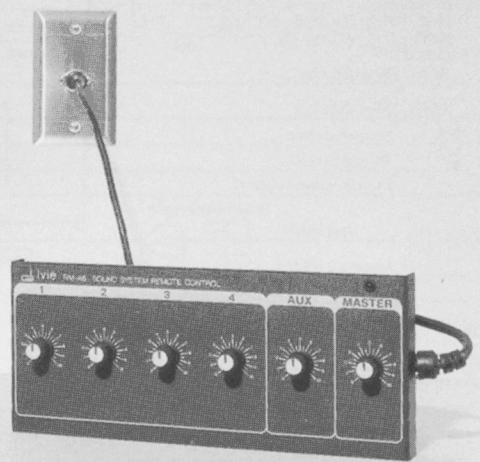
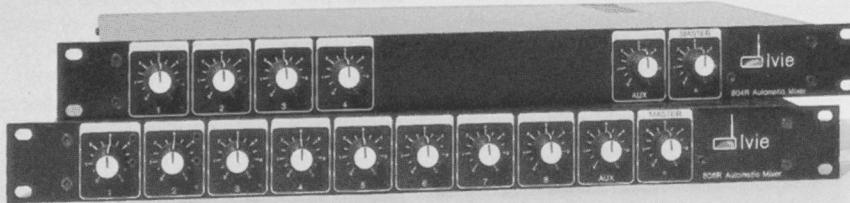




804R/808R Remote Automatic Mixer

Ivie Technologies, Inc.



Optional Remote Control

SPECIFICATIONS

Frequency Response:

20 Hz to 20,000 Hz +/- 1dB

Equivalent Input Noise:

-126 dBm per channel, A weighted

Distortion:

.1% 20Hz to 20 kHz @ + 18 dBm

Maximum Gain:

78 dB

Microphone Input Equalization,

Channels 1 and 2,

Treble,

Level: +/- 12 dB at 10,000 Hz

Hinge Frequency: 1,000 Hz

Bass,

Level: +/- 12 dB at 30 Hz

Hinge Frequency: 1,000 Hz

Input Configuration:

4 or 8 mic/line (2 with bass and treble control)

1 auxiliary

1 background

1 page

Microphone Input Impedance,

Actual: 6,800 ohms

Electronically balanced

Recommended: Input:

150 to 600 ohms

Line Input Impedance:

Actual:

20,000 ohms electronically balanced

Aux, music, and paging inputs:

Impedance 50,000 ohm unbalanced

Phantom Power:

+24 VDC thru 3,400 ohm resistors

Output Load Impedance:

600 ohms or greater, xfmr balanced

Maximum Output Level:

+18 dBm

Pre-Vca Output Impedance:

604 ohms

Pre-Vca Output Level:

3 to 60 dB relative to input level

~18 dB below master output level

Pre-Vca Mix Output Impedance:

604 ohms

Pre-Vca Mix Output Level:

6 dB below master output
at zero attenuation

Post-Vca Output Impedance:

604 ohms

Channel Off Attenuation:

0 to -90 dB

Channel Release Time:

1 to 10 sec.

Channel Active Output:

Open collector type
capable of sinking 200 mA @ 30 Vdc

High Pass Filter:

-6 dB at 125 Hz

-30 dB at 32 Hz

Power Consumption:

11 watts

Dimensions:

Height:

4.45 cm (1.75 in.)

Depth:

26.67 cm (10.5 in.)

Width:

48.26 cm (19 in.)

Net Weight:

4.28 kg (9.5 lb)

Shipping Weight:

5.40 kg (12 lb)

DESCRIPTION

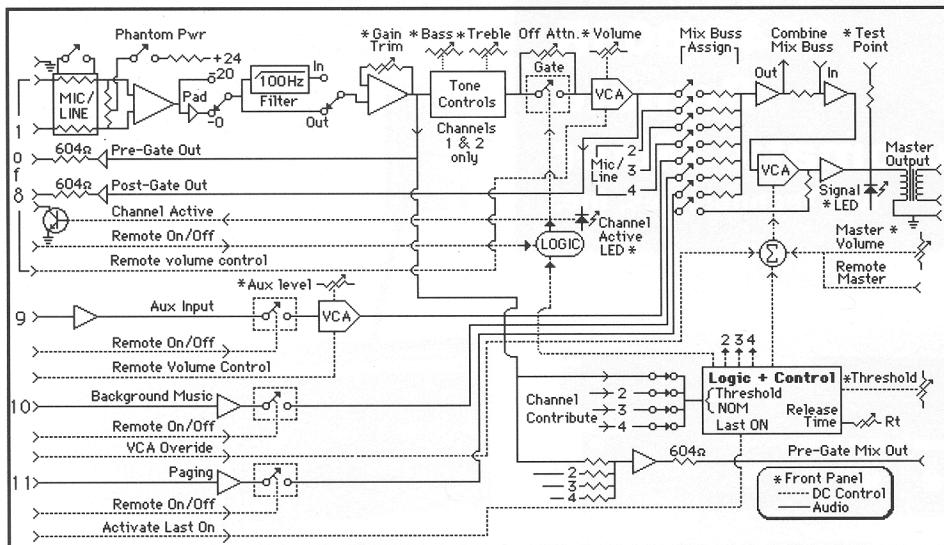
The 804R and 808R are a new generation of automatic microphone mixers designed to meet the ever changing requirements of the professional sound reinforcement industry. The unique combination of features of the 804R and 808R provide many benefits for the consultant, contractor, and end user. These features make the 804R and 808R mixers ideal for use in meeting rooms, churches, and teleconferencing.

The standard features provide the consultant with powerful tools that allow increased flexibility of design necessary to meet the most demanding of applications. These features also allow for ease of installation without the need for custom work.

GENERAL FEATURES

- Automatic gating with NOM attenuation
- Designed specifically for room combining applications
- VCA override or mute for emergency paging
- Four or Eight electronically balanced Microphone/Line inputs
- One unbalanced auxiliary line level input
- Separate input for background music
- Separate input for paging
- Bass and Treble controls on 2 inputs
- Adjustable "OFF" attenuation on each channel
- Adjustable release time
- Direct channel outputs - pre and post gate
- Remote control of master level
- Remote control of all inputs
- Remote ON/OFF control of all inputs
- "Channel Active" indication on front panel
- Status output port for "Channel Active"
- Pre-gate tape output
- Configured for addition of auto level control on output

808R BLOCK DIAGRAM



INPUT SECTION FEATURES

The 804R and 808R have seven and eleven inputs respectively, all except two of them controllable from the front panel. These inputs include four (804R) or eight (808R) switchable (mic/line) electronically balanced, automatic gating inputs, with bass and treble controls on two channels. The other front panel controllable input is a non-gating, unbalanced auxiliary line input. The two additional inputs are special. One is specifically intended for background music applications. It is a fixed gain, 50k ohm, unbalanced, line level input, with remote on/off. The other input is designed for paging applications. It can be mixed with the other channels either before or after the master volume control. When mixed after the volume control, all other signals may be completely muted, or simply "ducked", during the page. This feature was designed with emergency paging in mind.

ROOM COMBINING FEATURES

One of the applications the 804R and 808R are specifically designed to fulfill is the combining of sound systems in multiple meeting rooms. For example: A hotel has a complex of eight meeting

rooms of various sizes. At times all meeting rooms are used independently, while at other times moveable partitions between rooms are opened to create fewer, bigger rooms, or even one large room. Obviously, a number of different room combinations is possible. The 804R and 808R can be combined with other 804Rs or 808Rs to effect room combining. A complete line of room combining accessories greatly enhance the power of the 804R and 808R automatic mixer. When 804s and 808s are combined, all automatic functions such as NOM and THRESHOLD are also combined.

'LAST ON'

The 804R and 808R have a feature called "Last On". This feature may be activated by installing a jumper on the terminal board used with the mixer. When the "Last On" feature is activated, the last microphone that was gated on automatically remains on until another microphone is gated on to take its place. This means that at least one microphone is always on in the room. This has many benefits in applications such as recording feeds or teleconferencing. "Last On" will allow several microphones to be on at the same time if dictated by microphone usage.

ADDITIONAL FEATURES

The 804R and 808R can be ganged with other 804Rs and 808Rs to provide a greater number of inputs when required. They can also be ganged with 804s or 808s (less expensive mixers identical to the 804R and 808R except that they are remotable only on the AUX and Master), if additional channels are needed. Each channel has adjustable "Off attenuation," channel active status indication, and an open-collector status output port. Channels one and two have bass and treble controls for easy matching of wireless mics, lavalieres, and wired mics. For a more in depth description of features and applications, consult the users manual.

WARRANTY (LIMITED)

Ivie Professional Sound products are guaranteed for two years from date of original purchase against malfunction due to defects in workmanship and materials. If such malfunction occurs, the unit will be repaired or replaced (at our option) without charge for materials or labor, if delivered prepaid to the proper Ivie Technologies service facility. The unit will be returned prepaid. This warranty does not extend to finish, appearance items or malfunction due to abuse or operation under other than specified conditions, nor does it extend to incidental or consequential damages. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion may not apply. Repair by other than Ivie or its authorized service agencies will void the guarantee. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

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