



Feature:

- Programmable 8-Channel Digital Conference Mixer: Embedded with a 32-bit ultra-high-speed RISC processor, high-performance real-time embedded operating system, and fully digital circuit design. Integrates digital mixer and conference functions, specifically for small-scale meetings.
- PC Software: Can be used to set and view all parameters via a driver-free USB connection.
- Individual Microphone Name Tags: Each microphone can be independently assigned a name tag, with real-time display of microphone status.
- Real-Time Volume Monitoring: PC software and main unit display microphone volume levels (even when the microphone is off) and main output volume, simplifying on-site adjustments.
- Bidirectional Data Synchronization: Changes made on either PC software or the main unit are automatically reflected in real time on the other side.
- RS485 Encoding Function: Convenient for cascading multiple devices for control.
- Microphone Control: Supports up to 8 microphones, each with independent control for volume, priority, speaking time, voice activation sensitivity, and phantom power.
- Conference Modes: Includes FIFO (First In, First Out), Limited Mode, and Priority Mode.
- Adjustable Speaker Numbers: The system can support 1 to 8 speakers, meeting a variety of on-site needs.
- Microphone Modes: Each microphone can be set to mute, always-on, or normal voice-activated mode.
- USB Driver-Free Upgrade: The system allows on-site upgrades and parameter fine-tuning via a driver-free USB connection.
- Independent Microphone Time Setting: Each microphone's auto-off time can be set independently, up to 999 seconds.
- State Change with Encoding Function: The microphone status change triggers encoding, with the option to enable/disable through software. The encoding interface can be customized.
- Central Control Function: Supports two-way central control serial interface to set all system parameters.
- Self-Diagnostic Function: The system has a complete self-test function for diagnosing common faults on-site.
- Adaptive Gain Function: Automatically adjusts input

Specification:

| Category | Specification |
|---------------------------------------|---|
| Input Power Voltage | 220V ($\pm 10\%$) |
| Power Consumption | <50W |
| Microphone Phantom Power (Output) | 48V ($\pm 1V$) |
| Signal-to-Noise Ratio | >75dB |
| Total Harmonic Distortion | <0.5% |
| Channel Separation | >95dB |
| Microphone Frequency Response | 70Hz - 18kHz |
| Microphone Input Impedance | 1K Ω |
| Voice Control Sensitivity | -63dB to 0dB (63 levels adjustable, 0 = off, attenuation >95dB) |
| Microphone Volume Adjustment | -63dB to 0dB (63 levels adjustable, 0 = off, attenuation >95dB) |
| Total Output Volume | -63dB to 0dB (63 levels adjustable, 0 = off, attenuation >95dB) |
| Total Input Volume | 63dB to 0dB (63 levels adjustable, 0 = off, attenuation >95dB) |
| Balanced Output Impedance | 1K Ω |
| Unbalanced Output Impedance | 1K Ω |
| Unbalanced Input Impedance | 3.9K Ω |
| Microphone Recording Output Impedance | 1K Ω |
| Central Control Interface | Supports RS232C female |
| USB Control | Supports USB Type B female (driver-free) |
| Microphone Trigger Voltage | <100mV |
| Microphone Turn-On Time | <350 μ S |
| Microphone Delay Time | 1-999 Seconds |
| Dimensions (W x H x D) | 42cm x 4cm x 21.5cm |