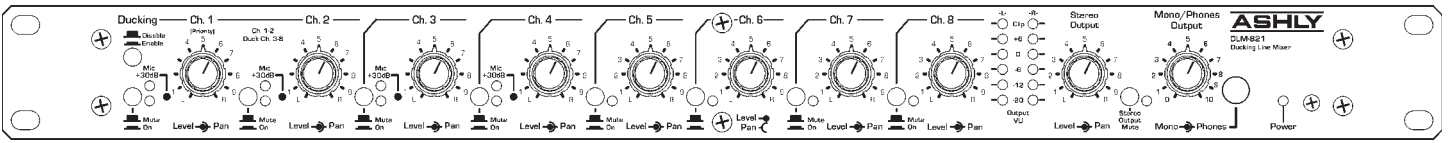




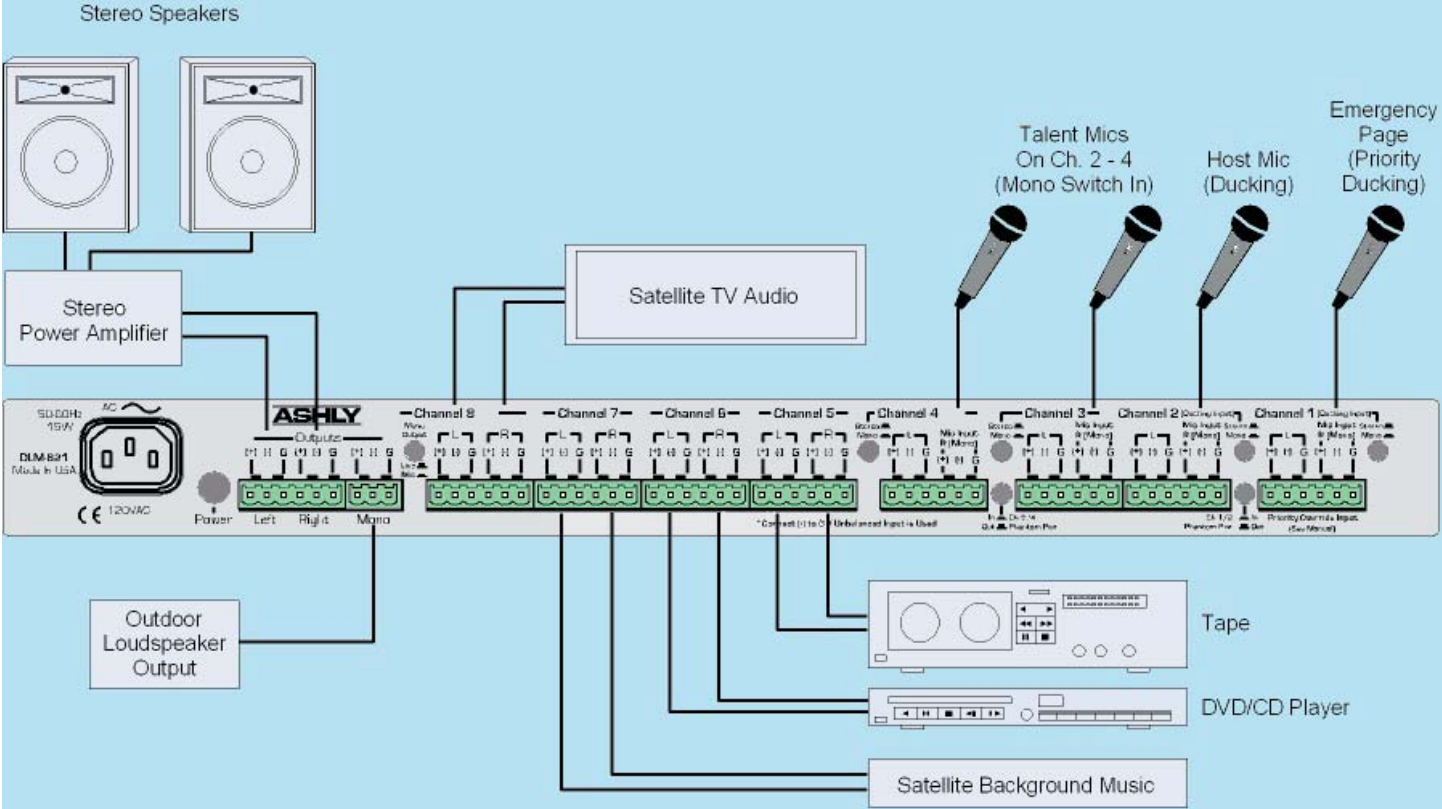
# DLM-821 Ducking Line Mixer Application Notes



- **Balanced Inputs and Outputs**
- **Eight Stereo or Sixteen Mono Inputs**
- **Euroblock Audio Connections**
- **Individual Left, Right and Mono Outputs**
- **Mono Output Switchable between Mic and Line Level**
- **Channel 1 - 4 Selectable Mic or Line Inputs**
- **Ducker (Ch 1. or Ch 2.) Ducks Outputs 3 - 8**
- **Channel One Priority Override**
- **L & R Level Meters w/Clip Indicators Monitor all Internal Amplifiers**
- **+18V Phantom Power on Mic Inputs**
- **Individual Channel Mute Switches**
- **Stereo Output Mute Switch**
- **Stereo Headphone Output with Level Control**

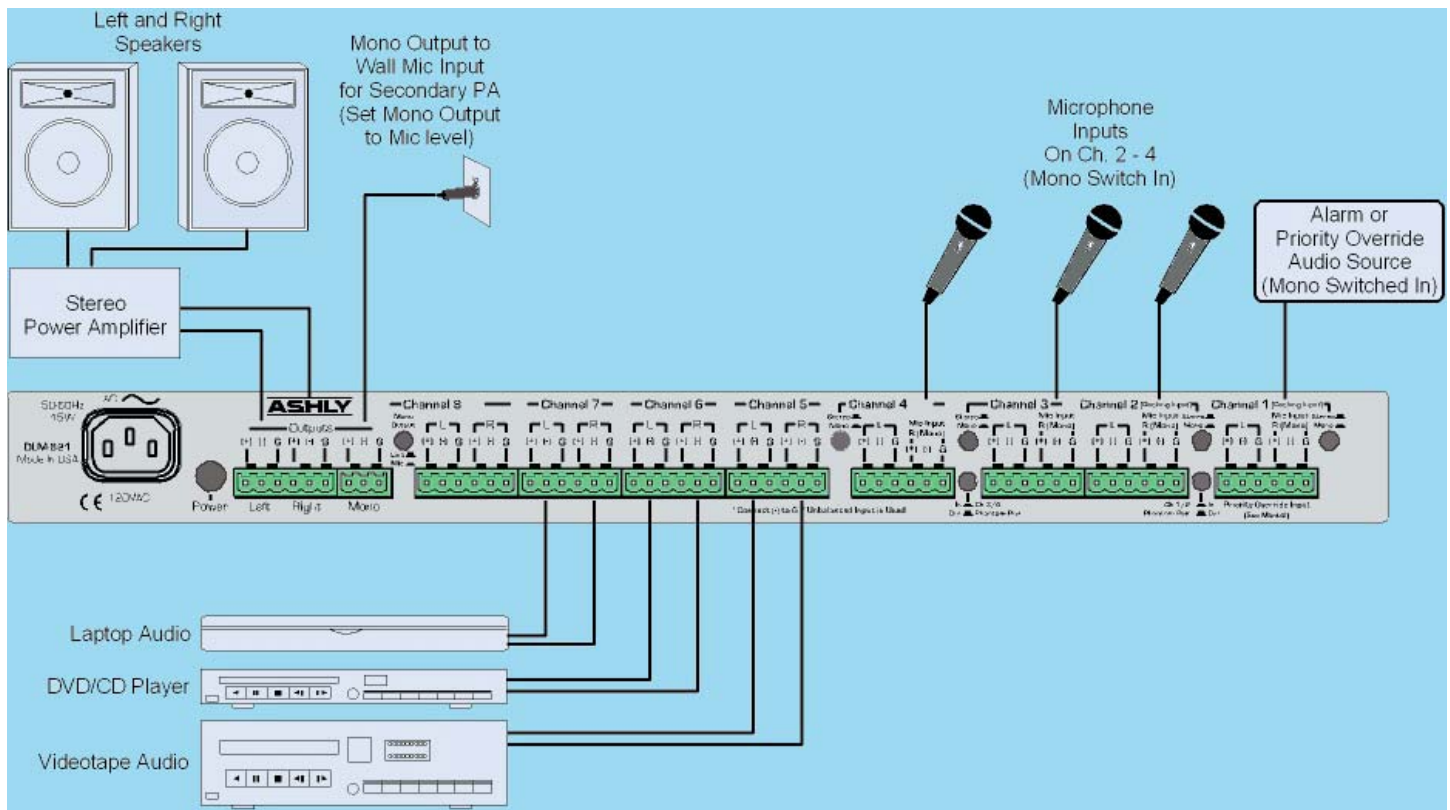
### Restaurant/Sports Bar System:

In this application, a variety of line level audio signals (tape, CD, satellite background music and TV) are fed into line inputs five through eight. Talent mics are fed into inputs three and four. A host paging mic is fed into input 2 which will duck (attenuate) three through eight. An emergency paging mic is fed into input one and channel one priority is internally selected. An emergency page signal will then fully attenuate all other inputs. Inputs one through four should all have their stereo/mono switches pushed in. The mono output is fed into an existing mic mixer/PA amplifier. The mono output mic/line switch should be pushed in to give a mic-level output to this existing mic mixer.



### Church, School Or Meeting Room Sound System:

The DLM-821 is used to mix sources typically found in a church, classroom, or meeting room. Channel 2-4 inputs are used for microphones for vocal or instrumental pickup. Channel 1 is fed by an alarm signal having priority and fully attenuate all other inputs if it is activated. Channels 1 through 4 will have their Stereo/Mono switch pushed in. The remaining input channels are used for audio outputs from video/DVD players, cassette deck, CD player, computer sound card, etc. One input channel is reserved as a spare. The power amplifier (or any additional equalizer or electronic crossover which may be used) is fed from the main output connectors. The Mono output is connected into the wall mic jack to feed the mix into the building's main PA system.



### Small Sound Reinforcement System

The DLM-821 is used to mix typical sound sources that might be found in a small club, school theater or similar environment. Input channels 1 & 2 are used for microphones for vocal or instrumental pickup. Input channels 3-8 are used for the output of electronic music devices such as keyboards, drum machines, etc. The power amplifier (or any additional graphic equalizers or electronic crossovers which may be used) is fed from the main output connectors.

