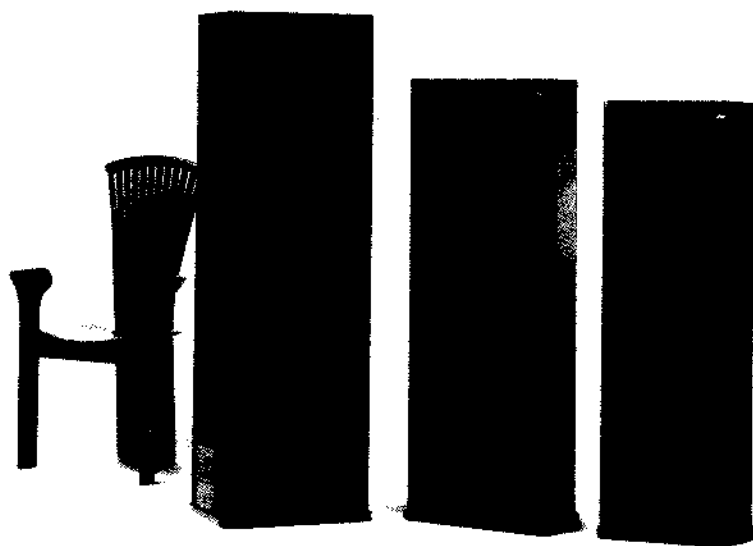


*Mirage*TM



Msi Series

MIRAGE INSTRUCTION MANUAL



MIRAGE INSTRUCTION MANUAL "M - SERIES"

Introducing The Mirage "M - SERIES"

THANK YOU FOR YOUR PURCHASE AND YOUR TRUST IN US AND OUR PRODUCT

In purchasing a pair of MIRAGE "M-Series" you have obviously recognized the merits of Bi-polar radiated sound as compared to conventional technology. When mono was replaced by stereo, the result was a dramatic improvement in sound reproduction. Now the MIRAGE M-1 and its smaller versions have taken a quantum leap even closer to the reality of a live performance. Never before has any speaker system captured so faithfully the live performance. Mirage brings the illusion of a concert experience right into your home. The image is remarkably stable and the dynamic range is so exciting that the speakers simply disappear into the surroundings of your listening room, leaving you with the full live performance illusion. The Mirage Instruction Manual is your guide to ensuring years of listening pleasure. **PLEASE READ IT THROUGH CAREFULLY.** Be sure to follow all installation and operating instructions to achieve maximum sonic performance.

Selection of Proper Wire

We recommend the use of heavy gauge (#10-#12) wire, for example, Monster Cable, or other specialty speaker wires, in conjunction with two single high quality, banana plug connectors. Ordinary lamp cord (16-18 gauge) has enough resistance capacitance and inductance in most installations to degrade the signal between amplifier and speakers, particularly in any length, over 10 ft. (3m). Respective speaker cables should be the same length, and the shorter they are the better the sonic performance will be.

Connections

The Mirage "M-Series" speakers are equipped with 1/2" (12mm) high quality 5 way binding posts which are compatible with two single banana plugs or with speaker cable up to 10 gauge. If plugs are not being used, strip approximately 1/2" (12mm) of insulation from the ends of your speaker cable, then twist the fine copper strands so they fit into the holes in the binding posts, and firmly tighten the binding posts down. (Spade lugs or Gold Plated pins could be used)

Speaker Phasing

To be assured of the best possible imaging and bass response, the speakers must be connected in the proper phase. The positive terminal on each speaker (red posts) should be connected to its respective positive amplifier terminal and the negative terminal (black posts) should be connected to the respective negative amplifier terminal. The polarity

markings on the wires should help you insure proper phasing. For example, the rib on a particular coloured wire can be used as the positive wire.

Phasing Check

To ensure that your speakers are in phase, stand two feet in front of and between the speakers. Switch the signal source to MONO. When you play a selection of music you should hear ONE STRONG CENTRAL IMAGE. If the reproduced performance sounds scattered reverse the speaker interconnects either at the speaker itself OR at the amplifier source. Do not adjust both.

Acoustic Placement and 'Tuning to Taste'

Since the MIRAGE "M-Series" are a bi-polar design, and come in matched Left and Right pairs, they are capable of yielding extremely high performance in a variety of listening room settings. You may already have in mind a location for your new speakers based on the availability of space, convenience and aesthetic appearance. It is imperative that you recognize that the design, dimensions and furnishings of a particular room will have an effect on the ultimate quality of sound reproduction. The key to proper room placement is experimentation and maximization, of individual acoustic properties. As an example: couches, broodroom, drapes and even wall paintings act like damping materials for sound. The placement of such furnishings can be used as control mechanisms for signal reverberations.

It is wise however, to avoid square rooms or room dimensions that occur in multiples (i.e. 8'x8'x16') because the equal sizing increases standing waves (bass boom). Rooms of an irregular shape help break up these standing waves and eliminate the ringing which causes sound colouration. With the MIRAGE "M-Series" we have found that room size is not a factor in the net sound reproduction. The Bi-polar designed "M-Series" delivers a truer amount of ambient information than conventional speakers. This allows for a vast listening area. With a typical monopolar radiation speaker doubling the distance away from the speaker reduces the sound power by a factor of four. With our revolutionary Bi-polar Design, doubling the distance away from the speaker cuts the power less than with a conventional speaker. This feature has extended the listening window, BOTH horizontally AND from front to back. Ideally, the Mirage "M-Series" should be positioned with the back wall and side walls free from objects that could affect the dispersion. We have found in many situations placement of 3' (1 metre) from the back wall and approximately 6' to 8' feet (2 to 2.5 metres) between left and right speakers creates a very realistic sound stage.

Due to the individualistic personality of the Mirage "M-Series" there are no "hardfast" rules of placement. The best way to ensure maximum listening pleasure is to "TUNE TO TASTE" by trying new positions. You will discover that shifting the speaker as little as four inches can dramatically affect the resultant sound. We have found that angling the speakers inwards slightly, with a minimum of 3', (one meter) away from the back and side walls tightens the central image. To further extend the width of the listening window put the speakers straight (i.e. parallel to the rear walls). If there is too much low frequency radiation simply distance the speaker further from the back wall and further from the corner (try 6" (15cm) at a time. Once you have determined the ideal placement of your new MIRAGE speakers sit back and enjoy the 'ultimate' of sound perfection.

Cabinet Care

The exquisite black high gloss finish of the Mirage "M-Series" shows that special care and attention has gone into making them look as commanding as the sound. In order to keep the speakers looking their best, we recommend using a grease cutting lemon polish i.e. Spray Glo Furniture Polish. To restore the glossy sheen, use a clean soft, cotton flannel cloth and evenly distribute the polish. Avoiding any circular motion. The finish will appear as lustrous as when you first purchased your Mirage "M-Series". Make sure there is not even a speck of dust in your cloth or you might scratch the finish. To clean the grill cloth use a dry, lint free sponge and brush off dust.

The Warranty

Your Mirage "M-Series" speakers come with a '5 year Parts & Labour warranty (if complies with Country, State or Provincial laws). Should a defect in your loudspeaker(s) be suspected, reconnect this speaker with the wire from the other speaker and see if the fault is still in the same speaker. If the fault still exists, contact your dealer for assistance.

If your loudspeaker is known to be defective, carefully pack it in the original shipping carton with the appropriate packing material and return it to your dealer. Most dealers service and repair the speakers which they sell, and are set up as MIRAGE repair stations. It is the owner's responsibility to return the speaker(s) to the service depot, and to ensure against loss or damage en route. Speakers must be properly packed and sealed in the original shipping cartons in order to prevent damage to the cabinet exterior. Any damage caused through improper packing will be the responsibility of the owner. If you have moved or live in a remote area, you may write to the following address for service instructions. Note: When writing please quote the date of purchase, dealer name, serial number (see back of speaker) and include a description of the problem.

MIRAGE LOUDSPEAKERS

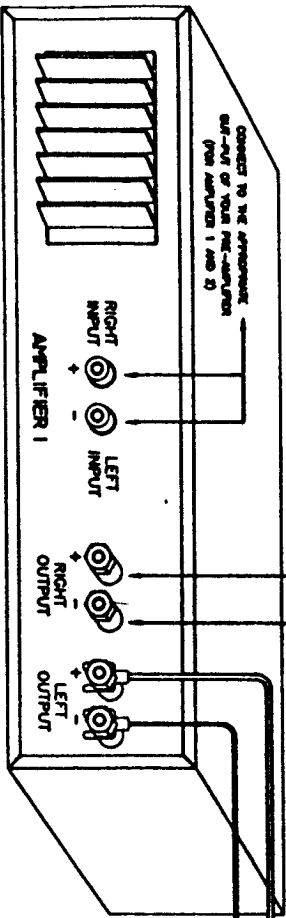
3641 McNicoll Avenue,
Scarborough, Ontario, Canada
M1X 1G5
Phone: (416) 321-1800
Fax: (416) 321-1500

To register your warranty, the enclosed card must be completed and marked within 10(ten) days of purchase. Only one card is necessary per pair of speakers, so retain the extra one for your records. Thank you for your purchase. We sincerely wish you the best, most exciting listening experiences you have ever had. Please call or write to our sales department at the above number to let us know how you like them. We would be sincerely interested to hear from you.

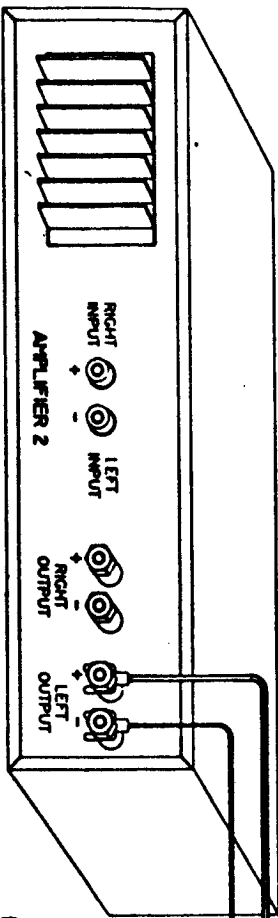
Mirage
THE ORIGINAL SPEAKER LABORATORY

MIRAGE BI-AMP / BI-WIRE WIRING INSTRUCTIONS

CONNECT TO THE RIGHT SPEAKER AS SHOWN FOR THE LEFT (FROM AMPLIFIER 1 AND 2)

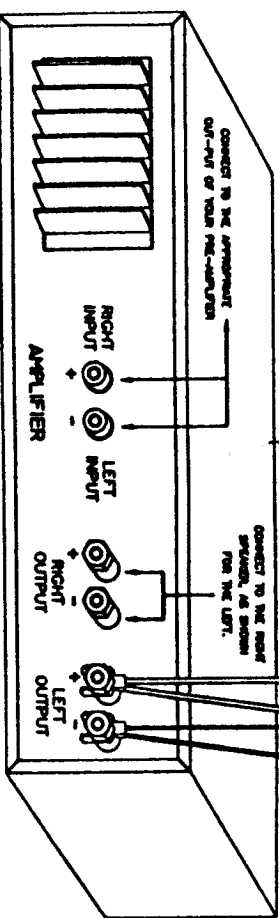


BI-AMP HOOKUP



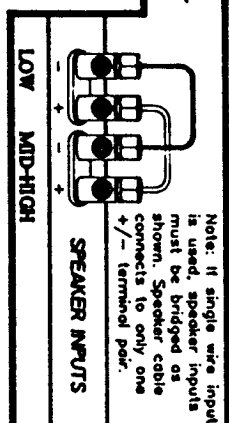
BI-WIRE HOOKUP

CONNECT TO THE APPROPRIATE OUT-PUT OF YOUR PRE-AMPLIFIER

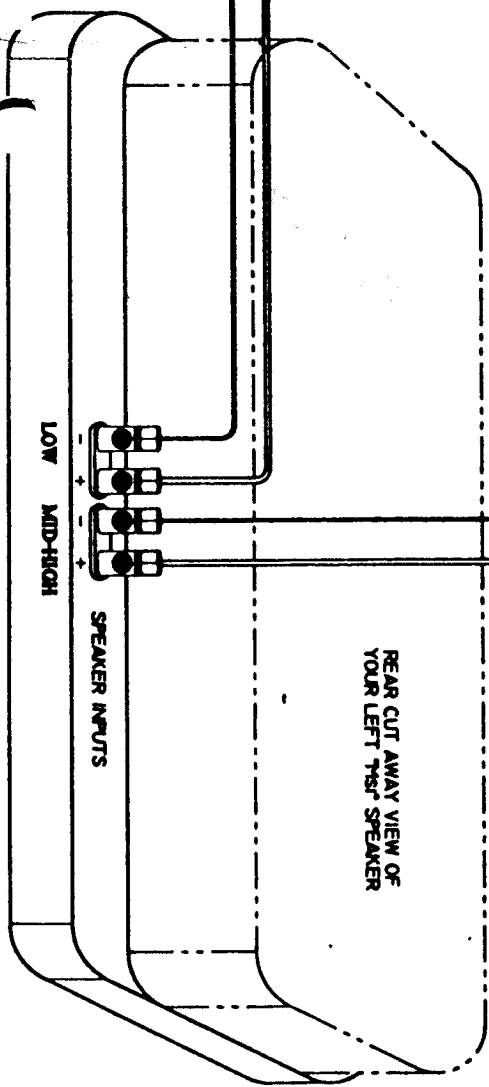


CONNECT TO THE RIGHT SPEAKER, AS SHOWN FOR THE LEFT.

CONVENTIONAL HOOKUP



REAR CUT AWAY VIEW OF YOUR LEFT TWS[®] SPEAKER



REAR CUT AWAY VIEW OF YOUR LEFT TWS[®] SPEAKER

