



Description

The Micro Intelligent Broadcast Media Matrix Controller is a core device for intelligent public address systems. It integrates digital audio transmission, matrix control, audio playback, intelligent timing control, zone control, intelligent fire linkage, and remote paging. With comprehensive public address features and user-friendly intelligent controls, it is designed for small to medium-sized broadcasting user requirements and is widely used in scenarios such as primary and secondary school campuses, factories, and hotels for background music and public announcements.

Features

- *Equipped with a 7-inch TFT touchscreen to configure zones, audio parameters, timing, playback, status queries, and automatic screen locking.
- *Supports 8*32 matrix control.
- *Digital audio matrix output supporting 32 zones, suitable for playing different music in different areas.
- *Supports 32-channel remote control panel inputs for zone-specific remote control and audio source input.
- *Includes 2-way MIC inputs; the MIC1 and EM-MIC interfaces can be switched between LINE, MIC, and +48V phantom power, with independent volume adjustment via potentiometers.
- *Includes 2-way AUX inputs, 1-way DVD line input, and 1-way CD line input, each with independent volume adjustment via potentiometers.
- *Equipped with USB and TF interfaces for external storage, supporting audio formats including MP3, WAV, APE, WMA, FLAC, and AAC, as well as multi-task playback.
- *Features 1-way emergency 24V forced-cut output, 1-way all-zone mute trigger input, and 1-way RS-485 interface.
- *Supports 4-way remote paging microphone inputs, capable of calling all zones.
- *Includes 16-way fire alarm trigger interfaces for localized zone alarms.
- *Includes 1-way ALERT input for all-zone alarms.
- *Includes 1-way EVAC input for all-zone alarms.
- *Features a 6.5mm jack for monitoring audio status of input and output zones via external headphones, the monitor volume output can be adjusted via the volume adjustment knob.
- *Supports multiple timing schemes (daily/weekly/monthly cycles) and can be set up with 500 sets of scheduled tasks. Each timing task can control the timing output configuration such as partition and audio input selection, which can realize automatic audio timer playback.
- *Built-in Beidou satellite timing for precise scheduling.
- *Priority Levels: Emergency Mic > EVAC > Fire Alarm > ALERT > EMC > Paging Mic > Real-time Playback > Local Source > Timed Tasks. Customizable priorities for paging mics, real-time playback, local sources, and timed tasks.
- *Supports one-key factory reset.



Specification

Network Interface	Standard RJ45 Input
Supported Protocols	TCP/IP Protocols
AUX1/AUX2/DVD/CD Input Sensitivity	350mV/10kΩ
EM-MIC/MIC1 Input Sensitivity	5mV-350mV/600Ω
EMC Input Sensitivity	775mV/10kΩ
Frequency Response	80Hz-16kHz (+1/-3dB)
Tone Control	Bass: ±10dB@100Hz / Treble: ±10dB@10kHz
Phantom Power	48V (±2V)
Forced-cut Power Output	24V/0.5A
Harmonic Distortion	≤0.1%
MIC Signal-to-Noise Ratio	≥65dB
AUX Signal-to-Noise Ratio	≥85dB
Power Consumption	30W
Power Supply Voltage	AC 110V~240V、DC 24V
Net Weight	3.8kg
Dimensions	484×244.5×132mm