



**MULTIZONE  
SERIES**

**50 WATT MULTIZONE AMPLIFIER**  
*Stereo or Mono Operation*



*With no Limitation on the Number of Zones that can be Created*

A Paging and Audio Amplifier System that can be managed from a Central Location or at each Zone, making it a cost effective solution for Restaurants, Hotels, Stores, Offices, Warehouses, or in fact anywhere where Zone Placement and Control is required.

**Perfect for Global Emergency or Selective Zone Paging**

**GLOBAL OR SELECTIVE ZONE PAGING**

Normally each Zone is individually controlled. There are times however, when the Central Source will need to override all zones for Emergency Paging, or say in a typical Restaurant situation where only a selected Zone needs paging. In these situations the Central Location has totally control, overriding any or all Zones.

The MultiZone System consists of two low cost units, a **Paging Mixer and 50 Watt RMS Amplifier**. Because of its Flexible design, the Paging unit is only required where you need paging. Each Paging Unit and Amplifier is Dip Switch Set with a Unique Address during installation, so that each unit can be Individually or Globally Controlled.

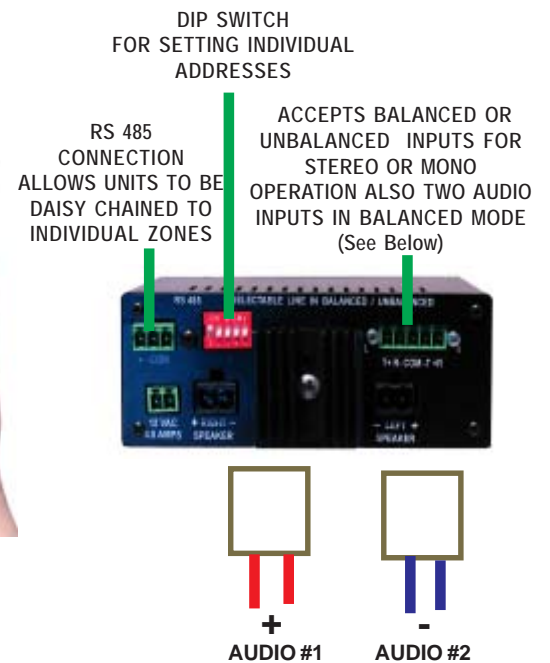
*OUR RS 485 AMPLIFIERS & PAGERS ELIMINATES HOME RUNNING WIRES BACK TO THE SOURCE*

In addition to overcoming the limitations of the RS 232 method, RS 485 Control allows Units to be installed over greater distances.

**MULTIZONE PAGING UNITS**  
The Multizone Paging Mixer is fully described in a Separate Leaflet "Multizone Paging Mixer"



The Paging Mixer uses any Low Impedance Dynamic Push to Talk Microphone



**TWO AUDIO INPUTS**

The Amplifier can accept two different Input Devices in the Balanced Stereo Configuration shown on the right. Input Device #1 uses the two RED (+) connections and Audio Device # 2 uses the 2 BLUE (-) connections. All of the different methods of Inputs possible including both Balanced and Unbalanced Connections are fully explained in the INSTRUCTION Leaflet.

**RS 485 TWO WAY COMMUNICATION CONTROL**

Amplifiers & Paging/Mixer Units are Two Way Controlled by



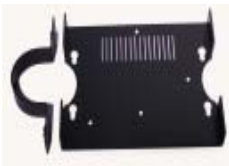
Each Controller Port supports up to 31 Zones. Depending on the Controller used each additional Port supports an additional 31 Multizone Devices. For Example 5 Controller Ports x 31= 155 Multizone Devices

In Multiple Zone Applications each unit is "Daisy Chained" providing Two Way Communication for individual, Selective or Global Control using AMX®, Crestron®, 1U Control or Aurora Waci® Devices or using the supplied Protocol, Installer/Software developers can incorporate these units into any Custom Application.

**DAISY CHAINING THE AUDIO**

A similar method is used to provide Audio at each Station or Zone, or Individual Zones can have its own Audio Source.

**For Pricing, Technical and Mounting Ideas See other side**



For Safety reasons, our Amplifiers are screwed onto the Multi Purpose Bracket which can be fitted to a Projector Pole or any Flat Surface

All Cables run inside the Projector's Pole  
Eliminate untidy Tie Wraps



Pole Mount Platform fits between two pieces of the Projector's Pole

Built in Power Outlet.  
For Safety reasons, our Amplifiers are screwed onto the Platform

Conceal all your equipment inside the Lockable StrongBox



Up to four Amplifiers can be fitted taking up only 1 Rackspace

**NEED TO HIDE THE EQUIPMENT IN THE PLENUM OR CEILING SPACE**

Hidden from view our new Plenum Rated Equipment Box allows the Amplifier, Power Supply, AC Receptacle and all the Cables to fit inside. All Cable runs are routed internally, so that the entire unit meets UL 2034 and all Electrical Codes for **Plenum Rating**.

**PLENUM RATED**

Our Plenum Rated Equipment Box contains a 1 gang Receptacle for powering both the Amplifier and any other equipment concealed inside

**AMPLIFIER SPECIFICATIONS**

- 50 watts Stereo into 4 Ohms (25 watts per Channel)
- 75 watts Peak Music Power
- Frequency Response: 15 Hz - 22 kHz
- Signal to Noise Ratio: -65 dB
- Total Harmonic Distortion: .003 dB
- Dynamic Range: 115 dB
- Overload Protection: Built In
- All Screw Connectors

**AUTO POWER SAVING MODE**

Power is reduced to .025 amps in Stand By Mode

**REQUIRED OPTION**

Power Supply UL/CSA Listed  
110V - 24V 3.3 Amps DC



All Cables Enter & Exit Inside the Projector Pole

**USES STANDARD TWISTED WIRE (NOT SUPPLIED)**

The RS 485 Port is a **Two Way Device** that receives its instructions from a variety of Controllers such as AMX® NI700 /900, Crestron's® Units, 1U Control or Aurora's Waci®. Once commands are received by the Amplifier, confirmation is sent back to the Control Device.

**RS 485 PORT SPECIFICATIONS**

The Protocol can be downloaded from our Web Site free of charge or you can contact your Program Engineer for specific Control Functions that you may want to be programmed.

NB485M-ZA	Multizone 50 watts RMS Mono/Stereo Amplifier with RS 485 Control	\$ 449.95
NB-PSU-NIV	Auto Sensing Power Supply 110v-240v 24 v DC Ouput 3.3 Amps	\$ 79.95
NB-485P-M	Multizone Pager/Mixer with RS 485 Control	\$ 449.95
NB-12D-CP	12v .300 mAmps DD Power Supply for Paging Mixer	\$ 29.95