

OPERATION MANUAL

Model SE34I.2



ZEN TRIODE INTEGRATED AMPLIFIER

MANUFACTURED by DECWARE / High Fidelity Engineering Co.
1202 N.E. Adams Street, Peoria IL 61603
USA

www.decware.com

GENERAL DESCRIPTION

The SE34I.2 is a refined version of our original and very popular SE34I. We traded some of the features of the original for a purer signal path resulting in a fidelity that as you will hear is hard to argue with.

This is an SET (Single ended Triode) dual mono amplifier with gain (volume) control making the use of a preamp optional. In addition there is a high quality silver input selector giving you a choice between 4 line level sources.

The circuit is a tube rectified design that uses no negative feedback, is point-to-point wired with no circuit boards and has only 1 capacitor in the signal path!

TUBES

This amplifier uses a total of 6 tubes, 3 per channel. The rectifier being the largest of the three tubes is a 5U4 and locates on the inside socket. The output tube is an EL34 and locates on the outside socket. The smallest tube is a 9 pin dual triode called a 6922 which drives the EL34 output tube.

TUBE ROLLING

You may substitute the 6922 tubes with either 6DJ8's or 6N1P tubes without modifications to the amp. In this amp, they are direct plug in replacements.

The EL34 output tubes shipped with your amp are premium quality and should last for between 1 and 2 years or more with less frequent use. You can use any brand of EL34 tube you wish. You do not have to use matched tubes.

The 5U4 rectifiers shipped with your amp can also be substituted with any brand of 5U4. The RUBY brand 5U4's we ship with the amp are great sounding tubes, but they are made in China and do not have the same construction quality as the older USA made General Electrics. If you experience an internal vibration in the RUBY 5U4, you can lightly tap on the tube and it usually goes away. This is normal for the Chinese made 5U4. Replacing it with a New Old Stock 5U4 will eliminate this phenomenon.

OPERATION

Your amplifier comes with a rear mounted power switch and two front mounted standby switches. The standby switches turn on the high voltage to the tubes when the main power switch is on. If the standby switches are turned off, the main power switch will only power the tube heaters. The typical way to use this setup is to turn on the main power switch first, wait about 30 seconds or so and then turn on the standby switches.

MAINTENANCE

Your amplifier was overbuilt and designed to offer trouble free service for your lifetime. That is why it comes with a lifetime warranty. There is no maintenance other than occasional tube replacement. The amp is self biasing so it will never need adjusted as the tubes wear, or as you roll tubes.

There is a 5 amp fuse located inside the IEC connector on the back where your removable power cord plugs in. The well hidden fuse holder also contains a spare fuse.

There are no user serviceable parts inside this amp. If your amplifier should need serviced please return it to DECWARE. If you are in a non-USA country and have any problems with the amp and do not wish to ship it back for service we can work by phone with an experienced tube repair shop in your area to get the problem resolved.

You can read details about this amplifier on our web site including schematics, designers notes, features, etc.

Remember, with any tube product, it is WISE to have a complete set of spare tubes on hand. Anytime there is a problem with tube gear it is 9 out of 10 times a tube. If you have spare tubes you can easily trouble shoot it yourself. While not common, tubes can go bad for no reason, or get noisy—especially N.O.S. tubes. Be careful when spending tons of money on N.O.S. tubes that originally only cost a few dollars when they were new.