

Specifications

Input Level	MIC setting: -36 dBu ideal -6 dBu max LINE setting: 0 dBu ideal +36 dBu max
Output Level	Nominal mic levels (-6 dBu max)
Frequency Response	20Hz to 20 KHz (+/- 3 dB)
Phantom Power	Regulated 48 volt Current to 14 mA (direct short)
Level Meter	LED indicators from -51 dBu to -33 dBu
Battery Type	One 9 volt alkaline battery LED battery indicator
Case	Powder coated aluminum
Dimensions	5.25" L x 3.5" W x 1.25" H
Weight	16 oz

Limited One Year Warranty

This warranty covers any defects or malfunction in your new BeachTek adapter for one full year.

BeachTek will replace any defective or malfunctioning adapter, within the warranty period, with a new unit at no charge. The warranty does not cover damage resulting from accident, alteration, misuse or abuse. The device must be sent to our service center at your expense.

Should you require service please contact us first before returning the unit to us. Return instructions can be found on our website at www.beachtek.com/questions.html

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MVU-1

Operating Instructions for the MVU-1 Microphone Monitor



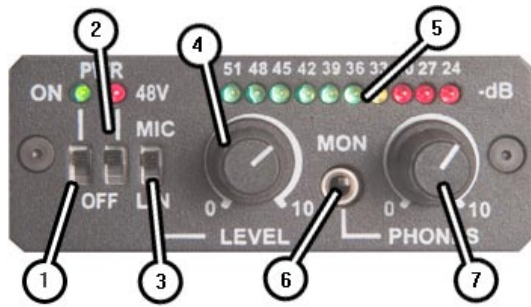
The BeachTek MVU-1 is a single channel, portable device for monitoring an XLR balanced microphone or a line feed from a mixing board. Connects to any professional or consumer camcorder. Provides attenuation control, phantom power, metering and monitoring in one compact device.

Passive circuitry requires no power to operate and is completely noise free with a wide bandwidth for superb audio. Active circuitry operates on one 9 volt battery.

- Before using this high quality device, please read this operating manual thoroughly to obtain the highest performance.
- Please contact us if you have any problems or questions.

BeachTek

Front Panel Controls and Indicators



1.) Power

Install a fresh 9 volt alkaline battery in the MVU-1 if you wish to use phantom power, monitor the audio or power the LED level meter (battery is not required to pass the audio signal). Turn on the unit to activate the level meter and headphone amplifier. The Power LED should light to indicate good battery power. Turn off the power when not in use to conserve battery power.

2.) Phantom Power

If your condenser microphone requires 48 volts phantom power to operate, first connect the microphone to the adapter. Activate the PWR ON switch and then the 48V switch. The red LED above the switch should light to indicate that 48 volt power is present. Do not plug dynamic microphones, unbalanced devices, wireless receivers or feeds from mixing boards into the adapter with the phantom power activated as it may damage the connecting device.

3.) MIC / LINE Switch

To connect a microphone to the MVU-1, set the MIC/LINE switch to MIC. To connect a line level output from a mixing board to the MVU-1, set the MIC/LINE switch to LINE to activate a 40 dB pad. This attenuates the signal to the proper level so that it will not overdrive the input of your camcorder.

4.) Trim Control

The passive trim control attenuates the input signal from unity to no output. Adjust the trim control to give you a maximum reading of -36 dBu on the level meter. The red LED's should not activate. This will give you the ideal recording level for the highest signal to noise ratio on most camcorders

If your camcorder allows you to switch the Auto Gain Control (AGC) off, you can use this option for manual control over the audio levels. Initially set the camera gain to about 30% of maximum. You can then fine tune the camera gain control to the proper recording level as recommended by the camera manufacturer.

As a guide, the recording levels should be no higher than -12 dBFS (Full Scale). Please refer to your camcorder's user manual for more information on setting the proper recording levels.

5.) LED Level Indicators

The meter will show the signal levels of each channel going into the camcorder. You can use this as a guide to monitor the levels for optimum recording quality. The ideal setting is for the signal to be as high as possible without activating the red LED's.

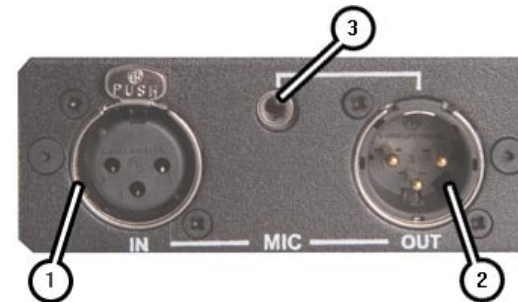
6.) MON Output

Attach your headphone to this mini-jack output. The mono output signal will be sent to both the left and right side of the headphones.

7.) Phones Control

Adjust for desired output level for the headphones. Be sure to be careful not to overdrive the headphones which may cause hearing impairment.

Rear Panel Controls and Connections



1.) XLR Input

Connect your microphone or feed from a mixing board to this input with an XLR cable. The transformer balanced XLR input can accept balanced or unbalanced connections. To convert the input to unbalanced, simply ground pin 1 to 3 on the XLR input cable. We recommend the use of sensitive condenser type microphones for the best results. Dynamic microphones usually do not have sufficient output levels and may result in an excessive amount of hiss from the high level of amplification necessary by the camera's audio preamplifiers. Microphones with a sensitivity rating of greater than -40 dBV are ideal.

2.) XLR Output

Connect the balanced output to the mic level input XLR of a professional camcorder, or any of our camcorder adapters, using an XLR cable.

3.) Mini-jack Output

Connect the unbalanced output to the mic level mini-jack input of any consumer or prosumer camcorder. Since this output is unbalanced, be sure to keep this cable as short as possible to avoid stray electrical noise pick up.