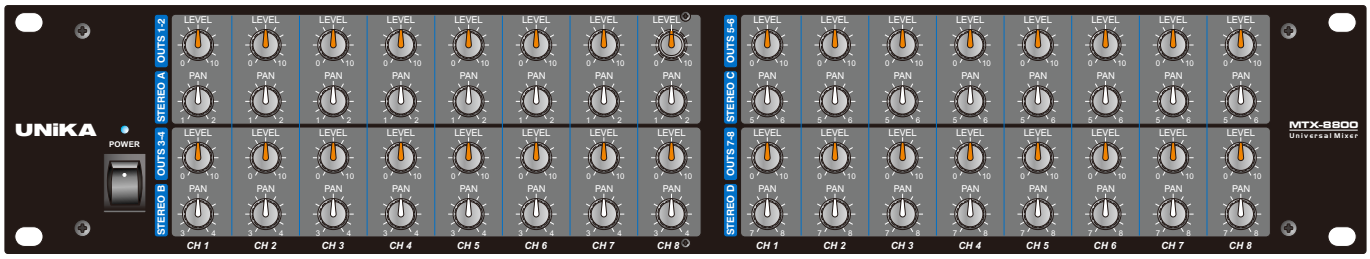
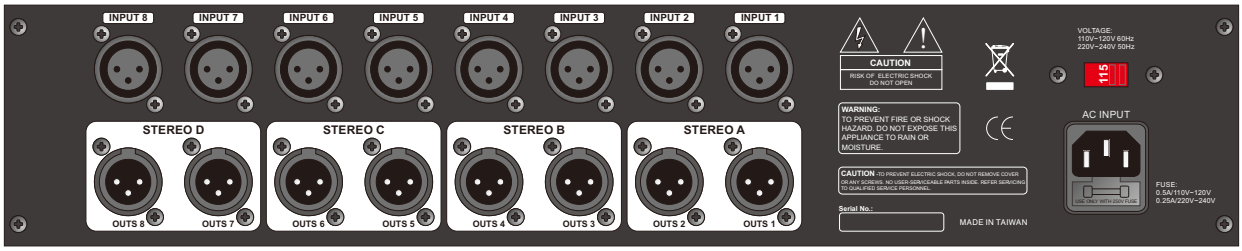
UNiKA
PROFESSIONAL AUDIO

OPERATIONS MANUAL

LINE INPUT / ZONE DISTRIBUTION MIXER
Made in Taiwan

MTX-8800





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IMPORTANT PRECAUTIONS

PRECAUTION: To reduce the risk of electric shock, do not remove the cover, there are no user serviceable parts inside, leave all maintenance to qualified technicians.

WARNING: To prevent electric shock or fire hazard, do not expose this appliance to rain or moisture. Do not throw water or any other liquid on or into your unit. Read all warnings in the operating instructions before use.

This symbol is intended to alert the user to the presence of hazardous voltage that is not insulated from the box and may be of sufficient magnitude to constitute a risk of electric shock.

This symbol is intended to alert the user to the presence of important operating and maintenance instructions in the documentation that comes with the product.

INTRODUCTION

Congratulations and thank you for purchasing MTX-8800 Line Input/Zone Distribution Mixer. This mixer is representation of UNiKA's continuing commitment to product the best and highest quality audio products at an affordable price. It is designed for professional application to offer excellent sound, high reliability combining versatility and high performance. Please read and understand this manual completely before attempting to operate the unit.

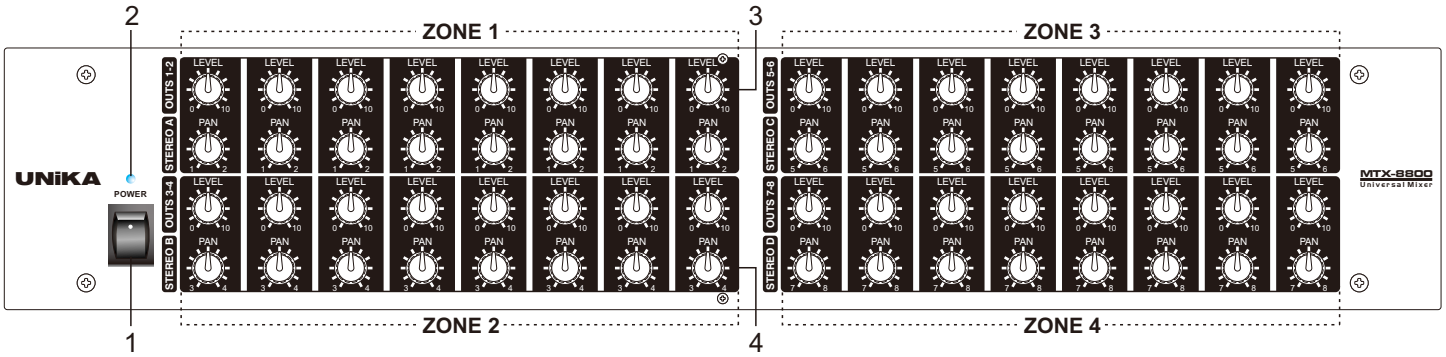
UNPACKING

As part of our quality control, each MTX-8800 has been thoroughly tested and has been shipped in perfect operating condition. Carefully check the shipping carton for damage that may have occurred during shipping. If the carton appears to be damaged, carefully inspect your unit for any damage and be sure all accessories necessary to operate the system have arrived intact. In the event damage has been found or parts are missing, please contact your dealer for further instructions.

DESCRIPTION

The UNiKA MTX-8800 is an easy-to-use 8-in/8-out (4 pairs stereo)line input /zone distribution mixer. It features a power on indicator and 8 XLR balanced inputs and 8 XLR balanced outputs. 4 pairs of stereo outputs incorporate further ch1-8 level controls and pan controls. This feature allows the MTX-8800 to function as either a 8 x mono inputs / 4 x stereo outputs units or any combination of the two. The MTX-8800 line input/zone distribution mixer is made in sturdy, 2U rack space, and rack-mounted designed.

FRONT PANEL



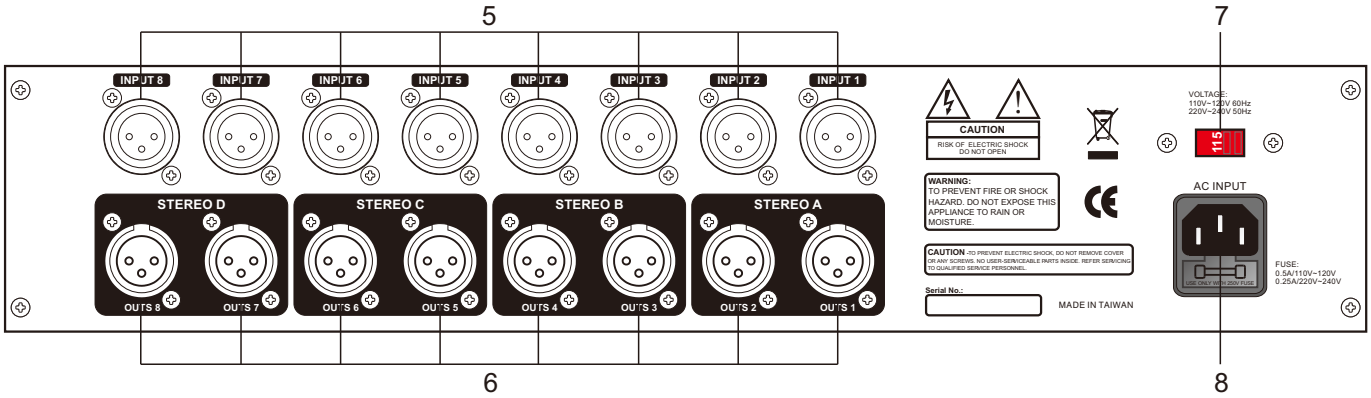
1. Power on/off
Press this button to turn the MTX-8800 on and off.

2. Power LED
The power indicator lights up when the MTX-8800 is powered on.

3. Level Control
For adjusting the input level at the respective stereo output at the rear panel. Turn the control clockwise beyond the detent position to increase the level up to 12dB.

4. PAN Control
Positions the input signal between the left and right output of the respective zone. In mid-positon the signal level is equal at both outputs.

REAR PANEL



5. Input Section
XLR inputs (balanced) for connecting audio units with line level outputs.

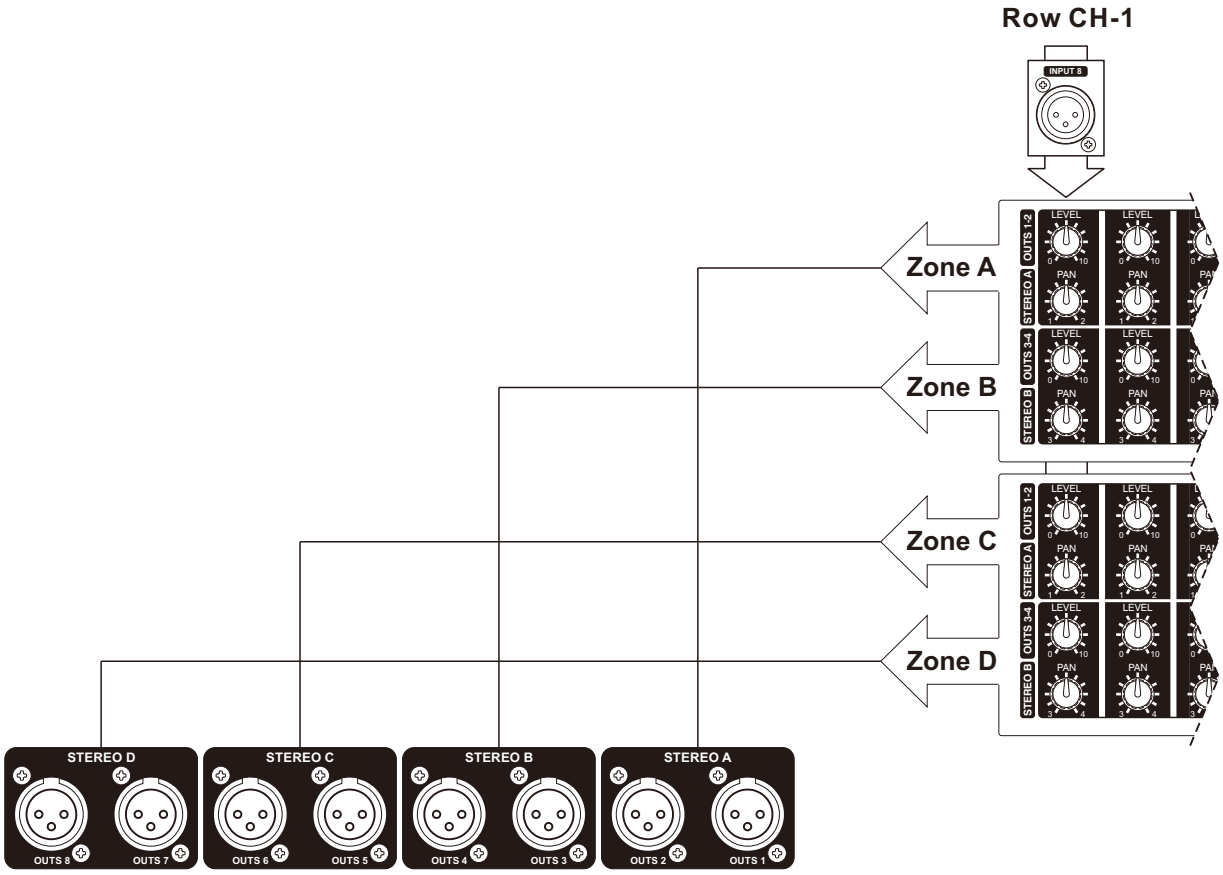
6. Output Section
There are total ZONE 1 ~ 4, each zone disposes of a stereo output (2xXLR, balanced) for left and right. The PAN control directs the signal to the respective output.
Outputs STEREO A for PA Zone 1
Outputs STEREO B for PA Zone 2
Outputs STEREO C for PA Zone 3
Outputs STEREO D for PA Zone 4

7. Voltage Selector
Make sure this switch is properly set.

8. AC Input with fuse holder
Used to plug the supplied power cord in, only replace the fuse when the device is disconnected from mains.

OPERATION

1. Before turning the unit on, set all LEVEL controls to mid position to avoid damage to the hearing by a volume which is too high when turn the unit on.
2. Press the power switch to turn on the unit, the power indicator on the front panel lights up, then turn on the other connected devices. Your PA amplifier should always be the last item to turn on.
3. Adjust the desired volume ratio with the level controls.
4. Determine the balance of the input signal between the left and right outputs.
5. Turn off the unit via the power switch after operation.



Stereo outputs or mono outputs 1-8

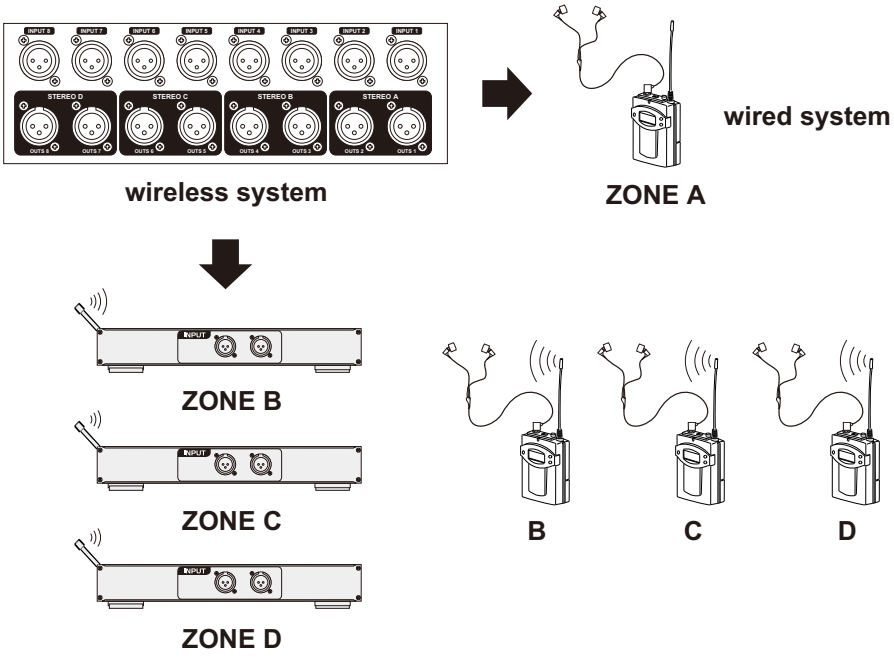
The signal of CH1 routed to each pair of stereo outputs. To add signal from the CH2 input to the STEREO A outputs, use the level controls in the same zone (STEREO A / OUT 1-2) in the second row CH2.

Create stereo mixes with the LEVEL and PAN controls on the front panel of the MTX-8800. Each row on the front panel (e.g. CH1) corresponds to one input. Each zone on the front panel (e.g. STEREO A / OUT 1-2) corresponds to a pair of stereo outputs. Use the LEVEL control to add signal to each pair of stereo outputs. Use the PAN control to balance the signal between the left and right outputs.

APPLICATION EXAMPLES

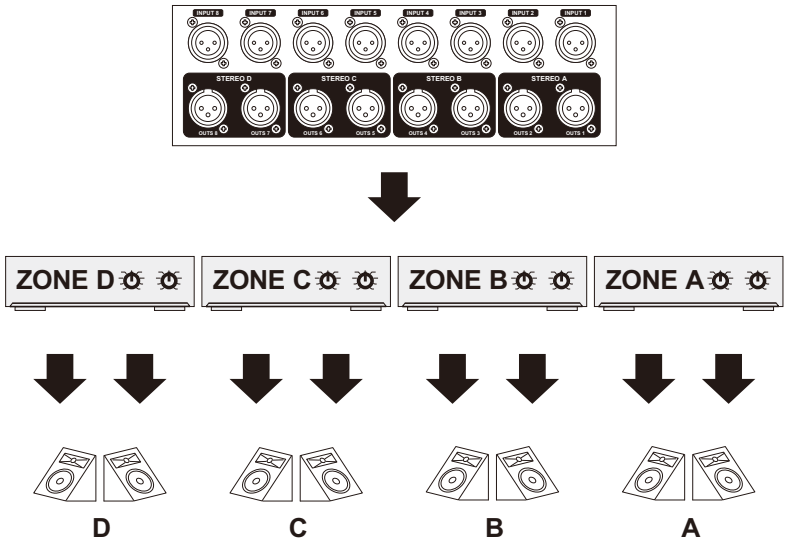
The MTX-8800 extends the capabilities of a standard mixing console by providing 8 additional auxiliary sends, use it to create stereo or mono mixes for a variety of applications, e.g. for personal and loudspeaker monitoring, multitrack recording and monitoring, stereo effect sends, zone mixing and matrix mixing.

A. Personal Monitoring & Loudspeaker Monitoring



Monitoring

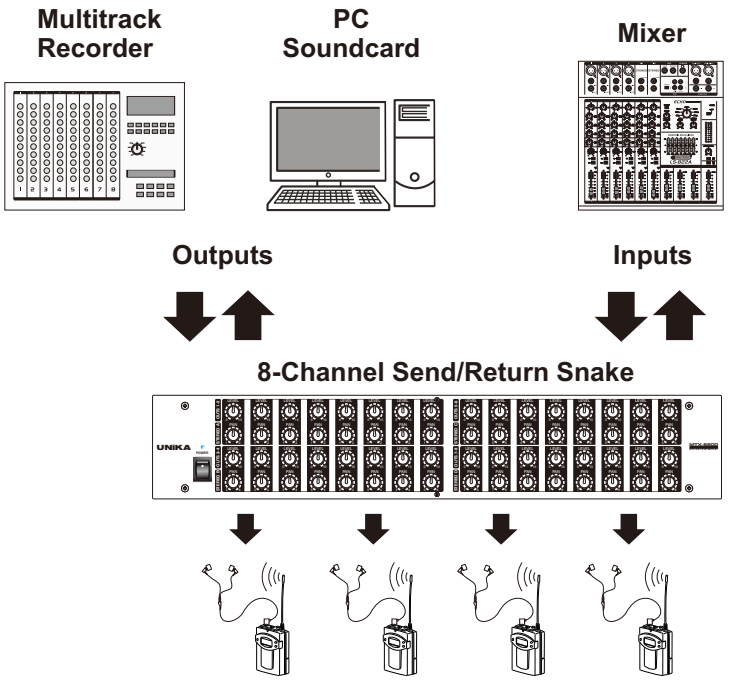
The MTX-8800 gives you the possibility to create personal mixes for vocalists or instrumentalists for live and studio applications without having to reconfigure the existing setup of a mixing console.



Loudspeaker monitoring

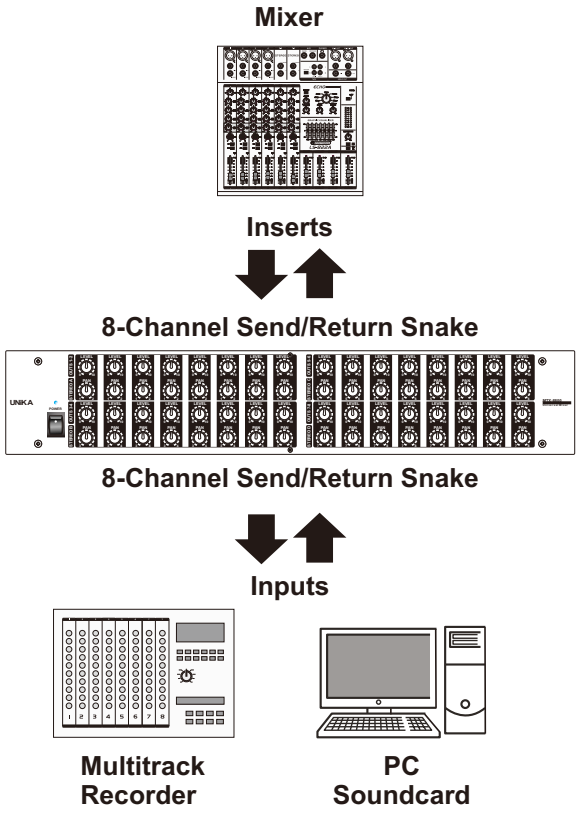
Mixing consoles often do not provide enough dedicated outputs for monitoring applications. Even if each performer has its own speaker cabinet, he does not get his own mix. With the MTX-8800 you can provide those individual mixes for each band member, regardless how different each mix needs to be.

B. Multitrack Monitoring & Multitrack Recording



Multitrack monitoring

Use the MTX-8800 input connectors to insert it between the 8 outputs of a multitrack recorder or a soundcard and the line inputs of another mixing console. You can mix the outputs to 4 individual stereo cue mixes without interrupting the signal flow of the mixing console.



Multitrack recording

You can also insert the MTX-8800 into the insert paths of a mixing console.

SPECIFICATIONS

MTX-8800

Channel Gain	+10dB Level Pot Full CW 0dB Level Pot CCW
Input Impedance	10KΩ All Inputs
Maximum Input Level	+21dB
Maximum Output Level	+21dB
Frequency Response	20Hz - 20KHz ±1dB
Output Impedance	600Ω
Total Harmonic Distortion	<0.03%
Construction	Steel Chassis
Dimensions (H×W×D)	88 x 483 x 171 mm
Weight	5.4kg
Rack Space	2U