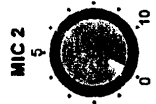


POWER ON



OFF



INPUT

MIXING POWER AMPLIFIER WA-80

# MIXING POWER AMPLIFIER

# WA-80

## Installation and Operating Instructions

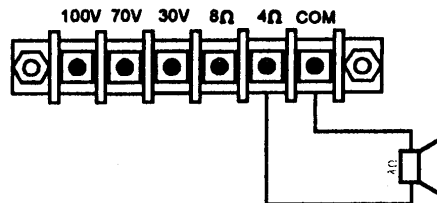
Loudspeaker Output

Important:

Outputs for four different types of loudspeakers are provided, however you may only use one type at any time. e.g. If you are using 100V line loudspeakers you must not use the 70V line or low impedance outputs. Damage to the amplifier will be caused if this is not observed.

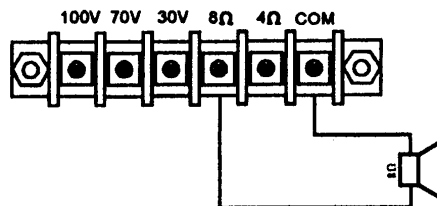
Low Impedance COM and 4Ω

When using low impedance loudspeakers, ensure that the line impedance does not fall below 4Ω or the amplifier may be damaged. Make the connections to the COM and 4Ω terminals.



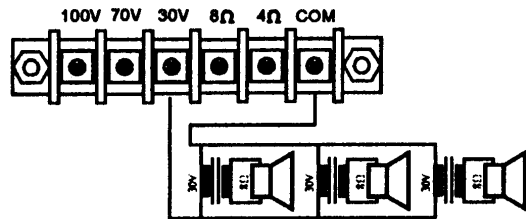
Low Impedance COM and 8Ω

When using low impedance loudspeakers, ensure that the line impedance does not fall below 8Ω or the amplifier may be damaged. Make the connections to the COM and 8Ω terminals.



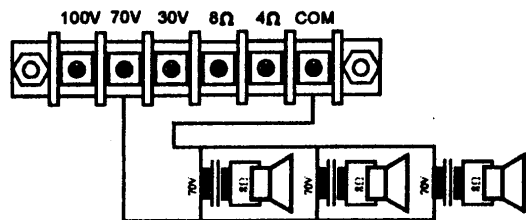
30V line

For use with loudspeakers specifically designed for the 30V line system. Make the connections to the COM and 30V terminals.



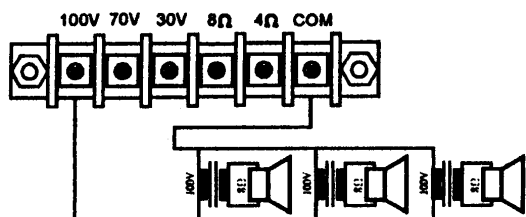
70V line

For use with loudspeakers specifically designed for the 70V line system. Make the connections to the COM and 70V terminals.



100V line

For use with loudspeakers specifically designed for the 100V line system. Make the connections to the COM and 100V terminals.

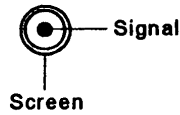


## INPUT/OUTPUT CONNECTORS

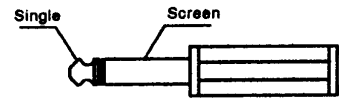
### Line Inputs / Line Output

Output level 1 V at 600Ω

#### RCA CINCH PLUG



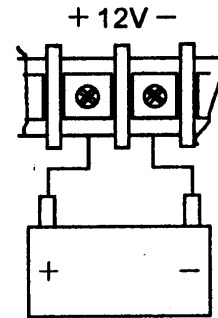
#### MIC Input



#### DC Connector

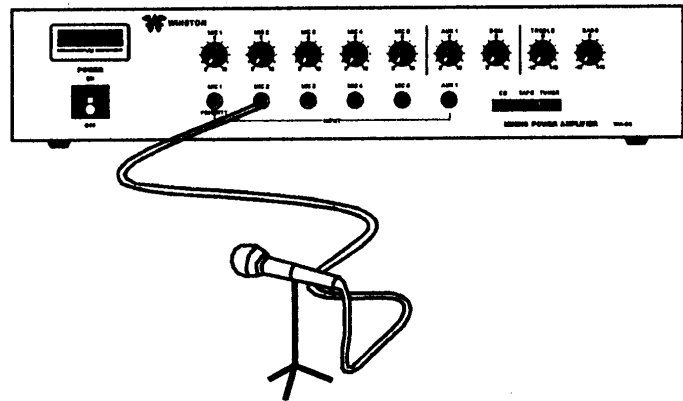
These connections are provided to enable the equipment to be operated from a battery powered source. Care should be taken when connecting batteries to ensure correct polarity.

A reduction in the specified output power will be experienced when operating this equipment on DC power sources.



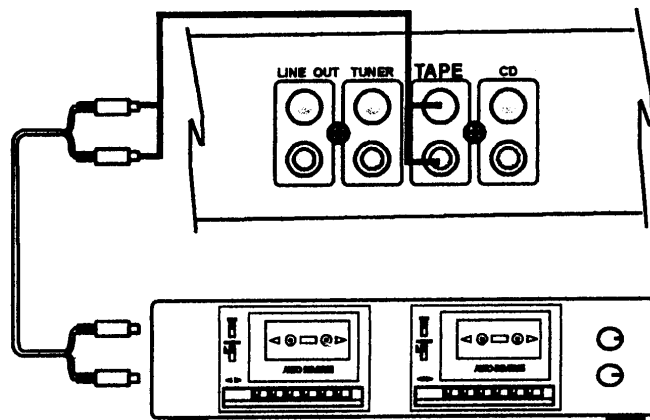
#### External microphone and auxiliary device connection

1. Microphones  
Connect external microphones to the INPUT MIC1/MIC2/MIC3/MIC4/MIC5 jacks on the rear panel.
2. Auxiliary devices  
Connect external microphones to the INPUT AUX1 jacks on the rear panel.

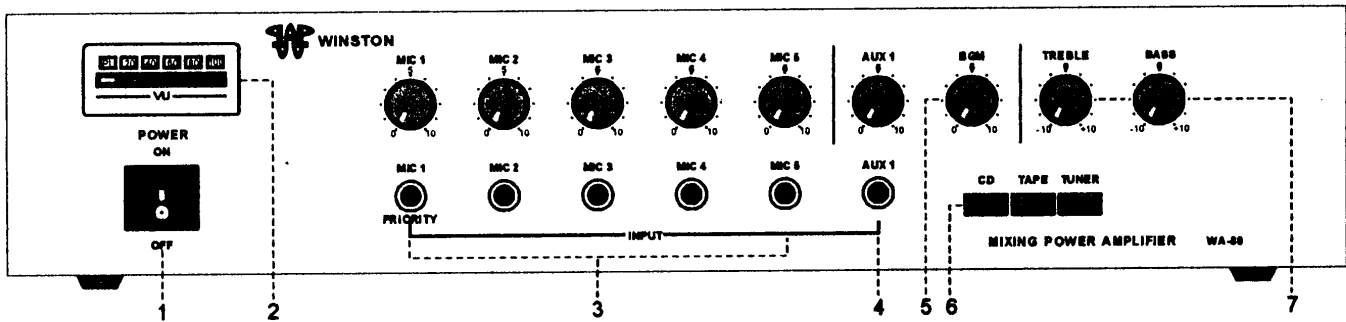


#### CD / Tape player or Tuner connection

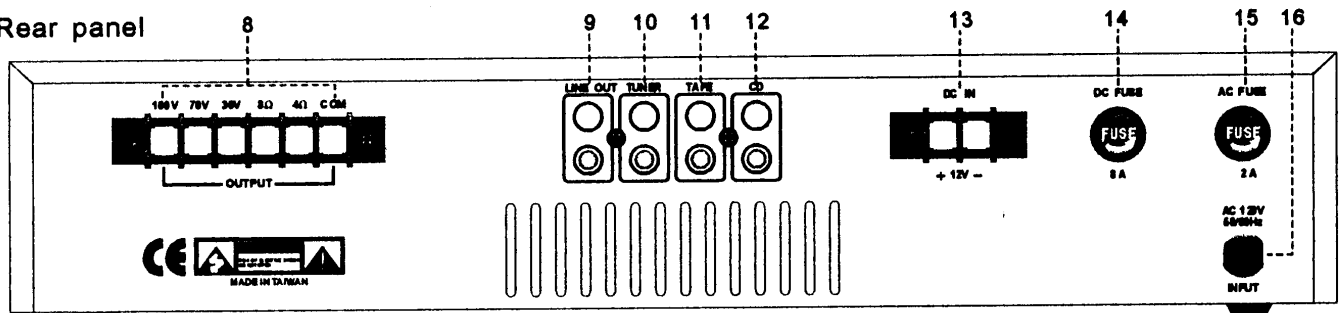
Link the input and output ports of a tape, CD player or turner to the ports on the rear panel of the Mixing Amplifier and Center Power Unit.



Front panel



Rear panel



- |  |   |
|--|---|
| <ol style="list-style-type: none"> <li>1. Power Switch ON / OFF.</li> <li>2. LED Light Indicator.</li> <li>3. Microphone Input Volume and Phone Jack With 5 Channel.<br/>(Microphone 1 with broadcast priority and can automatic cut input source)</li> <li>4. AUX 1 Input Volume and Phone Jack.</li> <li>5. BGM Tone Control (Tuner / Tape / CD).</li> <li>6. Choice CD. / Choice Tape. / Choice Tuner.</li> <li>7. Treble Tone Control. / Bass Tone Control.</li> </ol> | <ol style="list-style-type: none"> <li>8. HIGH-Volt Output Terminals 100V/70V/30V/COM .<br/>Low-Volt Output Terminals 8Ω/4Ω/COM.</li> <li>9. Line Out Output RCA Jack.</li> <li>10. Tuner Input RCA Jack.</li> <li>11. Tape Input RCA Jack.</li> <li>12. CD Input RCA Jack.</li> <li>13. DC IN 12V Input.</li> <li>14. DC Fuse Holder (8A).</li> <li>15. AC Fuse Holder (2A).</li> <li>16. AC Input.</li> </ol> |
|--|---|

**SPECIFICATIONS**

1. With 5CH MIC input, 1CH AUX input ; individual volume control.
2. High impedance output and low impedance output.
3. Support mixing input plug that 6.3mm unbalance.
4. External inputs including 3 RCA pin jacks.
5. Supplied LED VU indicator.
6. MIC 1 with broadcast priority and can automatic cut input source.
7. Two independent tone controls.
8. Rated Output Power : 80W.
9. Input : MIC Input \* 5CH 2mv -54dB at 10Kohms.  
AUX Input \* 1CH 90mv -22dB at 100Kohms.  
RCA terminal input \* 3CH 100mv -30dB at 10Kohms.
10. Output Impedance : Low impedance output COM, 4 ohms, 8 ohms.  
High impedance output COM, 30V, 70V, 100V.
11. Output Indication : LED Level Meter.
12. Tone Control : Bass +/- 10dB at 100Hz ; Treble +/- 10dB at 10KHz.
13. REC Output : LINE OUT 500mv.
14. Frequency Response : 25Hz ~ 18KHz +/- 3dB.
15. AC Power Source : AC 120V 50/60Hz.
16. DC Power Source : DC 12V.
17. S/N Ratio : 68dB.
18. Weight : 7.4kg.
19. Dimensions : 430W \* 270D \* 85H(mm).