



PM1 MK2 USER MANUAL

Congratulations! As the new owner of SUBSONIC speakers, you have a product that will provide you with many years of listening pleasure... if looked after properly!

Please read this manual thoroughly for maximum safety, performance and pleasure.

Enjoy your new SUBSONIC speakers!



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Safety Precautions

1. Disconnect your amplifier from the AC mains before connecting or disconnecting speaker cables to reduce risk of electric shock or fire.
2. Do not expose speaker to rain or moisture. Do not place beverages or potted plants requiring water on top of your speakers.
3. Best placement is in a shaded area as long exposure to direct sunlight may damage the finish.
4. Do not locate any sensitive electronic devices such as televisions, magnetic data storage systems, computer equipment, etc., within one meter of each speaker.
5. The Ribbon tweeter is a highly accurate and dynamic transducer. It is also very sensitive - NEVER VACUUM the Ribbon Tweeter or blow air onto the diaphragm of the ribbon tweeter. To do so could damage the ribbon tweeter. Never do a 'battery polarity test' on the ribbon tweeter.

Unpacking

Carefully unpack each speaker — don't touch the ribbon tweeters! — and remove all accessory items from the cartons.

Remember to keep all the packaging, to make it easier to transport the speakers if necessary.

Spikes (for floorstanding speakers) will be included in your carton. We recommend carefully pivoting speakers into position rather than sliding them if your floor is prone to scratch.



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Getting Started

Follow these steps to connect your source components (preamp/receiver, power amplifiers) to the speakers. (If necessary refer to the owners manuals included with your audio components to confirm their connection procedures.)

1. Begin by disconnecting your entire system from the AC mains before connecting or disconnecting any cables.
2. Connect source components (CD, DVD, LP, etc.) to your preamp / receiver.
3. Turn down the volume on the preamp / receiver to avoid thumps and bumps when powering up your amplifier.
4. Connect the preamp / receiver to your power amplifier.
5. Connect the speakers to your power amplifier. Be sure to maintain consistent polarity. For each channel output, connect the left-channel (negative/black) output terminal of the amplifier to the (negative/black) input terminals of each speaker. Then connect the (positive/red) output terminal of the amplifier to the (positive/red) input terminal of each speaker.

CAUTION! Never short-circuit the amplifier's output terminals by touching bare speaker wires against each other! Turn off amplifier before changing cables.

6. Be sure that all system connections are firm and secure, with no loose strands of wire sticking out from the terminals.
7. Turn on your system.
8. Slowly raise the volume on the preamp/receiver.

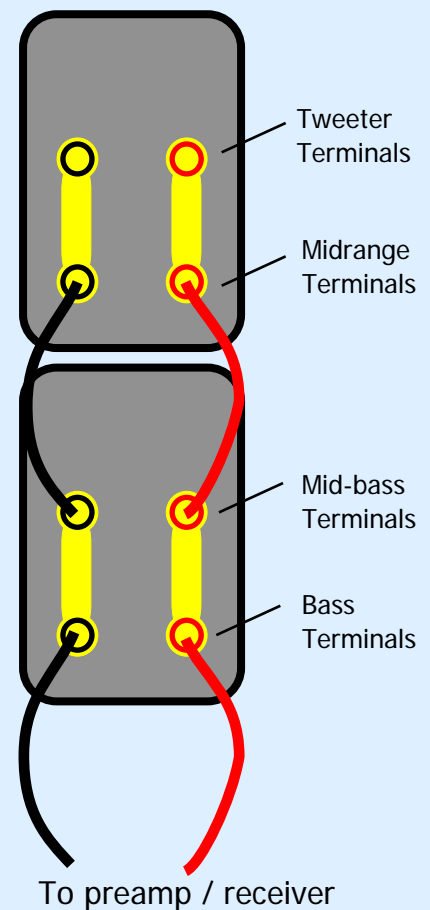


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Single Wire Connection

Connect your new SUBSONIC speakers to your audio system in one of three ways: single-wire, bi-amplified, tri-amplified or quad-amplified . Please follow these hookup instructions carefully for single wire connection.

1. Use high-quality speaker cable with high-quality connectors.
2. Turn off all audio system power before making or changing connections.
3. Verify correct polarities (i.e., + to + and - to -) when making connections. Incorrect polarity results in unfocused sound and softer, diminished bass.
4. A single-wire speaker cable is necessary for each speaker when using the supplied solid-brass jumpers. You will also need a small length of quality speaker cable to join the top and bottom terminal plates together.
5. Connect the quality speaker cables as shown in the diagram opposite.





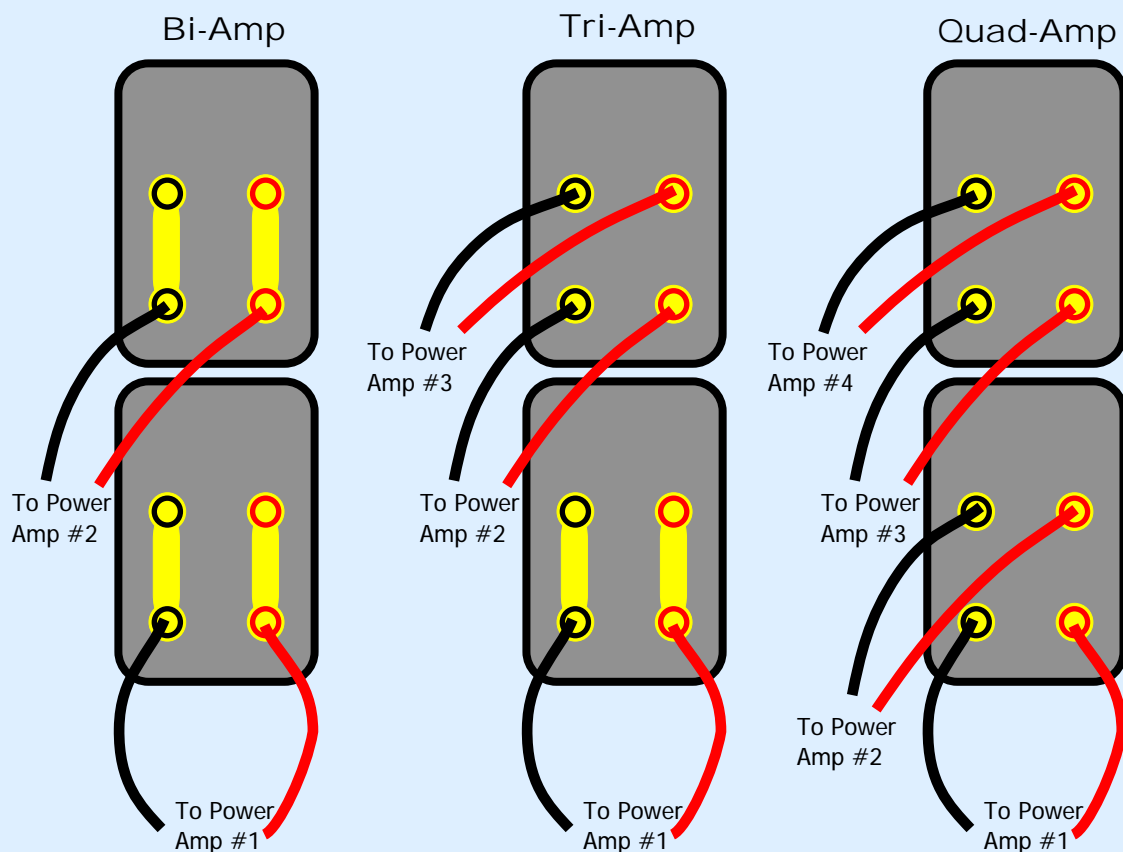
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Bi, Tri or Quad Amplify Connection

Please follow these hookup instructions carefully.

1. Bi-amplifying: Use separate amplifier channels to drive each set of terminal plates.
2. Tri-amplifying: Remove the Terminal Plate links from the TOP terminal plate. Use separate amplifiers to drive (i) Bass/Mid-bass, (ii) Midrange and (iii) Tweeter.
3. Quad-amplifying: Remove the Terminal Plate links from the TOP and BOTTOM terminal plates. Use separate amplifiers to drive (i) Bass, (ii) Mid-bass, (iii) Midrange and (iv) Tweeter.

CAUTION! Failure to remove the terminal jumpers when necessary may damage some amplifiers.





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Care & Maintenance

CAUTION! Disconnect your entire system from the AC mains before cleaning.

1. Remove dust from cabinet by wiping it with a clean, smooth cotton cloth. Be especially careful when dusting lacquered surfaces. Any cloth other than combed cotton will cause micro scratches in the finish.
2. Remove dirt and fingerprints by wiping the surface with a soft, smooth cotton cloth slightly dampened with mild soapy water. Wipe only in the direction of the grain. Non-abrasive acrylic polish may be used on lacquered surfaces.
3. Clean the grille with gentle vacuuming. ALWAYS remove the grille from the speaker before vacuuming so you do not damage the Ribbon Tweeter.
4. The woofer cone may be cleaned with a moist soft cloth. NEVER TOUCH THE RIBBON TWEETER!!
5. The Ribbon tweeter is a highly accurate and dynamic transducer. It is also very sensitive - NEVER VACUUM the Ribbon Tweeter or blow air onto the diaphragm of the ribbon tweeter. To do so could damage the ribbon tweeter. Never do a 'battery polarity test' on the ribbon tweeter.

CAUTION! Never use benzene, thinner, alcohol or any other volatile cleaning agent. Window spray is not recommended. Do not use abrasive cleaners as they may damage the finish.



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Specifications

DESCRIPTION:

4-WAY Bass reflex loudspeaker. Quad-Wireable Terminals

FREQUENCY RESPONSE:

29Hz to 30kHz (+-2.5 dB)

AMPLIFIER POWER:

25W to 200W

DRIVE UNIT DETAILS:

BASS DRIVERS

2 x 165mm Shielded Woofers. Critically damped doped paper cone.

MID-BASS DRIVER

1 x 165mm Shielded Woofers. Critically damped doped paper cone.

MID-RANGE DRIVERS

1 x 130mm Shielded midrange. Critically damped doped paper cone.
Midrange Chamber volume: 1.8 litres

RIBBON TWEETER

1 x110mm Aluminium Ribbon Tweeter. Diaphragm (528 square mm)

CABINET STYLE:

Vented Enclosure. 18mm MDF (32mm MDF baffle)
Timber Veneer. 360 Degree Interlock bracing

CROSSOVER:

18-24dB/octave 4-Way crossover

DIMENSIONS (MM):

1065(H)x 230(W)x 395(D) (Excluding 32mm Plinth)

NET WEIGHT:

35 Kg