

FREEWAVE FLASH TRIGGER LR USER MANUAL



INTRODUCTION

Thank you for choosing Vello.

The Vello FreeWave Flash Trigger LR is an 8-channel, extended range wireless flash trigger with digital circuitry. This device uses a powerful 2.4 GHz radio signal, maximizing your photographic potential by extending the signal strength.

With an extended range of up to 600 ft. (183 meters), you can use the Vello FreeWave Flash Trigger LR confidently in nearly all photography settings. The wireless signal empowers you to trigger your hot shoe or studio flash units without a line-of-sight view, making it easier to set up wireless connections separated by a barrier.

Multiple triggering modes enable you to fire all channels simultaneously or separate your receivers into separate channels. With a 1/250 sec. sync speed, the Vello FreeWave Flash Trigger LR's transmitter and receiver are easy to set up and use. The wireless capabilities and embedded antenna eliminate clutter, and the transmitter's ability to tilt makes it very compact while being used on-camera.

BOX CONTENTS

RFW-LR

- Transmitter
- Receiver
- 4x AA batteries
- 3.5 to 3.5 mm sync cable
- 3.5 mm to 1/4" monoplug adapter
- 2x lanyards
- Pouch Case
- User manual

RFW-LR-R

- Receiver
- 2x AA batteries
- 3.5 to 3.5 mm sync cable
- 3.5 mm to 1/4" monoplug adapter
- 1x lanyard
- User manual



FEATURES

Extended Range: Up to 600 feet (183 m)

Powerful 2.4 GHz signal: Reduced interference and improved wireless signal strength

8 digital channels: Avoids interference from other wireless remote controls

All trigger mode: Can fire all channels at once

Low-profile construction: Tilting joint reduces transmitter's on-camera presence

Hot shoe and studio flash use:
Compatible with most flashes

Internal antenna: Embedded antenna reduces unit size

Compatible with the Vello Captain TTL transmitter Ch. 1-4: Receiver can be triggered via Vello Captain TTL Transmitter

COMPATIBLE DEVICES

The Vello FreeWave Flash Trigger LR transmitter and receiver is compatible with most hot-shoe and lights, studio lights. The Vello FreeWave Flash Trigger LR does not transmit through-the-lens (TTL) settings; therefore, we recommend using a fully manually controlled hot-shoe flash with this device. The power output must always be set manually. Most flashes that can be operated manually are compatible, except Pentax, Sony/Minolta, and Sony Multi-Interface flashes. The Vello Flash Trigger LR Receiver is also compatible with the Vello Captain TTL transmitter channels 1-4.



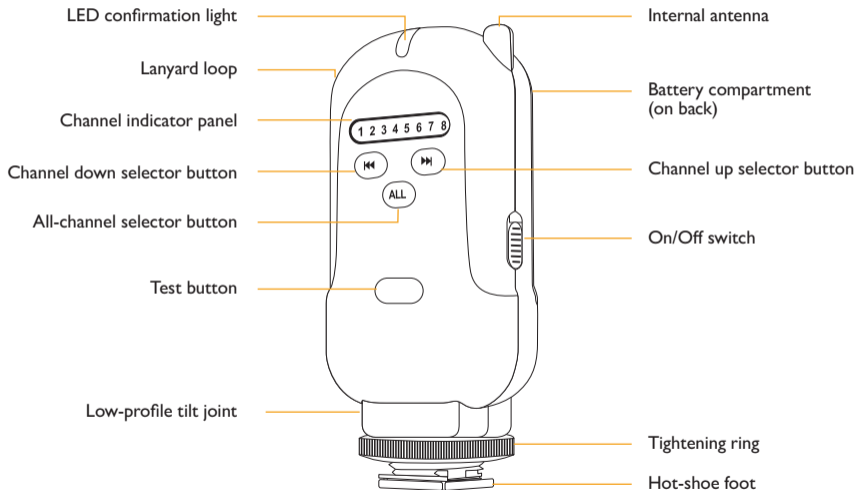
PRECAUTIONS

- Please read and follow these instructions and keep this manual in a safe place.
- There are no user-serviceable parts inside the devices. Do not attempt to disassemble or perform any unauthorized modification.
- Do not operate the transmitter or receiver in the presence of flammable gas or vapors.
- Do not handle with wet hands or immerse in or expose to water or rain. Failure to observe this precaution could result in fire or electric shock.
- Keep out of reach of children. This device contains small parts which may pose a choking hazard.
- Observe caution when handling batteries. Batteries may leak or explode if improperly handled. Use only the batteries listed in this manual. Make certain to align the battery with the correct polarity.
- Batteries are prone to leakage when fully discharged. To avoid damage to the product, be sure to remove the batteries when leaving the product unattended for prolonged periods or when no charge remains.

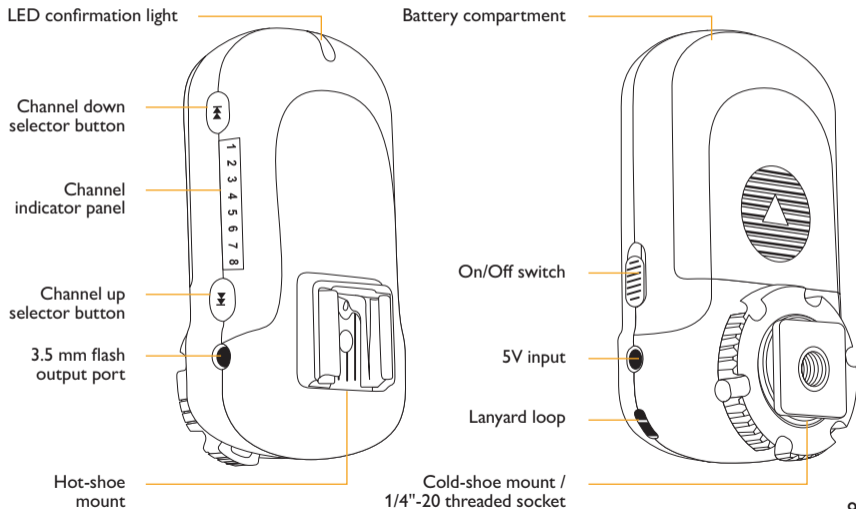
- Handle the units with care.
- Do not use or leave the devices in conditions of extreme heat, severe cold, or high humidity.
- Turn off the power of the camera and studio flash before inserting or removing the remote.
- Dispose of used batteries, packaging, and old devices in accordance to appropriate local environmental regulations.
- Clean the unit with a soft, dry cloth.
- Make sure the item is intact and that there are no missing parts.
- All photos are for illustrative purposes only.

OVERVIEW

Transmitter



Receiver



INSTALLING THE BATTERIES & TURNING ON THE DEVICE

The Vello FreeWave Flash Trigger LR transmitter and receiver each take two AA batteries. To install the batteries, simply remove the battery compartment door on the back of each unit. With the door removed, insert the batteries using the correct polarity as displayed within the compartment. Once secured, reinstall the battery compartment doors.



To turn on the Vello FreeWave Flash Trigger LR transmitter or receiver, simply slide the on/off switch to the 'on' position. Reverse this step to turn the device off.



SETTING THE CHANNELS

The Vello FreeWave Flash Trigger LR transmitter and receiver can communicate via your choice of eight different channels. To change the channel on the transmitter or receiver, turn on the device and press the up or down channel selector button until the desired channel appears on the channel indicator panel.

The transmitter can be set to trigger all of the units connected to Vello FreeWave Flash Trigger LR receivers regardless of the receivers' channel selection. To activate this function, press the all-channel selector button. To return to individual channel selection on the transmitter, press the all-channel selector button again and select individual channel desired using the up or down channel selector button.



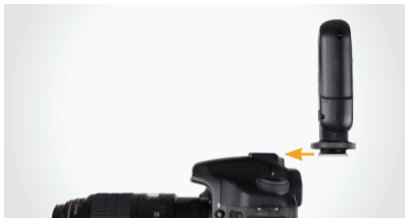
Note: The FreeWave Flash Trigger LR Transmitter and Receiver will remember the channel setting selected even when the unit is turned on/off, making it easy to return to your selected channel at your next session.

Note: If you encounter any interference on the initial setting, try changing the channel.

MOUNTING THE TRANSMITTER

To wirelessly trigger your flash device using the Vello FreeWave Flash Trigger LR, with the camera and Flash Trigger LR powered off, mount the transmitter on the camera's hot shoe by sliding the transmitter's hot-shoe foot into the camera's hot-shoe mount. Turn the transmitter's tightening ring to secure the device to the camera. Tilt the transmitter to achieve a low profile mounting.

Select the desired channel on the Transmitter using the channel selector buttons.



MOUNTING THE RECEIVER

Note: Make sure your flash and Flash Trigger LR are turned off before mounting.

Mount the receiver to your tripod or stand via one of the two provided mounting options:

1. Threaded socket for a standard 1/4" screw mount
2. Accessory shoe (cold shoe) foot.

Mounting a Hot-Shoe Flash

To mount your hot-shoe flash to the receiver, slide the foot of the hot-shoe flash into the receiver's hot-shoe mount. Secure the flash to the hot-shoe mount.



CONNECTING THE RECEIVER TO A HOT-SHOE FLASH

1. With your hot-shoe flash unit turned off, switch the flash's locking switch to the unlock position.
2. Insert the hot-shoe flash's hot-shoe foot into the receiver's hot-shoe mount.
3. Switch the hot-shoe flash's locking switch to the locked position to secure it to the receiver.
4. Turn on the hot-shoe flash and the Flash Trigger LR Receiver.
5. Set the same channel on the transmitter and receiver units.
6. Confirm that your camera, transmitter, receiver, and hot-shoe flash are all powered on.
7. Fully press the shutter button on your camera to capture an image. All lights connected to receivers in the currently selected channel will fire simultaneously. If you selected "ALL" channels on the transmitter, then all receivers (regardless of their channel selection) will fire simultaneously.
8. The transmitter and receiver LED confirmation lights will illuminate red.

Note: We recommend using a fully manual controlled flash with this device. Since the FreeWave Flash Trigger LR does not transmit TTL settings, you will need to set the power output of your flash manually.

Note: Your flash unit may enter sleep mode after a period of non-use. To turn off your flash's sleep mode, refer to the device's manual.

Note: The FreeWave Flash Trigger LR receiver can be used with the Vello Captain TTL system when using Channel 1-4.



CONNECTING THE RECEIVER TO A STUDIO FLASH

1. Turn off the Studio light and the FreeWave Flash Trigger LR.
2. Using the included 3.5 mm sync cable, attach one end to the receiver's flash socket and the other end to your studio flash. For flashes with a 1/4" monoplug socket, use the included 3.5 mm to 1/4" monoplug adapter.
4. Confirm that your camera, transmitter, receiver, and studio flash are all powered on.
5. Fully press the shutter release button on your camera. All lights connected to receivers in the currently selected channel will fire simultaneously.
6. The transmitter and receiver LED confirmation lights will illuminate red.



3. Set the same channel on both the transmitter and receiver.

NOTE: For studio flashes with household plugs, a 3.5 mm to household adapter is available separately.

NOTE: One transmitter will trigger multiple receivers connected to different flashes as long as they are on the same channel, or with the FreeWave Flash Trigger LR Transmitter set to "ALL" channels.

SPECIFICATIONS

Sync Speed	1/250s
Frequency	2.4 GHz
Range	600 feet (183 meters) approx.
Channels	8 channels
Transmitter Dimensions	1.3" × 1.9" × 4" (3.4 × 4.9 × 10.2 cm)
Receiver Dimensions	1.5" × 1.9" × 3.4" (3.9 × 4.9 × 8.7 cm)
Transmitter Weight	2.4 oz. (68 g)
Receiver Weight	2.3 oz. (65.2 g)

FCC COMPLIANCE

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.

TROUBLESHOOTING

Check that channels on all communicating devices are identical. When turning on the unit, it is important to review and, if necessary, reset the channel selection.

If first choice of channel does not work, try a different channel until you find one that works.

If you encounter any signal interference, try changing the channel.

Ensure that all connections are attached firmly and all cables are installed correctly.

Make sure that the power source for each device is properly installed and carry a sufficient charge. Weak batteries can reduce the distance over which a transmission works.

Make sure that a communication confirmation appears on the LED indicator when sending or receiving a signal.

Verify that flash and camera equipment are operating properly.

Check for a stuck test button on all units, including flash devices.

Make sure the devices are within the maximum operating distance of up to 600 feet (183 meters).

Disable sleep mode on your flash to prevent it from turning off after a period of not being used.

ONE-YEAR LIMITED WARRANTY

This Vello 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 Vello Customer Service Department to obtain a return merchandise authorization ("RMA") number, and return the defective product to Vello 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.vellogear.com or call Customer Service at 212-594-2353.

Product warranty provided by the Gradus Group.
www.gradusgroup.com



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