

## Digital Audio Amplifiers

# KD-AMP220

2 Channel 20 Watt Per Channel, Compact Digital Audio Amplifier

### Key Features

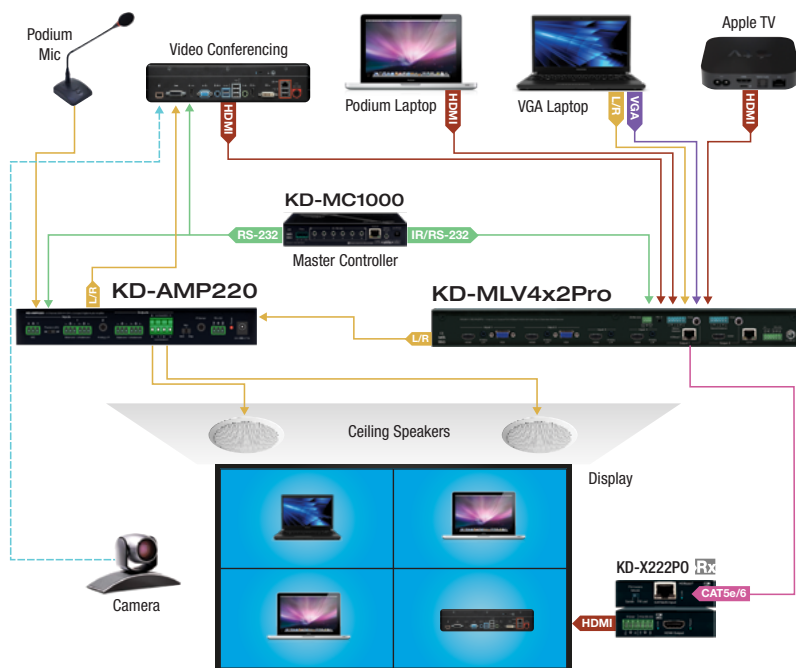
- › **Class D Amplification:** 40-Watt @ 8ohm / 20-Watt @ 4ohm
- › **Mixing:** Output is a mix of microphone and the selected audio input
- › **Signal Processing:**
  - › Variable volume level set for each input
  - › Variable volume, bass, and treble for output
- › **Inputs:** Microphone (3-pin balanced, condenser/dynamic), 6-pin balanced stereo, 3.5mm stereo
- › **Phantom Power:** 48V phantom power for integration with condenser microphones
- › **Outputs:** Pre-amp line level (6-pin balanced), speaker level
- › **Speaker Level Output:** Bridge, stereo, or mono modes selectable
- › **Noise gate:** For consistent audio levels, prevention of ambient noise
- › **Control:** Front panel, RS-232, IR with external IR Sensor (included)
- › **Compact Size:** 4.84"(W) x 3.42"(D) x 1.3"(H)



### Specifications

- › Frequency Response: 20Hz – 20KHz
- › Signal to Noise Ratio: <80dB
- › Total Harmonic Distortion: <1% @ 1KHz, < 0.3% @ 20KHz
- › Input Impedance:
  - › Mic: 35Ω with 48V phantom power applied, 10K Ω without
  - › Line: >10K Ω
- › Output Impedance:
  - › Speaker: 4Ω – 8Ω
  - › Line: 50Ω

### Advanced System Design Example



### Basic System Design Example

