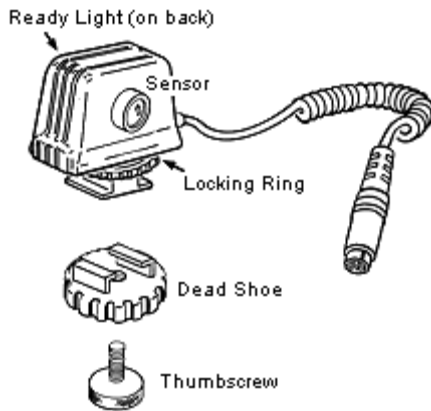# QUANTUM REMOTE SENSOR QF21
INSTRUCTIONS

1.0 FEATURES

The QF21 Remote Sensor is used with Qflash Model T or X.

It automatically controls the light output of the Qflash from a remote location.

Sensor coverage angle: 25°

2.0 CONNECTING THE QF21 REMOTE SENSOR TO THE CAMERA

2.1 Cameras with hot-shoe contacts (Diag. A)
Slide the QF21 onto the camera's hot-shoe. The QF21 can only be mounted onto the hot-shoe in one direction. Turn the locking ring on the QF21 to secure it to the camera. To remove, turn the locking ring in the opposite direction and slide it off.

2.2 Cameras without hot-shoe contacts (Diag. B & C)
a) Slide the QF21 onto a flash-shoe adapter with PC sync cord (purchased separately). Turn the locking ring on the QF21 to secure it to the flash-shoe adapter. Mount the flash-shoe adapter to the camera bracket and aim the sensor at the subject. Connect the PC sync cord on the adapter to the camera. (Diag. B)

b) Mount the QF21 onto a "dead"-shoe (supplied) then mount dead-shoe to the camera bracket. Aim the sensor at the subject. (The remote sensor can be mounted on a metal dead-shoe without interfering with its sync function). Connect a separate sync cord from the camera to the Qflash. (Diag. C)

3.0 CONNECTING THE REMOTE SENSOR TO THE QFLASH

Plug the QF21 cord into the Accessory Jack of the Qflash. If the cord is too short, it can be extended by using a QF51 extension cable, 20ft (6m) long. (Diag. D) The remote sensor can be extended up to 100ft (30m), using five QF51 extension cables.

4.0 GENERAL OPERATION

Ready light - Flash readiness is established when the green LED light is on, or from the audible or visual indications on the Qflash.

Exposure indicators - The Qflash provides over, under or OK exposure information.

"Sens" mode - When the remote sensor is connected to the Qflash, the "Auto" mode in the Qflash is

automatically switched to the "Sens" mode. The internal sensor in the Qflash is disconnected and the light output from the Qflash is controlled by the remote sensor. Set the same aperture and film speed for both the Qflash and the camera. The distance shown on the Qflash is direct flash distance between the Qflash and subject. The distance is only a guide and depends on subject, F/#, reflector position and power pack.

"Man" mode - If you set the Qflash to manual mode the remote sensor only performs sync function. Set the desired aperture on the camera and the required power setting on the Qflash.

"TTL" mode - The remote sensor does not support TTL function even if the camera has TTL capability.
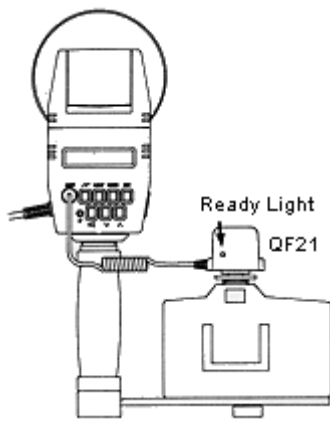
5.0 SETTING FILL-FLASH RATIO CONTROL

It is possible to control the ratio of flash light to ambient as follows:
a) Set the camera to aperture priority automatic and Qflash to Auto. Set the same ISO film speed on both.
b) Set the Qflash F/# equal to, or less than, the camera's F/# setting.
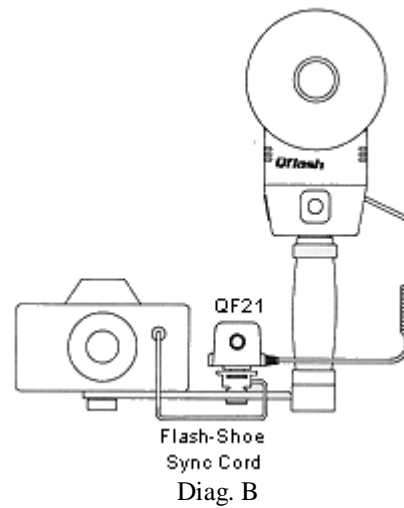c) The lighting ratio will be according to the table below:

Qflash F/stops below camera	Approx. ratio-flash ambient
0 (same setting)	1:1
1/3	1:1.3
2/3	1:1.5
1	1:2
1 1/3	1:2.5
1 2/3	1:3
2	1:4
3	1:8
4	1:16

For example: set the camera to F/8, set the Qflash to F/5.6. The light ratio will be 1:2
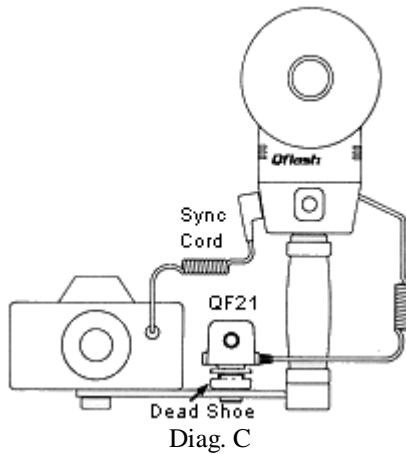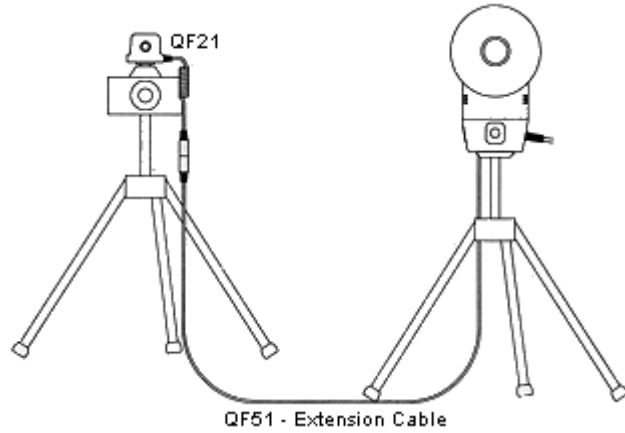

Diag. A
QF21 mounted to camera with hot-shoe contacts.

Diag. B
Camera without hot-shoe contacts:
QF21 mounted to flash-shoe with PC sync cord adapter, (PC sync cord adapter purchased separately).

Diag. C
Camera without hot-shoe contacts:
QF21 mounted to dead-shoe/separate PC
sync cord required.

QF51 - Extension Cable
Diag. D
Typical mounting configuration.

The Quantum accessories shown in the above diagrams to illustrate product use are:
QF70 - Quick Release "L" bracket
QF51 - Extension Cable
536 or 537 Sync Cord

PLUG INSERTION INSTRUCTIONS

CAUTION:
DO NOT FORCE THE PLUG.
FOLLOW THE DIAGRAM AND THE INSTRUCTIONS BELOW.
CONNECTING TO THE QFLASH "ACCY" JACK:

Match the arrow on the plug to the "ACCY" jack arrow on the Qflash. It may be necessary to turn the plug slightly to the right or left until you feel the plug seat before pushing the plug into place. Follow the same procedure when connecting two cables together.

ARROW

ARROW

ARROWS

ACCY