PX 9100

Six Zone Mixing System with Trigger-In

Feature

PX 9100 is a Six zone PA Mixer System and having TEL/EMG, 5 input, MOH output, priority control. It can extend to 56 Zone with zone expander(**PEX9100**). With the Zone paging station it can make a call to different zone. An extra power Amplifier is needed for a working system. To build a NON interrupt BGM system then 2 amplifiers is needed.

- **100V system.**
- **Priority function.**
  TEL > MIC1 > MIC2>MIC3~4>PAGING>AUX.
- **AC or DC powered.**
- **Tabletop or System Rack-mount.**

Accessory:

- **PPS-A All-Call Microphone.**
- **PPS-06 Six Zone Paging Station.**
- **PPS-EX Zone Extension Station.**
- **PWP-06D Six Zone Digital Wall Control Panel.**

Performance	PX 9100
Input Sensitivity & Impedance	MIC1~4 (MIC/Line1~2): 1.5mV @600Ω/ 200.0mV @47kΩ, Balanced AUX1~2: 200mV @10kΩ, Unbalanced PAGING IN: 200mV @10kΩ, Unbalanced TEL: 100V/100mV @600Ω, Balanced Ext Amplifier IN: 100V Dry contact
Tone Control	Bass: 100Hz , ±10dB Treble: 10kHz , ±10dB
Frequency Response	MIC1~4/LINE: 60Hz~15kHz, +1/-3dB AUX/CD: 50Hz~20kHz, +1/-3dB TEL: 100Hz~15kHz, +1/-3dB
S/N Ratio	MIC1~4 >60dB LINE1~2 >70dB AUX1~2 >75dB TEL >70dB
Phantom Power	24V
Output	MOH Out: 8Ω/1W, 1V@600Ω PRE Out: 1V RCA Balanced Intern Amplifier Out: 70V/100V Z1~6 Out: 100V Dry contact
Trigger Out	Dry contact 24V/2A
Trigger IN	Optocoupler, max 24VDC IN
DC Out	24V/800mA
DC IN	24V/16A
Chime	OFF/1/2/4 Tone
Nominal AC Line Voltage	115V/230V, 50/60Hz
Operation Temperature /Humidity	-10°C ~ +45°C @ 95% R.H. (Non-Condensing)
Storage Temperature	-20°C ~ +70°C
Dimensions (W x D x H)mm	430 x 365 x 133
Weight	10.0kg

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Front Panel

- MIC1~2 level control.
- MIC1~2 Hi/Lo level control.
- MIC3~4/LINE1~2 level control.
- MIC3~4/LINE1~2 Hi/Lo level control.
- AUX1~2/Source (Wall panel) level control.
- AUX1~2/Source (Wall panel) Hi/Lo level control.
- AUX Select button (Source(Wall panel)/AUX1/AUX2)
- Source(Wall panel)/AUX1~2 LED indicator.
- LCD to show information (volume)
- Control Button for setup the system. (Menu, +, -, ok, cancel, Reset)
- Up and Down button to control Master total outputs level.
- Priority indicator.
- Power ON LED indicator.
- Zone 1 & 6 LED indicator.
- Zone 1 & 6 select button.
- All Zone select button.

Rear Panel

- MOH output 1V/600ohm, 1W/8ohm, Phoenix connector.
- MOH output level control.
- TEL/EMG 1V/100V Input Phoenix connector.
- TEL/EMG level control.
- Paging Station RJ45 connector.
- Wall Control Panel RJ45 connector
- Trigger In Phoenix Connector:
  - 9 optocoupler Input, 24VDC IN
  - 1 optocoupler, PAGING Input get priority if this is shorted, 24VDC IN
  - NC-COM-NO: Dry contact that is activated when paging.
- Trigger Out Phoenix Connector:
  - 10 Output, dry contact.
  - 24VDC/800mA output.
  - Dry contact that will be closed in case of a fault is detected in the main unit.
- AMP 1~2 IN 100V, Dry contact.
- Zone 1~6 100V output, Dry contact.
- 24VDC In to powered the unit, Phoenix connector.
- MIC1: COMBI/RJ45 Balance Input with Trigger function.
- MIC2: COMBI Balance Input with VOX function.
- MIC1~2 Dipswitch for PTT/ Phantom Enable.
- MIC3~4: COMBI Balance Input with VOX function.
- MIC3~4 Slide switch for MIC/LINE sensitivity select and Phantom Enable.
- AUX1~2: RCA Unbalance Input.
- PAGING: RCA Unbalance Input.
- PAGING Input Level control.
- PRE OUT1~2: XLR Balanced, to connect to Amplifier.
- To PEX9100: RJ45 connect to Next unit (PEX9100).
- CHIME VR controls chime output level.
- Dipswitch:
  - CHIME OFF/1/2/4 Tones.
  - MICOPHONE input priority (FIFO, LIFO, MIX, OFF).
  - Firmware upgrade Enable/Disable.
  - 20kHz Pilot-tone On/OFF to monitor Amplifier errors.
  - Mode for 1 Channel (interrupt BGM) or 2 channel mode (NON-interrupt BGM).
- RS232 connector for upgrade firmware.
- AC Inlet.
- AC Voltage switch.
- Power ON/OFF switch.