


Setting Up Gen Lock with Your Control Keypad

You can adjust the Gen Lock settings to synchronize all video sources based on the sync pulses from one source, such as a remote camera. When you switch between cameras, you may detect a flicker on your monitor. Adjusting the Gen Lock settings enable you to remove the flicker for smooth transitions between cameras.

 Place the **Gen Lock Mode Setup** card over the Keypad when adjusting Gen Lock. It provides the instructions below and highlights the buttons you will use.

Gen Lock Setup (with the overlay card)

The following procedure will enable you to adjust Gen Lock settings with the **Gen Lock Setup** overlay card.


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

 To reset the menu items to the default values, press the button labeled **Reset**.

3. Press the **up** and **down Menu Edit** arrows to move the arrow on-screen and to select the item you want to change.
4. Press the **left** and **right Menu Edit** 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 button labeled **Save**.

 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 **Gen Lock** and **MODE** to exit.

Setting Up Gen Lock with Your Control 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 button numbers **0** and **8**. After 2-3 seconds, you will hear a beep.
2. Release the **0** and **8** buttons. The **Gen Lock Setup** menu appears.

 To reset the menu items to the default values, press button number 1.

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 button number 2.

 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 **8** and **0** to exit.

Appendix A : Troubleshooting and Specifications

If you have any problems with your Camera Control Keypad, please refer to the following Troubleshooting section. If you have questions or problems after troubleshooting, please contact your authorized ParkerVision reseller, or contact ParkerVision Product Support directly at 904-737-1367.

Troubleshooting

- Problem:** The Camera Control Keypad will not control the CameraMan camera when used in the wireless RF mode.
- Solution:**
1. Verify that the battery is installed in the keypad properly. (See page 3).
 2. Verify that the BASE UNIT ADDRESS switch on the back of the CameraMan camera, and the BASE UNIT ADDRESS switch in the battery compartment of the keypad are set to the same setting (see page 3).
 3. Verify that the RF command switch on the back of the CameraMan Camera is set to ENABLE. (see your *1-CCD CameraMan Installation and Operations Manual*).
 4. Verify that the light on the front of the Camera Control Keypad illuminates for a few seconds when the battery is first plugged in.
 5. Be sure that you have pressed the **CAMERA SELECT** button on the Camera Control Keypad that corresponds to the camera you want to control. (see page 6) If only using one camera be sure to press **CAMERA SELECT 1**.

Problem: The Camera Control Keypad will not communicate with the CameraMan Camera in the hard-wired mode.

- Solution:**
1. Verify that the CameraMan Keypad Cable is connected from the PVI COM port on the back of the camera to the RJ-11 jack in the battery compartment of the Camera Control Keypad (see page 3).
 2. Verify that the BASE UNIT ADDRESS switch on the back of the CameraMan camera, and the BASE UNIT ADDRESS switch in the battery compartment of the keypad have the same setting (see page 3).
 3. Does the light on the front of the keypad come on for a few seconds when the keypad is first plugged in? If not, replace the cable with a ParkerVision-supplied cable only.
 4. Be sure that you have pressed the **CAMERA SELECT** button on the Camera Control Keypad that corresponds to the camera you want to control (see page 6). If only using one camera be sure to press **CAMERA SELECT 1**.

Specifications

Wireless Mode:

RF Range:.....60 ft./18.28 m from camera (typical)

Power:.....(2) AA DURACELL® battery

Hard-Wired Mode:


Range:.....250 Ft./76.2mf from camera (typical)

Power:.....supplied through cable

Keypad Dimensions:.....US: 7.0" L x 2.20" W x 0.85" H

INTL: 17.78cm L x 5.59cm W x 2.16cm H

Return To Default

-  The **return to default** command resets the cameras maximum pan/tilt position and pan/tilt orientation to their factory settings, and clears **Location Presets 1, 2, and 3** (presets 4-99 will not be reset). *Please use with caution.*

Returning to the Factory Defaults:

1. Press and hold the **IMAGE (sun)** button and button number **3** for approximately one second.
2. Release the buttons.
3. If off-center, the camera will return to the default home position.





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Revision B