

## Specifications

Gain	Adjustable from -10 dB to +15 dB
Frequency response	20 Hz - 20 KHz, +/-3 dB (limiter on)
Output noise level	less than -80 dBu
Input level before clipping	+1.5 dBu (min gain with limiter on) -27 dBu (max gain with limiter on)
Maximum output level	-30 dBu (limiter off) -36 dBu (limiter on)
Battery type / duration	(1) 9 volt alkaline battery 10 hours typical LED battery indicator
Current draw	35 mA typical
Case	Powder coated aluminum
Dimensions	5.25" L x 2.5" 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](http://www.beachtek.com/questions.html)

Upon receiving the returned adapter it will be inspected and replaced if found defective. The unit will be shipped back to you within five business days at our expense.

#### BeachTek Inc.

2120 Queen Street East, Suite 202  
Toronto, Ontario M4E 1E2

tel (416) 690-9457 • fax (416) 690-0866

email [adapter@beachtek.com](mailto:adapter@beachtek.com)

web [www.beachtek.com](http://www.beachtek.com)

# DXA-FX

Operating Instructions for the DXA-FX Adapter



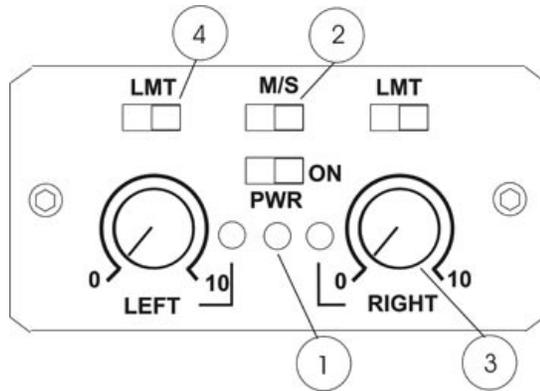
*The BeachTek DXA-FX is a two channel, battery-powered microphone adapter with built in preamplifiers and limiters specifically designed for the Sony HDR-FX1 camcorder. This adapter is designed to easily attach balanced or unbalanced type microphones to this camcorder (condenser type microphones require their own power as the adapter does not supply phantom power). The low noise preamplifiers boost the audio level from virtually any microphone to the "sweet spot" for improved signal to noise ratio. The fast acting limiters virtually eliminate distortion from overly hot inputs.*

*The DXA-FX is very easy to set up and use, therefore it requires a minimal amount of fuss. It fits ideally under the Sony HDR-FX1 camcorder and its rugged construction ensures years of use.*

- 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



### Mounting and Connection

Mount the DXA-FX securely to the tripod bushing on the under side of your camcorder. Connect the cable from the DXA-FX to the camcorder's microphone jack. The camcorder's onboard microphone should now be disabled.

### Camera Setup

Set the audio mode switch on the back of the camcorder to MAN to deactivate the AGC. Turn the AUDIO LEVEL thumbwheel on the camcorder to 3 on the dial. Set the input level on the camera menu to EXT MIC. You are now ready to attach external microphones to the adapter.

### Adapter Controls and Connectors

#### 1. Power

Install a fresh 9 volt alkaline battery in the adapter. Turn on the PWR switch to activate the unit. The center LED should light to indicate good battery power. Turn off power when not in use to conserve battery power.

#### 2. MONO / STEREO Switch

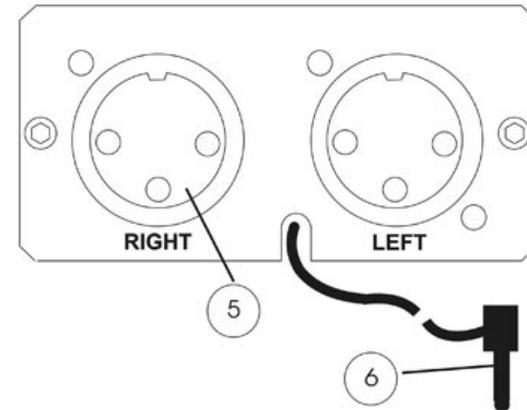
Set the switch to MONO if using a single microphone. Set it to STEREO when using two microphones.

#### 3. Gain Control

Each channel of the DXA-FX has a gain control to provide the optimum amount of amplification for your particular microphone. Note that even with the gain setting fully counter clockwise for minimum gain, you will still get some audio signal.

Set the gain control on the adapter for the desired volume level on the camcorder. Sensitive condenser type microphones like the popular Sennheiser ME66 will require a minimum amount of gain while most dynamic type microphones require maximum amount of gain. Use the level indicator on the camera as a guide. Be sure not to activate the red bar on the level meter to avoid distortion. See the limiter description for information on proper gain setting when the limiter is active.

## Rear Panel Controls and Connections



#### 4. Limiter

Each channel has an independent limiter to prevent distortion caused by excessively hot inputs. We recommend that this switch be activated at all times to ensure clean, distortion free audio. When activated, the corresponding LMT indicator will flash in proportion to the amount of limiting. Set the gain control on the adapter so that the indicators are flashing occasionally. Be sure that the camcorder level is set to 3. The input signal level to the camcorder is set to a maximum of -36dBu regardless of the input level to the adapter. Verify that the red bar on the level meter does not activate, otherwise reduce the gain using the AUDIO LEVEL control on the camcorder. Once the camcorder and adapter gain controls are set correctly, you will be ensured perfect audio levels every time.

#### 5. XLR Inputs

The two XLR inputs can accept balanced or unbalanced connections. To convert the input to unbalanced, simply ground pin 1 to 3 on the XLR input cable.

#### 6. Output Cable

The attached shielded cable terminates in a gold plated, stereo mini plug connector. Plug this into the microphone jack on your camcorder as described above.