GVI RADIO SLAVE MODEL 400TR

INSTRUCTION MANUAL

INSTALLATION FOR USE AS A STROBE SYNC SYSTEM

TRANSMITTER

1) Insert a NEW 9v alkaline battery. To do this, lift off the battery access cover. Snap clip onto battery, observing polarity. Insert the battery, wrapping the wire around the battery terminals. Replace cover.
   NOTE: If the wire is under the battery, the cover will not close property.
2) Connect the transmitter to the camera via the sync cord included in the accessory packet.
3) Connect the strobe mounted on the camera to the PC female outlet on the transmitter. If a strobe is not used here, no connection is necessary.
4) Locate a position on the camera assembly for mounting the transmitter. The Velcro, belt clip (supplied) or any other suitable method may be used. The belt clip snaps into two holes on the rear of the transmitter. Place the transmitter near as LITTLE metal as possible, as this will affect the maximum overall range. Nominal range, depending on surroundings, is 150-200ft. Maximum line of sight range is 250ft.

RECEIVER

5) Turn power switch to the off position. Insert two (2) NEW 9v alkaline batteries. To do this, open the side compartments and snap the clips onto the batteries observing polarity. Insert each battery, pushing the wire into the receiver. Close the compartments.
   NOTE : If the wire is bunched up inside the battery compartment, its cover will not close properly.
6) Connect the remote strobe, via sync cord, to the PC outlet.
7) Mount the receiver using the stick-on plates and the plastic straps, or Velcro. For best range, it MUST be as far away from ANY metal object. Locate it as high as possible. In most cases, when working at short range (typically 50ft.), the antenna will not have to be extended. This should be determined by trial and error for reliable operation.

UNDER NO CIRCUMSTANCES IS ANYTHING (INCLUDING NAME PLATES) TO BE MOUNTED TO THE TOP FACE (SAYS GVI RADIO SLAVE) OF THE RECEIVER- THE RECEIVER IS NOT TO BE MOUNTED AGAINST A STROBE OR POWER PACK. THIS WILL CAUSE ERRATIC OR NON OPERATION OF THIS RADIO SET. IF A VIVITAR OR EQUIVALENT STROBE IS BEING USED, PLEASE PAY SPECIAL ATTENTION TO OPERATIONAL HINTS STEP 4.

USING THE RADIO SYSTEM FOR STROBE SYNC

1) Set transmitter to channel 1 or 2. The selector switch is located under the battery access cover.
2) Turn on receiver and set to the same channel selected on the transmitter.
3) Set the strobe selector to the remote strobe (RM) position. Turn on remote strobe. Depressing the open flash button on the transmitter should cause the remote strobe to fire.
4) If the range is not satisfactory, move the receiver to a different position, set it higher, move it farther away from metal objects, or extend the antenna.
5) Strobe selector switch will allow flash selection from the camera position. Selections are; only the camera strobe (C), only the remote strobe (RM), or both strobes (B).
6) The open flash button or camera sync will ONLY fire the strobes which have been selected.
7) The receiver has a built-in battery test feature. Press the button just above the channel selector. If the batteries are good, the light above the on/off switch will light. THE ON/OFF SWITCH MUST BE ON FOR THIS TEST. If it doesn't light, replace the batteries as soon as possible. The batteries should be tested before each use and

periodically during use.

8) An optional AC adaptor is available for the receiver (p/n 410). When the adaptor is being used, the receiver will work from an AC outlet. THE ADAPTOR WILL NOT CHARGE THE INTERNAL BATTERIES. The batteries do not have to be removed when using the AC adaptor, as they are automatically disconnected.
9) An optional rechargeable ni-cad battery pack and charger is also available for the receiver (p/n 440). The internal batteries do not have to be removed when using this battery, as they are automatically disconnected. It plugs into the AC outlet on the receiver and powers it for 20 hours. It can be recharged up to 1000 times. THE 440 HAS NO MEMORY PROBLEMS. Please consult the instructions provided with the 440 battery pack for complete information on its use.

NOTE: An electrical short existing between a sync connection of the "on the camera strobe" and the camera will cause the remote control switch on the transmitter not to function property. This could occur when using a shoe mounted or modified shoe mounted (added mounting plate) strobe. The "on the camera" strobe's sync connections must be insulated from the flash bracket for proper operation. PLUGGING IN THE EXTERNAL SYNC CORD INTO A VIVITAR STROBE DOES NOT INSULATE THESE CONNECTIONS. WIRES INSIDE THE SHOE MUST BE CUT. NO DAMAGE WILL OCCUR IF THERE IS A SHORT. PLEASE CONSULT US WITH QUESTIONS.

INSTALLATION FOR USE AS A MOTOR DRIVE TRIPPING SYSTEM

TRANSMITTER

1) Follow step 1 as outlined in the INSTALLATION FOR STROBE SYNC section.
2) The selector switch MUST be in the RM or B position.
3) The transmitter can be used "hand held". The belt clip can be used and snaps into two holes on the rear of the transmitter. Place the transmitter near as LITTLE metal as possible, as this will affect the maximum overall range. Your body is a conductor and if the transmitter is worn on your belt, this will ALSO affect range. Nominal range, depending on surroundings, is 150ft. Maximum line of sight range is 250ft. Depressing the open flash button commands the motor drive circuit in the receiver to trigger.

RECEIVER

4) Follow steps 5, 7, and the CAUTIONS as outlined in the INSTALLATION FOR STROBE SYNC SECTION.
5) Connect the receiver socket marked "Motor Drive" to the camera's motor drive connector via the correct optional cord for the motor drive system being used (eg. Canon, Nikon, Leica, Hasselblad).

USING THE RADIO SYSTEM FOR MOTOR DRIVE OPERATION

1) Follow steps 1, 2, 4, 7, 8, and 9 of USING THE RADIO SYSTEM FOR STROBE SYNC section.
2) Momentarily depressing the open flash button will cause the camera to fire. On motor drives with a "continuous" position, the camera will continue firing for as long as the open flash button is depressed, when this position is chosen.

CAUTION: If any strobes are being used with the camera being tripped, their sync cords MUST be plugged into the CAMERA'S sync socket. Do not plug a strobe into the sync socket on the transmitter or the receiver. To do so will cause IMPROPER synchronization of the strobe and the camera. One radio slave can ONLY be used as either a motor drive control OR a strobe sync system.

OPERATIONAL HINTS FOR ALL USES

1) Both channels can be used at ALL shutter speeds up to a 250th sec. focal plane and a 500th sec. leaf shutter.
2) Turn OFF the receiver when not in use to conserve the batteries. The transmitter is only on when the shutter sync is closed or the open flash button is depressed.
3) As the batteries wear, especially the transmitter's, the range will DECREASE. CHECK RANGE BEFORE EACH JOB TO THE MAXIMUM IT WILL BE USED, TO INSURE RELIABLE OPERATION. Under normal use, the transmitter's battery should last one year, the receiver's should last 50-100 hours of continuous use. **CAUTION:** POOR BATTERIES WILL CAUSE THIS RADIO SYSTEM NOT TO SYNC PROPERLY. PLEASE MAKE SURE THE BATTERIES ARE GOOD AT ALL TIMES.
4) Every precaution has been taken to prevent false triggering from outside sources. The transmitter sends a coded signal to the receiver. This gives reliable operation, BUT a very strong radio transmitter or radio noise source (eg. some strobes, motors) MAY set off the receiver. If this happens
   A) Try changing channels.
   B) Move the receiver location.
   C) Some strobes generate large amounts of radio interference which MAY cause intermittent operation or continuous self-firing. If you use an automatic (Vivitar 283,285) with an external battery, the battery connecting wire acts as an antenna, putting MORE interference into the air, making the problem worse. KEEP the receiver as far away from the strobe, the external battery AND the wires to prevent self-flashing. If this false triggering cannot be stopped, PLEASE CONSULT US.
5) The system will follow a strobe sync trigger rate of 3 flashes per second.
6) Use ONLY alkaline batteries. Standard carbon/zinc batteries will give poor performance and short life. Rechargeable ni-cad batteries may be used ONLY In the receiver. They must be charged while removed from the receiver and re-installed.---DO NOT USE NI-CADS IN THE TRANSMITTER. TO DO SO WILL GIVE POOR PERFORMANCE. They are a LOWER VOLTAGE AND WILL REDUCE the range of your system from the start.
7) If the receiver AND transmitter are NOT set to the same channel, the radio system WILL NOT WORK. The two channels allow two different radios to be used within range of each other without interference.
8) Some cameras will not allow the open flash button to operate UNTIL the film is advanced.
9) Your slave has been designed to be as rugged as possible, BUT a little care will go a long way.
10) BOTH receiver and transmitter MUST be of the same frequency. Radio slaves are available in four (4) different frequencies, (A, B, C, or D). Each frequency has two channels, (1 and 2). This is done to further reduce the chance of interference between radio slave systems. When ordering extra receivers or transmitters, be sure to include the frequency desired. Frequency is indicated by the letter at the end of the lot code on the outside rear of the transmitter or receiver. If your second slave is a different letter, THEY WILL NOT WORK TOGETHER. ORDER THE SAME LETTER IF THEY ARE TO WORK TOGETHER.
11) One transmitter will trigger as many receivers as are needed PROVIDING;
   A) ALL receivers are of the same frequency (A, B, C, or D) as the transmitter.
   B) ALL receivers are set to the same channel (1 or 2) as the transmitter.

Murphy's Law states: If anything can go wrong, it will at the wrong time.

Zumwalt's First Law states: The probability of failure is directly proportional to the number and importance of the people watching a test or the importance of the job being done.

WE DO NOT WANT YOU TO FALL INTO A TRAP.

We know this equipment is used for your livelihood.

GVI has done everything possible to provide you with a piece of quality equipment, BUT we have no control over the equipment to which it is connected.

PLEASE, connect this equipment EXACTLY as you are going to use it, to the EXACT equipment to which it will be

used, and TAKE A TEST ROLL OF FILM. MAKE SURE all shutter speeds, f stops, distances, etc. that will be used, ARE ON THIS SAME TEST ROLL. Confirm all is working properly BEFORE using it, whereas a problem can be harmful.

ABOVE ALL, PLEASE READ AND UNDERSTAND THE INSTRUCTIONS FULLY BEFORE USING THIS PRODUCT. If there is a question or problem, CALL US AND ASK FOR HELP..

DO NOT ASSUME ANYTHING ...