

# Technical Data Sheet

## SolidAudio DIGITAL REPEATER MODULE



**SolidAudio** is a high quality playback-only, Digital Audio Repeater Module which can play up to 8 sound segments in Direct Input mode and 32 segments in Controller Mode. The prerecorded speech segments and/or sound effects are stored in onboard, nonvolatile, memory (EPROM). Each segment can be a different length and is not restricted other than to the total capacity of the EPROMs used.

**SolidAudio** is equipped with an onboard 5 Watt audio amplifier capable of driving an 8 Ohm speaker directly. The volume is controlled by an onboard variable resistor. The onboard audio amplifier can be bypassed to provide line-level output for external amplification.

Using INNOVA's Sights & Sounds Controller, up to 32 separate sound segments can be accessed. The combination of a Sights & Sounds Controller and a **SolidAudio** module allows for multiple pushbutton inputs and synchronized outputs of backlights, spot lights or other special effects.

Total sound lengths for maximum EPROM CAPACITY

SAMPLE RATE->11 KHz		22 KHz	44.1 KHz
Max. Total Time:			
16 bits	180 Sec.	90 Sec.	45 Sec.
8 bits	360 Sec.	180 Sec.	90 Sec.

In Direct Input Mode each sound segment is played by momentarily input to one of the 8 trigger pins from a pushbutton. In Controller Mode an external controller can be used to access up to 32 separate sound segments.

### Applications:

- General Exhibit audio
- Diorama Narration
- Ambient Environment Audio
- Question and Answer Game
- Sequenced Audio
- Interactive Audio Exhibits

