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Accuracy from the U.S.



MASTER VOLUME

POWER

SOURCE

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American
Custom System
ACS1



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The ACT I is more than just a component, it is the embodiment of an idea called American Custom Theatre. Until American Custom Theatre, home theatre revolved around movie theatre sound as the ideal. We at Mondial understood that movie theatre sound could be surpassed. This led to the birth of American Custom Theatre.

We do not view home theatre as a predetermined package. The system must be customized to the requirements of the room and the listeners. The mass market idea of "one size fits all" is fine for those who cannot afford the cost of customization. However, you may find that an American Custom Theatre system is more affordable than many mass market systems. One reason for this is the very high value that U.S. made Acurus is internationally known for. Acurus components have been proclaimed "Best Value" by magazines in America, Asia and Europe. Another reason is our highly discriminating process of dealer selection. They have experience in the mixing and matching of components to best suit your individual needs. When a system is purchased from one of our dealers, they do not charge extra for this knowledge and expertise. In addition, we will consult with them in determining which components, when combined with the ACT I, will yield the best results for your particular situation. The end result will be better sound than a movie theatre.

THE INTERRELATIONSHIP OF SOUND, VIDEO AND CONSTRUCTION

At Mondial we understand the relation between construction quality and audio/video performance. You cannot achieve high quality sound and video reproduction without high quality construction.

When superior engineering is combined with superior parts and construction, the highest levels of performance are attainable. The audio and video stages are engineered on separate circuit boards to prevent their individual signals from interfering with each other. The power supply is located on its own circuit board to isolate the audio and video circuits from electromagnetic radiation. This is also the reason why no power amplifiers are contained within the ACT I. The large power supply needed for the amplifiers would generate increased noise and distortion in the original signal.

The audio, video and power supply circuit boards are composed of glass epoxy, the same material used for medical and military circuitry. Tight tolerance components, such as 1% metal film resistors are used throughout. Quality wave soldering ensures that no component on the circuit board is exposed to excess heat that can have a negative effect on its life span. The Dolby surround processor circuit is the same found in processors costing several thousand dollars. The end result is a more detailed and refined sound along with accurate video reproduction.

THE REDEFINITION OF HOME THEATRE

Mondial Designs has not only redefined the quality of home theatre but also its use. We understand, that in many homes, the American Custom Theatre will be enjoyed by the entire family. We therefore designed a surround sound processor that everyone in the family can easily use. Simplicity with total control is a hallmark of our design. Two machined aluminum knobs are the only controls that reside on the ACT I front panel, yet they provide access to all the settings you need when not in your favorite listening location. The first knob, when rotated clockwise switches the power on or off and when rotated counter clockwise switches between sources. The other knob controls the overall volume. All other adjustments, such as front to rear balance, need to be done from the listening position. A full featured, easy to use remote is provided for this purpose.

The on screen programming is exceptionally logical and straight forward. For example, to change the source from your listening position, simply touch the source button and the selection of sources will appear on the television screen along with an arrow. Touch the source button again to move the arrow to the source you wish to use and you're ready to enjoy the American Custom Theatre experience.

FLEXIBILITY FOR SUPERIOR PERFORMANCE

The ACT I allows for flexibility of operations in order to generate superior audio and video reproduction. The video section contains both composite and S-video inputs. It allows for recording one source while viewing another. For bass extension it contains subwoofer outputs with and without built in crossover. The rear and center channel output levels can remain as originally adjusted during setup or be easily readjusted at any time.

The flexibility to readjust output levels after initial setup is extremely important. It allows for subtle changes from source to source, movie to movie and different seating locations. The ACT I's flexibility easily yields uncompromised results.

The ACT I also allows the use of different types of sources. For Dolby encoded sources, such as movies, it accurately decodes the signal. For monaural sources, such as local television broadcasts it will create a synthesized surround effect. For stereo sources it has a mode that converts stereo into surround. To listen to either stereo or mono signals, as originally intended, it has a bypass mode.

BETTER SOUND THAN A MOVIE THEATRE

We at Mondial Designs are proud to have taken movie theater sound to a new level of realism with the American Custom Theatre. Now the best seat in the house is in your house.

"Dolby" and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation. Licensed under one or more of the following patents: US-3,632,886; 3,746,792; 3,959,590 Canada-1,004,603; 1,037,877.

SPECIFICATIONS

Separation Front center to Surround:
65 dB referenced to 1KHz
Left to Right:
45dB referenced to 1KHz

Frequency Response

Front Channels:
3 dB 18 to 20,000 Hz

Dolby Surround:
Dolby Pro Logic™ specifications
Music Surround:
3 dB 18 to 20,000 Hz

Output Noise, A Weighted

Front Channels:
-75 dB at 1V RMS,
Dolby Surround:
-65 dB at 1V RMS,
Music Surround:
-75 dB at 1V RMS,

Subwoofer Crossover: 100 Hz

Steering Separation: 35 dB

Audio Input Impedance: 47K Ohms

Audio Inputs: 3

Video Inputs: 3

Functions:

Delay (15 to 40 milliseconds),
Test Tones, Mute, Record, Select,
Volume (center, rear & overall),
Center Mode, Surround Mode,
Auto Input Balance

Power Requirements:

120 VAC/60Hz or 220 VAC/50Hz

Dimensions:

17" W x 10.5" D x 3.5" H

Weight: 15 lb.

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