



Broadcast Controller C01 VA-6500



Features:

- * Light indication function: AC power-the power supply status of AC power, green indicates normal and yellow indicates failure. DC power- the power supply status of standby DC power, green indicates normal, yellow indicates failure, and dark indicates it is not configured. Failure-if any equipment in the system configuration fails, the yellow light will flash and the built-in buzzer will give an alarm; dark light indicates normal or it is not configured. Emergency microphone-the working status of the emergency microphone on the panel, green indicates microphone is connected normally; yellow indicates microphone is connected abnormally; red indicates microphone is being in emergency broadcast mode.
- * System status display: the system running status can be viewed through the HD touch screen.
- * Emergency mode conversion: used for playing and switching to emergency audios; after pressing the emergency microphone button, the indicator light will turn red and keep flashing.
- * Failure silencing/exit emergency mode: used to turn off the prompt tone of the buzzer caused by the system failure, and when a new failure occurs, the indicator light and prompt tone will give prompts again / the system exits emergency mode.
- * Fire linkage input interface: 8 programmable fire linkage input interfaces, support short circuit triggering or short circuit triggering with detection; support connecting to external linkage input devices.
- * Fire linkage output interface: 8 programmable fire linkage output interfaces, support relay short circuit output; support connecting to external linkage devices.
- * System status output/external reset, failure input: fire linkage interface, real-time output of the system working status; once the system failure or fire alarm triggering occurs, the output interface will turn to the short-circuit status for convenient linkage with other devices. The emergency status reset of the system can be completed through the external reset input, and the input mode is short-circuit input.
- * External audio input: external audio can be connected through a combined audio input interface or a line input interface; the audio can be transmitted to different zones through the network to meet the needs of different places.
- * Recording and output: send the audio to the network through the network port.
- * Data transmission technology: the self-developed data transmission technology output module supports a maximum of 4 channels of simultaneous audio inputs and 4 simultaneous audio outputs; audio sampling rates support 8K, 16K, 24K, 48K.
- * Audio matrix: support playing any audio in any zone and automatic audio allocation in the zones; support setting and customizing the audio priority.
- * Zone monitoring: the controller has a 3-inch built-in monitoring speaker, and the power is 10W, the impedance is 8 ohms; it can realize the terminal monitoring of any zone in the system, and the monitoring volume is adjustable.
- * Manual/automatic control of emergency broadcast: emergency broadcast can be controlled manually or automatically; the manual control is prior to the automatic control.
- * System failure prompt: system failure has automatic sound and light prompts; the prompts can be removed manually until a new failure occurs.
- * Equipment hardware self-check: support the hardware self-check of audiovisual components and mechanical devices to ensure the normal use of the hardware.
- * Automatic switching of main and standby power supply: the main and standby power supply is automatically switched, and the standby power supply is 24V DC power supply; the switching time is less than 1ms.
- * Audio priority division: emergency audio has the highest priority and the priority level can be customized; support customizing all audio priorities, and support a maximum of 100 priorities.

Interface:

Front panel

- * Indicator light: a dual-color plug-in LED light: red + green, a combination of three colors: red + yellow + green, a total of 4 indicators of the system status;
- * Emergency microphone interface and PTT: 1 channel, use a six-pin aviation socket as the interface; PTT is a hand-held moving-coil microphone, connected by a 1.5 m spring cable, and you can press the button to speak.
- * HD touch screen: capacitive, 5-inch HD touch screen with a maximum resolution of 800 * 480.
- * Emergency switch: red, square, a protective cover, without self-locking function;
- * Failure silencing and exit emergency mode: on the front panel, large key (diameter: 10.8 mm) meets the EN certification requirements;

Rear panel

- * Input interface: conventional terminal, a spacing of 3.81 mm, double 8 channels, 16 channels in total; dry contact triggering, the input mode is short circuit triggering/short circuit triggering with detection;
- * Output interface: conventional terminal, a spacing of 3.81 mm, double 8 channels, 16 channels in total; the output mode is relay short-circuit output, supporting a maximum current of 2A.
- * Power output interface: conventional terminal, a spacing of 3.81 mm, the output voltage of 24V, the maximum power supply of 1A.
- * System status output interface/reset, external failure input interface: status output: conventional terminal, a spacing of 3.81 mm, 2 bits; output mode is relay short-circuit output, supporting a maximum current of 2A; external failure (third-party charger can be connected to meet the EN certification requirements), reset input: conventional terminal, a spacing of 3.81 mm, 1 bit; The emergency status reset of the system can be completed through the external reset input, and the input mode is short-circuit input.
- * Combined audio input interface: 1 channel, support standard XLR balanced input audio and 6.35 mm large two-core microphone input. The XLR input sensitivity is 375mV. The microphone input sensitivity is 10mV. The combined audio is defined as "Line 1"; when playing the audio input through the combined socket, the audio should be named as "Line 1".
- * Line input interface: 2 channels, standard RCA socket input; input form is unbalanced input. The input sensitivity is 775mV; it is defined as "Line 2" and "Line 3".
- * Monitoring output interface: 1 channel, standard RCA socket output; the output form is unbalanced output; it is defined as "recording output".
- * Network interface: 2 channels, standard RJ45 interface; on the panel, it is defined as "LAN1", "LAN2"; LAN1 is the external network interface of the controller, and LAN2 is the voice network transmission interface.
- * Telephone interface: 1 channel, standard RJ11 interface; it is defined as "telephone interface"; CAN interface: 1 channel, conventional terminal, a spacing of 5.08; the screen printing is defined as "L", "H", "G"; communication mode is main device mode.
- * Standby power interface: the input voltage of 20-28V, the maximum input current of 2A; overload protection and reverse polarity protection; when the main and standby power supplies are connected simultaneously, the main power supply is prior to the standby.
- * Grounding terminal: nickel-plated copper column, with flat medias and screw nuts.
- * Power interface: the input is AC110-240V. 50-60Hz, and the supporting fuse is 250V 2A.

Specification:

Model	Electrical indicator	VA-6500	
	AC power supply	Voltage	~ 110-220V 50-60Hz
		Maximum current	< 0.5 A
		Fuse	250V/2A, slow
		Power consumption	44W
Performance indicator	DC power supply	Voltage	24V DC, ± 20%
		Maximum current	1.5 A
	Emergency microphone	Sensitivity	10mV
		Impedance	600
	Line input	Sensitivity	385mV (balanced), 775mV (unbalanced)
		Impedance	10K
	Recording output	SNR	> 70dB
		Distortion	< 0.1%
		Amplitude	775mV
		Frequency response	200-16KHz
	Contact output	SNR	> 70dB
		System failure relay output	Short circuit, no voltage
		Fire linkage relay output	Short circuit, no voltage
		8 relay programmable outputs	Short circuit, no voltage
		Programmable DC24V power supply output	+ DC 24V, 1A
	Short circuit input	8 programmable triggering inputs	Short-circuit input or short-circuit input with detection
		Short circuit mode	No voltage, short circuit
	Voice information	Fire reset input	Contact ≥ 0.5S, no voltage
Data format		MP3 or WMA format	
Storage type		TF card	
Amount of information		65535 (maximum programmable 1000)	
Retention time		> 10 years	
Other information	Amount of information	100,000	
	Retention time	> 10 years	
Size		484 × 447.5 × 88	
Weight		7.5 kg	