



**ELVES
SPEAKERS**

OWNER'S MANUAL

Serial Number _____

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INTRODUCTION

Congratulations on choosing the Elves Speakers. Your units have been individually hand crafted from the finest parts and materials. The Elves utilize proprietary Cello circuitry that represents the state-of-the-art in audio electronics. They are designed to perform to specification for decades of musical enjoyment. We want your Elves Speakers to provide you with complete satisfaction. Please read this manual carefully and care for your Elves so that they will retain their value, beauty and performance.

If you have any questions, contact your authorized Cello Designer or call the factory. It is our wish to assist you in any way possible to facilitate your listening pleasure.

PRODUCT CONCEPT AND DESCRIPTION

The Elves are attractive, dynamic, phase-coherent, two-way loudspeakers with relatively high efficiency and wide dynamic range. They offer natural tonal balance, fast and accurate response and a deep strong bass in a compact cabinet.

The Elves construction, wiring and quality control meet the same standards as those of the Cello Grand Master. Custom made Litz wiring is used throughout. The 6.5" cone woofer and 1" dome tweeter are specially designed for high efficiency. The Elves utilize a ported enclosure providing exceptional low frequency output in a small package with low distortion.

The Elves come standard with four removable feet. Removing the feet exposes four threaded inserts which can be used for mounting to stands or brackets, or the installation of spikes.

APPLICATION

The compact Elves will fit into a wide range of residential and professional settings. They can be placed on a bookshelf, mixing console or stands, in a cabinet or on wall brackets. Their size make them the ideal product for Cello performance in small to mid-size residential or professional applications.

COMPATIBILITY

The Elves are compatible with most high quality amplifiers from other manufacturers. In fact, Cello engineers designed the Elves specifically to be compatible with a wide variety of available equipment.

FINISH

Elves are available in Piano Black or veneers of Light Burlwood, Red Walnut, Brown Walnut and African Mahogany on standard order. Black, acoustically-transparent grills are provided

INSTRUCTIONS

UNPACKING

The packing boxes for Elves Speakers should arrive in good condition. Please look for damage to the carton and report any internal damage to your freight carrier or dealer immediately. Save packing and cartons for reuse in the event the units must be shipped in the future.

MAINTENANCE

The finish of the Elves Speakers is a clear polyester over wood or piano black polyester paint. High quality furniture polish (such as Formbys or Pledge) and a soft cloth will work well to preserve the shine and remove finger prints. When cleaning, wipe in a circular motion and do not rub too forcefully.

Caution: Make sure not to use any cleaners or polishes with abrasives since these may damage the finish.

CONNECTION

The Elves have bi-wire/bi-amp capability. This means that the high and low frequency crossovers have separate inputs. The crossover inputs are located at the rear of the speakers and are accessed through a pair of gold-plated brass 1/4-20 threaded terminals with nuts for each crossover. The top pair is for the high frequency section and the bottom pair is for the low frequency section. When facing the rear of the speaker the two positive terminals are on your right and are designated by a red dot. The negative terminals are on the left and are designated by a black dot.

All units are shipped with special gold plated brass jumper plates that permit immediate single wire operation. These plates can be simply removed for bi-wire/bi-amp operation.

CELLO LIMITED WARRANTY

PARTS

Cello, Ltd. warranties all mechanical parts for five years and electronic parts for life.

LABOR

Labor is the responsibility of the dealer or distributor, if applicable, except as follows:

Any defective product during the first year shall be repaired by the dealer/distributor with labor paid by Cello according to factory rates for a given repair. At Cello's discretion, or if the dealer/distributor is unable to perform the repair, the unit may be returned to the factory for service using agreed-upon air freight. After repair, the unit will be returned by the same carrier or equivalent. During years 2-5, if the distributor is unable to perform the repair, Cello will pay return air freight from the factory by agreed upon carrier provided the unit was shipped to the factory with air freight prepaid.

Cello will not pay freight if units are returned without a Return Authorization number (RA#). Cello will not pay the freight if units are found to be in perfect working order.

WARRANTY OF WORK PERFORMED

Any specific repairs or modifications effected by the factory or authorized service facility shall be guaranteed for 100% parts and labor for the remainder of the warranty period for the unit or one year (whichever is longer), except for electronic parts which carry a lifetime warranty.

PRODUCT REGISTRATION AND TRANSFERABILITY

Dealers/distributors shall fill out the form on the outside of the carton when the goods are delivered to the retailer. The form should be sent to Cello, Ltd. Warranty cards inside the box shall be completed by the retailer and customer respectively and returned to Cello, Ltd. within thirty days from the date of the sale to the customer.

All products must be registered. When sold, new owners must be registered for the transfer of the warranty to be effected. All warranties are transferable to any succession of subsequent registered owners. Please contact your nearest authorized Cello supplier or the Customer Service Department at the factory for details of subsequent owner warranty registration.

CELLO LIMITED WARRANTY

TAMPERING, ABUSE AND/OR MISUSE

Any unauthorized modifications, repairs or tampering, and/or any indications of obvious owner abuse, negligence or improper usage, or as determined by Cello, Limited.

SERVICE

If you believe your Cello equipment is not functioning properly, please call the Customer Service Department at the factory. If you need to return your component, you will be given an R/A (return authorization) number. This number must appear on the outside of the shipping box. Returns without R/A numbers will not be accepted. Returns received in original Cello packaging will be returned in original packing. Returns received in non-Cello packing will be returned in new Cello packaging at the owner's expense. If you need replacement packing materials, please contact the Customer Service Department at the factory.

ELVES SPEAKERS

SPECIFICATIONS

HEIGHT..... 16" w/o feet
16.75" w/ feet

WIDTH..... 11.5" maximum

DEPTH..... 12.5" maximum

WEIGHT/EACH.....24 lbs/unboxed

WEIGHT/PAIR.....60 lbs/boxed

DRIVERS:

TWEETER.....(1) 1" soft dome

WOOFER.....(1) 6.5" laminated composite cone
with 3" voice coil

CROSSOVER FREQUENCY..... 2KHz

SLOPE..... 6dB/octave

SENSITIVITY 90dB

MINIMUM DRIVING POWER 50W/channel

FREQUENCY RESPONSE.....45Hz to 20KHz
+/- 3 dB

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