

L120-B Bicolor COB

User Manual

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L120-B Bicolor COB	0
Important things to know...	3
Included Components	3
Firmware Updates	3
L120-B COB: Warnings	3
L120-B COB: Overview	4
L120-B COB: LCD Display	5
L120-B COB: Getting Started	6
AC Power Operation	6
DC Power Operation	6
D-Tap Battery	6
L120-B COB: Tilter Bracket	6
Mounting the Tilter Bracket	6
Removing the Tilter Bracket	6
L120-B COB: Mounting	7
Mounting to a Light Stand	7
L120-B COB: Attaching & Removing Modifiers	7
Connecting a Modifier	7
Removing a Modifier	7
L120-B COB: Controls	7
Adjusting the Light Output	7
Adjusting the Color Temperature (Kelvin)	7
Enabling and Adjusting the Visual FX	7
FX Options	8
Enabling Bluetooth®	8
L120-B COB: Wireless Control	8
Connecting a Light	8
Connecting Multiple Lights	8
Removing a Light	8

Renaming a Light	9
L120-B COB: Firmware Updates	9
Installing the Firmware	9
Important Firmware Details	10
L120-B COB: Technical Specifications	11
Warranty Information	12
Legal Information	12

Important things to know...

Included Components

- L120-B COB
- 45° Ultra Reflector
- AC Power Adapter & Cord
- Protective COB Cover
- Travel Case
- Owners Manual
- Rapid Box Switch Insert (Bowens)

NOTE: *Components and accessories may vary depending on the kit purchased.*

Firmware Updates

The L120-B COB is designed to allow for firmware updates over-the-air (OTA) via the free Westcott StudioLink mobile app. The app is available via the Apple App Store and Google Play Store. Future firmware updates may result in performance enhancements, modified menu options, or improved menu layouts.

Please review the steps in the [“Installing the Firmware”](#) section of this manual for additional details.

L120-B COB: Warnings

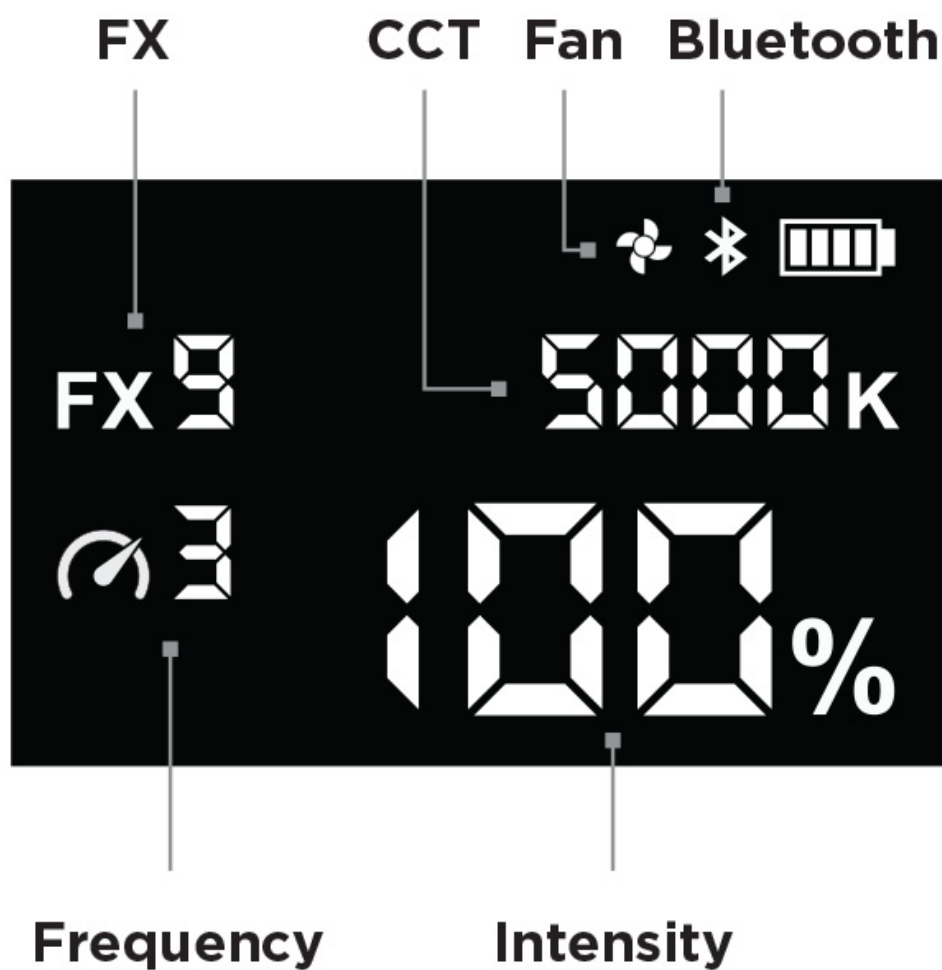
Caution

- **IMPORTANT:** The physical surface temperatures of the COB LED and select components will increase during use. Please use caution and avoid direct skin contact with the COB LED, surrounding metal components, and accessories after immediate use to avoid serious injury.
- Use only with the Westcott L120-B AC Power Adapter and Cord, the L120-B D-Tap to 2-Pin Power Cable, and 14.4/14.8V D-Tap Batteries.
- Never leave unsecured and unattended equipment 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.
- Do not overtighten the tilter bracket or any tension knobs.
- Ensure the L120-B is securely mounted before use.
- Only use compatible modifiers and accessories.
- Do not attempt to modify any Westcott products. Contact Westcott for any assistance.
- The operating temperature range is 14-104°F(-10-40°C).

L120-B COB: Overview



L120-B COB: LCD Display



L120-B COB: Getting Started

AC Power Operation

1. Connect the AC cable to the AC power adapter.
2. Plug the two-prong connector of the cable into a wall outlet.
3. Locate the 2-Pin Power Cable on the AC cable and plug it into the L120-B power port.
4. Ensure that the protective cover has been removed from the front of the L120-B by sliding the modifier release toward the rear of the unit and turn the cover counterclockwise.
5. Turn the COB ON by pressing and holding the **Power•Fan** button.

NOTE: The fan can be disabled by pressing the **Power•Fan** button once, reducing the maximum output of the L120-B to 30%. Press the **Power•Fan** button again to reenable the fan.

DC Power Operation

D-Tap Battery

1. Ensure the D-Tap battery has been fully charged.
2. Plug the L120-B D-Tap to 2-Pin Power Cable into the battery's D-Tap port.
3. Plug the 2 Pin Power Cable into the L120-B power port.
4. Turn the COB ON by pressing and holding the **Power•Fan** button until the unit powers on.

NOTE: The L120-B D-Tap to 2-Pin Power Cable and D-Tap batteries are sold separately.

NOTE: When using the MV95 Mini V-Mount battery, the maximum output of the L120-B will be 80%.

L120-B COB: Tilter Bracket

Mounting the Tilter Bracket

1. Locate both the L120-B and the included tilter bracket.
2. Line up the tilter bracket's recessed track to the protruding track located directly beneath the front face of the L120-B.
3. Once properly aligned, gently slide the tilter bracket onto the L120-B until you hear a click.
4. The tilter bracket is now fully secured to the L120-B

Removing the Tilter Bracket

1. Locate the tilter bracket release button located directly above the umbrella receptacle.
2. While supporting the L120-B with one hand, press the release button while sliding the unit backwards until the L120-B completely disengages from the tilter bracket.

L120-B COB: Mounting

Mounting to a Light Stand

1. Rotate the L120-B's light stand tension knob counterclockwise to loosen. Do not completely remove.
2. Insert the light stand spigot into the L120-B's 5/8"-16 mm yoke receiver.
3. Tighten the tension knob to secure the COB to the light stand.

L120-B COB: Attaching & Removing Modifiers

Connecting a Modifier

1. Ensure that the protective cover has been removed from the front of the L120-B by sliding the modifier release toward the rear of the unit and turn the protective cover counterclockwise.
2. Ensure the COB is turned **OFF** and has cooled for five minutes.
3. Grasp the modifier and align the three square mounting blocks with the adapter openings located on the face of the COB.
4. Insert the modifier and gently turn clockwise until it locks into place.

Removing a Modifier

1. Ensure the COB is turned **OFF** and has cooled for five minutes.
2. Securely grasp the modifier.
3. Slide the COB's modifier release away from the modifier.
4. Rotate the modifier counterclockwise until the three square mounting blocks align with the openings. Pull the modifier away from the COB to remove.
5. Reinstall the protective cover to protect the COB during storage and transport.

NOTE: Use caution when removing modifiers to avoid damaging the COB. Never force entry or removal of modifiers.

L120-B COB: Controls

Adjusting the Light Output

1. Ensure that the L120-B is *ON*.
2. Rotate the **Dim•Bluetooth** control knob to adjust the intensity.

Adjusting the Color Temperature (Kelvin)

1. Ensure that the L120-B is *ON*.
2. Rotate the **CCT•FX** control knob to adjust the color temperature.

Enabling and Adjusting the Visual FX

1. Ensure that the L120-B is *ON*.
2. Quick press the **CCT•FX** control knob to enable the FX functionality.

3. Rotate the **CCT•FX** control knob to select the desired FX.
4. Quick press the **CCT•FX** control knob again to change the frequency of the FX.
5. Rotate the **CCT•FX** control knob to select the desired frequency.
6. Exit FX Mode by pressing the **CCT•FX** and rotate the knob counterclockwise until *FX []* is displayed.

FX Options

- FX0 [*Constant Brightness*]
- FX1 [*TV*]
- FX2 [*Faulty Bulb*]
- FX3 [*Lightning*]
- FX4 [*Fire*]
- FX5 [*Pulse*]
- FX6 [*Paparazzi*]
- FX7 [*Headlight*]
- FX8 [*SOS*]
- FX9 [*Emergency*]

Enabling Bluetooth®

1. Ensure that the L120-B is *ON*.
2. Quick press the **Dim•Bluetooth** control knob to turn Bluetooth® *ON*.

L120-B COB: Wireless Control

Connecting a Light

1. Download the Westcott StudioLink app via the Apple App Store or Google Play Store.
2. Ensure that the L120-B is *ON*.
3. Open the Westcott StudioLink mobile app.
4. Select the *LED Controls* icon.
5. Quick press the **Dim•Bluetooth** control knob to turn Bluetooth® on and the symbol will appear on the back of the L120-B.
6. Long-press the **DIM•Bluetooth** control knob until the Bluetooth® logo appears to blink on the L120-B screen; this will make the L120-B discoverable via the Westcott StudioLink app.
7. Select *Add a Light or Group*.
8. Tap on the *Add a Light* option.
9. Find your device listed in the *Unpaired Devices* section.
10. Tap on the L120-B device you want to connect.
11. Once connected, the app will redirect you to the My Scene menu.

Connecting Multiple Lights

1. Follow the same steps found in the *Connecting a Light* section.
2. When multiple lights are displayed in the Pairing Menu, select them one at a time to connect.
3. When there are no longer any lights in the Unpaired Devices section, return to the My Scene menu.
4. All connected lights will be displayed, and you will have full control over your L120-B lights.

Removing a Light

1. Option #1:

- a. To remove a light from the Westcott StudioLink App, swipe left on the light you would like to remove.
 - b. A red *trash can* icon will appear to the right of the selected light.
 - c. Tap the *trash can* icon, and a message will appear asking, “Are you sure you want to delete?”
 - d. Select *Delete*. The light is now removed from the Westcott StudioLink App.
2. Option #2:
 - a. Tap the corresponding three white dots on the right side of the screen.
 - b. A drop-down menu will appear, select *Delete Light*.
 - c. A message will appear asking “Are you sure you want to delete?”
 - d. Tap *Delete*. The light will then be removed from the Westcott StudioLink App.

Renaming a Light

1. To rename a light, tap on the corresponding three white dots on the right side of the screen.
2. Select *Light Controls*.
3. Once in the Light Controls Menu, press and hold down on the L120-B title at the top of the Light Controls Menu.
4. Rename your light.
5. Return to the My Scene Menu, and the new light name will be displayed.

L120-B COB: Firmware Updates

Installing the Firmware

1. Download the Westcott StudioLink app via the Apple Appstore or Google Play Store.
2. Ensure that the L120-B is on.
3. Open the Westcott StudioLink mobile app.
4. Select the *LED Controls* icon.
5. Quick press the **Dim•Bluetooth** control knob to turn Bluetooth® on and the symbol will appear on the L120-B display.
6. Long-press the **DIM•Bluetooth** Control Knob until the Bluetooth® logo blinks on the L120-B screen. This will make the L120-B discoverable via the Westcott StudioLink App.
7. Select the *Add a Light or Group* icon.
8. Tap on the *Add a Light* option.
9. Find your device listed in the *Unpaired Devices* section.
10. Tap on the L120-B you would like to connect to.
11. Once connected, the app will redirect you to the My Scene menu.
12. Long-press the **CCT•FX** button on the L120-B for 10 seconds. After the allotted time has passed, the L120-B will display the current firmware version number and a loading circle.
13. Select *Firmware Update* at the bottom of the My Scene menu.
14. In the *Firmware Update* menu, select the L120-B that is connected.
15. The next menu will display SELECT FIRMWARE.
16. Select the newest firmware version number.
17. Select Update from the next pop-up screen.
18. The firmware installation process will begin.
19. Once the L120-B firmware installation process is completed, the COB will restart and return to the main display screen.
20. Press *OK* in the Westcott StudioLink App to complete the firmware update.
21. Reconnect your L120-B COB via Bluetooth® after it restarts, utilizing the steps in the section [“Connecting a Light.”](#)

Important Firmware Details

- It's recommended that the firmware update installation process be completed only when the connected mobile device's power level is $\geq 50\%$ and the L120-B is operating via AC power. Loss of power of any type during this process could render the L120-B inoperable and require professional repair.
- If your device should freeze or the firmware does not load correctly, unplug the L120-B from the power supply. Plug the power supply back into your L120-B again and start the firmware update process again.

L120-B COB: Technical Specifications

L120-B: COB	
Maximum Power Consumption (Watts)	Up to 132W
Intensity Range	0 - 100%
Color Temperature Range	2700 - 6500K
CRI	Up to 98
TLCI	Up to 99
SSI	Up to 92
L120-B: AC Power Input	
AC Requirement	100 to 240 VAC, 50 / 60 Hz 1A max
Voltage	15V
Output Current	6A Max
AC Operating Temperature	14° to 104° F / -10° to 40° C
L120-B: DC Power Input	
Input Range	12-24V, 5.5A max
Power Cable Length	14.76' (4.5 m)
AC Connection Point Type	2 Pin Power Cable
L120-B: General	
Modifier Mount Type	Bowens
Display	LCD Display
Fan Cooled	Active Cooling Fans
Firmware	Over the Air (mobile app required)
Auto Memory Recall	Yes
Auto-Power Off	No
L120-B: Dimensions & Weight	
Weight (Reflector)	2.63lbs (1.19kg)
Length	5.1in (12.95cm)
Height	5.1in (12.95cm)
Diameter	7 in (17.78cm)
Operating Temp	14° to 104° F / -10° to 40° C

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 release 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" before 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-quality standards 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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