

# The SignVideo XLR-PRO™ User Manual

Made In USA

## Mount to (1) Camera (2) Camera and Tripod or (3) Clip on Your Belt

**Camera:** Use the threaded screw to connect the XLR-PRO™ to the underside of your video camera.

**Tripod:** After mounting to camera, connect to tripod using threaded hole on the underside of the XLR-PRO™.

**Belt:** Screw the metal belt clip (a dime works) into the threaded hole on the underside of the XLR-PRO™. Position the clip so that the XLR-PRO™ control knobs are where you like them (usually facing up or to left or right). Connect the extension cable to the XLR-PRO™ output cable. Press firmly to get the cable connectors to snap into place. Clip to your belt.

## Input Connections

Four inputs. Use any one input OR use two inputs as follows: any input labeled 1, plus any input labeled 2.

EXAMPLES: Use the #1 AUX input plus the #2 XLR input. Use the #1 XLR input plus the #2 XLR input.

**WARNING:** If you use more than two inputs at the same time, you will have at least two inputs with the same number.

These same numbered inputs are wired together and the input signals will combine. You will be able to adjust the combined volume, but you will not be able to adjust the volume of the two inputs relative to each other.

### 2 XLR Input Connectors

Each supports input from wireless or wired mics, input from audio mixer boards, etc. Each requires balanced input

### 2 AUX Input Connectors

1/8" inputs permit you to connect one or two wireless mics, hand-held mics and input from any 1/8" source.

Each will accept balanced or unbalanced inputs. Ring and tip are balanced input (ring is connected to pin 3, tip to pin 2 of XLR connector). Non-balanced input MUST have ring grounded if ring is present. See next item.

### Some Microphones With 1/8" Plugs Will Not Work Without an Adapter

**If a mic is dead,** the mic likely has a stereo plug on the end of the cable. It won't work even though it fits snugly into the 1/8" jack. To connect to a stereo plug, use a stereo to mono adapter. These can be found at most electronic stores.

**Canon XL1 and XL1s** For best sound levels connect an 1/8" stereo to RCA Y adapter cable to the XLR-PRO output and connect the two outputs of the adapter cable to the RCA audio inputs at the back of the XL1 or XL1s.

## Output Cable Connection

To feed audio to your camera connect the XLR-PRO™ output cable to the external mic jack on your camcorder.

## Selector Switches

### *Mono/Stereo Switch*

Use the Mono/Stereo switch to choose between stereo sound or mono sound recording.

#### **Stereo selected**

- Input 1 audio records on left audio track.
- Input 2 audio records on right audio track.

#### **Mono selected**

- Mic or line input, whichever is selected, records on both left and right audio tracks at the same time.
- If you feed audio to both inputs (connect one mic to each input, for example), the two inputs will mix, the mixed signal recording equally on both the left and right track.

**If you use mono mode, always turn the audio level control all the way up on an unused input.**

**If not, you may have weak audio levels. Turning the gain all the way up on the unused input will not adversely affect the input signal from the input which is in use.**

### *Ground Selector Switch (labeled G1, G2)*

Select one of two grounds:

#### **FIRST Test Both Ground Switch Positions:**

- Attach the XLR-PRO™ to the bottom of your video camera using the threaded screw.
- Power your video camera **using the AC adapter** that came with your camera.
- Using headphones to monitor audio, toggle between the two ground switch positions.
- Typically, one position will be quiet, one will produce audible 60 cycle hum. Choose the quiet position. If neither position produces hum, check to see that your camera is getting power from the AC adapter.

**Continued on Reverse →**

### Down Position (Standard)

- XLR-PRO™ grounded through video camera cable ground wire (quietest ground for most cameras).

### Up Position (Special)

- Quietest ground for early VX700 and VX1000 and some other cameras. XLR-PRO™ grounded via screw connecting the XLR-PRO™ to the camera. As a result, the XLR-PRO™ must be mounted to the bottom of the camera when operating in this mode OR a ground wire connected between a bare metal part on the XLR-PRO™ and bare metal part on the camera (a wire with alligator clips on each end works best).

### **Mic/Line Switch**

*Select mic or line voltage*

### **MIC**

- Select MIC for input source which is microphone voltage level.
- Usually, set to MIC for wireless microphone receivers and handheld XLR microphones.

### **LINE**

- Select LINE for input source which is line voltage level. Maximum input voltage: 10V
- Usually, set to LINE for input from audio mixers.

**NOTE: Because cameras have different input impedances, you should test your equipment with the XLR-PRO™ before actual use. This will determine whether a device works best with MIC or LINE.**

## Audio Level Controls

Each audio level control knob allows the level (gain) to be adjusted from zero to unity. On the adjustment dial, these correspond to 0 at the first dot (absent or weak audio) to unity at the tenth dot (full audio).

**Because the AGC (Automatic Gain Control) on some cameras will automatically turn down higher audio levels, sometimes the XLR-PRO™ produces no gain past a certain position on the audio level dial. Typically, this occurs at mid range on the dial. Typically, it is most noticeable when using wireless mics.**

## Specifications

Line level attenuation:	varies from device to device, but is approximately 54dB
Frequency response:	20Hz – 20kHz, +/- 1dB maximum
Input impedance:	Nominal 600 ohms, suitable for 150 to 600 ohm input
Input connections	2 Neutrik® latching xlr audio connectors, 2 1/8" audio jacks
Output connection	Approx. 13" cable with stereo mini-plug
Cabinet:	5.25" x 2.75" x 1.25" die cast aluminum, black powdercoat finish
Weight:	13.5oz

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