



OWNER'S MANUAL

MICRO SERIES MONITORS
PASSIVE & ACTIVE MODELS



www.altoproaudio.com
Version 1.1 SEPTEMBER 2007
English

IMPORTANT SAFETY INSTRUCTION



TO REDUCE THE RISK OF ELECTRIC SHOCK PLEASE DO NOT REMOVE THE COVER OR THE BACK PANEL OF THIS EQUIPMENT. THERE ARE NO PARTS NEEDED BY USER INSIDE THE EQUIPMENT. FOR SERVICE, PLEASE CONTACT QUALIFIED SERVICE CENTERS.

This symbol, wherever used, alerts you to the presence of un-insulated and dangerous voltages within the product enclosure. These are voltages that may be sufficient to constitute the risk of electric shock or death.

This symbol, wherever used, alerts you to important operating and maintenance instructions. Please read.

- ⊕ Protective Ground Terminal
- ~ AC mains (Alternating Current)
- ⚡ Hazardous Live Terminal

ON: Denotes the product is turned on.

OFF: Denotes the product is turned off.

CAUTION

Describes precautions that should be observed to prevent damage to the product.

1. Read this Manual carefully before operation.
2. Keep this Manual in a safe place.
3. Be aware of all warnings reported with this symbol.

4. Keep this Equipment away from water and moisture.
5. Clean it only with dry cloth. Do not use solvent or other chemicals.
6. Do not damp or cover any cooling opening. Install the equipment only in accordance with the Manufacturer's instructions.
7. Power Cords are designed for your safety. Do not remove Ground connections! If the plug does not fit your AC outlet, seek advice from a qualified electrician. Protect the power cord and plug from any physical stress to avoid risk of electric shock. Do not place heavy objects on the power cord. This could cause electric shock or fire.

8. Unplug this equipment when unused for long periods of time or during a storm.
9. Refer all service to qualified service personnel only. Do not perform any servicing other than those instructions contained within the User's Manual.

10. To prevent fire and damage to the product, use only the recommended fuse type as indicated in this manual. Do not short-circuit the fuse holder. Before replacing the fuse, make sure that the product is OFF and disconnected from the AC outlet.

WARNING

To reduce the risk of electric shock and fire, do not expose this equipment to moisture or rain.



Dispose of this product should not be placed in municipal waste and should be separate collection.

11. Move this Equipment only with a cart, stand, tripod, or bracket, specified by the manufacturer, or sold with the Equipment. When a cart is used, use caution when moving the cart / equipment combination to avoid possible injury from tip-over.

12. Permanent hearing loss may be caused by exposure to extremely high noise levels. The US. Government's Occupational Safety and Health Administration (OSHA) has specified the permissible exposure to noise level.

These are shown in the following chart:

HOURS X DAY	SPL	EXAMPLE
8	90	Small gig
6	92	train
4	95	Subway train
3	97	High level desktop monitors
2	100	Classic music concert
1,5	102	
1	105	
0,5	110	
0,25 or less	115	Rock concert

According to OSHA, an exposure to high SPL in excess of these limits may result in the loss of heat. To avoid the potential damage of heat, it is recommended that Personnel exposed to equipment capable of generating high SPL use hearing protection while such equipment is under operation.

The apparatus shall be connected to a mains socket outlet with a protective earthing connection.

The mains plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.

IN THIS MANUAL:

1. INTRODUCTION.....	1
2. PANEL CONTROLS.....	1
3. APPLICATIONS.....	3
4. TECHNICAL SPECIFICATION.....	4
5. WARRANTY	5

1. INTRODUCTION

Thank you very much for expressing your confidence in ▲LTO products by purchasing MICRO series monitor.

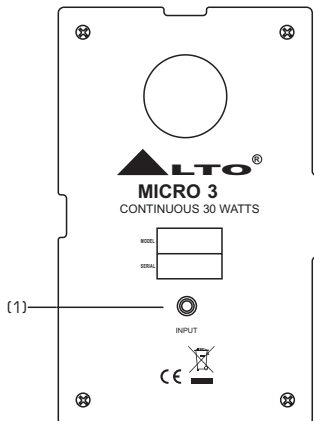
The MICRO series is a set of portable passive/active speakers. This series includes in MICRO3/3A & MICRO4/4A. Despite its compact dimensions, great performances and sound quality are insured. Thanks to the specification of the components used and the building quality. The Micro series monitors deliver accurate, reliable sound. It is very suitable for studio, multimedia, and equally powerful at home with your laptop .

Enjoy your MICRO series Monitor and make sure to read this Manual carefully before operation!



2. PANEL CONTROLS

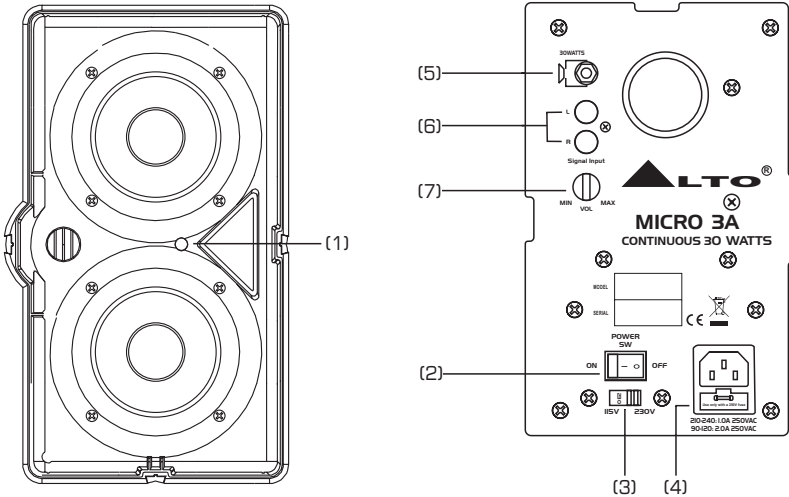
- For MICRO series Passive Monitor Speakers: MICRO 3/4



(1) Input Connector

This professional 6.3Φ MIC connector is used to connect with the MICRO active monitor speakers or input the amplified high level program sources coming from an external power amplifier.

- For MICRO series Passive Monitor Speakers: MICRO 3/4



(1) Power Indicator

This LED lights up blue when the MICRO series active speaker is powered on.

(2) Power Switch

This switch is used to turn the MICRO series active speaker on or off.

Caution: Make sure your supply voltage is identical to the value marking on your products before turning on the power switch.

(3). VOLTAGE SELECTOR

There are two kinds of voltages for your operation. By this switch you can select the voltage at 115V or 230V.

(4) AC Socket with Main Fuse

This socket is used to connect your MICRO series active monitor speakers with the mains.

NOTE: Before turn on the power, please make sure the voltage is identical to the values marking on the products. Replace the fuse with the same type by the qualified personnel only.

(5) OUT/LINK

This balanced 6.3 Φ MIC connector can be used to link the speaker output.

(6) SIGNAL INPUT

This balanced MIC connector is used to input the program sources in balanced configuration.

(7) VOLUME Control

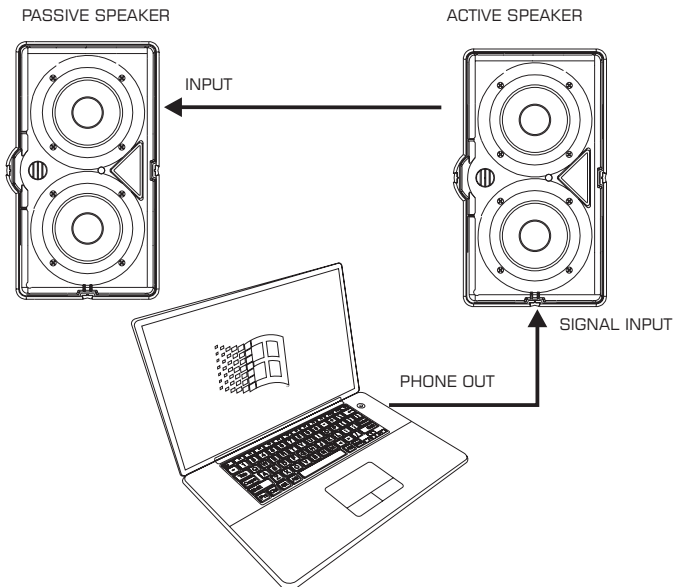
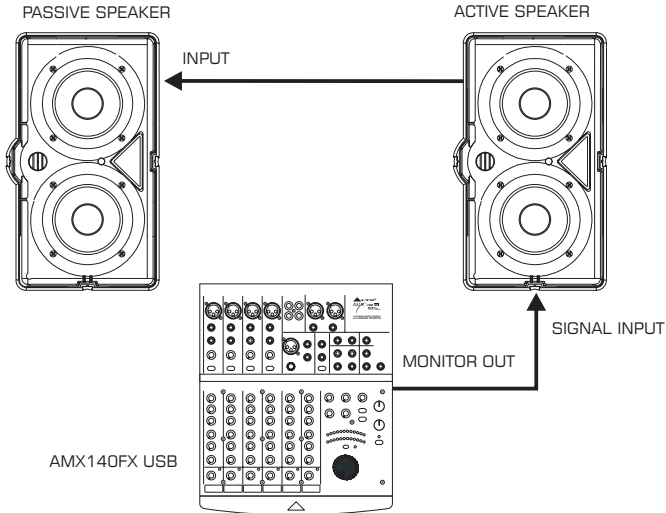
Adjust this trim pot to get the proper input gain.



3. APPLICATION

- For MICRO Passive Monitor Matching with Active Monitor

NOTE: Before turn on the power of your active monitor speakers MICRO 3A/4A, please make the connections of your passive monitor speaker MICRO 3/4 and the external unit firstly.



4. TECHNICAL SPECIFICATION

Model No.	MICRO 3
System type	2 Way
Power Handling	AES 30 W
SPL (1W/1m)	87 dB
Frequency Response	50 Hz-13 kHz (-10 dB)
Impedance	8 Ohms
Crossover Frequency	2.3-3 kHz (1m/W)
Dimension (H x W x D)	216.5 x 143.5 x 152.5 mm
Net Weight (kg)	2.21 kg

Model No.	MICRO 4
System type	2 Way
Power Handling	AES 60 W
SPL (1W/1m)	92 dB
Frequency Response	40Hz-15 kHz (-10dB)
Impedance	4 Ohms
Crossover Frequency	2.3-3 kHz (1m/W)
Dimension (H x W x D)	287.5x169 x 201mm
Net Weight (kg)	4.63 kg

Model No.	MICRO 3A
System type	2 Way
Power Handling: HF	AES 15 W
Power Handling: LF	AES 30 W
SPL (1W/1m)	87 dB
AMP	50 W +50 W (extra) continuous EIAJ
Frequency Response	50 Hz-13 kHz (-10 dB)
Impedance	8 Ohms
Crossover Frequency	2.3-3 kHz (1m/W)
Dimension (H x W x D)	216.5 x 143.5 x 152.5 mm
Net Weight (kg)	3.51 kg

Model No.	MICRO 4A
System type	2 Way
Power Handling: HF	AES 30 W
Power Handling: LF	AES 60 W
SPL (1W/1m)	92 dB
AMP	100 W + 100 W (extra) continuous EIAJ
Frequency Response	40 Hz-15 kHz (-10 dB)
Impedance	4 Ohms
Crossover Frequency	2.3-3 kHz (1m/W)
Dimension (H x W x D)	287.5 x 169 x 201 mm
Net Weight (kg)	6.41 kg

5. WARRANTY

1. WARRANTY REGISTRATION CARD

To obtain Warranty Service, the buyer should first fill out and return the enclosed Warranty Registration Card within 10 days of the Purchase Date.

All the information presented in this Warranty Registration Card gives the manufacturer a better understanding of the sales status, so as to provide a more effective and efficient after-sales warranty service. Please fill out all the information carefully and genuinely, miswriting or absence of this card will void your warranty service.

2. RETURN NOTICE

- 2.1 In case of return for any warranty service, please make sure that the product is well packed in its original shipping carton, and it can protect your unit from any other extra damage.
- 2.2 Please provide a copy of your sales receipt or other proof of purchase with the returned machine, and give detail information about your return address and contact telephone number.
- 2.3 A brief description of the defect will be appreciated.
- 2.4 Please prepay all the costs involved in the return shipping, handling and insurance.

3. TERMS AND CONDITIONS

- 3.1 ▲LTO warrants that this product will be free from any defects in materials and/or workmanship for a period of 1 year from the purchase date if you have completed the Warranty Registration Card in time.
- 3.2 The warranty service is only available to the original consumer, who purchased this product directly from the retail dealer, and it can not be transferred.
- 3.3 During the warranty service, ▲LTO may repair or replace this product at its own option at no charge to you for parts or for labor in accordance with the right side of this limited warranty.
- 3.4 This warranty does not apply to the damages to this product that occurred as the following conditions:
 - Instead of operating in accordance with the user's manual thoroughly, any abuse or misuse of this product.
 - Normal tear and wear.
 - The product has been altered or modified in any way.
 - Damage which may have been caused either directly or indirectly by another product / force / etc.
 - Abnormal service or repairing by anyone other than the qualified personnel or technician.

And in such cases, all the expenses will be charged to the buyer:

- 3.5 In no event shall ▲LTO be liable for any incidental or consequential damages. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion or limitation may not apply to you.
- 3.6 This warranty gives you the specific rights, and these rights are compatible with the state laws, you may also have other statutory rights that may vary from state to state.

SEIKAKU TECHNICAL GROUP LIMITED
NO. 1, Lane 17, Sec. 2, Han Shi West Road, Taichung 40151, Taiwan
<http://www.altoproaudio.com> Tel: 886-4-22313737
email: alto@altoproaudio.com Fax: 886-4-22346757

All rights reserved to ALTO. All features and content might be changed without prior notice. Any photocopy, translation, or reproduction of part of this manual without written permission is forbidden. Copyright ©2007 Seikaku Group