



ELS Series Loudspeakers

OPERATING INSTRUCTIONS

*Thank you for purchasing Epos loudspeakers.
Please take a little time to read these brief notes, which will
help you get the best from your loudspeakers.*

POWER REQUIREMENTS

Amplifiers with power outputs between those specified will generally be adequate, although more powerful amplifiers can be used if care is taken to avoid overdriving the loudspeakers.

Use the volume control with discretion, and reduce the level immediately if the loudspeakers begin to distort.

Amplifiers capable of less than 25 Watts per channel output are best avoided because they will restrict the dynamic range. They may also cause damage to the loudspeakers if driven beyond their capability in an attempt to obtain high volume levels.

The clipping distortion produced

when an amplifier is driven beyond its normal output capability can be very destructive. A powerful amplifier operating well inside its capability will generally be less likely to damage your loudspeakers than a lower power amplifier operating beyond its capacity.

Do not make or break connections to the amplifier when it is turned on!

POSITIONING

Space should be left behind the loudspeakers to allow proper operation of rear firing reflex ports and to ensure establishment of good stereo image depth.

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Some experimentation may be necessary to establish the ideal position within your listening room. Begin by positioning the loudspeakers about 20cm (8") from the rear wall and gradually move them out a little until you achieve the best balance between bass weight and definition. Avoid placing the loudspeakers in corners because this may cause un-welcome colouration of the midband frequencies. Try to leave at least 40cm of space between each loudspeaker and the nearest side wall.

The optimum stereo performance will be achieved when the speakers are positioned 2.5 metres (8') or more from the listener and about the same distance from one another. Turning the speakers in very slightly towards the listener often helps to stabilise the stereo image.

Speakers 'image' best if you can just see the top face of the speaker from your listening position. Remember, there is no absolute right or wrong - if it sounds good, it is good.

STANDS

The best results will be obtained from the ELS 3 if they are placed on stands rigidly coupled to the floor using carpet piercing spikes. This will help preserve the outstanding midband clarity which is a hallmark of Epos loudspeakers.

Epos stands are available to match the ELS 3. Please contact your dealer for further information or visit the Epos web site:

www.epos-acoustics.com

CONNECTION

Ensure that your amplifier is switched off before you make or break any connections, as damage may occur if shorted.

Your Epos loudspeakers are equipped with high quality connection sockets with excellent electrical contact and current specification.

A set of 4 plugs is supplied with your loudspeakers. These will allow you to terminate your speaker cables. To terminate the cables, simply remove enough insulation to allow the plastic

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shroud to fit over the end of your cable. Make a solder connection to the plug and screw in the cover until no bare plug is evident.

Once again, if you are in doubt consult your Epos dealer, who will be able to offer this service.

The plugs provided have been selected to provide a good electrical connection.

The sockets on the rear of the loudspeaker marked red (on the right side as you look at the loudspeaker rear panel) should be connected to the red (or positive) output terminals on your amplifier, while the sockets marked black should be connected to the black (or negative) output terminals on your amplifier.

Use good quality cable to connect your loudspeakers to the amplifier.

- ◆ Ensure that the cables from each speaker are of roughly equal length
- ◆ Do not coil the surplus tightly.

WARNING

If the cables are not connected to each left and right speaker in the same way, i.e. black and red reversed in one, the effect will be of incorrect phasing. This will cause the bass to disappear and the stereo image to spread from the middle to a position outside the two speakers.

Correctly wiring the polarity of the speakers will restore the image to between the speakers and provide proper bass. Most speaker cables have a polarising mark, such as a raised bump, coloured line or writing on the positive wire.

LISTENING

Switch on the amplifier with the volume turned down low.

Check that the bass and treble sounds come from both speakers.

If not, switch off and remake the connections.

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RUNNING IN

Epos loudspeakers require a little gentle use to allow their working components to settle into their proper working routine.

Do not be concerned if your new speakers sound aggressive and lacking in low-frequency authority when you first begin to use them.

Things will quickly improve. Allow between twenty-four and forty-eight hours of use before you expect your new loudspeakers to perform to their full capacity.

PROTECTIVE GRILLES

Your Epos loudspeakers are supplied with protective grilles.

The use of these grilles is entirely optional and many owners prefer the appearance of the loudspeakers without them. A small reduction in clarity may be apparent with the grilles on.

If you wish to use the grilles, simply push them into the holes provided on the front panel, or pull them off to remove them.

REMEMBER ALWAYS

- ◆ lower the volume before making any adjustments to the system (e.g. switching amplifier inputs or raising or lowering pickup arm).
- ◆ switch off the amplifier before checking or making any changes to any connections in the system.

NEVER

- ◆ try to find out how loud the system will go.
- ◆ use your loudspeakers for any other purpose other than domestic listening.

PLEASE

- ◆ complete and return your registration card—not forgetting to specify your model and serial number.
- ◆ store the complete packaging for possible future use.

DISCLAIMER

The 4 mm plugs used on modern Hi-Fi speaker cables can be inserted into European mains sockets. Needless to say, this is pointless and can be fatal if tried. Make sure that young members of the family are prevented from ever doing this.

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ELS 303

Floorstanding Loudspeaker SPECIFICATION

Design

2 ½ way floor standing bass reflex

Power Handling

150 Watts speech & music

Frequency Response

48 Hz - 20 kHz

Impedance

4 Ohm nominal

Sensitivity

87 dB/1W/1m

Amplifier Compatibility

50 - 200 Watt

Positioning

20-50 cm (8-20 in) from rear wall

Tweeter

25 mm aluminium dome with high temperature voice coil and neodymium shielded magnet system

Mid / Bass

130 mm polymer cone with high temperature voice coil, injection moulded PP cone mounted on an inert die-cast aluminium chassis

Bass

130 mm polymer cone with high temperature voice coil, injection moulded PP cone mounted on an inert die-cast aluminium chassis

Crossover

Multi-element medium order

Termination

Bi-wirable with quad terminals that can be linked

Cabinet

15 mm HD chipboard wrap and 25 mm front baffle with vinyl wood finish. Supplied with 6 mm custom made spikes and should be used bolted to ELS plinth (bolts and plinth supplied)

Grille

Black cloth with Epos badge

Finishes

Light cherry / Dark cherry / Black ash

Size (H x W x D)

850 x 175 x 195 mm
(34 x 7 x 7 ¾ ins) Includes grille

Weight

10 kgs / 22 lbs each speaker

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ELS 3

Mini-Monitor Loudspeaker

SPECIFICATION

Power Handling:

100 Watt speech and music

Frequency Response:

65 Hz - 20 kHz

Impedance:

4 Ohm nominal

Sensitivity:

87 dB/W /1m

Amplifier Compatibility:

25 - 100 Watt

Positioning:

20 -50cm (8" - 20") from a rear wall

Bass Driver:

130 mm polymer cone with 25mm high temperature voice coil, injection moulded PP cone mounted on an inert die-cast aluminium chassis

Tweeter:

25 mm aluminium dome with high temperature voice coil and neodymium shielded magnet system

Crossover:

Bass driver crossover is achieved by 3 components in a 2nd order filter and tweeter uses 4 components in a 3rd order filter at 3kHz crossover

Cabinet:

12 mm HD Chipboard wrap and 25mm MDF front baffle with vinyl wood finish

Finishes:

Light Cherry, Dark Cherry, or Black Ash.

Size: (H x W x D)

270 x 175 x 195 mm
(10¾ x 7 x 7¾ ins) Includes grille

Weight:

4.5kg / 10 lb each speaker
10.5 kg / 21lb boxed gross.

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ELS 3C

Centre Channel

SPECIFICATION

Power Handling:

100 Watt speech and music

Frequency Response:

65 Hz - 20 kHz

Impedance:

8 Ohm nominal

Sensitivity:

87 dB/1w/1m

Amplifier Compatibility:

25 - 100 Watt

Positioning:

Either above or below the CRT or Plasma monitor. If close to the floor, angle the speaker up a little to aim at listener's face.

Bass/Midrange Driver:

2 x 130 mm polymer cone with 25mm high temperature voice coil, injection moulded PP cone mounted on an inert die-cast aluminium chassis

Tweeter:

25 mm aluminium dome with high temperature voice coil and neodymium shielded magnet system

Crossover:

Bass driver crossover is achieved by 4 components in a 2nd order filter & tweeter uses 4 components in a 3rd order filter at 3 kHz crossover

Cabinet:

12 mm HD Chipboard wrap and 25mm MDF front baffle with vinyl wood finish

Finish:

Light Cherry, Dark Cherry, or Black Ash.

Size: (H x W x D)

174 x 510 x 210 mm
(7 x 20 x 8¼ ins) Includes grille

Weight:

8.8 kg / 19 lb each speaker
10.5 Kg / 21 lb boxed gross.



WARRANTY

Your Epos loudspeakers have been built to very high standards and should give many years of trouble-free service.

If within five years of purchase they do prove to be defective for any reason other than accident, misuse, neglect, unauthorised modification or fair wear and tear, we will repair the defect or, at our option, replace the faulty speakers without charge for parts, labour or return carriage.

Your purchase receipt should be retained as it may be required in the event that you should need to claim warranty attention.

This warranty is applicable in the United Kingdom only and given in addition to your statutory rights.

Service enquiries in countries other than the United Kingdom should be addressed to the local Epos agent or distributor. Details of your local distributor can be found on the Epos web site.

Warranties granted in these countries are entirely at the discretion of the agent or distributor.

For warranty issues please contact your supplying dealer in the first instance.

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Designed and engineered in the UK
