

# **FCC Part 15 Subpart C Certification**

## **Test Report**

**FCC ID: OUERFT1TX**

**FCC Rule Part: 15.231**

**ACS Report Number: 06-0488-15C**

Manufacturer: Paul C. Buff Inc.  
Model: RFT1TX

## **User's Manual**



# RADIO FLASH TRIGGER ONE a PAUL C. BUFF product

If you have any questions, please call us toll free at 1-800-443-5542 or 1-877-714-3381, or call us locally at 615-383-3982.

## The RFT1TX Radio Flash Trigger One TRANSMITTER

includes the hot shoe-mount radio flash trigger and a short sync cord (2.5mm mono plug to PC-connection, connecting from the transmitter to your camera's PC sync outlet if your camera does not have a suitable center-contact hot shoe)



transmitter (top view)



transmitter (bottom view)



transmitter sync cord



sync cord connected



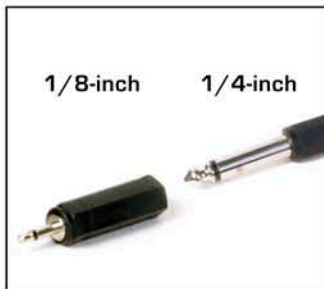
hot shoe-mounted

## The RFT1RX Radio Flash Trigger One RECEIVER

includes the pass-through-power receiver with power cord (attached), 1/4-inch mono plug sync cord (attached, for use with White Lightning units) and a 1/4-inch to 1/8-inch sync cord adaptor (for use with AlienBees units)



receiver (with attached power cord and 1/4-inch sync cord)



sync cord adaptor

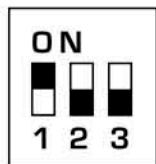


flash unit power cord in

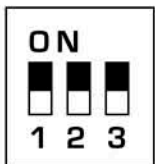
The RFT1 Radio Flash Trigger System allows you to wirelessly fire all of the flash units in your setup (White Lightning and/or AlienBees units) with an easy-to-use trigger having an 80 to 150-foot typical range, depending on obstacles such as walls, etc., without requiring line-of-sight. Follow the steps below to connect and sync your flash trigger.

### STEP ONE: Selecting the Transmitter Control Channel

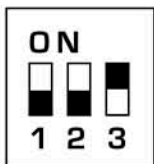
Locate the three sliding DIP switches on the rear panel of the RFT1TX Transmitter. By sliding the switches up and down, you select and set the channel. There are eight channels and eight corresponding DIP switch positions.



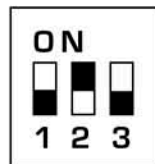
**Channel 1**  
switch 1 - up  
switch 2 - down  
switch 3 - down



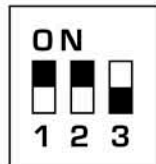
**Channel 3**  
switch 1 - up  
switch 2 - up  
switch 3 - up



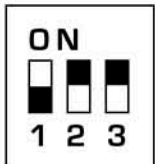
**Channel 5**  
switch 1 - down  
switch 2 - down  
switch 3 - up



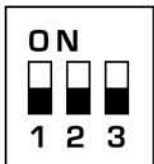
**Channel 7**  
switch 1 - down  
switch 2 - up  
switch 3 - down



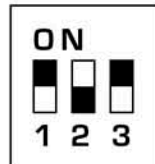
**Channel 2**  
switch 1 - up  
switch 2 - up  
switch 3 - down



**Channel 4**  
switch 1 - down  
switch 2 - up  
switch 3 - up



**Channel 6**  
switch 1 - down  
switch 2 - down  
switch 3 - down



**Channel 8**  
switch 1 - up  
switch 2 - down  
switch 3 - up

## STEP TWO: Connect the Receiver[s]

The AC-operated receiver uses a pass-through-power cord to share a single power source with the connected flash unit, eliminating excess wires.

1. Locate the receiver's **attached power cord** and plug it in to the power cord outlet on the back control panel of your flash unit.
2. Locate the receiver's **attached sync cord**. This cord has a 1/4-inch mono plug connection for use with White Lightning units. If you are using a **White Lightning flash unit**, plug the sync cord into the 1/4-inch sync jack located on the back control panel of your flash unit. If you are using an **AlienBees flash unit**, you will need to use the provided 1/4-inch to 1/8-inch adaptor. Connect the adaptor to the mono plug and plug the sync cord into the 1/8-inch sync jack located on the back control panel of your flash unit. With the cords connected, the receiver will hang from the flash unit.
3. Take your **flash unit power cord** and plug it into the pass-through-power outlet on the RFT1RX receiver. You may then connect the cord to your AC power source.
4. You can now **turn the flash unit ON**. If the receiver and flash unit are properly connected and receiving power, the **green "Ready" LED** on the back panel of the flash unit will shine and the **top green LED** on the receiver will shine indicating that power is present. *If you are using multiple receivers on multiple flash units, repeat these steps with each receiver/unit.*

## STEP THREE: Program the Control Channel

As the RFT1 is an eight-channel wireless system, you will need to set your transmitter and receiver[s] to the same control channel before using the system. The eight-channel system allows you to select a unique channel for your setup, eliminating interference from other photographers who might be using similar radio equipment.

1. Hold down the **red "Reset" button** on the receiver, then press the **"Test" button** on the transmitter. Release both simultaneously.
2. Press the **black "Test" button** on the transmitter once more. This should cause the flash unit to fire and should cause the **bottom red LED** on the receiver to shine - this indicates a successfully learned control channel. The red LED on the receiver will shine each time a cue is received from the transmitter. *If you are using multiple receivers on multiple flash units, repeat these steps with each receiver/unit.*

## STEP FOUR: Connect the Transmitter

Mount the transmitter on your camera's hot shoe mount and turn your camera on. If your camera does not have a hot shoe, you can connect the transmitter to your camera with the provided sync cord. This miniplug-to-PC sync cord plugs into the sync jack on the side of the transmitter and into your camera's PC outlet. *Note: It is not necessary to connect this sync cord if you are using the hot shoe mounting option.*

---

**Warning:** Changes or modifications to this device not expressly approved by PAUL C. BUFF could void the user's authority to operate the equipment. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

**NOTE:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help."

The term "IC:" before the radio certification number only signifies that Industry Canada technical specifications were met. This Class B digital apparatus meets all requirements of the Canadian Interference Causing Equipment Regulations. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Cet appareillage numérique de la classe B répond à toutes les exigences de l'interférence canadienne causant des règlements d'équipement. L'opération est sujette aux deux conditions suivantes: (1) ce dispositif peut ne pas causer l'interférence nocive, et (2) ce dispositif doit accepter n'importe quelle interférence reçue, y compris l'interférence qui peut causer l'opération peu désirée.