QUANTUM LOCKING POWER MODULE
XA2 - XB2 - XG2 - XF2 - XZ2
INSTRUCTIONS

1. INTRODUCTION

You have just purchased Quantum's newly designed Locking Module. The uniquely designed locking mechanism insures positive contact with your flash while eliminating the need for special covers, notching or external pressure from the battery compartment door.

To insure proper usage of your new module follow the instructions in the numbered order in which they are presented. To avoid any possible damage to your flash be certain you have selected the correct module and do not attempt to operate (power up) your new module with a flash until you have completed section 7 (module location).

2. MODULE SELECTION

A list of the flashes (or flash) compatible with your module is located on the side of the power module box. If your flash is not listed, consult your dealer for a module suitable to your flash. Although modules may look identical, they are not interchangeable. For example, a Module XG2 cannot be used with a flash requiring a Module XB2. Trying to do so could damage your flash.

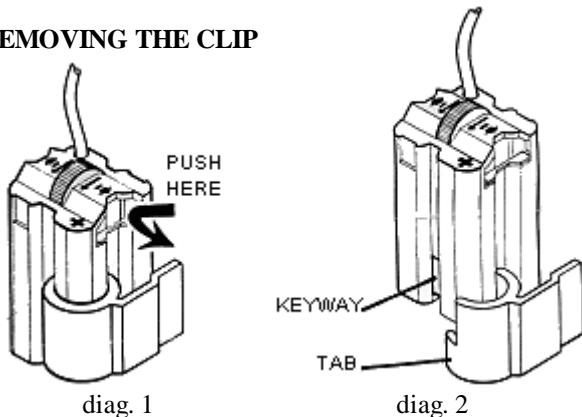## 3. XA2/XG2 AND VIVITAR; XB2 AND SOLIGOR MK-10A

XA2 and XG2 modules are supplied with a special clip to be used with all Vivitar flashes. When you are using the clip the module can be inserted only one way.

XB2 module is supplied with a clip for use with the Soligor MK-10A flash. The clip will provide a tighter fit inside the battery compartment.
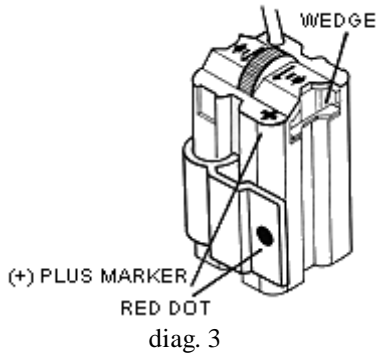
If you are not using a Vivitar or Soligor MK-10A flash remove the clip (diag. 1).

When replacing the clip place the tab of the clip into the keyway of the module and snap into place (diag. 2).

REMOVING THE CLIP

PUSH HERE

KEYWAY

TAB

diag. 1   diag. 2
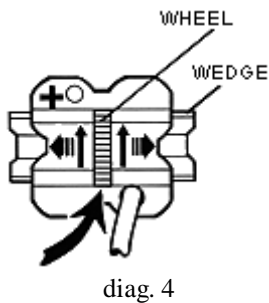
4. MODULE XF2 AND NIKON FLASHES

Module XF2 is supplied with a special clip to be used with Nikon Flashes. If you are not using a Nikon flash the clip is not required.

Line up the "red dot" on the clip with the (+) plus marker on the module (note the position of the clip in relation to module wedges). Snap the clip into place (diag 3).
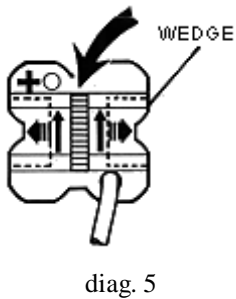
diag. 3

5. HOW TO LOCK THE MODULE

The locking mechanism of your new module operates by gripping the inside walls of the battery compartment. The two side wedges will extend, locking the module into the flash. Follow steps A-F.

diag. 4

EXTENDED WEDGE
Turn the wheel in the direction of the solid arrows along side the wheel. The wedges will extend in the direction of the broken arrows.
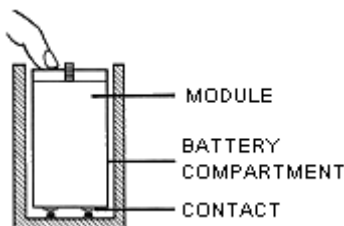
diag. 5

RETRACTED WEDGE
Turn the wheel in the opposite direction of the solid arrows.

NOTE: This section is ONLY for locking the module. You may have to orient the module again after reading section 7 Module Location. **DO NOT** connect Battery Power at this time.

A. Remove the AA batteries from your flash.
B. Be sure the wedges of the module are fully retracted (diag 5).
C. Place the module inside the battery compartment of the flash.
D. To insure proper contact between the module and the flash, press the module down inside the battery compartment as far as it will go (diag 6).
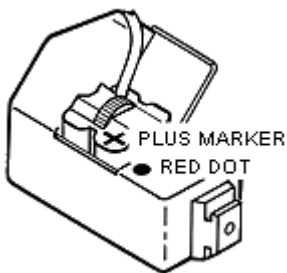
**PRESS MODULE
DOWN COMPELTELY**

E. Holding the module down firmly, turn the wheel in the direction of the arrows, extending the wedges (diag 4). When you feel resistance in the wheel or when the wheel comes to a natural stop - Turn the wheel 1/4 of a turn more. **DO NOT FORCE THE WHEEL** any further. Release the downward pressure applied with your finger. The module will be securely locked into place.

F. To remove the module turn the wheel in the opposite direction of the arrows retracting the wedges (diag 5).
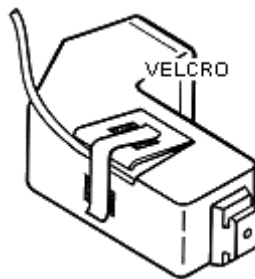
6. INCLUDED WITH YOUR MODULE

RED DOT STICKERS * VELCRO
After you have completed the instruction booklet and have properly located the module inside your flash, place one of the red dot stickers on your flash next to the (+) plus marker on the module as a reminder for future use (diag 7). If your battery compartment door is removable take it off and store it away, you will not need it with the Locking Module. Doors that are permanently attached can be secured by placing one piece of adhesive backed velcro on the flash and the other on the battery compartment door. Use the 4" long (10 cm) piece to secure the door (diag 8).

diag. 7   diag. 8

7. MODULE LOCATION

The module you have just purchased looks like a square cluster of four batteries and, just like batteries, it must be positioned inside the flash properly.

The Module Location Chart is a guide for positioning the module inside your flash. Check the four columns of the chart to see if your flash is listed, and if it is, follow the instructions for the chart. If your flash is not listed on the chart, use the instructions inside the box to the right titled "Only For Flashes Not Listed on the Module Location Chart".

MODULE LOCATION CHART INSTRUCTIONS
When using the Module Location Chart, please note that the flash diagram used represents a typical flash. Your flash may look slightly different. The flash head may be in a fixed position or may swivel to the right or left. Keeping that in mind, hold your flash as shown in the diagram, with the battery compartment towards you, the flash head at the top, and the hot shoe mount at the bottom.

A. Remove the AA batteries from your flash.

B. Turn the flash ON.

C. Locate your flash and model number in one of the four columns. Note the position of (+) plus marker in the corresponding diagram. Place the module inside your flash with the (+) plus marker in the same position. Lock the module into the flash.

D. Plug the module into the connector jack of the Bantam Battery.
   The indicator on the flash should light and/or you should hear the "whine" of the flash recycling.

IF YOUR FLASH DOES NOT RESPOND INSTANTLY,
REMOVE THE MODULE PLUG FROM THE BANTAM BATTERY IMMEDIATELY.

Check the model number on your flash and the four columns of the chart again. If you still have trouble, consult your dealer or contact us for assistance before proceeding. Do not risk damage to your flash.

E. Once you have determined the correct position, place one of the red "dot" stickers on the flash next to the (+) plus marker on the module (see section 6).

ONLY FOR FLASHES NOT LISTED ON THE MODULE LOCATION CHART

Read thoroughly and understand how to determine if you have the correct or incorrect (wrong) position before proceeding.

A. Remove the AA batteries from your flash.

B. Turn the flash ON.

C. The Module can be positioned inside the flash in four different ways; only ONE is correct. To determine which one of the four positions is correct, place the module inside the flash. (Select any position). Lock the module into the flash. Plug the module into the connector jack of the Bantam Battery for a MAXIMUM of ONE SECOND.
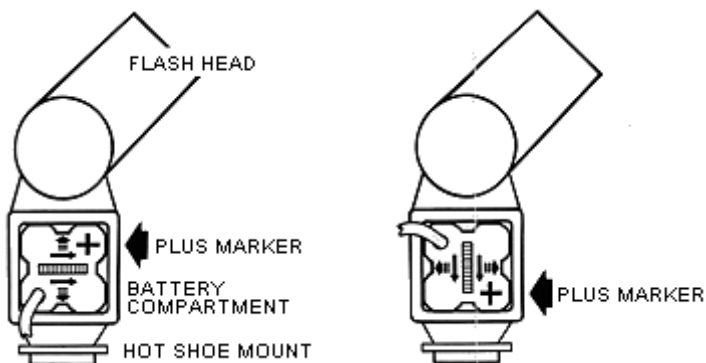
IF THE FLASH IS NOT POWERED UP THE INSTANT THE THE MODULE PLUG IS CONNECTED TO THE BANTAM BATTERY, REMOVE THE MODULE PLUG FROM THE BANTAM BATTERY IMMEDIATELY.

You can tell if the flash is powered properly by any of the indicators on your flash lighting or by listening for the "whine" of the flash unit recycling.

D. If you have the wrong, or incorrect, position there will be no indication of flash power. Possibly, the short circuit "STOP!" indicator on the Bantam Battery will light up. Caution: leaving the module incorrectly connected to the flash, while connected to the Bantam Battery, could damage your flash.

E. Once you have determined the correct position, place one of the red "dot" stickers on the flash next to the (+) plus marker on the module.
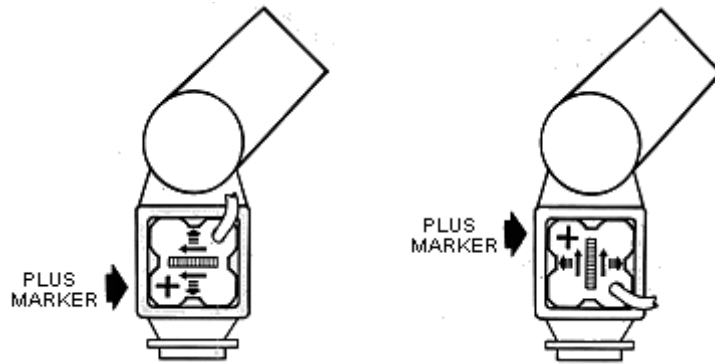

MODULE LOCATION CHART

NOTE: THE FLASH DIAGRAM REPRESENTS A TYPICAL FLASH - YOUR FLASH MAY LOOK DIFFERENT - THE HEAD MAY BE IN A FIXED POSITION OR SWIVEL TO THE RIGHT OR LEFT. KEEPING THAT IN MIND, HOLD THE FLASH WITH THE BATTERY COMPARTMENT TOWARDS YOU, THE FLASH HEAD AT THE TOP AND THE HOT SHOE MOUNT AT THE BOTTOM.

Achiever DZ260*, TZ250*
Albinar 120 MDT TZ
Canon 199A*
Starblitz 3800DEF**
Sakar 730AF*
Sigma EF-430*
Soligor MK-9A*

Canon 299T
Konica X24 AUTO*
Promaster 5900**
Sakar 77TF2**

Quantaray QTB-7500A**, QTB-5000AF
    Vivitar 283*, 636AF**, 628AFM**,
        728 ZOOM*, 836AFC*

PLUS
MARKER ▶

PLUS
MARKER ▶

Canon 300EZ**
Minolta 360PX*
National PE-321SW*
Nikon SB16*
Nikon SB15**, 21**
Promatic FTD5200**
Quantaray QB6500A**
Vivitar 5600*, 285*, 285HV*

Canon 300TL*, 420EZ,
    430EZ, ML-3*
Minolta 4000AF
Promatic FTD 4000**
Soligor MK-10A*
Spiratone TWIN LIGHT**
Sunpak 422D*, 433D*,
30DX AUTO*, AUTO 266D*

*See Section 3 - Modules XA2/XG2 and Vivitar; Module XB2 and Soligar MK-10A.
**See Section 4 - Modules XF2 and Nikon Flashes.

INSTRUCTION SUPPLEMENT
SOLIGOR MK-10A FLASH

Modules XB2 (for Bantam) or MB2 (for QB1/QB1+).
Read and follow all Module Instructions.

Hold the flash as shown in the diagram below. Note the position of the flash head and battery compartment.

Place the module inside the battery compartment with the + (plus) marker in the same direction as shown in the diagram.

The module clip (supplied with the module) is required for the SOLIGOR MK-10A Flash.
See section 3 of the Module Instructions for adding or removing the clip.

SOLIGOR MK-10A

Module Clip
Module + Marker

Flash
Head

Battery Compartment