QUANTUM

QLINK -FW6N

Wireless TTL link -- Quantum Qflash to Nikon flash units

Operating Instructions

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Quantum Instruments Inc.
Designed and manufactured in the USA
www.qtm.com

P691

1.0 Introduction

Qlink provides for *radio TTL* control of remote Nikon flash units from a camera-mounted Quantum Qflash *TRIO* or *PILOT*. Wireless Auto or Manual control are also possible.

You can control any number of remote Nikon flashes and even mix them with remote Qflash TRIOs. TTL exposure offsets from +2 to -3 stops can be set independently for different Remote Groups of flash. All remote settings are controlled from the camera-mounted Qflash *TRIO* or *PILOT*.

Each remote Nikon flash will require a FreeXwire FW8R receiver and a Qlink-FW6N. Remote Qflash TRIOs require no other accessory (other than a Turbo for power).

IMPORTANT: In order to make Qlink work with *TRIO* or *PILOT*, you must update *TRIO* firmware to version 9.0 or higher, *PILOT* firmware to version 4.0 or higher. Updates are available for *TRIO* and *PILOT* on the Quantum website: Click Support, Firmware, Updates.

If you've purchased a *TRIO BASIC*, and would like to use it to control remote flashes, it may be upgraded to a full featured *TRIO* for use with the *QLINK*.

The *TRIO BASIC* may be used as a remote when mounted into *QLINK* hot shoe.

2.0 Using ratio lighting

You may use either a *TRIO* or *PILOT* located on the camera to trigger remote flashes with exposure offset of +2 to -3 stops. *TRIO* can set different offsets for two **Remote Groups** of flash: **R1** and **R2**. Each Remote Group can consist of one or more flashes. *PILOT* can control 3 **Remote Groups** of flashes: **R1, R2,** and **R3**.

2.1 Remote Nikon flash set-up:

Connect the Qlink-FW6N to a FreeXwire FW8R and to the flash hot shoe of *QLINK*.
(See Section 4 for mounting suggestions)
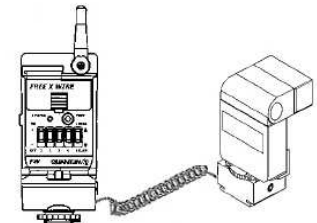
Turn flash ON.
Do not turn the FW8R on, yet.

Very Important : Set the flash MODE to "TTL". (Do not set flash for wireless operation, otherwise it will look for IR signals instead of responding to FreeXwire/Qlink radio).

## 2.2 Set Remote Groups R1 / R2 / R3 – (R3 is for use with PILOT only)

FreeXWire FW8R needs to be set to the Remote Group you intend to use for this flash. The **Zone** switches on the FreeXWire FW8R correspond to the **Remote Group** you intend to use for this flash

IMPORTANT: Each time you change Zones turn FreeXwire OFF, then ON, to store the Remote Group setting.
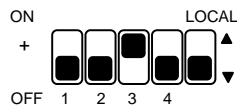
To set your remote Nikon to Remote Group R1
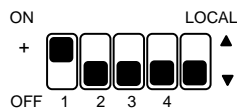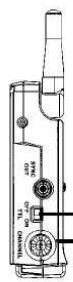

To set your remote Nikon to Remote Group R2
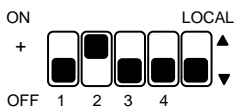
To set your remote Nikon to Remote Group R3 **(PILOT only)**

REMEMBER: Each time you change Zones turn FreeXwire OFF, then ON, to store the Remote Group setting.

2.3 Set the Channel Code for the radio

Select Channel code for remote FW8R. If you are using multiple *QLINK* / flash setups, the Channel code for each FW8R must be the same. (Channels 0 – 7)


Set Range switch to NORM

Select the same Channel Code for all FW8Rs

2.4 Using a Remote Qflash *TRIO*

You may mix remote *TRIO* flashes with remote Nikon flashes. See section 17 of the *TRIO* instructions.

A remote Qflash TRIO will be controlled according to the Remote Group settings in the on-camera *TRIO* or *PILOT*.

2.5 For a *TRIO* on-camera set-up:
(See Section 2.6 if you are using a *PILOT*)

Set *TRIO* mode to **QTTLWR (QR)**

Set the desired ratio settings for the Remote Flash Groups. (See Section 13.0 of *TRIO* instructions)
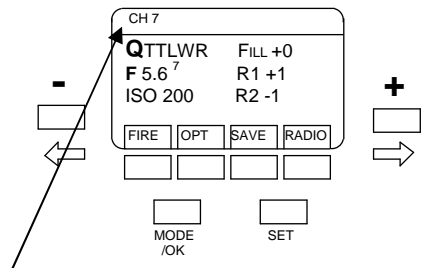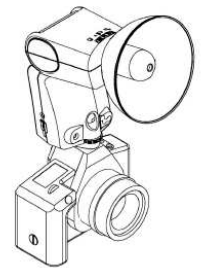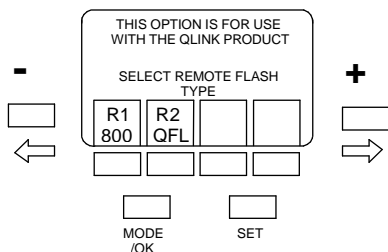

Set the channel code on the *TRIO* to the same as the FW8R. (See Section 8.0 of *TRIO* instructions)

2.5.1 Let *TRIO* know whether the remote is an SB800 or SB900 or another Qflash *TRIO*

The *TRIO* needs to know what type of remote flash each Remote Group will control.

Press the **OPT** (options) button. The use the **Left (-)** ← or **Right (+)** → buttons until you reach OPTIONS MENU 3 OF 4

Press the **QLINK** button of OPTIONS MENU 3 OF 4, and the *QLINK* options menu will appear.
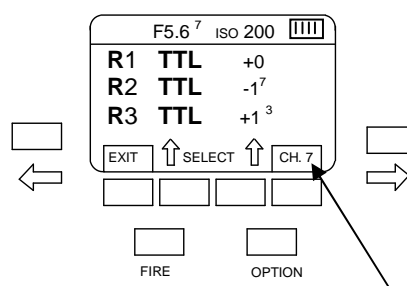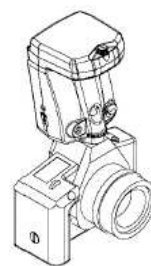

Select 800, 900, or QFL (Qflash) for Remote Groups R1 / R2.

Press **MODE / OK** when done.

2.6 For a *PILOT* set-up:

Set each remote group mode to **TTL**

Set the desired ratio settings for the Remote Flash Groups. (See Section 4.1 of *PILOT* instructions)

Set the channel code on the *PILOT* to the same as the FW8R (See Section 3.4 of *PILOT* instructions.)

2.6.1 Let *PILOT* know whether the remote is an SB800 or SB900 or another Qflash *TRIO*

The *PILOT* needs to know what type of remote flash each Remote Group will control.

Press the **OPTIONS** button Once, then use the **Left (-)**← or **Right (+)**→ buttons until you reach the **QLINK** option.

Select 800, 900, or QFL (Qflash) for Remote Groups R1 / R2 / R3.
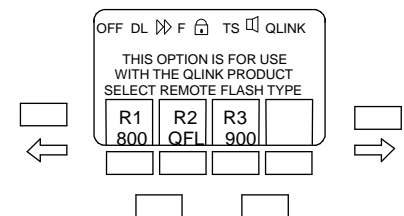
3.0 Using remote Nikon flashes in Mixed modes: Auto, Manual, or TTL

Your Nikon flash can also be controlled in Auto or Manual modes, as well as TTL.

If a remote Nikon flash is to be controlled in Manual mode, set its Mode to **M**. The on-camera *TRIO* or *PILOT* will only fire the flash; set the manual power on the remote Nikon flash.

If a remote Nikon flash is to be used in Auto mode, set the Nikon Mode to **AAUTO.** *PILOT* or *TRIO* will send F/number and ISO information to the remote Nikon flash. This information will be used to control flash output with the sensor located on the front of the Nikon flash.

PILOT has the additional capability to control the remote Nikon flash in Auto Fill mode. Set Nikon to **AAUTO**. *PILOT* will send F/number, ISO and Fill (-2 to +2 stops) information to the remote Nikon flash. This information will be used to control flash output with the sensor located on the front of the Nikon flash.

If the remote Nikon flash is to be in TTL set its Mode to **TTL**. – The camera will control the output of remote flash. You can create ratios by setting an offset. The offset can be can be set between -2 and +2 stops of the camera exposure.

3.1 Remote Nikon flash setup

Connect the Qlink-FW6N to a FreeXwire FW8R and to the flash hot shoe. (See Sections 2.1 and 4 for connection and mounting suggestions)

Turn flash ON

If the mode of the Remote Group (R1, R2, or R3) is

MAN	set your Nikon flash to **M**
TTL	set your Nikon flash to **TTL**
AUTO	set your Nikon flash to **AAUTO**
AFILL	set your Nikon flash to **AAUTO**

3.2 Remote Groups R1 / R2 / R3 – (R3 is for use with *PILOT* only)

FreeXWire FW8R needs to be set to the Remote Group you intend to use for this flash. The **Zone** switches on the FreeXWire FW8R correspond to the **Remote Group** you intend to use for this flash (and set on the camera-mounted TRIO).

See Section 2.2 & 2.3 Remote Group and Channel Code settings.

3.3 Set the channel code for the radio

Select Channel code for remote FW8R to match the channel code on the *PILOT* or *TRIO*.

See Section 2.3 for setting the channel code

3.4 Using a Remote Qflash *TRIO*

Set up according to the Qflash instructions. See section 17 of the *TRIO* instructions.

A remote Qflash TRIO will be controlled according to the Remote Group settings in the on-camera TRIO

3.5 *TRIO* setup

A *TRIO* (in Adv Mult mode) located on the camera can control the exposure of two Remote Flash Groups. Each Remote Group can consist of one or more flashes. The Remote Flash Groups are called R1 and R2. Each Remote Flash Group can be set to Auto, Man, or TTL.
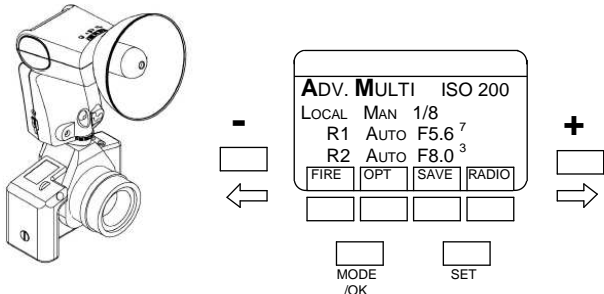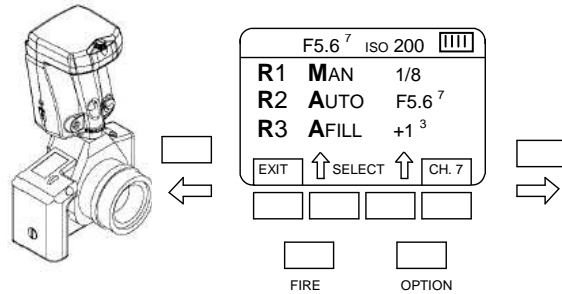

3.5.1 Let *TRIO* know whether the remote Nikon is an SB800 or SB900 or another Qflash *TRIO*

The TRIO needs to know what type of remote flash each Remote Group will control.

See Section 2.5.1 for selecting SB800 / SB900 / or Qflash for Remote Groups R1 / R2

3.6 *PILOT* setup

A *PILOT* located on the camera can control the exposure of three Remote Flash Groups. Each Remote Group can consist of one or more flashes. The Remote Flash Groups are called R1, R2, and R3. Each Remote Flash Group can be set to Auto, AFill, Man, or TTL.

### 3.6.1 Let *PILOT* know whether the remote Nikon is an SB800 or SB900 or another Qflash *TRIO*

The TRIO needs to know what type of remote flash each Remote Group will control.

See Section 2.6.1 for selecting SB800 / SB900 / or Qflash for Remote Groups R1 / R2 / R3

4.0 Connecting remote flashes to Qlink

In a typical set up The Qlink is used with a FreeXwire FW8R receiver. Connect the Qlink to the bottom of the FW8R. Move the locking lever into the Lock position.

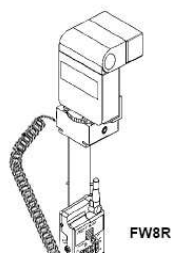Your Canon or Nikon flash fits into the hot shoe of *QLINK*.
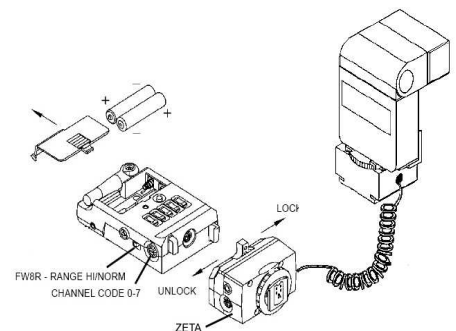
4.1 Mounting Qlink

The Qlink can be mounted in two ways.

4.1.1 Pole Mount Adapter 513**:** This item is included with your Receiver FW8R. Attach it to the back of the **FREEXWIRE** and clamp it around any pole, leg, or structure where the antenna can be opened away from metal objects.

The hot shoe can be mounted on the top of the pole using the ¼-20 mounting thread located on the bottom.

4.1.2 Mounting directly to a bracket: Use the #8/32 screw included with **FREEXWIRE** to secure it through a hole in a bracket. Any otherscrew used must protrude not more than 3/4"(2 cm) into the **FREEXWIRE** case, or you will damage **FREEXWIRE**!
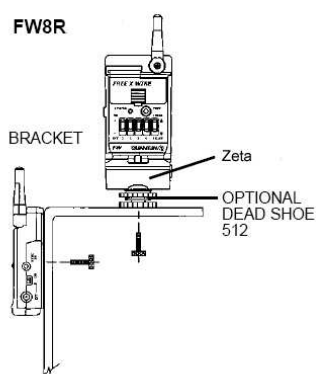
5. Customer Service

Having any trouble in using your Quantum product? We are here to help. Mail, call, fax, or email our Service Department:

Service Department
Quantum Instruments Inc.
10 Commerce Drive
Hauppauge, NY 11788

Tel: 631 656 7400 Fax: 631 656 7410
email: QuantumHelp@qtm.com

Troubleshooting tips are available at www.qtm.com, Support, Customer Support, FAQ. If you suspect a malfunction or require adjustment, return the unit to us with an accurate description of the problem. Please be sure your problem is not caused by improper operating procedure or malfunctions in your
Send all equipment carefully packaged and insured to our address above.

An estimate of repair cost on out-of-warranty merchandise may be forwarded if you desire. This will require that we contact you for approval before proceeding and will delay return of your equipment. For fastest repair time, you may pre-approve repairs up to a limit of $100 with your credit card. We will bill you only for actual costs up to that limit. If repair costs exceed your pre-approval, we will contact you

Paying by check will delay the repair until the check clears (up to 15 days). Payment by money order is acceptable.

Normal repair time is 10-15 days. For expedited service, contact our Service Department.

Summary:

Ship via UPS, Parcel Post, or other carrier, insured.
Give a clear, detailed description of the problem.
Give your mailing address and daytime phone number, fax #, and/or email.
For warranty repairs include a copy of the receipt.

In addition, for out-of-warranty repairs with pre-approval: Provide your Visa, MasterCharge, or American Express card # and expiration date.
Give us authority to charge repair costs up to $100.00.
Provide your billing address.

Note: Please do not email your credit card information