

The background is a light gray gradient. It is decorated with several realistic water droplets of various sizes, some clustered in the top left and bottom right corners. A faint, large circular pattern, resembling a ripple or a lens flare, is centered in the upper half of the image.

# POP UP FLASH

TONY WRIGHT

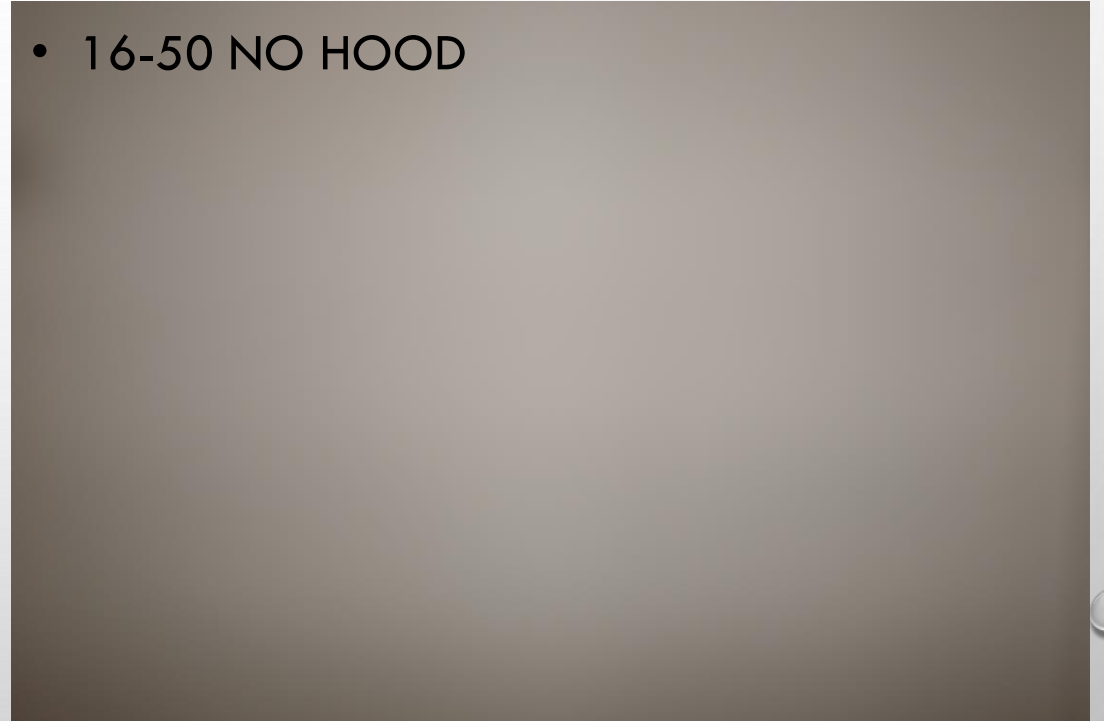
JUNE 2020

# TEST FOR CUT OFF

- 16-50 LENS WITH NON OEM HOOD



- 16-50 NO HOOD



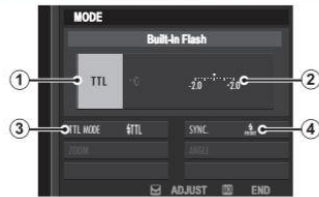
# TRY A DIFFUSER



# READ THE CAMERA MANUAL

## BUILT-IN FLASH

The following options are available with the built-in flash.

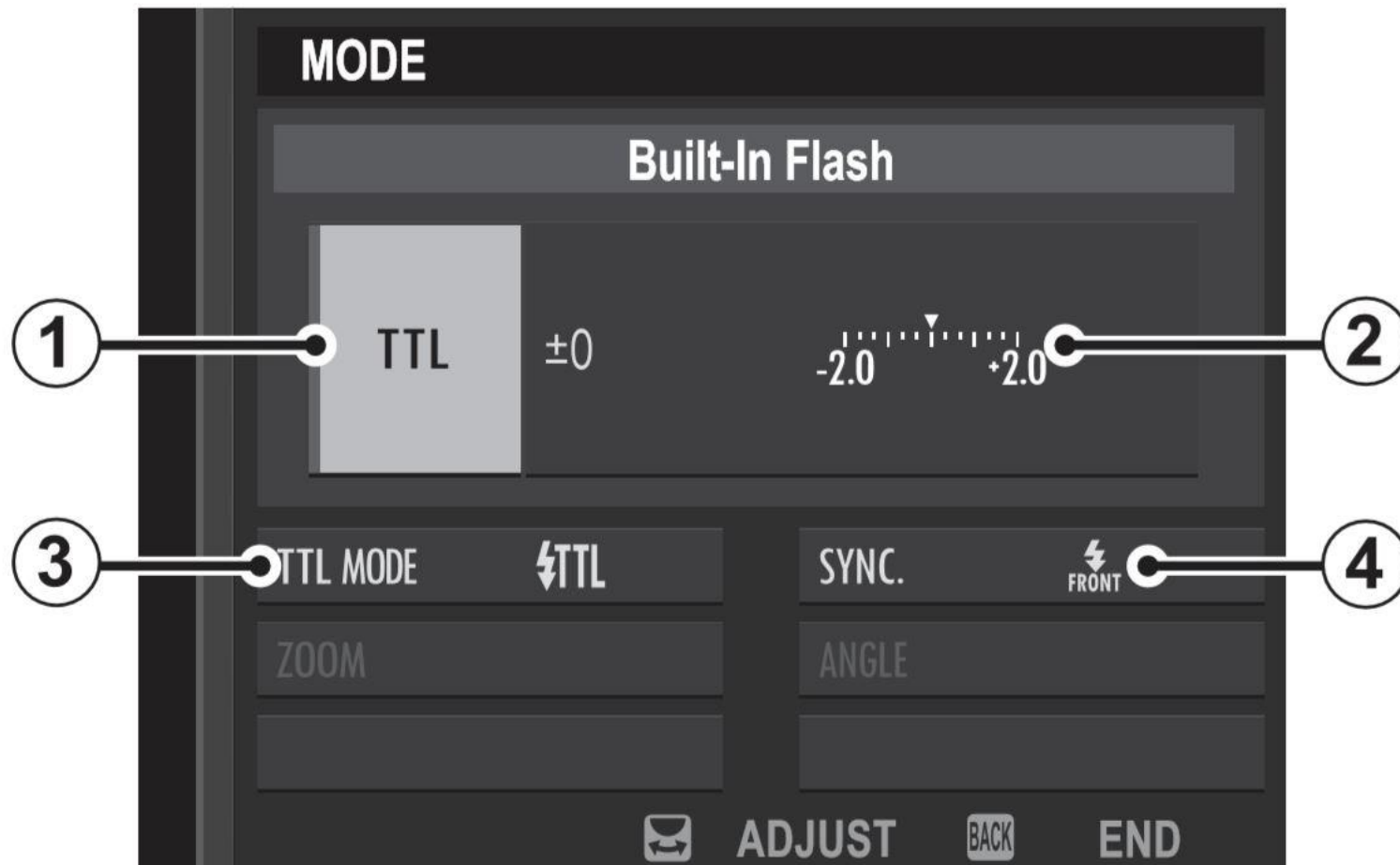


Setting	Description
① Flash control mode	<p>Choose from the following options:</p> <ul style="list-style-type: none"><li>• <b>TTL</b>: TTL mode. Adjust flash compensation (②) and choose a flash mode (③).</li><li>• <b>M</b>: The flash fires at the selected output (②) regardless of subject brightness or camera settings. Output is expressed in fractions of full power, from 1/1 to 1/64. The desired results may not be achieved at low values if they exceed the limits of the flash control system; take a test shot and check the results.</li><li>• <b>COMMANDER</b>: Choose if the flash is being used to control remote synced flash units, for example as part of a studio flash system.</li><li>• <b>OFF</b>: The flash does not fire.</li></ul>
② Flash compensation/output	<p>Adjust flash level. The options available vary with the flash control mode (①).</p>

## External Flash Units

Setting	Description
③ Flash mode (TTL)	<p>Choose a flash mode for TTL flash control. The options available vary with the shooting mode (<b>P</b>, <b>S</b>, <b>A</b>, or <b>M</b>) selected.</p> <ul style="list-style-type: none"><li>• <b>FLASH AUTO</b>: The flash fires only as required; flash level is adjusted according to subject brightness. A  icon displayed when the shutter button is pressed halfway indicates that the flash will fire when the photo is taken.</li><li>• <b>STANDARD</b>: The flash fires with every shot if possible; flash level is adjusted according to subject brightness. The flash will not fire if not fully charged when the shutter is released.</li><li>• <b>SLOW SYNC.</b>: Combine the flash with slow shutter speeds when photographing portrait subjects against a backdrop of night scenery. The flash will not fire if not fully charged when the shutter is released.</li></ul>
④ Sync	<p>Choose whether the flash is timed to fire immediately after the shutter opens (<b>FRONT/1ST CURTAIN</b>) or immediately before it closes (<b>REAR/2ND CURTAIN</b>). <b>1ST CURTAIN</b> is recommended in most circumstances.</p>

# APPLY YOUR SETTINGS



# XT-20 LIMITATIONS

- TTL 1/30 TO 1/180
- SLOW TTL B TO 1/180



# HOW POWERFUL IS YOUR FLASH?



ISO 800  
F/3.5  
1/30 sec

# COMPLIMENTING ROOM LIGHTING



No Flash



With Flash



# BACKLIGHTING ON LENNY



No Flash



With Flash

# BALANCING WITHOUT SUN ISO 200, 1/180, F/3.5



No Flash



With Flash



# BALANCING WITH SUN ISO 200, 1/180, F/5.6



No Flash



With Flash

# EVENING OUT THE LIGHT



No Flash



With Flash



# IN THE GARDEN IN SUNLIGHT



No Flash



With Flash



# IN THE GARDEN IN SHADE



No Flash



With Flash



# NO FLASH/FULL EXPOSURE COMPENSATION



No Flash



With Full Flash

# ONE STOP LESS FLASH EXPOSURE COMPENSATION



No Flash



With -1EV Flash