

# Enchantment

## Price

\$10,000 to 15,000 USD depending on configuration

## Function

The enjoyment of extinct tubes.

## Available Modules

24 bit 192kHz Upsampling DAC with support for USB, Fiber Optic and RCA Analog input

RCA analog input

Phono Input

Balanced Input

RCA Preamp output

Balanced Preamp output

Class A Diamond Buffer Headphone output

Balanced Headphone output

I2V volume control, microprocessor controlled

Automated Tube High Voltage adjustment, microprocessor controlled

Tube monitoring, microprocessor controlled

Battery monitoring, microprocessor controlled

Hour meter

## Interface

Three TFT screens with custom color options

Push buttons

## Supported tubes

Tube	Distortion	Harmonic	Number of Harmonics	Speed
955	.256%	-52dB	2	2
6AF4	.623%	-45dB	3	1
6C5	.08%	-67dB	4	4
6J5	.291%	-52dB	2	5
2C22	.147%	-57dB	2	3
01A	.262%	-52dB	2	6
5670	.469%	-47dB	2	3

## Power

Six, eight volt, six amp LIPO power supplies

One linear High Voltage Supply with High Voltage Battery

Ten hours run time



## Chassis

5mm aluminum base plate

5mm 3D printed interlocking panels

12.5" wide by 6.75" deep by 9.25" tall (base configuration)

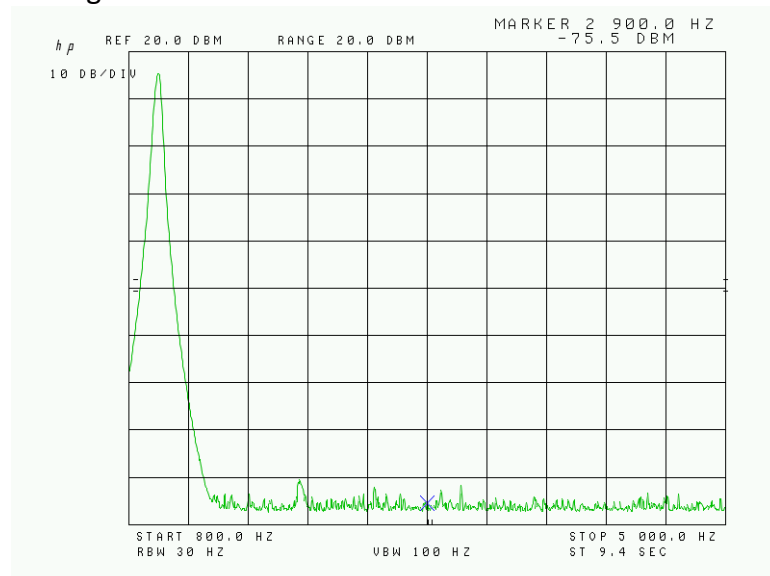
Weight 15 pounds

## Distortion

The solid state part of Enchantment measures .006% distortion. The signal generator supplying the 1kHz sine wave measures .0005%. When tubes are added the harmonic signature is altered. Each spectrum plot is based on a 1 volt rms signal.

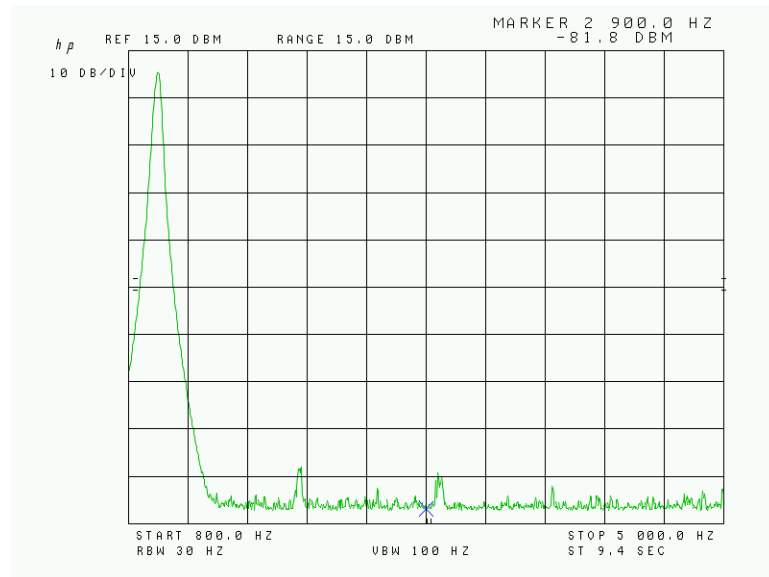
## Signal Source

The signal source is set at 1 volts and measures .0005%



## Enchantment RCA

Increased harmonics the distortion measures .006%



## Enchantment headphone

The headphone module is the Class a diamond buffer. The load is 100 ohms. The distortion measures .006%

