

# The SMART AMP

Automatically adjusts output volume

## APPLICATIONS

- EXHIBIT HALLS •
- DISPLAY AUDIO •
- MINI-THEATERS •
- TRADE SHOWS •
- INTERACTIVE KIOSKS •
  - PA SYSTEMS •
  - CD/LASER DISC •



The new **SMART Amp** from Stop and Listen is a high fidelity 8 watt monaural audio amplifier with a *twist!* that's bound to please both staff and visitors. Using the supplied audio sensor, the **SMART Amp** listens to background noise levels, then adjusts the output level either up or down to compensate. The end result is that your audio material can be heard even when Mrs. Smith's 3rd-grade class rolls in after a long bus ride. After everything settles down, the **SMART Amp** settles the audio back down to more reasonable levels.

Installation is simple: just place the audio sensor in a suitable location, hook up your speaker and audio source and it's ready to go to work. The **SMART Amp** is built so tough it even comes with a full **5 year warranty**. A line level output is also provided for connection to your existing PA system.

Whether it's a new application or solving problems with current installations, the **SMART Amp** is an economical and solid solution for any areas where volume level control is a necessity!

Available options include: output speakers, pushbuttons, motion sensors, Podium, handsets, etc.

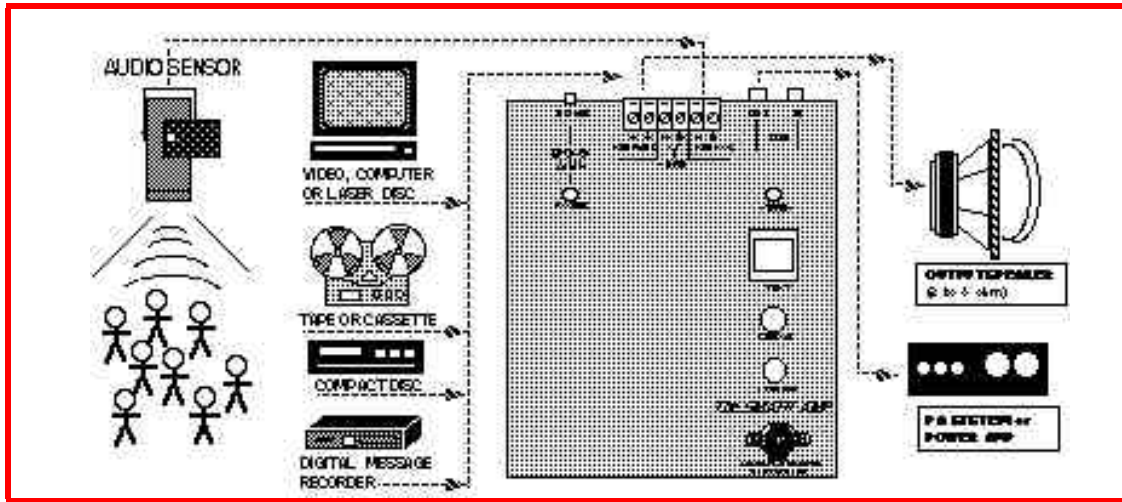
**MAKING AUDIO EASY...**

**STOP & LISTEN**

DETAILED SPECIFICATIONS ON REVERSE

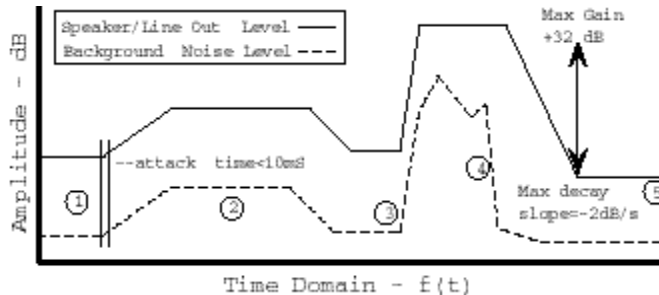
# The SMART AMP

## Technical Specifications



### Here's How It Works

- ① - quiet background noise
- ② - small group detected
- ③ - Mrs. Smith's 3rd Graders!!
- ④ - Whew!, there they go
- ⑤ - all's quiet again



## Specifications: The SMART Amp

Monaural 8 watt Hi-Fi Audio Amplifier with built-in limiter and auto output attenuation

Frequency Response	20 Hz-20 KHz +/- 3dB
Signal/Noise Ratio	80dB @line-out @max gain
Audio Input	Line Level (200 mV to 16.0V p-p sensitivity), built-in limiter function
User Controls	Attenuation range, master volume, AUTO/TEST mode, sensor sensitivity
Indicators	AUTO/TEST Status, POWER Status, sensor power status
Audio Sensor	Condenser type, includes feedback suppression filters
Audio Output	2 to 8ohm, 8 watts @ 4 ohms, adjustable
Output Attenuation	-20dB, speaker, line out
Connections	Line in, line out, speaker out, power, sensor (via 6 pin ejection header)
Output Tracking	Chain: allows for daisy-chaining Smart Amps to a single sensor
Power Consumption	10ms attack resp., linear tracking, max 20dB atten., max decay = -2dB/s
Construction Standard	500 mA @ 12 VDC (typical, average)
Operating Temp	Industrial/Commercial, carbon steel enclosure
Dimensions, Weight	-20°F to +130°F (-30°C to +55°C)
Warranty	4.00" w x 6.00" d x 1.25h, 1.8 lb
	5 year parts and labor

Includes 12VDC Power Supply, Audio Sensor w/ mounting hardware, 5 year Warranty

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**Stop and Listen**  
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