FJ Adapter for Sony Cameras accessory (sold separately).
3. Rotate the FJ80 II locking dial clockwise (left to right) until it's securely mounted to the camera.

Detaching from a Camera

1. Ensure the FJ80 II is **OFF**.
2. Rotate the FJ80 II locking dial counterclockwise (right to left). (NOTE: Ensure that the dial has been completely rotated to the left. Otherwise, the locking pin may be permanently damaged upon removal of the speedlight from the hot shoe.)
3. Securely grasp the sides of the FJ80 II Speedlight, gently slide the speedlight towards the rear of the camera, and completely remove it from the camera's hot shoe.

NOTE: Always ensure that the locking pin is fulling retracted before inserting into the camera's hot shoe. Never force or remove the FJ80 II into or away from the camera's hot shoe.

FJ80 II Speedlight: Attaching & Removing Accessories

Mounting & Removing the FJ80 II Cold Shoe Stand

1. Slide the metal base of the FJ80 II into the cold shoe stand with the touchscreen facing the same direction as the channel opening on the back of the shoe stand.
2. Rotate the FJ80 II locking dial clockwise (left to right) until it's securely mounted to the cold shoe stand.
3. Remove the FJ80 II Speedlight by rotating the FJ80 II locking dial counterclockwise (right to left). {NOTE: Ensure that the dial has been completely rotated to the left. Otherwise, the locking pin may be permanently damaged upon removal of the speedlight.}
4. Securely grasp the sides of the FJ80 II Speedlight, gently slide the speedlight towards the rear of the cold shoe stand and completely remove it from the cold shoe stand.

Attaching & Removing FJ80 Series Magnetic Modifiers [*sold separately*]

1. Ensure the FJ80 II's articulating flash head and lens are free from obstructions.
2. Grasp the edges of the modifier's magnetic ring, align the magnetic ring with the FJ80 II's face, and gently affix it into place. [NOTE: The magnetic ring may require a slight turn to ensure proper seating].
3. Remove the magnetic modifier by grasping the magnetic ring and pulling away from the speedlight head.

NOTE: Ensure the FJ80 II has cooled before adding and removing modifiers.

FJ80 II Speedlight: Powering & Testing

Powering On

Long press the **Power** button for 3-seconds until the digital blue power button appears on the display, release the **Power** button, and tap the digital blue power button on the touchscreen.

Powering Off

Long press the **Power** button for 3-seconds until the FJ80 II turns off.

Test Fire

Quick-press the white **Test** button [backlit green] once to test-fire the FJ80 II. When the **Test** button is pressed, the backlit button will turn from green to red until the speedlight has recharged and is ready for the next burst.

FJ80 II Speedlight: Speedlight *On-camera* Operation

Enable SPEEDLIGHT Mode

1. Quick-press the physical **Home** button to return to the Main Menu on the display.
2. Quick-press the digital **Speedlight** button on the Main Menu to enter Speedlight Mode.
3. Adjust the speedlight settings using one of the following methods:
   a. *Method 1:* Press the desired setting's digital button repeatedly until the desired setting is visible on the button and/ or touchscreen. NOTE: The FJ80 II's power is not able to be adjusted via multiple taps.
   b. *Method 2:* Quick-press the desired setting's digital button to highlight the selection and use the up-and-down arrows to change the settings. Press **OK** to confirm the selection.

Digital Touchscreen Buttons

Top Section

- Camera Brand Button: [Canon, Nikon, Sony, Fuji, Olympus, Lumix]
- SYNC Function Button: [Front Curtain Sync, Rear Curtain Sync, High-speed Sync (HSS)]
- STDBY Icon (Standby Function)

Middle Section

- TTL Exposure: [+3.0] | M Exposure: [1.0 ~ 9.0]

Lower Section

- MODE Function Button: [Manual (M), TTL]
- ZOOM Button: [Automatic (A), Beam Spread Range Icon]
- Modeling Lamp Button: [OFF, AUTO, 1-3]

Screen Controls

- Up Arrow
- OK Button
- Down Arrow

Auto-Focus (AF) Assist Beam

The FJ80 II is equipped with an integrated AF Assist Beam which is compatible with various camera models. Review your camera's owner's manual and familiarize yourself with the settings that need to be adjusted to take advantage of this feature.

In the FJ80 II Settings menu, toggle the Auto-Focus beam selection to **AUTO** or **OFF**.

1. When the AF selection is turned to **AUTO,** it will lock the FJ80 II's shutter speed at 1/200th of a second. It's important to note that this will disable HSS. This setting is best used in scenarios with little ambient light.

2. When the AF selection is turned **OFF**, the HSS functionality will perform as normal and will allow you to change your shutter speed higher than 1/200th of a second. Please note that the HSS functionality is dependent on whether your camera is listed on the compatibility chart on https://www.fjwestcott.com/wireless-compatibility.

NOTE: AF Assist Beam functionality is not compatible with all cameras. Review your camera's owner's manual and familiarize yourself with the settings that need to be adjusted to take advantage of this feature with compatible cameras.

FJ80 II Speedlight: *HOST* Wireless Operation

Enable HOST Mode

1. Quick-press the physical **Home** button to return to the Main Menu on the display.
2. Quick-press the digital blue **HOST** button on the Main Menu to enter **HOST** Mode.
3. Adjust the touchscreen settings using one of the following methods:
   a. *Method 1:* Press the desired setting's digital button repeatedly until the desired setting is visible on the button and/ or touchscreen.
   b. *Method 2:* Quick-press the desired setting's digital button to highlight the selection and use the up-and-down arrows to change the settings. Press **OK** to confirm the selection.

Group SLP (Sleep) Mode [HOST]

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 CLIENT FJ Wireless Flash Device is assigned to.
2. Press the corresponding FJ80 II's MODE Function icon continuously until **SLP** (sleep) appears on the display. Note that any flash units assigned to this Group will also enter into **SLP** (sleep) mode.
3. Exit the **SLP** (sleep) mode by continually pressing the corresponding FJ80 II's MODE Function icon until the screen displays **TTL** or **M**.

NOTE: Ensure the Exposure Mode type is updated from the HOST FJ80 II; otherwise, the CLIENT flash unit(s) will re-enter SLP (sleep) mode once the HOST FJ80 II transmits the next signal to the CLIENT devices.

Selectable Digital Touchscreen Buttons

Top Section

- Camera Brand Button: [Canon, Nikon, Sony, Fuji, Olympus, Lumix]
- Channel Button (CH): [01-31]
- STDBY Icon (Standby Function)

- Group (GR A): Fixed; The FJ80 II will default and remain in Group A when **HOST** mode is enabled.

Middle Section

- Group Selections: [A-F]
- MODE Function Button: [Manual (M), SLP, TTL]
- TTL Exposure: [+3.0] | Manual Exposure: [1.0 ~ 9.0]
- Modeling Lamp Control Button: [OFF [0] - [3]]
    - NOTE: The Modeling Lamp Control Button for each group serves two functions for assigned **HOST** and **CLIENT** units;
        - a) Adjusting the output settings Minimum [1] ~ Maximum [3] will control the **HOST** FJ80 II's modeling lamp brightness.
        - b) Modeling lamps of FJ **CLIENT** flash/strobe units assigned to the same Group(s) as the **HOST** FJ80 II can also be controlled via this control button. However, the modeling lamp output of **CLIENT** units is static, meaning the light output can only be set to OFF [0] or ON [1~3].

Lower Section

- SYNC Function Button: [Front Curtain Sync, Rear Curtain Sync, High-speed Sync (HSS), X-sync*]
- ZOOM Button: [Automatic (A), Beam Spread Range Icon]
- **HOST** Sleep: [Enable/Disable] (Setting disables the on-camera FJ80 II from firing when the shutter release is pressed)

* See X-sync details below

Screen Controls

- Up Arrow
- OK Button
- Down Arrow

FJ80 II Speedlight: *CLIENT* Wireless Operation

Enable CLIENT Mode

1. Quick-press the physical **Home** button to return to the Main Menu on the display.
2. Quick-press the digital **CLIENT** button on the Main Menu to enter **CLIENT** Mode.
3. Adjust the touchscreen settings using one of the following methods:
    a. *Method 1:* Press the desired setting's digital button repeatedly until the desired setting is visible on the button and/ or touchscreen.
    b. *Method 2:* Quick-press the desired setting's digital button to highlight the selection and use the up-and-down arrows to change the settings. Press **OK** to confirm the selection.

NOTE: It's important that the desired power settings are updated from the transmitter; otherwise, the flash unit(s) will default to the selected power on the transmitter when the next transmission signal is received from an FJ transmitter.

Group SLP (Sleep) Mode [CLIENT]

FJ Wireless Flashes can be placed into **SLP** (sleep) mode from any FJ transmitter. This disables 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 Wireless Triggers Group Selection Button or the HOST FJ80 II's MODE Function icon 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** (sleep) mode.
3. Exit the **SLP** (sleep) mode by continually pressing the corresponding FJ Wireless Triggers Group Selection Button or FJ80 II'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 (sleep) mode when the next transmission signal is received from an FJ transmitter.

Selectable Digital Touchscreen Buttons

Top Section

- Wireless Button: Fixed; The FJ80 II will default and remain in TTL-ALL Wireless Mode when the **CLIENT** Mode is enabled.
- Channel Button (CH): [01-31]
- Group Button (GR): [A, B, C, D, E, F, G, H, I, J, L, O, P, Q, S, U]

Middle Section

- TTL Exposure: [+3.0] | M Exposure: [1.0 ~ 9.0]

Lower Section

- MODE Function Button: [Manual (M), TTL]
- ZOOM Button: [Beam Spread Range Icon]
- Modeling Lamp Button: [OFF, AUTO, 1-3]

Screen Controls

- Up Arrow
- OK Button
- Down Arrow

Full-stop Increments in Manual Mode with the FJ Wireless Trigger

Please refer to your specific FJ Wireless Trigger manual to learn how to utilize this feature.

FJ80 II Speedlight: SYNC Functions

Enabling Front or Rear Curtain Sync

Front or Rear Curtain Sync is ideal in normal scenarios and when color consistency (5500°K ±200), full-power output (80 Ws), and the fastest recycling are essential.

1. Press the **Sync** selection button repeatedly until three arrows appear in the white square at the top right of the screen.
2. Front Curtain will show three arrows, with the first arrow filled in white.
3. Rear Curtain will show three arrows, with the third arrow filled in white.

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)'

High-speed Sync is 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 the Sync Selection button repeatedly until an H with a lightning bolt appears in the white square at the top of the screen.

NOTE: HSS requires an FJ-X Transmitter or FJ80 Series Speedlight.

Enabling Freeze Sync

Freeze Sync is ideal for freezing fast-moving objects lit by the speedlight. *[Available in Manual Mode Only.]*

1. Press the physical **Home** button and then tap on the **Settings** menu.
2. Locate the Freeze Setting and tap the **OFF** button until ON appears.
3. Press the **Home** button and select the desired mode.
4. Freeze flash is now enabled.

NOTE: Freeze flash will only work in Front and Rear Curtain Sync.

Freeze Sync Flash Durations

- Flash Duration (t0.1)

    - Normal: 1/550~1/17,100s

    - Freeze: 1/680~1/31,000s

- Flash Duration (t0.5)

    - Normal: 1/1,2400~1/31,700s

    - Freeze: 1/2130~1/55,600s

Enabling X-Sync

X-Sync provides center pin communication with your camera. This functionality is ideal for use with many film cameras, medium format cameras with leaf shutter lenses, and in some instances, necessary to overcome speed drive limitations placed on flash gear by advanced camera systems. Enabling X-Sync may also be useful when using the FJ80 II with cameras and camera brands not fully compatible with the FJ System.

IMPORTANT: When X-Sync is activated, High-Speed Sync and TTL features will be automatically disabled.

IMPORTANT: If a camera's hot shoe does not have a center pin, it will not be able to communicate with the FJ80II when X-Sync is enabled.

1. Press the physical **Home** button and then tap on the **Settings** menu.
2. Locate the X-Sync option and tap the **OFF** button until ON appears.
3. Press the physical **Home** button and select **HOST** mode.

NOTE: The SYNC icon above the Selection Control Up Arrow on the HOST screen can no longer be toggled to other SYNC functions. Disable X-Sync in the Settings menu to re-enable High-Speed Sync & TTL functionality.

NOTE: Enabling X-Sync also restricts MODE operations to MANUAL (M) or SLEEP (SLP).

FJ80 II Speedlight: ZOOM Control

FJ80 Series: Remote ZOOM Control [Single Group]

Please refer to your Remote ZOOM section in your FJ Wireless Trigger manual to learn how to use this feature.

FJ80 Series: Remote ZOOM Control [All Groups]

Please refer to your Remote ZOOM section in your FJ Wireless Trigger manual to learn how to use this feature.

FJ80 II Speedlight: STDBY (Standby Control)

Enabling and disabling Standby mode provides the ability to immediately REMOVE communication between a camera and the FJ80 II Speedlight without powering down the speedlight.

NOTE: STDBY functionality differs from the HOST Speedlight control as it stops all communication with the camera. Tapping the speedlight icon will only prevent the on-camera HOST speedlight from firing while allowing additional off-camera FJ Wireless lights assigned to Group A to remain active.

Activating Standby

1. Double tap the gray **STDBY** button until the button turns white and STDBY illuminates green.
2. Press the **OK** button.
3. The **STDBY** button will illuminate green with white letters when enabled.

Disabling Standby

1. Double tap the green **STDBY** button until the button turns white and STDBY illuminates gray.
2. Press the **OK** button to return to normal operation.

FJ80 II Speedlight: Settings Menu

Enter SETTINGS Menu

1. Quick press the physical **Home** button to return to the Main Menu on the display.
2. Quick press the digital **Settings** button on the Main Menu to enter the Settings Menu.
3. Navigate the **Settings** menu by quickly pressing the button next to the setting that needs to be changed. The button will turn white, signaling that the setting can be changed.
4. Adjust the touchscreen settings using one of the following methods:
   a. *Method 1:* Press the desired setting's digital button repeatedly until the desired setting is visible on the button and/ or touchscreen.
   b. *Method 2:* Quick press the desired setting's digital button to highlight the selection and use the up-and-down arrows to change the settings. Press **OK** to confirm the selection.
5. Quick press the physical **Home** button to return to the Main Menu on the touchscreen.

Pages 1 & 2: Selectable Digital Touchscreen Buttons

- **Screen** Options: [(Minimum Brightness (1) ~ Maximum Brightness (5)]
- **Auto-Off** Options: [20 minutes, 1.5 hours, OFF (coming soon)]
- **X-Sync** Options: [ON, OFF]
- **Beep** Options: [ON, OFF]
- **RT ID#** Options: [OFF, ON] [00-99]
- **Freeze** Options: [ON, OFF]
- **Display** Options: [DECIMAL, FRACTION]
- **AF** Options: [ON, OFF]
- **Language** Options: [English, French *(coming soon)*, Spanish *(coming soon)*]
- **Factory Reset**

Page 3: Camera Brand Control Selections

While in the Settings Menu screen, quick-press the **UP** or **DOWN** arrows to locate page 3. These menu options control which camera brands will be selectable on the HOST and SPEEDLIGHT control screens. Quick-press the ON|OFF touchscreen buttons next to the desired camera brands to add or remove a brand from the Channel Brand Selection menu on the control screens

- Canon [ON/OFF]
- Nikon [ON/OFF]
- Sony [ON/OFF]
- Fuji [ON/OFF]
- Olympus [ON/OFF]
- Lumix [ON/OFF]

FJ80 II Battery: Performance and Care

FJ80 II Battery Performance

The FJ80 II Lithium-Polymer Battery (11.1V 17.76Wh, 1600mAh) is capable of 500+ full-power flashes with the modeling lamp disabled and screen brightness set to Minimum Brightness (1).

FJ80 II Charging & Life Expectancy

The average charge time is ~2 hours from complete discharge. The FJ80 Lithium-Polymer Battery (11.1V 17.76Wh, 1600mAh) will achieve at least 300 full charge cycles (@80% after 300). 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 (14~122°F / -10°~50°C) as it will affect the overall performance of the battery and speedlight. Preserve the battery's longevity by storing at roughly ~40% capacity at room temperature in a dry environment and recharge to this capacity at least once every three months when not being used.

FJ80 II Speedlight: Technical Specifications

FJ80 II: Speedlight	
Maximum Power (Ws)	80 Ws
Energy Range (Power Output)	9 f-stop (0.3Ws to 80 Ws)
Flash Duration (t0.1)	Normal: 1/550-17,100s Freeze: 1/680-31,000s
Flash Duration (t0.5)	Normal: 1/2400-31,700s Freeze: 1/2130-55,600s
Recycle Time	.05s - 1.5s (DC Battery)
Color Temperature Stability	Normal/TTL/HSS: 5500K±200 Freeze: 5500K -±600K (E.R. 5-9)
Mounting System	FJ80 Magnetic Mount
Auto Multi-Voltage	Yes
Flash Increments	0.1-stop; 1.0-stop
Flash Modes	Manual / TTL
Continuous Capture	20 fps (Camera Model & Speedlight Settings Dependent)
IGBT	Yes
Flash Exposure Compensation (FEC)	±3
Modeling Lamp (Output)	LED 3 Watts (5500K ±200K)
Flash Tube	Ω; 180° Beam Angle
Sync Functions	Normal, HSS, Freeze
Sync Speed	Normal: 1/250s HSS: 1/8000s
Wireless Radio Frequency	2.4GHz
Wireless Channels	01-31
Wireless Groups	16 [A, B, C, D, E, F, G, H, I, J, L, O, P, Q, S, U]
Wireless Range	328' (100m)
Power Source	FJ80 II Battery
Battery Type	Lithium Polymer
Battery Capacity	17.76 Wh, 1600mAh
Voltage	11.1V

Charger Voltage	12.6V
Continuous Discharge Current	10A
Charge Current	≤ 1.5A
Charge Temperature	50° to 113° F / 10° to 45° C
Discharge Temperature	14° to 122° F / -10° to 50° C
Flashes Per Charge	500+ at Full Power
Recharge Time	~2 hours
Battery Charge Cycles	300 (@80% after 300)
FJ80 II: General	
Display	LCD Touchscreen Color Display
Mount	Hot Shoe
Auto-Dump	Yes
Cooling	Passive
Voltage Stabilization	Yes
Firmware Port Type	USB-C (Firmware)
Auto Memory Recall	Yes
Test Button	Yes
Auto-Power Off	Yes
Audible Beep Control	Yes
Optical Slave	N/A
FJ80 II: Dimensions & Weight	
Weight (FJ80 with Battery)	1.30 lbs (0.59g)
Length	8.4 in (21.3cm)
Height	3.1 in (7.8cm)
Operating Temp	14° - 122°F / -10° - 50°C

NOTE: Speedlight performance, available features, and menu items are subject to change without notice with future firmware updates or physical product changes during manufacturing. Information and specifications found in this document may 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 sender's expense.

Repair Department: 419-243-7311
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 the items pictured. Future firmware updates may result in performance enhancements, removal of features to achieve optimal performance, and modified menu options and layouts.

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