

OWNERS MANUAL

JACKS in the BOX

MULTI MIXER

JIB/MM



GALAXY AUDIO®

MAKERS OF THE ORIGINAL HOT SPOT PERSONAL MONITOR

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Introduction

Thank you for purchasing the Galaxy Audio JIB/MM Multi Mixer. Please visit our website (galaxyaudio.com) for the latest updates and FAQ on all of our products and manuals. The MM is designed to solve many of the patching and mixing problems that arise when connecting various audio devices together. It features a wide variety of input and output connectors including balanced XLR, balanced 1/4", stereo RCA, and stereo 1/8" to accommodate most of the cables found in pro and consumer audio situations. The MM also features a stereo Headphone output jack with a dedicated volume control to monitor the entire mix. The high gain/wide dynamic range design of the MM ensures that you will never have trouble matching levels between audio devices.

Some of the uses for the Multi Mixer include:

1. Adding inputs to an existing mixer by creating a sub-mix of two or more sources before sending the signals to the main mixer or powered speaker.
2. Serving as a sophisticated cable adapter that not only adapts the connector type but also provides the correct impedance with adjustable level control.
3. Serving as the main mixer for solo or duo acts as well as AV presentations.
4. As a mixer for rehearsals when its impractical to set up the entire PA.
5. Interfacing pro audio gear with consumer audio gear.
6. Battery operation allows remote location use where AC power is unavailable.
7. As an emergency back-up mixer to have along just in case.

As you can see, the Galaxy Audio Multi Mixer may be the most versatile piece of audio gear that you can own.

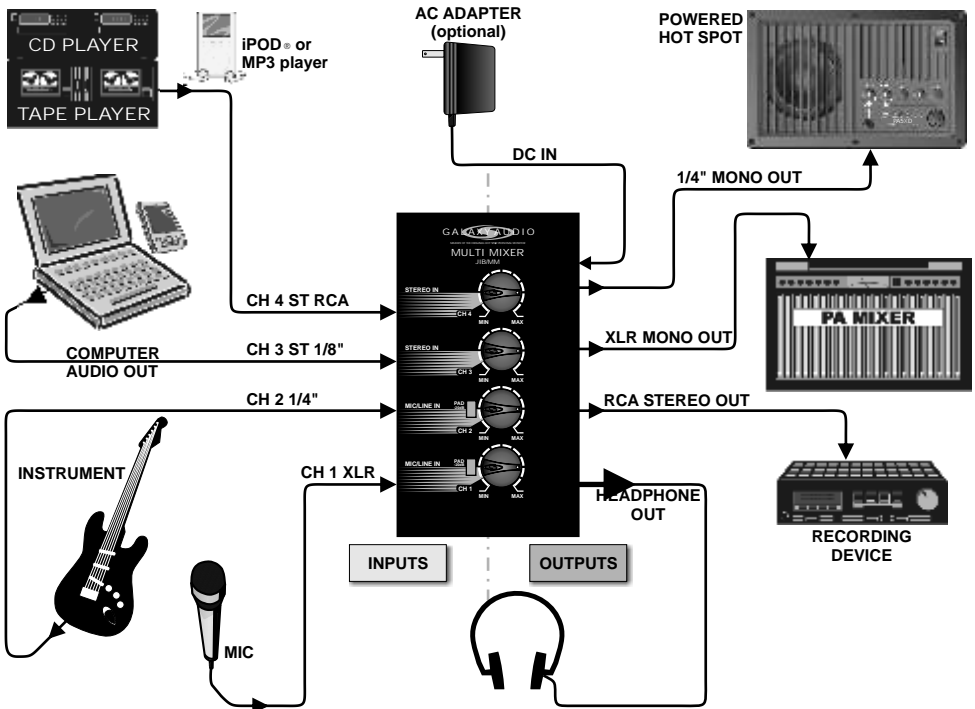
Operation

Battery Installation:

Switch Power to the OFF position. Remove the two screws securing the Battery Drawer from the left side of the MM. Install two AA alkaline batteries, observing the correct polarity shown inside the battery tray. Re-install the Battery Drawer being careful to not pinch any wires. The MM may also be powered using an optional AC adapter. See the Specifications section for the proper type.

Using the Multi Mixer:

The following illustration shows just some of the many ways the MM may be connected with other audio devices. For best performance, always use high quality shielded cables of the correct type. Switch the power ON and turn all Volume Controls to minimum before connecting other audio devices to the MM.



Input Channels:

The Input Channel connectors are numbered 1 through 4 and located on the left side of the unit. Inputs 1 and 2 are Balanced Combination jacks that accept either XLR Mic or ¼" line cables. Phantom Power is supplied to the XLR connectors on Inputs 1 and 2 when the Power Switch is in the ON+24v PHAN position. If Phantom Power is not required the MM should be operated with the Power Switch in the ON position. Channel 3 features both Stereo RCA and Stereo 1/8" jacks for convenience, however we do not recommend using both types simultaneously. Channel 4 features Stereo RCA jacks.

Volume Controls:

Volume Controls, which correspond to channels 1 through 4, are located on the top panel of the MM. Channels 1 and 2 also feature Pad switches, located next to the Volume Controls, which will reduce the gain (of the XLR inputs only) by -20dB to accommodate very strong input signals. The Pads are engaged when the switches are in the down position. Optimum performance is obtained when the Volume Controls can be set generally in the middle of their range rather than at the extreme MIN or MAX.

Output Section:

Various Output jacks are located on the right side of the MM. The mix created with the 4 Input Volume Controls will appear at all Output jacks. Stereo signals from Inputs 3 and 4 are presented in stereo at the RCA and 1/8" Headphone Outputs. The Headphone Level controls only the volume of the Headphone Output jack. This may also be used as a master volume control if the Headphone Output jack is patched to a line input on another device. Stereo signals from Inputs 3 and 4 are summed to mono at the XLR and ¼" Balanced Mono Outputs.

Specifications

CH 1 & 2

XLR “Mic” Inputs:

Input Impedance: 4k (2k with pad)

Input Sensitivity: Minimum:3mV RMS (-51dBV)

(Without Pad) Nominal: 22mV RMS (-33dBV)

Max Input Level: Pad Off:649mV RMS (-3.8dBV)

Pad On: 6.5V RMS (16.3dBV)

Pad: -20dB

Phantom Power: +24V

1/4” “Line” Inputs:

Input Impedance: 10k

Input Sensitivity: Minimum: 14mV RMS (-37.2dBV)

Nominal:112mV RMS (-19dBV)

Max Input Level: 3.2V RMS (10dBV)

CH 3 & 4

Input Impedance: 15k Min

Input Sensitivity: Minimum:159mV RMS (-16dBV)

Nominal: 495mV RMS (-6.1dBV)

Max Input level: 15.8V RMS (+24dBV)

Main RCA outputs

Nominal Output Level: 1V RMS (0dBV)

Maximum Output: 2.9V RMS (9.2dBV)

Mono outputs

Nominal Output Level: 1V RMS (0dBV)

Maximum Output: 2.9V RMS (9.2dBV)

Headphone Outputs

Power Output: 30mW Stereo @ 32 Ohm

Distortion

THD: 0.01% (22Hz – 22KHz @ Nominal Volume)

Noise

S/N: >80dB

Misc.

Batteries: 2 x AA Alkaline

Typical battery Life: 15 Hours

Physical Size: L: 7.18"[182.37mm]

W: 4.028"[102.31mm]

H: 2.09"[53.09mm]

Weight: 2.26 lbs, 1.025kg

DC In Requirements: 4.5VDC (regulated), 500mA minimum.

Barrel plug: 4mm O.D. and 1.74mm I.D., center positive.

Compatible Galaxy Audio AC Adapter: JIB/UA4.5-14

ONE YEAR LIMITED WARRANTY

This warranty gives you specific legal rights, and you may also have other rights which may vary from state to state. This warranty is extended to the purchaser and to any purchaser from him/her for value.

GALAXY AUDIO warrants the materials and workmanship of its products for a period of one year from the date of the original purchase.

The following are not covered by the warranty:

1. Damage to or deterioration of the exterior cabinet which occurs after delivery.
2. Damage after initial delivery resulting from accident, misuse or neglect.
3. Damage resulting from failure to follow instructions contained in the owner's manual.
4. Damage resulting from the performance of repairs by someone other than GALAXY AUDIO.
5. Damage occurring during the shipment or delivery of any GALAXY AUDIO product to GALAXY AUDIO after initial delivery of the product to you.
6. Damage to any GALAXY AUDIO product which has been altered, or on which the serial number has been effaced or removed.

If your unit requires service, it must be returned, shipping charges prepaid to GALAXY AUDIO in the United States. (This warranty is not enforceable outside the U.S.) Please call or write GALAXY AUDIO, 601 E. Pawnee, Wichita, Kansas 67211, (316) 263-2852. We will then issue you to an RMA# (Return Merchandise Authorization) which will need to be applied to the returned item. Under no circumstances should you return your unit to the factory without receiving an RMA or written instruction to do so. If service is required, you must present the original or a copy of the bill of sale as a proof of date of purchase of your unit. Upon receipt of your unit for service, GALAXY AUDIO will repair or replace your unit as soon as possible, but in no event later than 30 days after the receipt of the unit. We will return the unit to you, shipping charges prepaid, provided the necessary repairs are covered by this warranty.

IMPLIED WARRANTIES OF MERCHANT ABILITY AND FITNESS FOR PARTICULAR PURPOSE ARE LIMITED IN DURATION TO THE LENGTH OF THIS WARRANTY, UNLESS OTHERWISE PROVIDED FOR BY STATE LAW. GALAXY AUDIO'S LIABILITY IS LIMITED TO THE REPAIR OR REPLACEMENT, AT OUR OPTION, OF ANY DEFECTIVE PRODUCT, AND SHALL IN NO EVENT INCLUDE INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY KIND. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS AND/OR DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS AND EXCLUSIONS MAY NOT APPLY TO YOU.

GALAXY AUDIO does not authorize any third party, including any dealer or Authorized Service Center, to assume any liability on behalf of GALAXY AUDIO or to make any warranty for GALAXY AUDIO.

AUDIO SOLUTIONS



MAKERS OF THE ORIGINAL HOT SPOT PERSONAL MONITOR

GALAXY AUDIO

601 E. Pawnee
Wichita, KS 67211

(316) 263-2852

(800) 369-7768

Fax: (316) 263-0642

www.galaxyaudio.com

REGISTRATION CARD

Registration information is used ONLY by GALAXY AUDIO and will be kept strictly confidential.

Registration

Name _____ Phone _____
Address _____
City, State, Zip _____
email _____
Dealer _____ PurchaseDate _____

Serial number Model

This Galaxy Audio product will be used for:

- Live Sound
- Church
- Recording**
- Home/Project Studio
- Commercial Studio
- Post-Production/Mastering

Broadcast

- On-Air
- Production

What magazines do you read? _____

How can Galaxy Audio better serve you?

PLACE
STAMP
HERE

GALAXY AUDIO
P.O. BOX 16285
WICHITA, KS 67216-0285