



# PAYLOAD & SPOTLIGHT SYSTEMS FOR YUNEEC H520 & H520E

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700-YPS | 700-YSS

PRODUCT MANUAL

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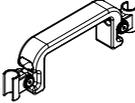
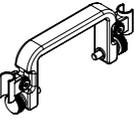
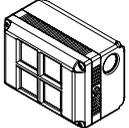
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# YUNEEC SYSTEMS

	PAYLOAD MOUNT	SPOTLIGHT MOUNT	MANUAL PAYLOAD SYSTEM	D100°
<p>PAYLOAD DELIVERY SYSTEM FOR YUNEEC 5520 &amp;520E</p> <p>P/N 700-YPS</p>		...		...
<p>SPOTLIGHT SYSTEM FOR YUNEEC 5520 &amp;520E</p> <p>P/N 700-YPS</p>	...		...	

## ITEMS INCLUDED

### P/N 700-YPS

-  P/N 640-100: Manual Payload Delivery System
-  P/N 85-055: Payload Mount

### P/N 700-YSS

-  P/N 700-340: D100 Drone Spotlight°
-  P/N 85-054: D100° Mount
-  P/N 600-155: Battery Charger
-  P/N 70-18650T: Rechargeable 18650 Li-Ion Battery

# PHYSICAL CHARACTERISTICS

	DIMENSIONS	WEIGHT
Payload Mount	6.41 x 0.88 x 1.88 in (162.8 x 22.3 x 47.7 mm)	1.18 oz (33.4 g)
D100® Mount	6.41 x 0.75 x 2.5 in (162.8 x 19 x 63.5 mm)	1.17 oz (33.2 g)
D100 Drone Spotlight®	3.46 x 2.01 x 2.44 in (88 x 51 x 62 mm)	8.92 oz (346.6 g)

## TOTAL WEIGHT OF SYSTEMS

SYSTEM	WEIGHT
P/N 700-YPS	8.10 oz (229.7 g)
P/N 700-YSS	13.4 oz (379.8 g)

### WARNING

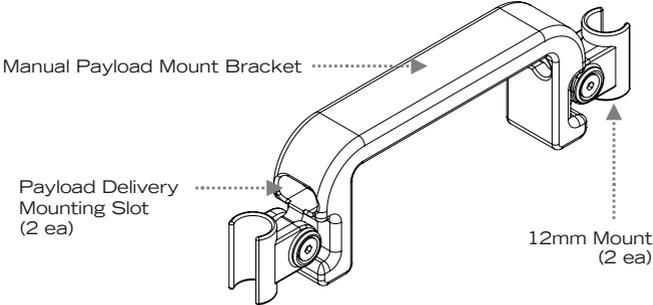


It is the responsibility of drone/UAV users to follow the FAA and global laws and regulations and/or the laws and regulations applicable to the flight location.

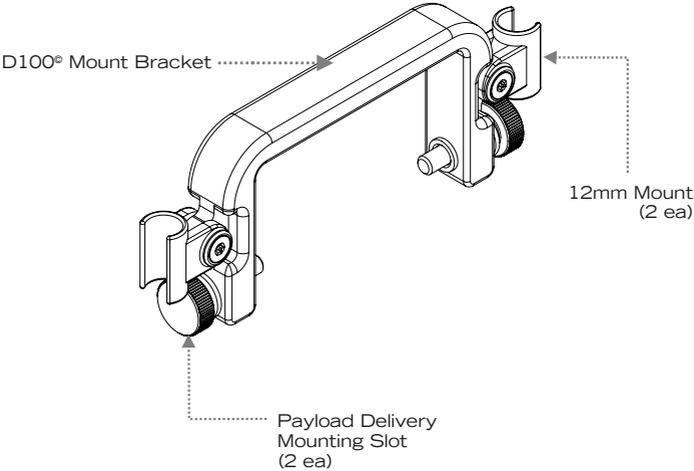
# SYSTEM FOR YUNEEC H520/H520E REFERENCE GUIDE

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## PAYLOAD MOUNT



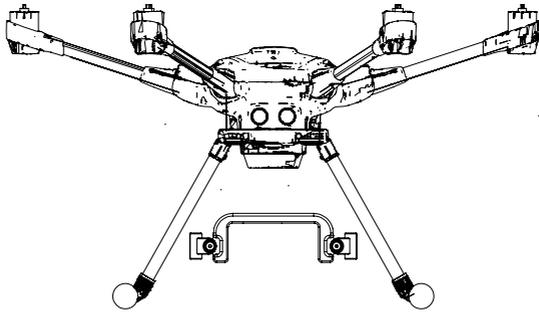
## SPOTLIGHT MOUNT



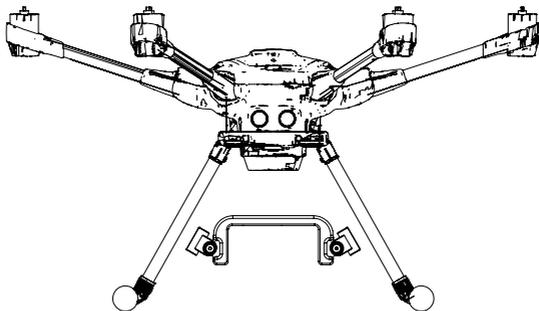
# MOUNT INSTALLATION

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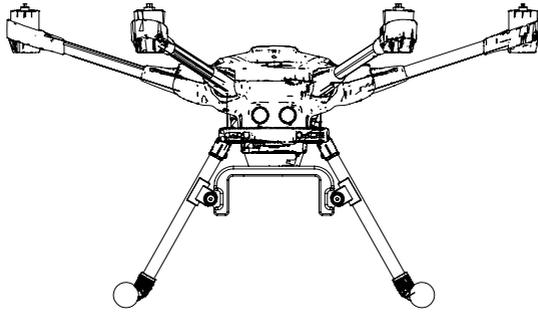
1. Install the Payload or Spotlight Mount Bracket to the drone landing gear.
  1. Position the bracket and 12mm Mount so that they are aligned under the drone landing gear.



2. Tilt the 12mm Mounts so that they match the approximate angle of the landing gear legs. Press the entire bracket upwards into position.
3. Firmly hold the 12mm Mount and press it onto the leg, snapping the mount in place. Then, move to the other 12mm Mount and repeat the previous step.



4. The Payload Mount or Spotlight Mount is now installed.



**WARNING:**

Manually test that the bracket is secure by wiggling it and making sure nothing is loose. Both 12mm Mounts should be tight, but may still have some slight acceptable movement.

# MANUAL PAYLOAD DELIVERY SYSTEM<sup>®</sup> REFERENCE GUIDE

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## WHAT'S INCLUDED

-  Payload Delivery Unit with Cross Bar
-  Handle/Cord Reel with 550 Paracord (20 ft / 6.1 m)
-  1/4 x 1 1/2 QR Pin with Ring
-  Key Ring (38 mm diameter)
-  Carabiner with Ring
-  Payload Delivery Bag

# PHYSICAL CHARACTERISTICS

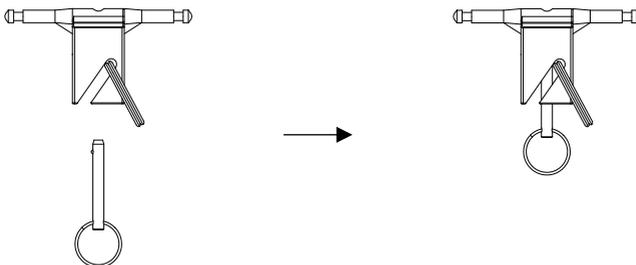
<b>WEIGHT</b>	6.92 oz (196.3 g) - fully assembled 3.56 oz (101 g) - without bag
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## WARNINGS

-  While using any FoxFury product, please operate at safe speeds.
-  It is the responsibility of drone/UAV users to follow the FAA and global laws and regulations and/or the laws and regulations applicable to the flight location.
-  If delivering with D100° installed, maximum payload is 14.1 oz (400 g).
-  If delivering without the D100° installed, maximum payload is 28.2 oz (800 g).

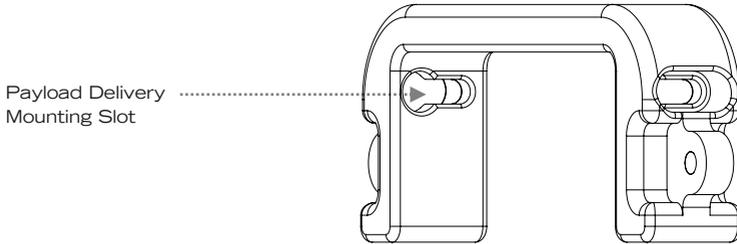
# MANUAL PAYLOAD DELIVERY SYSTEM<sup>®</sup> INSTALLATION

- ① Install Payload Mount Bracket referenced on page 6-7.
- ② Install Key Ring (38 mm Diameter) and 1/4 x 1½ QR Pin with Ring on the Payload Delivery Unit with Cross Bar if not already installed.

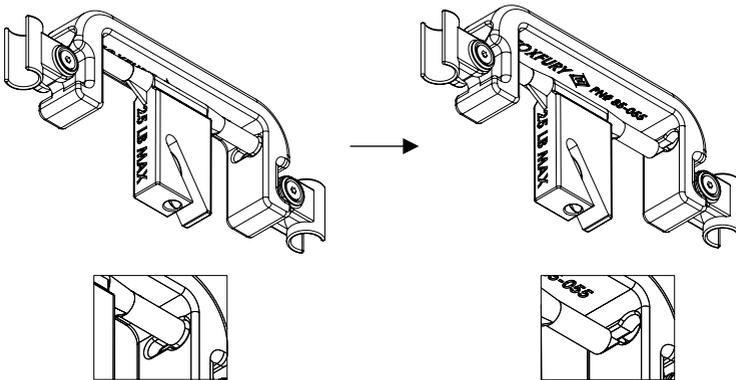


3 Install Payload Delivery Unit with Cross Bar into the bracket.

1. Locate Payload Delivery Mounting Slots.



2. Align the Cross Bar on the larger hole of the Payload Delivery Mounting Slot and slide the crossbar into the locked position of the smaller slot hole.

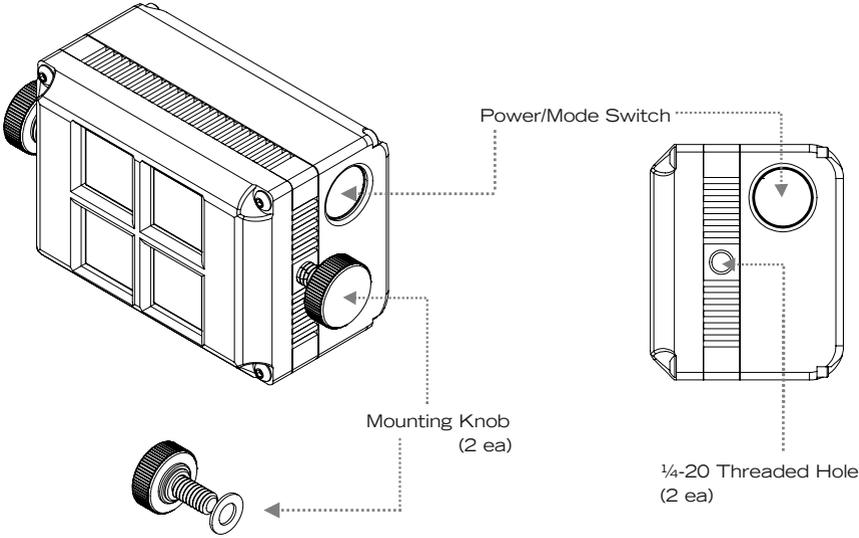


## PAYLOAD DELIVERY

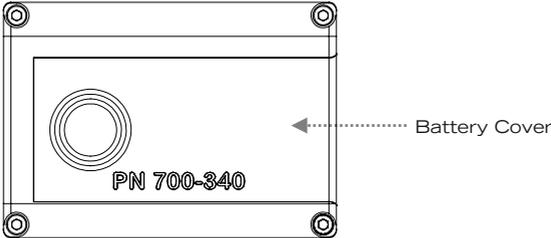
- ❏ Insert the payload inside the Payload Delivery Bag.
- ❏ Place the bag with payload behind drone, about 24 inches (61 cm) away.
- ❏ Unwind the Paracord and fly the drone.
- ❏ To release payload, simply pull on the Handle with a force of 2 - 4 lbs (0.9 - 1.8 kg). Note that this effort will translate into minimal movement on the drone.

# D100 DRONE SPOTLIGHT® REFERENCE GUIDE

## D100 DRONE SPOTLIGHT®



### Back View



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## WHAT'S INCLUDED

-  D100 Drone Spotlight®
-  Mounting Knob (2 ea)
-  18650 Lithium-Ion Battery (2 ea)
-  XTAR Battery Charger

## PHYSICAL CHARACTERISTICS

<b>DIMENSIONS</b>	3.46 x 2.03 x 2.46 in (88 x 51.5 x 62.5 mm)
<b>WEIGHT</b>	8.92 oz (253 g) 12.23 oz (346.6 g) with provided 18650 batteries

## WARNINGS

-  Please fully charge the provided 18650 batteries before using the D100® for the first time.
-  Do not stare into the LEDs for long periods of time or from close range (less than 2 ft / 0.6 m)
-  While using any FoxFury product, please operate at safe speeds.
-  It is the responsibility of drone/UAV users to follow the FAA and global laws and regulations and/or the laws and regulations applicable to the flight location.
-  The D100® will become hot to touch after 20 min of continuous use. Please handle carefully by avoiding contact with the metal heatsink.

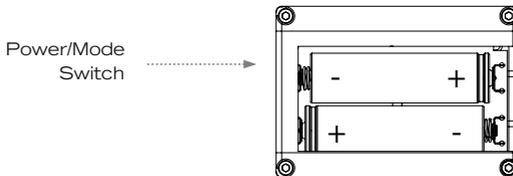
# BATTERY

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- ❖ D100® requires two (2) 18650 batteries.
- ❖ Mixing of new and used, or different brand batteries, is not recommended as this could lead to leakage or explosion.

## BATTERY INSTALLATION AND REPLACEMENT

- 1 Slide the battery cover open and insert the battery according to the plus (+) and minus (-) symbol located inside of the battery compartment.
- 2 Once batteries are installed, test the light's performance by activating the Power/Mode Switch. Slide the battery cover back on.



## CHARGING THE BATTERY

Refer to the instruction manual provided with the XTAR Battery Charger.

# OPERATIONAL MODES

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## OPERATIONAL MODES

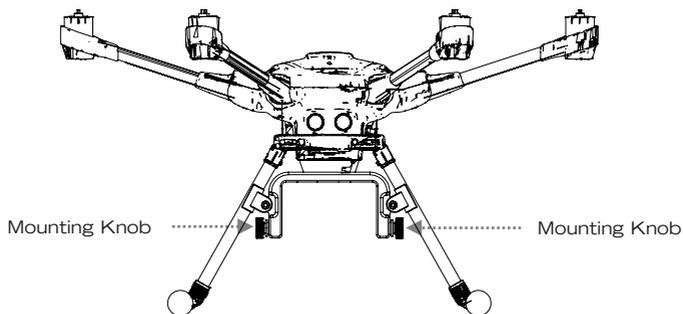
- ❖ Press and hold Power/Mode Button to turn the light ON.
- ❖ Press Power/Mode Button again to change the mode to STROBE.
- ❖ Press Power/Mode Button again to turn the light OFF.

MODE	LUMENS	BATTERY LIFE
ON	2,300	70 minutes
TURBO-STROBE	2,300	140 minutes

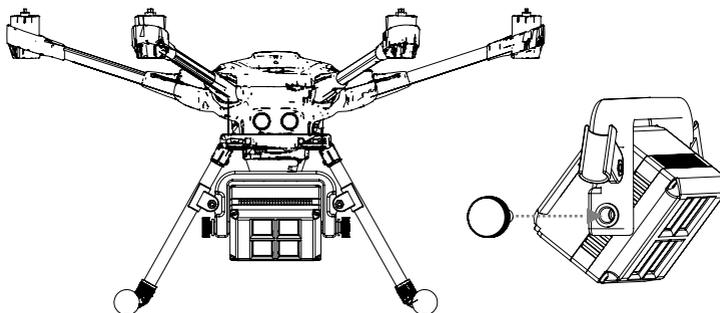
# D100<sup>®</sup> INSTALLATION

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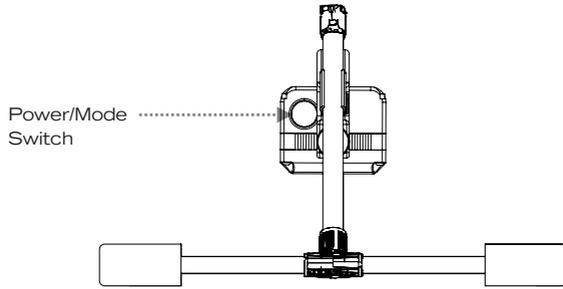
- ① Install the bracket as referenced on page 6-7.
- ② Install D100<sup>®</sup> onto the Spotlight Mount.
  1. Insert each Mounting Knob in the D100<sup>®</sup> Mounting Hole of the bracket.



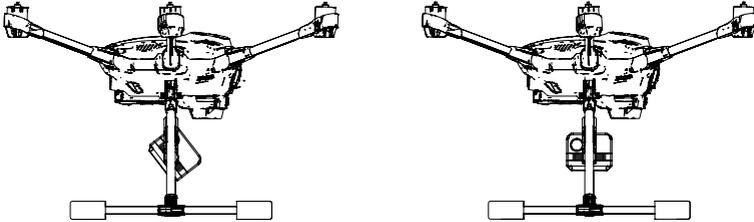
2. Align the Mounting Knobs with the 1/4-20 threaded screw holes on D100<sup>®</sup> to install D100<sup>®</sup> on the bracket.



3. Tilt D100® to easily access the Switch and turn it ON to desired mode, and turn it ON to the desired mode.



4. Adjust the tilt of D100® to desired angle and tighten the Mounting Knobs.



# WARRANTY AND OTHER INFORMATION

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## PRODUCT DURABILITY



## CARE/CLEANING

Your FoxFury product is a professional tool. Regular maintenance and care of your light will maximize performance for you. As needed, clean your FoxFury product using a soft washcloth. Do not immerse.

## ACCESSORIES

- Rechargeable 18650 Li-Ion Battery (P/N 70-18650T)
- Battery Charger (P/N 600-155)

## WARNINGS

FoxFury, LLC is not responsible for the incorrect use of any FoxFury Lighting product.

- When used for extended periods of time the D100® will become HOT to the touch. Please use care when operating.
- Lights are strong enough to cause damage to the human eye.
- Do not stare into LEDs for long periods of time or from a close range (less than 2 ft / 0.6 m).

FoxFury, LLC is not responsible for any injury or damage caused during the use of this product.

- Usage of this product must be supervised by an adult when it is being used by a minor.
- Any FoxFury product should be operated at speeds safe enough to maneuver around surrounding obstacles.
- Do not use under the influence of drugs or alcohol.

## ONE YEAR WARRANTY

FoxFury, LLC ("FoxFury") warrants this product to be free from defects in material for one year after purchase. Li-Ion batteries have a one year pro-rated or 500 re-charge cycle pro-rated warranty, whichever the user reaches first.

This warranty is given only to the original end user of the accompanying product. If you purchased a product from someone other than an authorized FoxFury reseller/distributor or if the product was used, (including but not limited to demo models, show models or refurbished product by someone other than FoxFury) prior to your purchase, you are not the Original Purchaser and the product that you purchased is not covered by this warranty. This warranty is VOID if this Product has been altered or modified in any way (including but not limited to attempted warranty repair without authorization from FoxFury and/or alteration/removal of the serial number). To expedite warranty concerns, we encourage the end user to register their FoxFury Product at

[www.foxfury.com/pages/warrantyregistration](http://www.foxfury.com/pages/warrantyregistration).

THIS IS THE ONLY WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES ARE EXPRESSLY DISCLAIMED EXCEPT WHERE SUCH LIMITATION IS PROHIBITED BY LAW.

You may have other specific legal rights which vary by jurisdiction. Go to [www.foxfury.com/pages/warranty](http://www.foxfury.com/pages/warranty) for a complete copy of the warranty. Retain your receipt for proof of purchase.

## CONTACT FOXFURY

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**Tel:** 760.945.4231

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**Web:** [FoxFury.com](http://FoxFury.com)

All FoxFury products are designed in Oceanside, CA. All FoxFury products are manufactured with the highest quality USA and foreign parts. Products are assembled in either FoxFury's controlled plant in Asia or the USA, under strict quality control.

## CALIFORNIA PROPOSITION 65

This product can expose you to chemicals including Lead and DEHP, which are known to the State of

California to cause cancer and birth defects or other reproductive harm.

For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

