

Setting Up Gen Lock with Your Tracking System Keypad

Gen Lock Setup (without the overlay card)

The following procedure will enable you to adjust Gen Lock settings without the **Gen Lock Setup** overlay card.

1. Press and hold down the **Setup** and **Image Brighten** buttons. After 2-3 seconds, you will hear a beep.
2. Release the **Setup** and **Image Brighten** buttons. The **Gen Lock Setup** menu appears.

! To reset the menu items to the default values, press the **autoFOCUS** button.

3. Press the **up** and **down PAN/TILT** arrows to move the arrow on-screen and to select the item you want to change.
4. Press the **left** and **right PAN/TILT** arrows to change the value for the following items:

<u>Menu Item</u>	<u>Values</u>
MODE	AUTO or INT (internal)
H-PHASE	-99 to +99
SC-PHASE	0 or 180
SCFINE	-99 to +99

5. To save your changes, press the **autoIMAGE** button.

! If the 1-CCD camera is set to **Remote** mode (Switch Bank **B**, dip switch **2**, position **UP**), then the **SC-PHASE** setting will default to the **SC-PHASE** dip switch (Switch Bank **A**, dip switch **2**, positions: **DOWN** = **0°** and **UP** = **180°**) setting on the camera each time the camera is restarted. If the 1-CCD camera is set to **Local** mode (Switch Bank **B**, dip switch **2**, position **DOWN**), then the **SC-PHASE** setting will not be overwritten each time the camera is restarted.

6. Press and hold **SETUP** and the top **IMAGE (brighten)** button to exit.

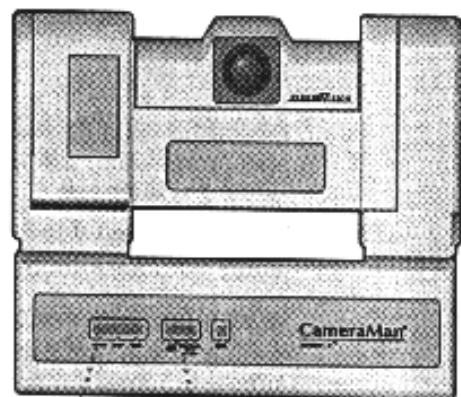
Appendix A: Troubleshooting

If you have any problems with your CameraMan Presenter Camera System, please try to resolve them using the following information. If you still have questions, then please contact your authorized ParkerVision reseller, or call ParkerVision direct at (800) 532-8034 or (904) 737-1367.

Problem: The CameraMan autoTRACK Camera will not follow the Tracking Ring Package.

- Solution:**
1. Is the **POWER** light on the CameraMan's front panel illuminated?
 - If it is illuminated, proceed to step #2.
 - If it is not illuminated, make sure the Main Docking Station is plugged in and its **POWER** switch located on the front panel is moved to the **ON** position. The **POWER** light on the front of the Main Docking Station should be illuminated.
 2. Is the **TRACKING UNIT STATUS** light on the camera's front panel illuminated?
 - If it is **ON**, proceed to step #3.
 - If it is **OFF**, make sure the Tracking Ring Power Pack is powered **ON**.
 - If it is still **OFF**, check the **Battery LOW** light on the top of the Tracking Ring Power Pack. If the **Battery LOW** light is illuminated, then the battery is low and needs to be recharged.
 - If both the **ON** light and the **LOW** light on the top of the Power Pack are not illuminated, then the battery may be completely discharged and needs to be fully recharged.
 - If the battery is fully charged and the **TRACKING UNIT STATUS** light is still **OFF**, then verify that the **RF CHANNEL** switch on the back of the Main Docking Station matches the position of the **RF CHANNEL** switch on the back of the Tracking Ring Power Pack.
 3. Is the **autoTRACK** light on the camera's display panel illuminated or flashing?
 - If it is **ON**, proceed to step #4.
 - If it is **OFF**, use the Tracking System Keypad to select one of the four **autoTRACK View** buttons.
 4. If the **POWER** and the **TRACKING UNIT STATUS** lights are illuminated, and the **autoTRACK** light is blinking,
 - Check to make sure that the **Tracking Ring Sensors** are attached properly and are not covered by hair or clothing.
 - Be sure that you are standing in the field-of-view of the camera.

Front of CameraMan Camera



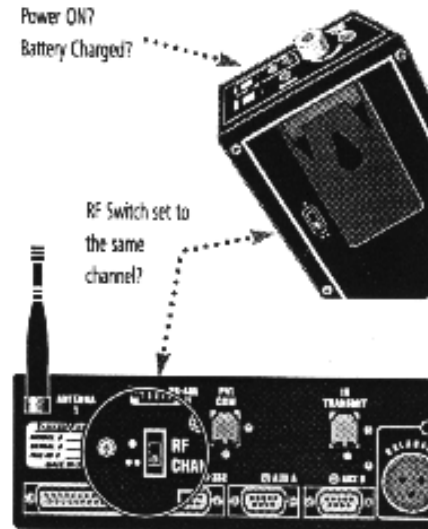
Step 1:
Is POWER light
ON?

Step 2:
Is TRACKING
UNIT STATUS
light ON?

Step 3:
Is autoTRACK light
FLASHING?

Power ON?
Battery Charged?

RF Switch set to
the same
channel?



Appendix A: Troubleshooting

Problem: The CameraMan Camera's autoTRACK operation is irregular.

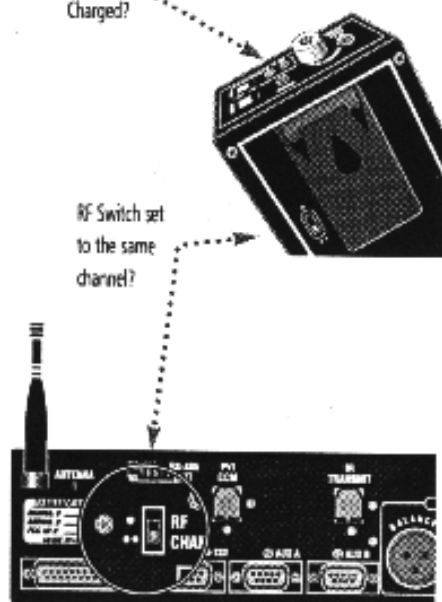
- Solution:**
1. Check the **Battery LOW** light on the top of the Tracking Ring Power Pack. If the light is illuminated, the battery is low and needs to be recharged.
 2. If the battery is charged, you may need to change the RF frequency on which the CameraMan is currently operating. To do this, change the position of the **RF CHANNEL** switch on the back of the Main Docking Station and on the back of the Tracking Ring Power Pack to the opposite setting (both switch positions must match).
 3. Inspect the CameraMan camera's location to verify that no obstructions, such as the main power cable, are impeding its ability to freely pan left and right or to tilt up and down.
 4. Verify that both antennae are connected to the Main Docking Station and that no wires or metal objects are touching either antenna.
 5. Check the battery in the Tracking System Keypad.



The Keypad takes (2) AA batteries with a lifespan of two to three months with average use. The Keypad indicates that its battery is low with a long beep when any button is pressed. Replace the battery at that time.

Battery
Charged?

RF Switch set
to the same
channel?



Problem: The Tracking Ring Unit's audio is not working.

- Solution:**
1. Check to make sure that the **AUDIO** switch is set to the **ON** position.
 2. Check the top of the Tracking Ring Power Pack to make sure the Tracking Ring is plugged into the port marked **TRACKING RING**.
 3. Check to see if the **AUDIO** light on the back of the Docking Station illuminates when the microphone is receiving audio.



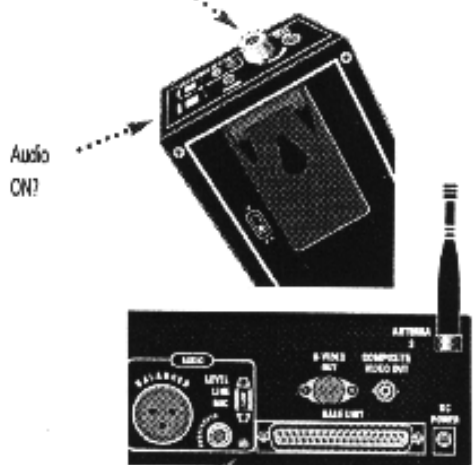
The light will only illuminate while speaking into the Tracking Ring microphone.

4. If the **AUDIO** light on the back of the Main Docking Station illuminates and you are still not receiving audio, you may have a wiring problem from the Main Docking Station to the audio system. If this is the case, please contact your CameraMan System Installer.

Plugged In?

Audio
ON?

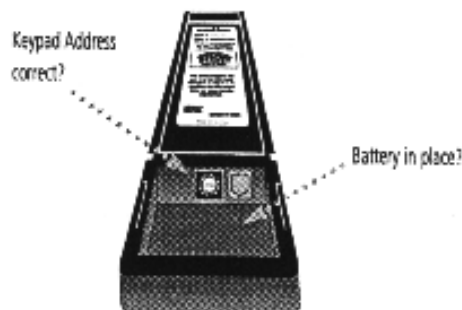
Audio Light ON?





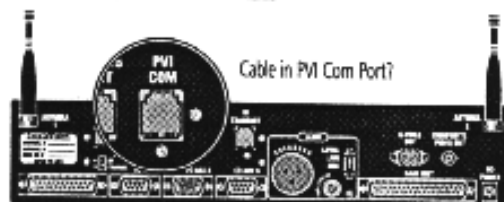
Problem: *The Tracking System Keypad will not control the autoTRACK Camera when used in the wireless RF mode.*

- Solution:**
1. Verify that the batteries are installed in the keypad properly.
 2. Verify that the settings match for the **BASE UNIT ADDRESS** switch on the back of the autoTRACK Camera and the **BASE UNIT ADDRESS** switch in the battery compartment of the keypad.
 3. Verify that the **RF command** switch on the back of the autoTRACK Camera is set to **ENABLE**.
 4. Verify that the light on the front of the Tracking System Keypad illuminates for a few seconds when the battery is first installed.



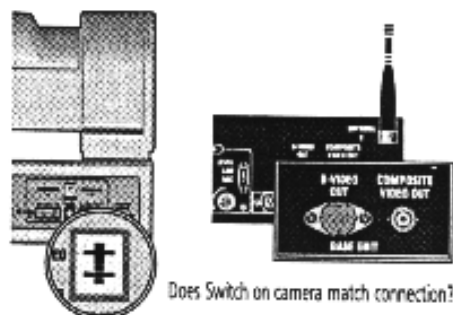
Problem: *The Tracking System Keypad will not communicate with the autoTRACK Camera in a hard-wired mode.*

- Solution:**
1. Verify that the CameraMan Keypad Cable is connected from the **PVI COM** port on the back of the Main Docking Station to the **RJ-11** jack in the battery compartment of the Tracking System Keypad.
 2. Does the light on the front of the keypad illuminate for a few seconds when the keypad is first plugged in? If not, then replace the cable with a ParkerVision-supplied cable only.



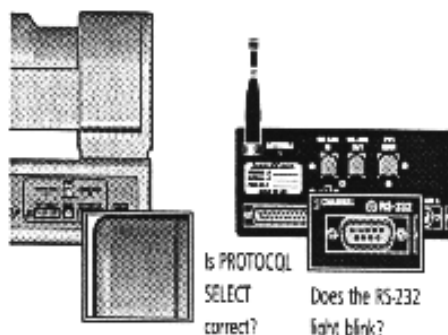
Problem: *The autoTRACK Camera's Video is not working properly.*

- Solution:**
1. Verify that the **VIDEO SELECT** switch on the back of the autoTRACK Camera is set properly.
 2. Verify that the appropriate video connection is being used on the back of the Main Docking Station, either **S-VIDEO** or **COMPOSITE VIDEO OUT** (see page 3).
 3. Verify that there is a solid connection of the CameraMan Cable to both the Main Docking Station and the autoTRACK Camera.



Problem: *No communications through the RS-232 port.*

- Solution:**
1. Verify that the cable being used is wired correctly.
 2. Verify that the **PROTOCOL SELECT** switch on the back of the autoTRACK Camera is set properly.
 3. Does the **COM** light above the **RS-232** port on the back of the Main Docking Station blink when you send a command through this port?
 - If not, then change the cable and retry.
 - If so, then verify that the **BASE UNIT ADDRESS** is accurate.



Appendix B: Specifications and Clearance Diagram

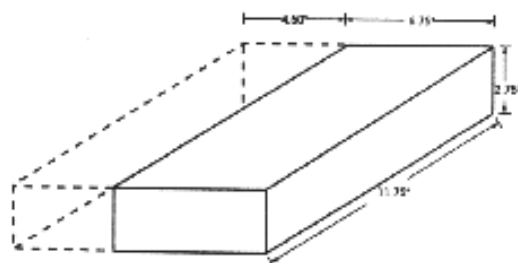
The following specifications are for the Main Docking Station, Tracking Ring Package, and Tracking System Keypad. For specifications on your CameraMan camera, refer to the Installations and Operations Manual that came with your camera.

Specifications

Main Docking Station

Video Out (75-ohm):	Composite or S-Video NTSC Y: VS 1.0 Vp-p Sync negative C: Burst 0.286 Vp-p VBS: 1.0 Vp-p Composite PAL Y: 1.0Vp-p Sync negative C: Burst 0.300 Vp-p VBS: 1.0 Vp-p Composite
Audio Out:	Balanced (XLR) into 600 ohms, Unbalanced (RCA) into 40K ohms
Line Level Out:	0dBv (Balanced or Unbalanced)
Mic Level Out:	-40dBv (Balanced only)
RS-232 Port:	DB-9 (female) connector
Power:	US: 120V, 60Hz AC power supply, INTL: 100-240V, 50-60Hz AC 100 W maximum consumption
Temperature:	32° to 100° F
Humidity:	0 to 95% non-condensing
Dimensions:	11.64" L x 6.65" W x 2.6" H
Weight:	10 lbs.

Clearance Diagram



Tracking Ring Package

Tracking Range:	Up to 60' from autoTRACK Camera
Wireless Audio:	60' from Main Docking
RF Tracking Freq.:	Standard A/B: 209.3 MHz/212.5 MHz Standard C/D: 208.1 MHz/211.3 MHz
Dimensions:	4.6" L x 2.8" W x 1.0" H
Battery Life:	4 hours per charge 8 hour auxiliary battery (optional)

Tracking System Keypad

RF Range:	60' from autoTRACK Camera (typical)
Hard-wired Range:	250' from autoTRACK Camera (typical)
Power:	(2) AA DURACELL® batteries
Dimensions:	7.0" L x 2.20" W x 0.85" H