

Amplifier Modules

Audio amplifiers for gaming machines



Features

- High quality audio amplification
- Class D - high efficiency
- Cost effective
- Compact size

Introduction

The Advantech-Innocode audio amplifier modules are ideal for use with Advantech-Innocode gaming platforms that do not include on-board amplifiers. They provide good quality audio reproduction with a range of speakers while maintaining an overall low cost for the system.

Two models are available; a stereo model (80-1760) and a three channel channel (surround sound) model (80-1758)

Feature Summary

General	High performance Class B amplifiers
	Line level inputs optimized for the audio codecs used on Advantech-Innocode gaming products
	Audio jack input
	Screw terminal outputs
	Compact small size
Two channel amplifier module	Left and right channel amplified outputs
	8 Watt per channel
Three channel amplifier module	Left, right, low frequency amplified outputs
	Onboard filtering produces low frequency output
	5 Watt per channel left and right plus 4 Watt low frequency amplified outputs

Two channel amplifier module (80-1760)

Input	Stereo line level, 1V (p-p), optimized for audio codecs used on Innocode products
Output	8 Watts RMS per channel into 4 Ohm left and right 95 dB(A) at 1m typical music power
Recommended Speakers	4 Ohm or 8 Ohm, 15 Watt, full range Misco KC620W-4B or similar
Connectors	Audio input: 3.5mm stereo jack Power input: 12VDC (11 to 14 VDC). 4 pin DC ATX style socket. 25 Watt min. required Speaker Output: Screw terminal blocks
Safety	Thermal cut-out protection Self resetting fuse
Volume control	Via PC application software and driver
Mechanical	75 (L) x 60 (W) x 27 (H) mm Mounting holes: Four corners, 3.2mm diameter, 5mm in from edges.

Three channel amplifier module (80-1758)

Input	Stereo line level, 1V (p-p), optimized for audio codecs used on Innocode products
Output	5 Watts RMS per channel into 4 Ohm left and right 4 Watts RMS into 8 Ohm LFE 90 dB(A) at 1m typical music power
On board filter for LFE	LFE signal generated from left line inputs Roll off -3dB at 200Hz
Recommended Speakers	Left and right: 4 Ohm or 8 Ohm, 15 Watt, Misco KC620W-4B or similar LFE: 8 Ohm, 15 Watt with at least 6 inch diameter cone and suitable bass speaker sound box if possible
Connectors	As per stereo model
Safety	Thermal cut-out protection Self resetting fuse
Volume control	Via PC application software and driver
Mechanical	85 (L) x 60 (W) x 27 (H) mm Mounting holes: Four corners, 3.2mm diameter, 5mm in from edges.

Benefits

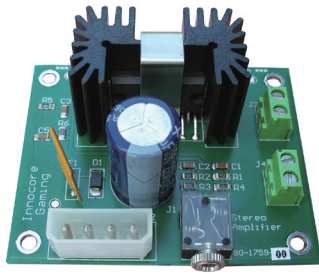
Audio for gaming machines, VLTs and kiosk machines
Low cost
High performance
Long lifecycle

Optional Extras

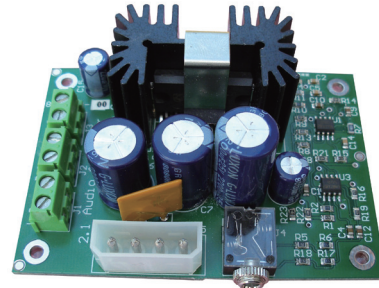
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Two Channel Amplifier



Three Channel Amplifier