

## Specifications

<b>Input Level</b>	MIC setting: -35 dBu ideal -6 dBu max LINE setting: 0 dBu ideal +36 dBu max
<b>Output Level</b>	nominal MIC levels
<b>Frequency Response</b>	20 Hz to 20 KHz (+/- 3 dB)
<b>Case</b>	Powder coated aluminum
<b>Dimensions</b>	3.25" L x 2.5" W x 1.25" H
<b>Weight</b>	10 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-2s

Operating Instructions for the DXA-2s Compact Adapter



*The BeachTek DXA-2s is a two channel, transformer balanced XLR adapter for today's small, compact camcorders. This adapter is designed to easily attach balanced or unbalanced type microphones to any camcorder with a MIC jack. The DXA-2s gives you all the benefits of using balanced audio devices for clean audio as well as control over the signal levels to ensure the best possible sound recording.*

*The DXA-2s is very easy to set up and use. Its rugged construction ensures years of use and its compact size fits neatly under any camcorder - can also be mounted to any standard tripod. Since the adapter is a passive device, it is completely silent and the premium transformers ensure superb audio.*

- 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

**T**he DXA-2s Compact Adapter allows you to attach two balanced XLR audio devices to your camcorder. Each input signal is sent to a MIC/LINE switch to allow you to set the proper level, then to an audio control to adjust attenuation. The balanced input signal is then converted to an unbalanced output through an impedance matching transformer. Finally, the output signal is sent through an attached shielded cable terminating in a stereo mini-plug that connects to your camcorder's microphone jack.

The auxiliary input allows you to attach wireless microphones that use standard mini-plug connectors. This signal is sent to the right channel.

A switch lets you select between stereo or mono operation. For stereo operation, the adapter sends the left input signal to the left channel and the right input to the right channel. The two channels are never mixed allowing you to access both channels during editing for maximum versatility. For mono operation, both channels are mixed together - ideal when using only one audio source to give you two channel recording.

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 preamps. Microphones with a sensitivity rating of greater than -40 dBV are ideal.

## **Operation**

### **Mounting and Connection**

Mount the DXA-2s securely to the tripod bushing on the under side of your camcorder. Connect the cable from the DXA-2s to the camcorder's microphone jack. The camcorder's onboard microphone should now be disabled. You are now ready to attach external audio devices to the adapter.

### **AUX Input**

To attach audio devices with mini-jack connectors, use the AUX input on the adapter. This sends the signal to the right input and you should therefore disconnect any cables from the right XLR connector to avoid interference.

### **Ground Lift Switch**

Set the G1/G2 ground switch on the DXA-2s to the position that gives you the least amount of noise. This switch allows the input and output grounds to be isolated to prevent ground noise on some Sony camcorders.

### **MONO / STEREO Switch**

Normally you would use the STEREO position when recording from two audio sources and MONO when using a single sound source. When in MONO mode, be sure to keep the volume control for the unused channel fully clockwise to reduce the loading effect on the working channel.

### **MIC / LINE Switches**

To connect a microphone to either channel of the DXA-2s, set the corresponding MIC/LINE switch to MIC. To connect a line level output from a mixer to the DXA-2s, 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.

### **Trim Controls**

Camcorders use automatic gain control (AGC) to adjust the optimum audio level for recording. If your camcorder has no way of disabling this feature, the adapter can still be used to adjust the input levels but will not override the AGC circuitry. The DXA-2s trim controls should normally be set as high as possible to achieve the maximum signal to noise ratio. If necessary, adjust either the left or right trim control to balance both inputs so they are of equal amplitude. Try to avoid adjusting the trim controls on the adapter while recording as this may introduce contact noise from turning the potentiometers - instead, set the levels prior to recording.

If your camcorder allows you to switch the AGC off, you can use this option for manual control over the audio levels. For the best signal to noise performance, the trim controls on the DXA-2s should normally be set as high as possible. If necessary, adjust either the left or right volume control to balance both inputs so they are of equal amplitude. Then set the desired recording level with the manual level control on the camcorder. Use this same control (not the adapter controls) to ride the levels during recording.

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

### **Record**

You are now ready to record your audio. With the use of a quality professional microphone, you should be able to get very clean audio for superb sound. Happy recording!