remote control transmitter

RC-16-T

angler™

Introduction

The Angler RC-16 wireless system allows you to control all compatible monolights and strobes from one convenient location with a reliable, easy-to-use controller.

The RC-16 is perfect to speed up and simplify your workflow. Whether you shoot with a single off-camera flash, or in a large studio comprising several complex lighting setups, you'll immediately notice the advantage of being able to adjust your lighting without the need to maneuver into crowded, hard-to-reach places.

You can adjust the power level of each flash or group of flashes in 1/10th-stop increments, as well as controlling modeling lamps or AF-assist lamps, turning alert sounds on or off, and test firing and triggering your entire lighting setup, all from a central location. The RC-16 also employs 16 channels to prevent interference and false triggers, along with the ability to address 16 separate groups for optimal control over your lighting.

You may even find that this convenience makes you freer to experiment with new ideas and styles. You'll discover new ways to use your lighting to bring out your very best work.

Note: All flashes that you wish to control from the RC-16-T Transmitter should be equipped with an Angler RC-16-R Receiver. Additional flashes can be triggered via their optical slave function if available.

Precautions

Before using this product, please read the following safety instructions carefully in order to ensure your safety and the proper operation of the RC-16 system. Failure to observe these precautions could result in product malfunction, fire or explosion, electric shock or other physical injury.

- **Do not disassemble or modify.** Should the product break open due to accidental damage, remove the batteries and send it to an authorized repair center.
- **Keep dry.** Do not handle with wet hands, immerse in water, or expose to rain or snow.
- **Do not use in the presence of flammable gases.**
- **Keep out of reach of children.** This product contains small parts that may pose a choking hazard. Should a child swallow any part of this product, consult a physician immediately.
- **Turn off the transmitter or receiver immediately should a malfunction occur.** Should smoke or any unusual smell come from this product, shut it off and remove the batteries immediately. Send it to an authorized repair facility for service. Continued use may result in physical injury.
- **Do not expose to high temperature.** Do not leave product in a closed vehicle in the sun or other areas subject to extremely high temperature.
- **Keep away from strong magnetic fields.** Strong static or magnetic fields produced by devices such as cell phones and radios may lead to malfunction.

- **Observe precautions when handling batteries.** Batteries may leak or explode if improperly handled.
  Please observe the following precautions when using batteries with this product.
  - o Use only batteries listed in this manual. Do not mix new and old batteries, or different brand batteries.
  - o Read and follow all warnings and instructions provided by the battery manufacturer.
  - o Do not attempt to short-circuit or disassemble batteries.
  - o Do not put batteries in a fire or apply direct heat to them.
  - o Do not attempt to install batteries in the reverse direction.
  - o Batteries may leak when fully discharged. To avoid damage to the product, be sure to remove the batteries if the product will not be used for an extended period of time, or if the battery power is low.
  - o Should fluid from damaged batteries come into contact with skin or clothing, rinse immediately with fresh water.

Features

- 16 channels
- Up to 16 groups
- 433 MHz
- Effective range 150' (50 m)
- Raise or lower flash power
- Model or AF Assist light On/Off
- Audio alert On/Off
- Test flash (triggers all groups)

Note: All flashes that you wish to control from the RC-16 Transmitter must be equipped with a RC-16 Receiver. Additional flashes may be triggered using their optical slave function if available.

Using the RC-16

Installing Batteries in the Transmitter
1. Remove battery cover from unit.
2. Insert two AA batteries in the proper orientations.
3. Replace battery cover.

Mounting the RC-16-T Transmitter
1. Rotate the locking wheel counterclockwise on the transmitter until it is in the fully open position.
2. Slide the unit's hot shoe foot all the way into your camera's hot shoe.
3. Tighten the locking wheel until the transmitter is secure.

You can also connect a PC cord from your camera to the unit's 3.5mm mini sync socket.

Mounting the RC-16-R Receiver
1. Flip up the USB connector on the RC-16-R Receiver.
2. Plug it into the USB port on your compatible flash or monolight.

The receiver is powered from the USB port, so no battery or external power is required. The receiver has no On/Off switch. As soon as it is set and plugged in to an active, compatible flash or monolight, it will automatically begin to function.

Turning On the RC-16-T Transmitter
To turn on the transmitter, slide the power switch to the On position.

Setting the Channel
The RC-16 has 16 channels available for use. This allows you to avoid interference with other devices or photographers in a

busy work environment, with each photographer operating on a different channel.

To select the channel, use the DIP switches on the front panel of the transmitter and receiver as shown on the included DIP switch configuration chart.

Note: Make sure the transmitter and receiver are set to the same channel.

Selecting the Group

A group can consist of just one flash up to any number of flashes you wish. The Group function allows you to adjust settings on specific flashes or groups of flashes from one location, without having to go to each flash and make those adjustments individually. Group-specific controls are raising and lowering the power, turning the sound on or off, and turning the modeling/AF assist light on or off.

To choose the group you want to adjust, use the Group Select dial on the transmitter and the receiver.

Note: Make sure the transmitter and receiver are set to the same group.

Using the RC-16

Adjusting Power Output
Use the + and - buttons to adjust the power of the selected group up or down.

Note: The transmitter's display can be switched from displaying power output in decimals (usually used for monolights) to fractions (usually used for flashes). To change this setting, press and hold the Set button until the display switches.

When the display is set to decimals, the power adjustments will be in 1/10th-stop increments. When set to fractions, the adjustments will be in 1/3rd-stop increments.

Audio Confirmation
Use the Audio button to turn audio confirmation on or off for all the flashes in the selected group.

The Lamp Button
Use the Lamp button to turn the Modeling or AF-Assist Light (depending on your device) on or off for all the flashes in the selected group.

Firing a Test
Press the Test button to test fire all flashes in all groups.

Turning Off a Group
To turn off a group, use the - button to turn its power down all the way. The display will indicate OF.

Note: After changing any settings, whether on the RC-16 or on any connected flashes, press the SET button

to confirm and sync all settings. Changes made to flash settings will be reflected on the RC-16-T display, as well as on each flash's display.

The RC-16-T can also be used as a handheld central remote controller to adjust the settings on all your compatible lights, even if you use a different method to trigger them, e.g., a sync cord or Pocket Wizard.

Troubleshooting

1. Unable to trigger a flash by pressing the TEST button or the camera's shutter release.

   - Make sure the batteries are installed properly and the transmitter is powered on.
   - Check the DIP switches to see that the transmitter and receiver are set to the same channel.
   - Check if the transmitter is firmly seated in the camera's hot shoe.

2. Signal disturbance or shooting interference. (Monolights not firing or firing irregularly.)

   - Try using a different channel.

3. Reduced operating range, or monolights not firing.

   - Check if batteries in transmitter are drained. Try replacing with fresh ones.

4. Flashes not responding to adjustments made on transmitter.

   - Check that transmitter and receiver are set to the same channel.
   - Check that the transmitter and receiver are set to the same group.

Specifications

Transmitter power	2 AA batteries
Receiver power	USB 5 V
Transmitter frequency	433 MHz
Effective range	Approx. 150′ (50 m)
Controls (for each group)	Raise and lower flash power
	Model light/AF Assist on/off
	Audio Alert on/off
Control (for all groups)	Test Fire
Max. sync speed	1/250 sec.
No. of channels	16
Groups per channel	16
Weight	
Transmitter (w/o batteries)	2.3 oz. (65 g)
Receiver	0.7 oz. (20 g)
Dimensions	
Transmitter body	3.75″ × 2″ × 1.5″ (95 × 50 × 37 mm)
Transmitter body w/antenna	5.4″ × 2″ × 1.5″ (137 × 50 × 37 mm)
Receiver	2.2″ × 1.2″ × 1″ (57 × 30 × 26.5 mm)

Warranty

This Angler product is warranted to the original purchaser to be free from defects in materials and workmanship under normal consumer use for a period of one (1) year from the original purchase date or thirty (30) days after replacement, whichever occurs later. The warranty provider's responsibility with respect to this limited warranty shall be limited solely to repair or replacement, at the provider's discretion, of any product that fails during normal use of this product in its intended manner and in its intended environment. Inoperability of the product or part(s) shall be determined by the warranty provider. If the product has been discontinued, the warranty provider reserves the right to replace it with a model of equivalent quality and function.

This warranty does not cover damage or defect caused by misuse, neglect, accident, alteration, abuse, improper installation or maintenance. EXCEPT AS PROVIDED HEREIN, THE WARRANTY PROVIDER MAKES NEITHER ANY EXPRESS WARRANTIES NOR ANY IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. This warranty provides you with specific legal rights, and you may also have additional rights that vary from state to state.

To obtain warranty coverage, contact the Angler Customer Service Department to obtain a return merchandise authorization ("RMA") number, and return the defective product to Angler along with the RMA

number and proof of purchase. Shipment of the defective product is at the purchaser's own risk and expense.
For more information or to arrange service, visit www.anglerlights.com or call Customer Service at 212-594-2353.

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