



MCA16

Professional Series

16 Channel Power Amplifier
1,280 Watts RMS total



Typical System Applications

- Multi-Room Audio
- Outdoor Audio
- Restaurants
- Night Clubs
- Home Theater
- Hotels
- Music Servers
- Background Music

Key Features

- 16 channels , 80WRMS/CH, 1280 watts RMS max total
- Triple fan cooled , front chassis air draw
- Rack mount option

High Performance

The MCA16 is a 16 channel power amplifier designed to meet the demands of custom installers who need more power , features and reliability. Each of the 16 channels are capable of delivering 80WRMS/CH. The MCA16 utilizes the latest technical advancements to produce reliable , clean power for today's demanding applications.

Control of all functions of the MCA16 are via RS232 interface, with USB update of all firmware. Each unit is uniquely addressable.

Audio Inputs (8 stereo inputs total)

Reliability

Using ILAB's proprietary Power Management Circuitry (PMC™) , the MCA16 continuously monitors the output power of each channel to keep it within safe limits. If the MCA16 is over-driven , ILAB's PMC™ subtly reduces the volume automatically in steps until the channel is within safe operating limits. The result is power output that is not clipped or exceeds the safe operating limits.

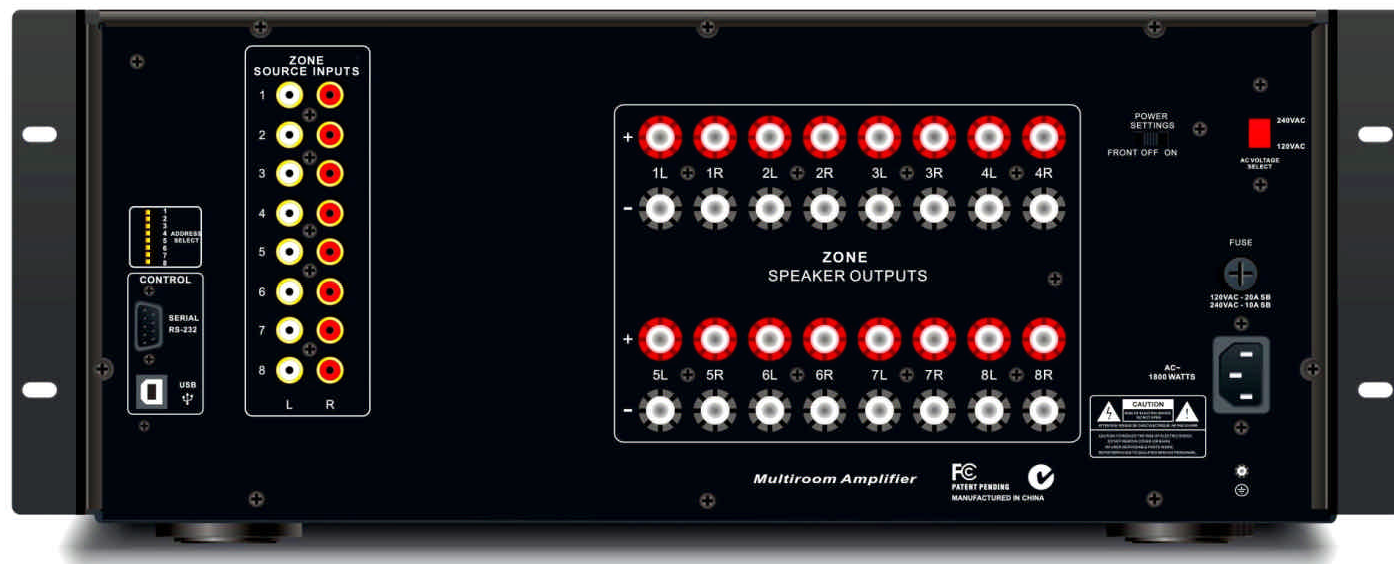


PC based Sample Test/Control Software

Software specification available to allow for control/feedback via touch screens, computers, etc.

Note: Not all functions shown above are available for MCA16, if more functions required then please refer to MCA89.

MCA16 Specifications



Power Output

16 Channels
80 Watts RMS /CH @ 8 ohms , all channels driven
80 Watts RMS /CH @ 4 ohms , all channels driven
ILAB's innovative PMC \ddot{a} technology monitors and controls power output levels so as not to exceed 80W RMS per channel regardless of load impedance. The amplifier circuitry is capable of 130WRMS/CH , but the output is automatically controlled and limited to 80WRMS/CH for extended life.

Load Stability

Un-Bridged : 4 to 8 ohms
Remote temperature feedback to host controller

Audio Inputs

8 stereo Audio channels

Audio Outputs

8 stereo amplifier Zones
Individual Mute for each Zone

Software Control Functions :

Individual Zone on/off control and status feedback
Internal temperature status feedback
Zone fault status feedback
Software update via USB

Other:

Dual torroid main power supplies.
Triple fan cooled and oversized heatsinks.
All steel chassis with brushed anodized aluminum front panel
120/240VAC selection via rear panel

Dimensions : 6.97" (4U) height x 19" wide with removable rack ears (17" chassis) x 21.75" deep

Weight : 69.5 lbs