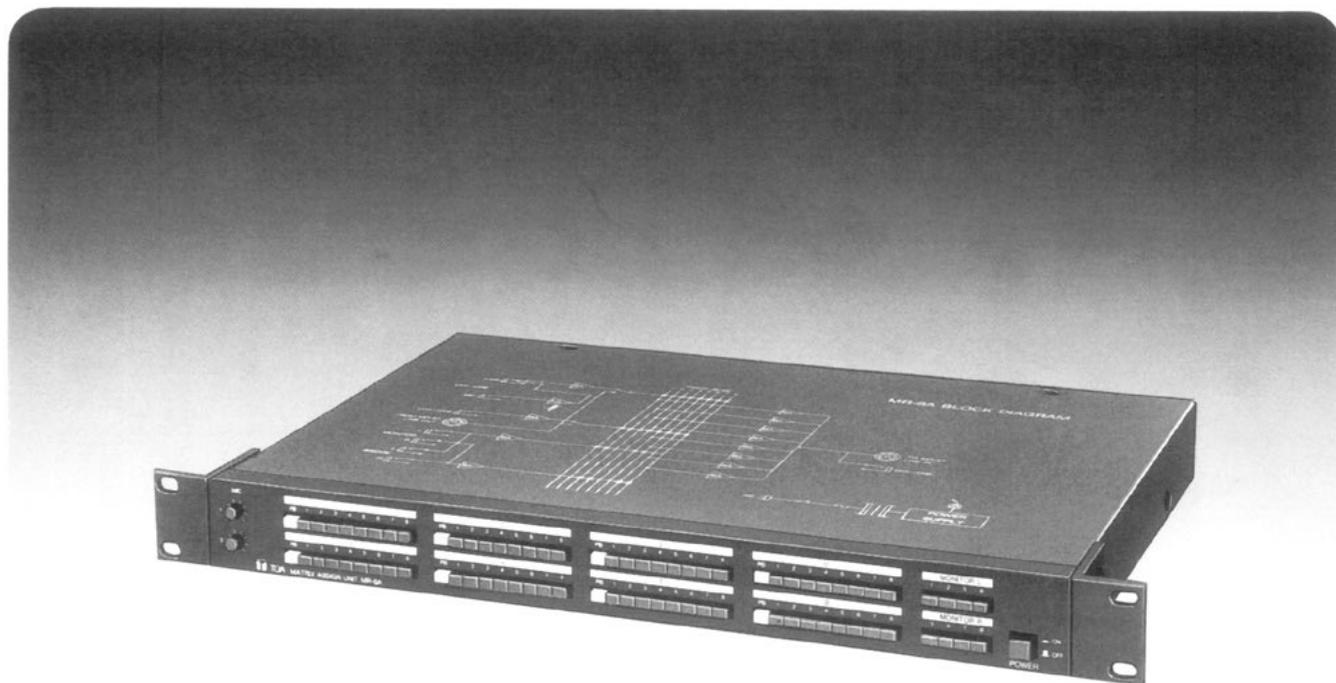


ASSIGN UNIT

MR-8A



The Toa model MR-8A is a one-unit-size rack mountable assign unit with 8 inputs/ 8 outputs matrix assignment facilities. It comes with eight line outputs, two of which are for microphone, allowing the input of eight playback signals from the MR-8T multi track recorder.

To obtain optimum results from this assign unit, please read this manual carefully. We suggest that you keep the manual handy for future reference.

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● Safety Precautions

- Do not connect unit directly to the DC power source or any other AC power source.
- To avoid an electric shock, do not touch a plug with wet hand when plugging in or unplugging the power cord from a wall outlet.
- Do not remove the cover, as this involves a danger of injuries and electric shocks as well as equipment failures.
- Be sure to take hold of the plug when unplugging the power cord from a wall outlet. Disconnections will be caused when the cord is pulled at the cable.
- It is very dangerous to use the power cord with exposed bare wire. In such a case, replace the cord immediately.
- Do not spill a liquid like water nor place inflammables or metal like hairpins inside unit. Their entry will result in an electric shock and equipment failure.

● Operating Precautions

- **IMPEDANCE.** Impedances are the resistance value to an alternating current signal. They are measured in ohms. When connecting the MR-8A to other equipment, be careful about the input and the output impedances. A mismatch between the two decreases the signal level, downgrades the sound quality, or causes equipment to fail. The impedance of a source should generally be lower than the impedance of the connected load.
- **FUSE.** When replacing, use the fuse with the same current capacity.
- **LOCATIONS OF INSTALLATION.** Avoid the following Locations:
 - a) Locations where unit is exposed to the sunlight or which are close to a heater.
 - b) Locations of high humidity or where dust accumulates.
 - c) Vibratory locations.

● Specifications

Line input/Monitor input

Input impedance: 100k Ω
Normal input level: -10dBV
Maximum output level: +8dBV

Line output/TO INPUT DIN connector

Output impedance: 100 Ω
Normal output level: -10dBV
Maximum output level: +18dBV

Microphone input

Input impedance: 2k Ω , unbalanced
Normal input level: -55dBV
Maximum input level: -25dBV

FROM OUTPUT DIN connector (PB input)

Input impedance: 20k Ω
Normal input level: -10dBV
Maximum input level: +18dBV

Frequency response

20 - 20,000Hz, +0, -2dB (LINE IN)
50 - 20,000Hz, +0, -3dB (MIC IN)

Distortion

0.05% (1kHz, -10dBV/LINE IN)

Noise

-90dBV
(LINE IN/Volume control at maximum position)
-122dBV (IHF-A, equivalent input noise)
(MIC IN/Volume control at maximum position)

Crosstalk

60dB (1kHz, -10dBV/LINE IN)

Power consumption

4W

Dimensions

483 (w) \times 49 (h) \times 299 (d) mm
19 (w) \times 1.93 (h) \times 11.8 (d) inches
Weight: 3.8kg (8.38 lbs)

Accessories

Instruction manual \times 1
Fuse \times 1

*The above specifications are subject to change without notice.

Front-/Rear-Panel Facilities

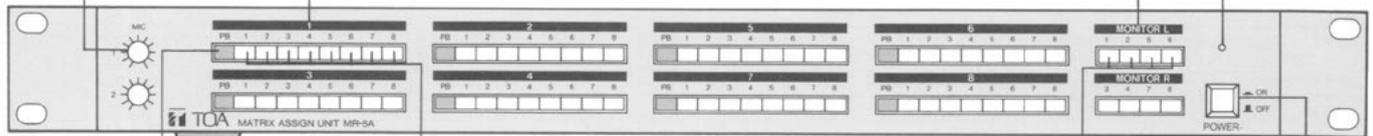
Front panel

Microphone volume control
This control adjusts the volume of the microphone input signal.

Line input indications
These indications show the line input signal numbers 1 through 8, while they are the PB input signal numbers if the PB/LINE signal selector button is pushed in.

Power indicator
This indicator comes on when the power switch is set to ON.

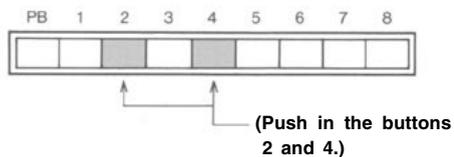
Monitor input indications
These indications show the monitor inputs L and R.



PB/LINE signal selector button
This button selects the signal input to the FROM OUTPUT (DIN) jack or the signal input to the LINE IN (RCA PIN) jack. When the button is pushed in, the signal input to the FROM OUTPUT jack (PB input signal) is allowed to go through, leaving the signal input to the LINE IN jack unconnected. When the button is not pressed, the LINE IN signal is connected, while the input signal to the FROM OUTPUT jack is unconnected. Normally, the FROM OUTPUT jack is connected to the MT-8T multitracker, and the playback signal is input to the jack.

Output selector button
This button connects the input signal selected with the PB/LINE selector switch to the desired output(s) from 1 through 8.

When wishing to deliver the signal to the LINE OUT jacks 2 and 4, for example, push in the output selector buttons 2 and 4.

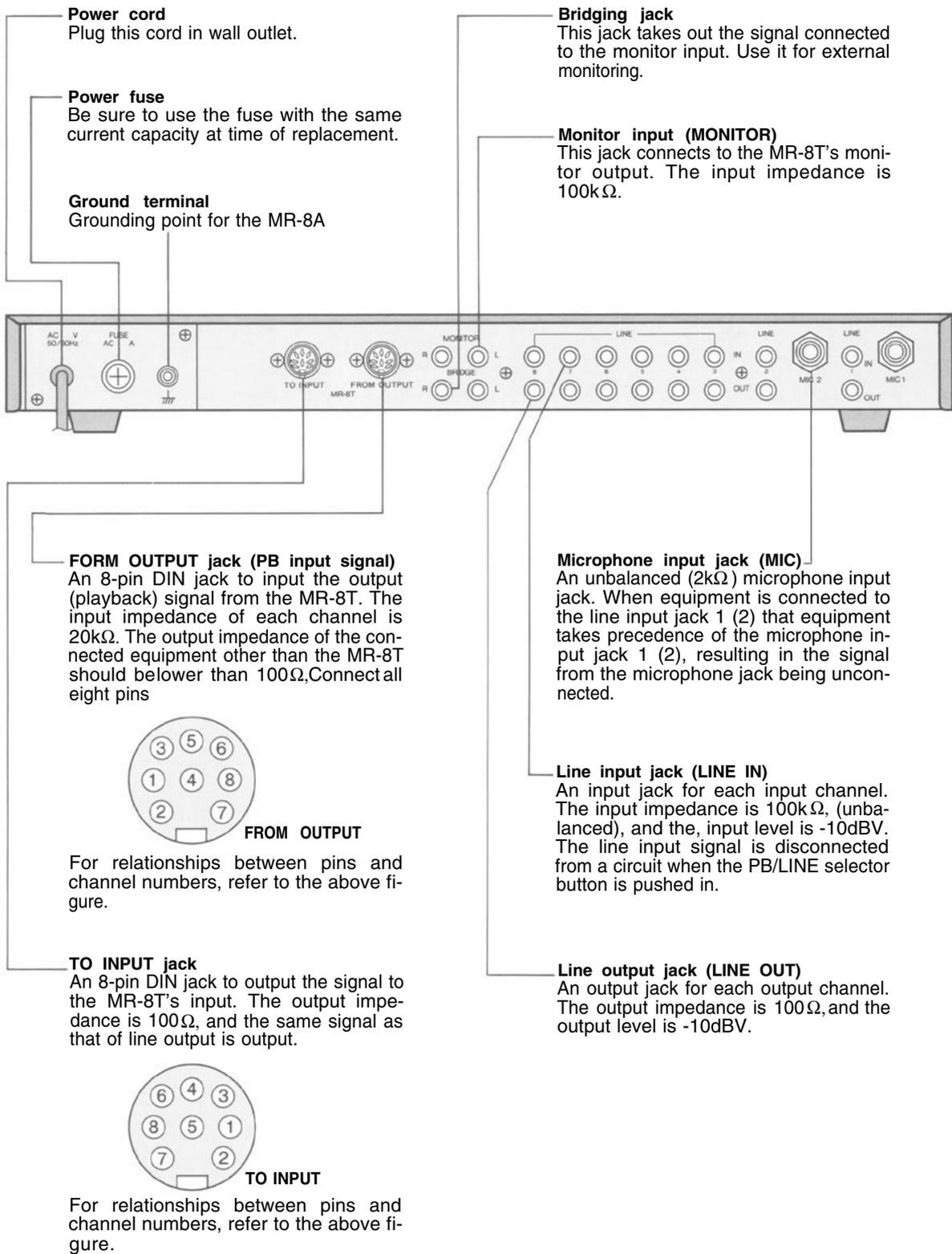


If the MR-8T is connected to the TO INPUT (DIN) jack, the selected output number(s) equals the MR-8T's track number(s).

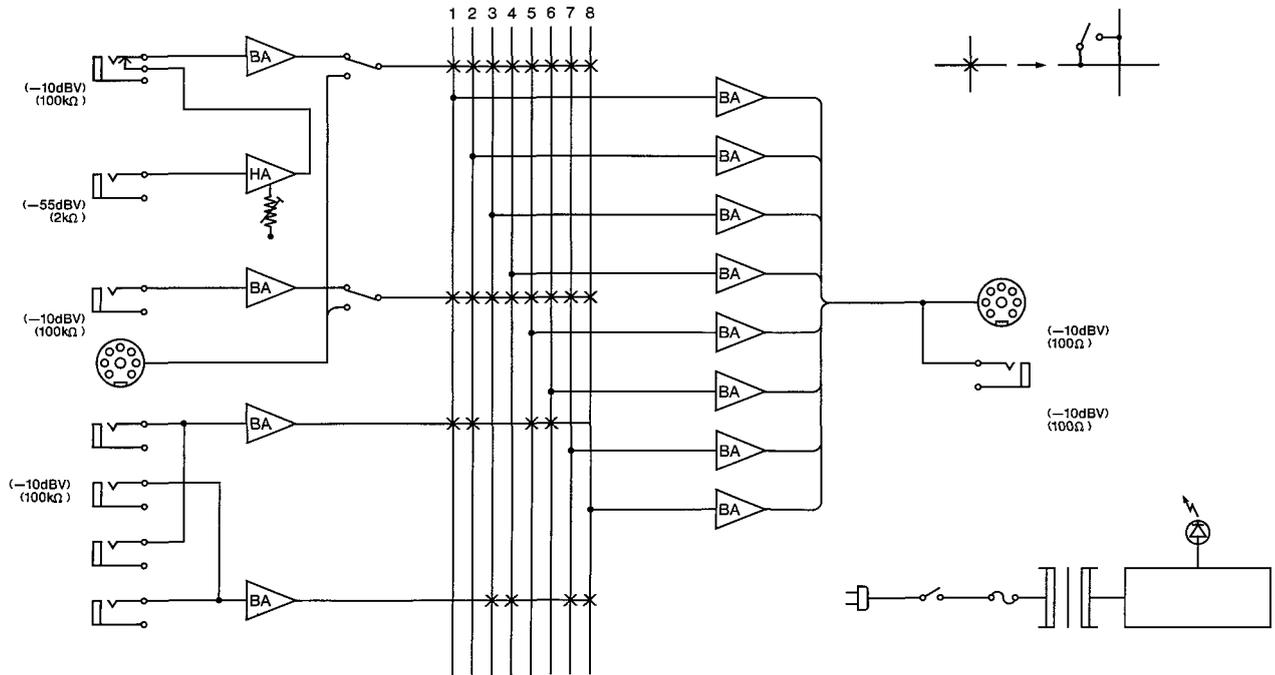
Monitor output selector button
This button, when pushed in, sends the signal from the monitor input to the output jack of the corresponding number.

Power switch
Pressing this switch turns power on. To turn power off, press the switch again.

Rear panel



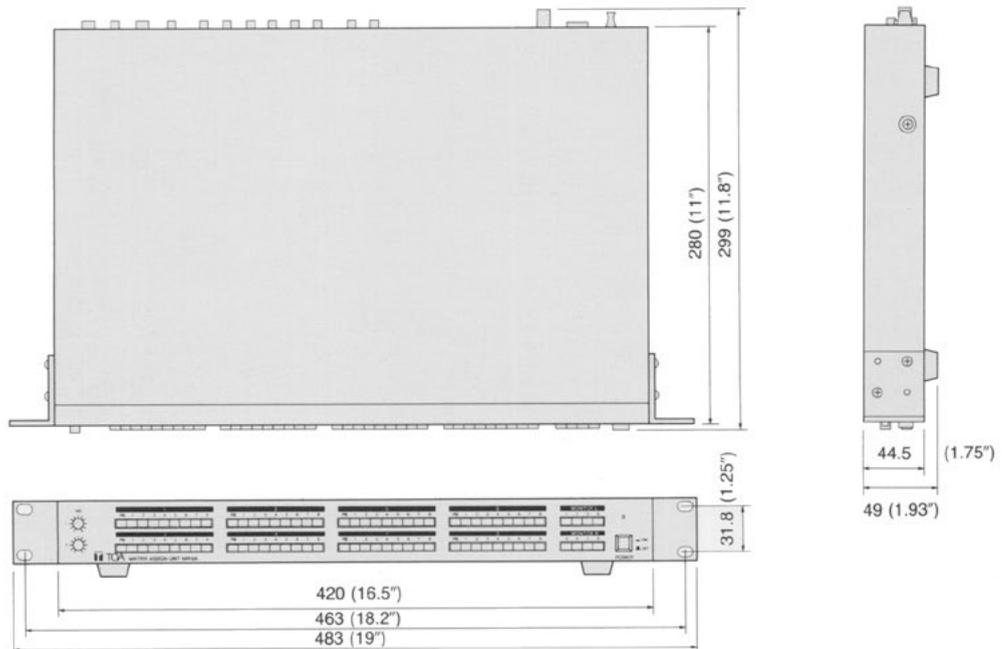
Block/Level Diagram



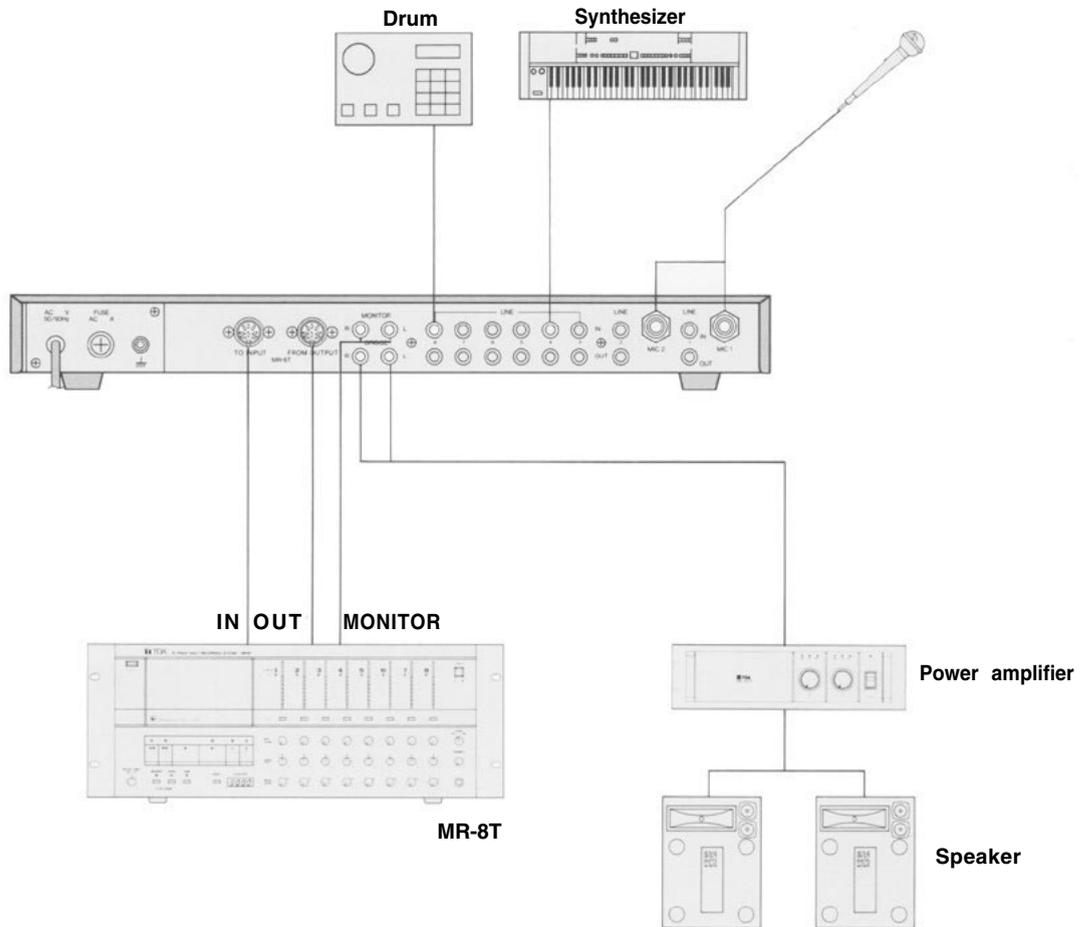
LEVEL DIAGRAM



Exterior



Installation Example



- 'PING-PONG' RECORDING OF SOUNDS OF TRACKS 1, 3 AND 5 INTO TRACK 8.

Push in both the PB/LINE selector button and output selector button 8 of , and , and the mixed sounds of tracks 1, 3 and 5 are sent to the output 8. By recording that signal into track 8 a 'ping-pong' recording from tracks 1, 3 and 5 into track 8 can be accomplished.

When mixing sounds of the above three tracks and a synthesizer for tracking down to track 8, this can be achieved by pushing in both the PB/LINE selector button and output selector button 8 of in addition to the above button operation.

After-Sales-Services

Contact your nearest Toa dealer with repairs of your MR-8A unit.



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KOBÉ, JAPAN

Printed in Japan
133-02-933-20