

SkyHawk

Setup and Operation

To first learn connection setup and operation of **SkyHawk** we recommend you do a partial setup of the major system components indoors.

1. Mount **SkyHawk** "Helmet-Cam" onto the main "Trunk-Section" of your tower next to your desk or other convenient location. (Figure 1)

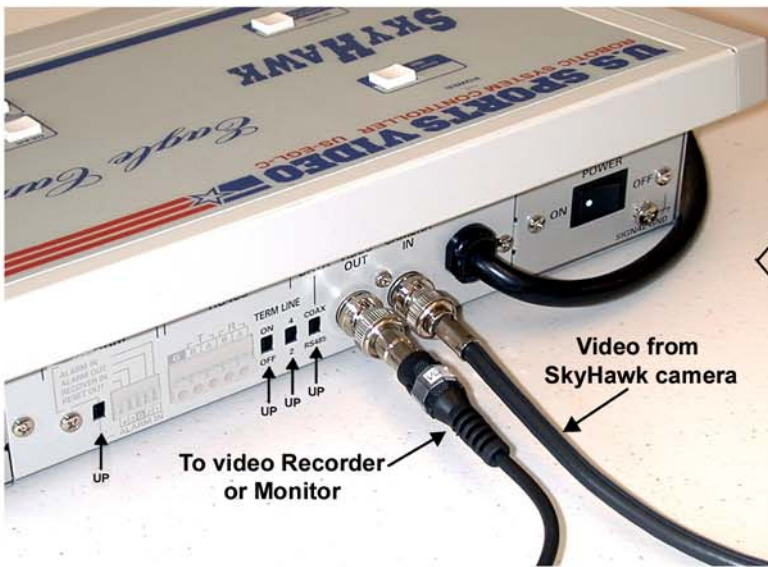


2. Connect one end of "Cable-Roll" to "Helmet-Cam" with BNC video/control on the left side (push & turn) and the XLR 3-prong female power connector on the right (push until its lock snaps into place). (Fig. 2)

3. On other end of "Cable-Roll" connect the BNC to **Camera In** on the *Robotic Controller* rear panel, and male XLR connector to the matching plug on the *AC-Adapter Power Module*. Now connect a composite video cable from the **Video Out** connector on the *Robotic Controller* rear panel to the video input connector on the *Action Monitor*. (Fig 3)

The *Robotic Controller*, the *Action Monitor*, and the *AC-Adapter Power Module* can now be plugged into standard 120 VAC power outlets and the units powered up.





4. Check that the four slide switches on the rear of the Robotic Controller are in the "up" position. (Fig. 4)



1. Green **POWER** light should be "on". (If not, check **POWER** switch on rear.)
2. **SHIFT** light should be "off". (Press **SHIFT** button to toggle light "on" and "off".)
3. Control camera movement with Joystick.
4. Focus camera with **NEAR** and **FAR** buttons. Best to **ZOOM** all the way in on object within field of interest and then focus.
- 5a. Zoom out and in with **WIDE** and **TELE** buttons. Note: Holding **TELE** button down until end of range will provide maximum optical zoom. Releasing button and then pressing again will shift into "Digital-100 Zoom" mode, (normally never used).
- 5b. The camera iris can be manually adjusted when **SHIFT** light is "on" (see 2. above) and then pressing **CLOSE** or **OPEN**. If both buttons are held down simultaneously the iris will reset to normal. Then turn "off" the **SHIFT** light for normal operation.
6. When the **SLOW** button is held down the action of the Joystick will be slowed in speed to allow more precise aiming control.



Video recorder: Out In

To Record Video with your SkyHawk:

The **Video Out** signal from the *Robotic Controller* is routed to the video input connector on your recording device. The recording device may use any video format -- digital, analog, or other.

Connect the video output signal from the recording device to the video input connector on the *Action Monitor*.

The **RECORD**, **PAUSE**, and other controls on the recording device are used in the normal way to capture the video as required. The video signal from the **SkyHawk Robotic Controller** is provided continuously while the **SkyHawk** system is powered up.

Tower Setup

Always assemble the **SkyHawk** tower module in the horizontal position.

Be careful to always insert *Tower Elements* fully into the coupler sockets until they bottom against the stops.



After complete assembly, slowly raise Tower Module to the vertical position. It is highly recommended that at least one person holds down legs to maintain stability as the tower is raised by another person.

We recommend that the SkyHawk be set up to one side of the goal post uprights rather than between the uprights.

Once Tower Module is raised camera direction can be adjusted by loosening lower coupler clamp and rotating vertical Tower Element. **BE SURE TO RETIGHTEN COUPLER CLAMP** after adjustment!

IMPORTANT CAUTIONS



To prevent blow-down of tower in gusty or windy conditions hang a weight of at least 35 lbs from hook.

NEVER attempt to reposition tower while it is in the upright position Always lower it to the horizontal before moving it.

NEVER set up tower in the vicinity of electrical power lines!

The tower assembly will conduct electricity, and contact between any part of tower assembly and such power lines may result in death by electrocution!

This **SkyHawk** setup documentation is available on our website at:
[www. USsportsVideo.com](http://www.USsportsVideo.com)

