

# SR 230 DUAL PROJECTOR EXPANDER



MADE IN U.S.A.

## DUAL STEREO PREAMPS WITH SOLID STATE CHANGEOVER AND REMOTE MANUAL OR AUTOMATION OPERATION

### FEATURES

- Dual Low Noise Preamps
- Stand Alone Applications
  - Remote Changeover
- Exciter or Electronic Changeover
- Automation Capability
  - Silent Operation
- Quality Engineered

The Smart SR 230 is a companion unit to the SR 130 Optical Stereo Decoder. This unit allows the decoder to accept two projectors into the system. Solid state switching between projectors is totally silent because of a delayed quick fade between machines. An internal switch permits either exciter lamp or electronic changeover. Remote L.E.D. outputs indicate which machine is activated.

The SR 230 has four low noise solar cell preamps. Each pair of preamps accepts a stereo solar cell input with individual trim controls for perfect balance between cells. The preamps are switched as pairs through the changeover circuits. Internal high-low switches select either 2 volt RMS outputs or 10 MV outputs for each preamp pair. The 2 volt outputs will drive a power amplifier or drive-in FM multiplex amplifier directly without additional gain stages. The SR 230 can therefore be used as a two projector direct, stand alone unit for left and right stereo applications. The 10 MV output position allows the output of the SR 230 to be compatible with the input requirements of the SR 130 Optical Stereo Decoder for two projector requirements.

The very low noise of the SR 230 is due to its fully regulated well filtered power supply, and the use of ultra low noise preamp integrated circuits. The unique design of the unit allows it to be used as a simple left-right stereo, a drive-in stereo preamp, a dual projector expander, or head-end preamps with stereo solar cells for theatres with future system expansion plans.

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THEATRE SYSTEMS

## SMART THEATRE SYSTEMS

P.O. BOX 80361, ATLANTA, GEORGIA 30341 404/422-1082

## PERFORMANCE SPECIFICATIONS

<b>Frequency Response:</b>	20 to 20,000 kHz $\pm$ .5 dB
<b>Input Sensitivity:</b>	10 MV for 2 Volt RMS Output High Level Position 10 MV for 10 MV RMS Output Low Level Position
<b>Projector Trim Range:</b>	10 dB each Channel
<b>Maximum Gain:</b>	48 dB per Channel
<b>Maximum Output Before Clipping:</b>	6 Volts RMS
<b>Distortion:</b>	.25% THD Full Output
<b>Signal to Noise Ratio:</b>	Greater than 70 dB
<b>Power Consumption:</b>	2 Watts 117V 50/60 Hz
<b>Weight:</b>	4.5 Lbs.
<b>Dimensions:</b>	1 $\frac{3}{4}$ " X 6" X 19" Rack Mount
<b>Color:</b>	Theatre Black

## ENGINEERS SPECIFICATIONS

The Smart SR 230 is a four channel solar cell preamplifier with electronic changeover between pairs of preamps. The unit contains its own power supply, solid state logic and electronic switching. Front panel L.E.D.'s indicate which projector is on. Switching is totally silent and controlled by remotely actuated manual switching or automation equipment. Remote L.E.D.'s indicate projector in operation. A high-low internal switch allows a unity output or 2 volt RMS output to drive power amplifiers directly. Color coded terminals make hookup easy. Special low noise integrated circuits in the preamp provide exceptionally quiet performance. A heavily filtered regulated power supply provides low ripple voltage to all circuits. The SR 230 is intended to be used as a companion to the Smart SR 130 Optical Stereo Decoder.

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