

MAGICO

M7

OWNER'S MANUAL



THANK YOU FOR PURCHASING THE MAGICO M7 LOUDSPEAKER. THE M7 INCORPORATES ALL WE HAVE LEARNED IN THE PAST TWO DECADES ABOUT LOUDSPEAKER DESIGN AND MANUFACTURING. LIKE ALL MAGICO LOUDSPEAKERS, THE M7 IS A PRECISION INSTRUMENT FOR MUSIC AND HOME THEATER REPRODUCTION. PROPERLY SET UP AND MAINTAINED, IT WILL PROVIDE YOU WITH A GREAT MUSICAL EXPERIENCE FOR MANY YEARS. BEFORE UNPACKING AND PLAYING YOUR SPEAKERS, PLEASE READ THE FOLLOWING MANUAL FULLY. IT WILL PROVIDE YOU WITH DIRECTIONS FOR PROPERLY SETTING UP, POSITIONING, CONNECTING, AND CARING FOR YOUR SPEAKERS. FOLLOWING THESE INSTRUCTIONS WILL ENSURE A SMOOTH INSTALLATION AND OPTIMUM SPEAKER PERFORMANCE. IF YOU HAVE ANY QUESTIONS, PLEASE CONTACT YOUR AUTHORIZED MAGICO DEALER. MAGICO MAINTAINS A NETWORK OF DEDICATED DISTRIBUTORS WHO WILL BE ABLE TO HELP YOU, SHOULD YOU HAVE ANY PROBLEMS YOUR DEALER CANNOT RESOLVE. FOR THE LATEST INFORMATION ON ALL MAGICO PRODUCTS, PLEASE VISIT OUR WEBSITE: WWW.MAGICOAUDIO.COM

I WISH YOU MANY HOURS OF LISTENING PLEASURE.

KINDEST REGARDS,

A handwritten signature in black ink, appearing to read "Alon Wolf". The signature is fluid and cursive, with the first name "Alon" written in a larger, more prominent script than the last name "Wolf".

ALON WOLF, CEO
MAGICO, LLC



THE M7 USES A TWEETER EQUIPPED WITH A DIAMOND COATED BERYLLIUM DOME, ALLOWING A FREQUENCY RANGE EXTENDING BEYOND 40kHz. IN ITS SOLID FORM, BERYLLIUM IS HARMLESS. HOWEVER, DUE TO ITS NATURE, CERTAIN SPECIAL PRECAUTIONS SHOULD BE OBSERVED TO AVOID EXPOSURE TO UNNECESSARY RISK, SUCH AS:

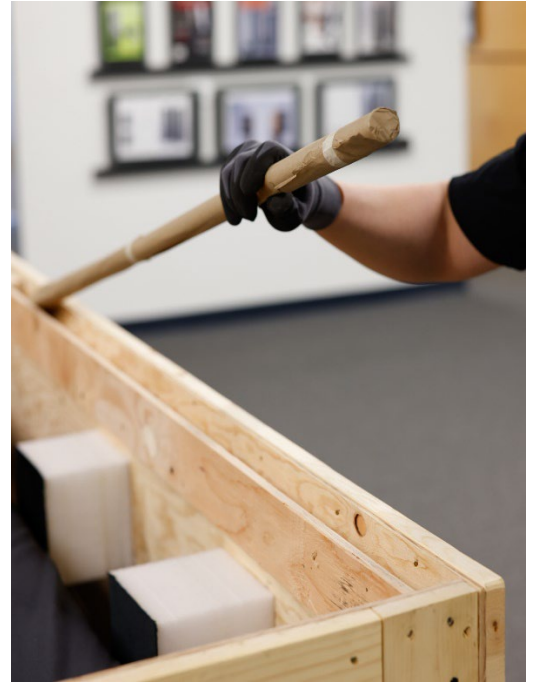
- UNDER NO CIRCUMSTANCES SHOULD THE BERYLLIUM DOME BE SUBJECTED TO ANY FORM OF ABRASIVE ACTION.
- IN THE UNLIKELY CASE OF DAMAGE TO THE DOME, OF ANY FORM, A WIDE PIECE OF ADHESIVE TAPE SHOULD BE IMMEDIATELY USED TO SEAL THE WHOLE FRONT SURFACE OF THE TWEETER. YOU SHOULD THEN INFORM THE DEALER WHO YOU PURCHASED THE PRODUCT FROM, SO THAT THE TWEETER CAN BE REMOVED AND REPLACED BY A PROFESSIONAL.
- IF THE DOME IS DAMAGED IN ANY WAY, CAUSING LOOSE PARTICLES OF BERYLLIUM, THESE SHOULD BE CAREFULLY COLLECTED WITH THE USE OF ADHESIVE TAPE, PLACED IN A SEALABLE BAG, AND RETURNED ALONG WITH THE TWEETER.

M7 Unpacking Manual

1. Position your crate with clearance on all sides and remove the metal clips affixing the lid. Lift the lid clear of the crate.



2. Locate the lifting rod inside the crate, remove one Phillips-head screw and remove the rod from the crate.



3. Locate the ramp inside of the crate. Lift it up and away from the crate



4. Re-affix the top of the crate with 4 metal clips. Pass the lifting rod through the hole in the bottom of the crate.



5. With three people lifting the rod and the rear of the crate and one person steadying the front of the crate. Lift the crate into a vertical orientation.



6. Using 9/16" socket bit remove the 6 bolts from the base of crate. Lay down the body of the crate and move it away from the speaker.



7. Using a 9/16" socket remove the 8 screws and 4 clamps securing the casters. On each caster cut the zip tie and remove the wooden support block.



8. Apply the ramp to the front of the crate base, hooking in the locator pins to secure. Turn the front casters to be positioned under the speaker. Roll the speaker down the ramp carefully.



9. Remove the velvet protective bag. Locate the speaker as close as possible to its final position.



10. IMPORTANT: Position the casters on one side of the speaker to be turned under speaker with brakes applied.



11. With one person on either side of the speaker, tilt it slightly towards the casters turned under the speaker. A third person will remove the casters and replace with MPods. The MPods with the shorter screw are positioned in the front of the speaker with the MPods with the longer screw in the rear of the speaker. Gently lower that side of the speaker back to the ground.



12. Repeat the last step by tilting the speaker in the opposite direction, onto the MPods. Remove the casters, apply the remaining two MPods and return gently to the floor.



13. Apply the chrome locking knobs to the exposed MPod thread on the rear of the speaker. If necessary, adjust the depth of the MPods to compensate for any irregularities in the floor. Tighten the chrome knobs down into place to lock the rear feet.



14. Remove the tweeter guard and protective plastic. The M7 is now ready to hook up to your system.



TIGHTENING THE M7 TENSION RODS

1. A TORQUE WRENCH IS INCLUDED IN EACH ACCESSORY KIT TO CHECK TORQUE ON EACH OF THE (12) 12 POINT FASTENERS ON THE BACK OF THE M7.
2. SET THE TORQUE WRENCH FOR 80 INCH POUNDS.
 - LOOSEN THE LOCK AT THE BOTTOM OF THE TORQUE WRENCH.
 - TURN THE HANDLE SO THE "0" LINES UP WITH THE "80" ON THE INCH-POUND SCALE.
 - TIGHTEN THE LOCK AT THE BOTTOM OF THE TORQUE WRENCH.



3. ATTACH THE ¼” 12 POINT SOCKET TO THE TORQUE WRENCH DRIVE SHAFT.

4. CHECK THE TORQUE OF EACH OF THE (12) 12 POINT FASTENERS ON THE BACK OF THE M7. THE WRENCH WILL CLICK TO LET THE USER KNOW THAT THE TORQUE SETTING OF THE FASTENERS IS UP TO DATE. **NOW SET THE WRENCH TO ITS LOWEST SETTING TO PRESERVE ITS ACCURACY DURING STORAGE.**

- LOOSEN THE LOCK AT THE BOTTOM OF THE TORQUE WRENCH.
- TURN THE HANDLE SO THE “0” LINES UP WITH THE “20” MARK ON THE INCH-POUND SCALE.
- TIGHTEN THE LOCK AT THE BOTTOM OF THE TORQUE WRENCH.



SPECIFICATIONS

DESCRIPTION: 4-WAY (6 DRIVER) Loudspeaker

DRIVER COMPLEMENT:

1.1" Diamond Coated Beryllium Dome Tweeter

5" Gen 8 Midrange driver

9" Gen 8 Midbass driver (x2)

12" Gen 8 Bass Driver (x2)

SENSITIVITY: 92dB

IMPEDANCE: 4 Ohms

FREQUENCY RESPONSE: 18 Hz – 50 kHz

RECOMMENDED POWER: 50W-1000W

DIMENSIONS: 65"H x 29"D x 19.3"W (164cm x 73cm x 49cm)

WEIGHT: 526 lbs. (239 kg.)

LIMITED WARRANTY

DEAR MAGICO PURCHASER,

THIS PRODUCT HAS BEEN DESIGNED AND MANUFACTURED TO THE HIGHEST QUALITY STANDARDS. HOWEVER, IF SOMETHING DOES GO WRONG WITH THIS PRODUCT, MAGICO, LLC AND ITS NATIONAL DISTRIBUTORS WARRANT THE REPLACEMENT OF DEFECTIVE PARTS INCLUDING LABOR (EXCLUSIONS MAY APPLY) IN ANY COUNTRY SERVED BY AN OFFICIAL MAGICO, LLC DISTRIBUTOR. THIS LIMITED WARRANTY IS VALID FOR A PERIOD OF 5 YEARS FROM THE DATE OF PURCHASE.

TERMS AND CONDITIONS

1. THE WARRANTY IS LIMITED TO THE REPAIR OF THE EQUIPMENT. IN THE EVENT THAT THIS LOUDSPEAKER REQUIRES SERVICE, THE CUSTOMER MUST FIRST OBTAIN A RETURN AUTHORIZATION FROM MAGICO OR ITS AUTHORIZED DISTRIBUTOR. THE CUSTOMER IS RESPONSIBLE FOR RETURNING THE LOUDSPEAKER TO MAGICO OR ITS AUTHORIZED DISTRIBUTOR. IN THE EVENT THAT THE REPAIR IS DETERMINED TO BE UNDER WARRANTY, MAGICO WILL RETURN THE LOUDSPEAKER TO THE CUSTOMER AT NO CHARGE. EXCEPT AS INDICATED, NEITHER TRANSPORTATION, SHIPPING, NOR ANY OTHER COSTS, NOR ANY RISK FOR REMOVAL, TRANSPORTATION AND INSTALLATION OF PRODUCTS IS COVERED BY THIS WARRANTY.
2. WITH THE EXCEPTION EXPLAINED BELOW, THIS WARRANTY IS ONLY VALID FOR THE ORIGINAL OWNER. IT IS NOT TRANSFERABLE. IT IS VALID ONLY WHEN PURCHASED FROM AN AUTHORIZED MAGICO DEALER. A VALID RECEIPT SHOWING THE PURCHASER'S NAME, DATE OF PURCHASE, AND DEALER INFORMATION MUST BE SUBMITTED WITH ALL WARRANTY CLAIMS.
3. IN THE EVENT THAT THIS LOUDSPEAKER IS PURCHASED AS A USED OR TRADE-IN LOUDSPEAKER FROM AN AUTHORIZED MAGICO DEALER OR DISTRIBUTOR, THE SECOND OWNER SHALL RECEIVE THE BALANCE OF

THE ORIGINAL WARRANTY BASED UPON THE ORIGINAL DATE OF PURCHASE. VALID RECEIPTS SHOWING THE PURCHASER'S NAME, DATE OF PURCHASE, AND DEALER INFORMATION FOR THE CURRENT OWNER AND THE ORIGINAL PURCHASE MUST BE SUBMITTED WITH ALL WARRANTY CLAIMS.

4. THIS WARRANTY WILL NOT BE APPLICABLE IN CASES OTHER THAN DEFECTS IN MATERIALS AND/OR WORKMANSHIP AT THE TIME OF PURCHASE AND WILL NOT BE APPLICABLE FOR DAMAGES CAUSED BY INCORRECT INSTALLATION, CONNECTION OR PACKING, FOR DAMAGES CAUSED BY ANY USE OTHER THAN CORRECT USE DESCRIBED IN THE USER MANUAL, NEGLIGENCE, MODIFICATIONS, OR USE OF PARTS THAT ARE NOT MADE OR AUTHORIZED BY MAGICO, LLC, FOR DAMAGES CAUSED BY FAULTY OR UNSUITABLE ANCILLARY EQUIPMENT, FOR DAMAGES CAUSED BY ACCIDENTS, LIGHTNING, WATER, FIRE HEAT, EXTREME WEATHER CONDITION, WAR, PUBLIC DISTURBANCES OR ANY OTHER CAUSE BEYOND THE REASONABLE CONTROL OF MAGICO, LLC AND ITS APPOINTED DISTRIBUTORS, FOR PRODUCTS WHOSE SERIAL NUMBER HAS BEEN ALTERED, DELETED, REMOVED OR MADE ILLEGIBLE, IF REPAIRS OR MODIFICATIONS HAVE BEEN EXECUTED BY AN UNAUTHORIZED PERSON.
5. THIS GUARANTEE COMPLEMENTS ANY NATIONAL/REGIONAL LAW OBLIGATIONS OF DEALERS OR NATIONAL DISTRIBUTORS AND DOES NOT AFFECT YOUR STATUTORY RIGHTS AS A CUSTOMER.
6. UNAUTHORIZED DISMANTLING OF THIS PRODUCT WILL RENDER THIS WARRANTY VOID.
7. MAGICO, LLC STRIVES TO MANUFACTURE THE VERY FINEST POSSIBLE EQUIPMENT, AND THEREFORE RESERVES THE RIGHT TO MAKE CHANGES OR IMPROVEMENTS WITHOUT NOTICE.

SPEAKER PLACEMENT AND POSITIONING

THE MAGICO M7 LOUDSPEAKERS ARE PRECISION INSTRUMENTS FOR MUSIC REPRODUCTION. AS SUCH, PROPER CARE AND ATTENTION TO DETAIL WHEN SETTING UP THESE SPEAKERS WILL YIELD THE MAXIMUM PERFORMANCE, REGARDLESS OF THE PARTICULAR ROOM. FOLLOWING THESE SET-UP GUIDELINES WILL ENSURE THE SPEAKERS ARE PROPERLY POSITIONED TO DELIVER THE OPTIMUM LISTENING EXPERIENCE. ALL THAT IS REQUIRED IS A TAPE MEASURE, A PEN, A CALCULATOR, A BALL OF STRING, A COUPLE OF DEMO TRACKS, AND SOME PATIENCE.

PLACEMENT—M7s IN RELATION TO BACK AND SIDE WALLS

BEFORE YOU BEGIN: LOOK FOR OBVIOUS IMPEDIMENTS INCLUDING ANYTHING THAT COULD IMPEDE OR DIMINISH THE SOUND—E.G., OTHER SPEAKERS, AMPLIFIERS, EQUIPMENT RACKS, ANYTHING ON THE WALL THAT COULD CAUSE A REFLECTION, A SEVERE MISMATCH IN QUALITY AMONG INDIVIDUAL COMPONENTS, AND UNNECESSARY OR POORLY RUN SPEAKER/INTERCONNECT CABLES.

BASS—DISTANCE FROM REAR WALL

THE INITIAL PLACEMENT SHOULD BE APPROXIMATELY 20 INCHES (1/2 M) FROM THE BACK OF THE LOUDSPEAKER TO THE BACK WALL. SINCE WE HAVE SHORT AUDITORY MEMORY, THE SELECTED DEMO MUSIC CUT SHOULD BE BRIEF—30 SECONDS – 1 MINUTE MAX. IT SHOULD BE A WELL RECORDED JAZZ CUT WITH GOOD BASS GUITAR OR PERCUSSION. WHAT WE ARE LISTENING FOR AT THIS TIME IS THE DEFINITION OF THE BASS AND THE RIGHT SENSE OF PROPORTION.

NEXT, MOVE THE SPEAKER 6 – 8 INCHES (15 – 20 CM) FORWARD AND REPEAT THE LISTENING PROCESS. REPEAT THIS PROCESS, MOVING THE LOUDSPEAKER FORWARD IN 6 – 8 INCH (15-20 CM) INCREMENTS. WHEN YOU REACH THE POINT FROM WHICH MOVING THE SPEAKER FORWARD SOUNDS WORSE THAN THE PREVIOUS

LISTENING POINT, MOVE THE LOUDSPEAKER BACK TO THIS POSITION AND MARK THIS DISTANCE FROM THE REAR WALL.

MIDRANGE—PLACEMENT IN RELATION TO SIDE WALLS FOR LATERAL PLACEMENT

BEGIN BY DIVIDING THE ROOM WIDTH BY 14. INITIAL PLACEMENT OF THE LOUDSPEAKERS WILL BE AT 3 AND 11. THE DISTANCE FROM THE LOUDSPEAKER TO THE EARS HAS TO BE PRECISELY EQUAL. THIS MEASUREMENT IS CRITICAL. THE MUSIC FOR THIS PROCESS SHOULD BE A FEMALE VOICE AND PIANO. WE ARE LISTENING FOR THE IMAGE OF HER VOICE TO BE FOCUSED. THE RULE FOR THE TOE-IN IS TO PICK A POINT APPROXIMATELY 1 – 2 FEET (.5M) BEHIND THE LISTENER'S HEAD. TOE THE LOUDSPEAKERS IN TO INTERSECT AT THAT POINT.

IF THE SOUND IS TOO BRIGHT, TOE THE SPEAKERS OUT A LITTLE MORE. IF THE SOUND IS TOO DULL, TOE THE SPEAKERS IN A LITTLE MORE. REPEAT THE ABOVE PROCESS WITH THE LOUDSPEAKERS AT THE 4 AND 10 POSITION. THEN REPEAT, ONCE AGAIN WITH THE SPEAKERS AT THE 5 AND 9 POSITION.

SUMMARY

ONCE THE INITIAL PROCESS HAS BEEN COMPLETED, RETURN TO THE BASS SET-UP TO ENSURE THAT THE LOUDSPEAKERS ARE THE PROPER DISTANCE FROM THE BACK WALL. WHEN THE PROCESS HAS BEEN COMPLETED, MARK THE SPEAKER LOCATION WITH TAPE SO THAT THE SPEAKERS CAN BE RETURNED THERE FOR FURTHER LISTENING.

POSITIONING—M7s IN RELATION TO THE LISTENER

- THE SPEAKERS AND THE LISTENER SHOULD FORM AN ISOSCELES TRIANGLE.
- THE LISTENER SHOULD BE EXACTLY EQUIDISTANT BETWEEN THE TWO LOUDSPEAKERS. THE BEST WAY TO DETERMINE THIS IS WITH A PIECE OF STRING. PICK A FIXED SPOT AT THE LISTENING POSITION. RUN THE STRING FROM THIS SPOT TO THE FRONT OF THE TWEETER OF THE LEFT SPEAKER. REPEAT THE PROCESS FOR THE RIGHT SPEAKER. IT IS CRITICALLY IMPORTANT TO KEEP THIS DISTANCE PRECISELY THE SAME.

CONNECTIONS

CONNECTIONS SHOULD BE MADE WITH ALL ELECTRONIC EQUIPMENT (AMPLIFIERS, PREAMPLIFIERS) TURNED OFF. THERE ARE TWO TERMINALS AT THE BACK OF THE SPEAKER. THE TERMINALS ARE INSULATED TO ACCEPT A VARIETY OF CABLE TERMINATIONS FOR MOST APPLICATIONS AND TO PREVENT ANY LIKELIHOOD OF ELECTRICAL SHOCK, EVEN WHEN THE SPEAKERS ARE USED WITH THE HIGHEST-POWERED AMPLIFIERS. DO NOT USE TOOLS TO TIGHTEN THE BINDING POSTS.

BREAK-IN

A LOUDSPEAKER IS A MECHANICAL DEVICE AND AS SUCH REQUIRES AN EXTENDED INITIAL PERIOD OF NORMAL USE DURING WHICH A NOTICEABLE IMPROVEMENT IN SOUND QUALITY WILL OCCUR. DO NOT ATTEMPT TO ACCELERATE THE BREAK-IN PROCESS BY PLAYING SINE WAVES, TONE SWEEPS, BREAK-IN CDS OF ANY SORT, OR OTHER GENERATED SIGNALS.

CARE

FOR ALUMINUM PANELS USE A LINT-FREE SOFT CLOTH (PROVIDED IN ACCESSORY KIT). FOR PAINTED SURFACES, USE A PRODUCT SUCH AS MEGUIAR'S PROFESSIONAL FINALINSPECTION 34. DO NOT USE CLEANERS THAT CONTAIN AMMONIA, STRONG SOLVENTS, OR ABRASIVE MATERIALS. USE OF THESE CLEANERS CAN DEGRADE, SCRATCH, OR DESTROY THE FINISH.

DISCLAIMER

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MAGICO, LLC

3170 CORPORATE PLACE

HAYWARD, CA 94545

USA

PHONE: +1.510.649.9700

EMAIL: INFO@MAGICO.NET

BUSINESS HOURS: 8AM - 4PM PACIFIC TIME



