



Micro intelligent PA system controller

T-6232TM



Description

The micro intelligent PA system features a 10x4 matrix control and integrates multiple functions, including playback, intelligent timing control, audio matrix, zone control, master-slave switching, partition line detection, fire alarm, and more. This system is highly integrated with broadcasting functions and humanized intelligent control features, and is suitable for the needs of users of small PA systems. It is well-suited for environments such as kindergartens, primary schools, small factories, supermarkets, shopping malls, churches, and other public spaces that require broadcasting and sound reinforcement.

Feature

1. A 7-inch color capacitive touchscreen with a physical resolution of 1024 × 600, featuring a graphical user interface that supports real-time display of system status information. Each function can be controlled either through the touchscreen or via physical buttons.
2. Adopts a quad-core Cortex-A35, 1.3GHz processor, with 16GB of built-in memory, and can preset user-specific music, alarm signals, etc.
3. The power zone has the function of switching between the main and standby amplifiers, and the automatic/manual mode can be set.
4. The 2-channel microphone input supports 48V phantom power
5. With U disk playback function, the controller supports decoding audio files in MP3, WAV, FLAC, WMA, APE, AAC, M4A, OGG and other formats.
6. It has a pre-amplifier module: 2 channels microphone inputs, 1-channel emergency PA microphone (Emergency PA microphone has priority), 4 channels line inputs, 1-channel USB input, and 1-channel radio input. The volume of each channel can be adjusted independently.
7. It has FM and AM functions, can automatically/manually search for radio stations, and can store up to 100 radio channels.
8. The screen can display the current and waiting task information in real time.
9. Features a scheduled task editing function, allowing users to program automatic playback of programs. It supports task-based settings for multi-source automatic broadcasting, with the ability to edit program content (MIC, radio, AUX, USB, etc.), volume, time, pre-output, power zones, output power, and more. The number of broadcasting task groups is unlimited.
10. Features a loop broadcasting function, supporting scheduled cyclic playback of broadcast tasks on a daily, weekly, or monthly basis. Up to 99 automatic playback tasks can be set for each day.
11. Equipped with a digital recording function, supporting 16-bit, 48kHz high-speed sampling. It allows synchronous recording and storage of audio sources such as DVD, auxiliary signals, microphones, etc.
12. Supports high and low tone adjustments ($\pm 10\text{dB}$) for 4 channels of pre-output signals.
13. It has 4-channel line output interfaces to realize the function of timing control of audio source partition.
14. It has dual timing functions, including Beidou satellite timing and automatic timing, and can continue timing after the external power supply is interrupted.
15. It features 10-zone output functionality, with each channel offering scheduled control. It also includes a load detection function that can display information such as short circuits, open circuits, and faults.
16. It has emergency microphone priority function, fire override 24V output, emergency PA input and output interface.
17. Built-in monitoring speaker with a power rating of no less than 3W, allows manual selection of any channel for monitoring, and the volume is adjustable.
18. Remote partition paging function, can support 4 units cascade.



Specification

Model	T-6232TM
Processor	Quad core 4*1.3GHz
Display	7-inch TFT touch screen color screen
MP3(USB /TF)	Can play U disk MP3, WMA, APE, FLAC, WAV, AAC and other file formats
AUX-1-4 input sensitivity	350mV /10K Ω
MIC1-2 input sensitivity	5mV-350mV/600 Ω
EMC	775mV /10K Ω
Communication	Rs485
Power zone	10 zones
Channel monitoring	Built-in monitor speaker 3W
4-channel output level	1V/600 Ω *4
Frequency response	80-16kHz (+1/-3dB)
Tone	Bass: \pm 10dB at 100Hz / Treble: \pm 10dB at 10KHz
Harmonic distortion	\leq 0.1%
MIC S/N Ratio	>65dB
AUX S/N Ratio	>85dB
2-channel microphone phantom power	48V (\pm 2V)
Override power output	24V/0.5A
EM input interface	1 channel
EM output interface	2 channel
Priority	Self-configured priority level
Beidou timing	Standard
Power consumption	50W
Supply voltage	\sim 110V-240V
Dimensions	484 x 304 x 132mm