RH2816S 16x16 Video Matrix

The   RH AUDIO 16x16 video matrix RH2816S is a compound interface for the multiple-zone public address system,it integrates 16 audio source inputs and 16 audio outputs by offering an easy operation of receiving different music programs from different audio sources to make individual zone enjoy unique audio source or all zones enjoy same source at user's request for the system's background music,each zone has its own volume control adjustment on front panel.

Five RJ45 ports are ready on rear panel to connect remote paging microphone RH2816RS,which can be placed far away from the audio matrix RH2816S up to 1000 meters by using the CAT5 or CAT6 cable,can support paging modes: individual zone,combined zones paging and all zones,and on the rear there are dipswitches as ID address to be distinguished by paging microphone console.

The 25-pin EMC input port is ready to connect the alarm signal from the fire detector devices,by adding the alarm interface RH2815E the pa system can output a built-in siren signal or a user-recorded voice alarm or siren once any emergency occurs in the venue.

A 128×64 LCD with English which has timing selection function for audio sources and the timing data can be added, modified or removed.

The Features of 16*16 Audio Matrix System

※ 16X16 Digital Audio Matrix (3U panel).
※ With LCD screen in English menu.
※ With volume control for each zone.
※ This control unit integrates 16 source inputs, 16 amplifier outputs and a priority bus interface. it can mute background music when ever it has received priority input signals for zone paging and emergency alarms.
※ LCD display and for convenient operation program schedules.
※ Priority bus for zone paging and emergency alarms.
※ Several paging modes (all zones, group zones, or individual zone) could be achieved

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through this paging console.

The Specification of 16 Digital Audio Matrix

Model	RH2816S
Line Input	16 channels:EMC2 for emergency alarm
Paging Mic. Input	RMIC1~RMIC5:10k ohms(Ω) 10V ,balanced
Line Output	16 channels:(1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16 available)
EMC1 Input	10k ohms(Ω) 330mV ,unbalanced
Line Input	10k ohms(Ω) 330mV ,unbalanced
Line Output	10k ohms(Ω) 0.775V (0 dB) ,unbalanced
Mute functions	RMIC1 overrides Input B, RMIC2 overrides Input C;RMIC3 overrides input D; RMIC4 overrides input E;RMIC5 overrides input F; EMC1 overrides EMC2.
Fre. Resp.	60 Hz ~ 16k Hz (± 3 dB)
Alarm Activation Input	(0V)Shortcut signal ALARM IN:CH1~CH16
Alarm Activation Output	(0V)Shortcut signal ALARM OUT:CH1~CH16
Indicator	POWER
Protection	AC FUSE×0.5A×1
Power Cable	(3×0.5 mm2)×1.5M (standard)
Power Supply	AC 220V ± 10% 50-60Hz
Power Consumption	15~20W
Dimension	133(H)×483(W)×390(D)
Net Weight	7.1Kg