

**Borbely Kit Degree of Difficulty**  
Courtesy of Les Bordelon LBAudio, California.

Rating

## Top-of-the-Line Kits

<b>EB-199/320</b>	<b>ALL-FET MC PHONO PREAMP</b> <ul style="list-style-type: none"><li>• EB-199/320 All-FET MM/MC Phono Preamp</li><li>• EB-208/418 All-FET Regulator</li><li>• EB-108/291 PS w/4-Pole Jensen Capacitors</li><li>• EB-906/255H Super Shunt Regulator</li></ul>	<b>5</b>
<b>EB-107/309</b>	<b>LINE/HEADPHONE AMP</b> <ul style="list-style-type: none"><li>• EB-107/309 All-FET Line Amp</li><li>• EB-208/418 All-FET Regulator</li><li>• EB-108/291 PS w/4- Pole Jensen Capacitors</li></ul>	<b>4</b>
<b>EB-700/343</b>	<b>RIBBON ALL-FET CLASS-A STEREO POWER AMPLIFIER</b> <ul style="list-style-type: none"><li>• EB-700/343 "RIBBON" Driver w/Regulator</li><li>• EB-1199/114 50W Class-A Output</li><li>• EB-503/238 Dual PS for 50W Stereo</li><li>• EB-903/237 Single PS for 50W Monoblock</li></ul>	<b>5</b>
<b>EB-2000/342</b>	<b>MILLENNIUM 75 ALL-FET CLASS-A MONO BLOCKS</b> <ul style="list-style-type: none"><li>• EB-2000/342 "MILLENNIUM" Driver w/Regulator</li><li>• EB-2000/115 75W Class-A Output</li><li>• EB-903/237 Single PS for 75W Monoblock</li></ul>	<b>5</b>
<b>HB-DAC1704 EB-408/432</b>	<b>DAC BOARD AND ALL-FET I/V CONVERTER, FILTER, OUTPUT BUFFER</b> <ul style="list-style-type: none"><li>• HB-DAC1704 DAC Board</li><li>• EB-802/243 Power Supply/Regulator</li><li>• EB-408/432 I/V Converter, Filter, &amp; Buffer</li><li>• EB-906/255H Shunt Regulator</li><li>• EB-108/291 PS w/4- Pole Jensen Capacitors</li></ul>	<b>5</b>

## High Performance Kits

<b>EB-707/432</b>	<b>ALL-FET MM/MC PHONO PREAMP</b> <ul style="list-style-type: none"><li>• EB-707/432 All-FET MM/MC Phono Preamp</li><li>• EB-707/418 All-FET Regulator</li><li>• EB-906-275 Low ESR PS</li></ul>	<b>4</b>
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<b>EB-703/325</b>	<b>ALL-FET LINE/HEADPHONE AMPLIFIER</b>	<b>4</b>
	<ul style="list-style-type: none"> <li>• EB-703/325 All-FET Line Amp</li> <li>• EB-703/259 All-FET PS/Regulator</li> </ul>	
<b>HB-DAC1704 EB-108/435</b>	<b>DAC BOARD AND ALL-JFET I/V CONVERTER, FILTER, OUTPUT BUFFER</b>	<b>5</b>
	<ul style="list-style-type: none"> <li>• HB-DAC1704 DAC Board</li> <li>• EB-802/243 Power Supply/Regulator</li> <li>• EB-108/435 I/V Converter, Filter, &amp; Buffer</li> <li>• EB-208/418 All-FET Regulator</li> <li>• EB-108/291 PS w/4- Pole Jensen Capacitors</li> </ul>	
<b>EB-602/403</b>	<b>ALL-JFET SUPER BUFFER</b>	<b>3</b>
	<ul style="list-style-type: none"> <li>• EB-602/403 Dual Buffer</li> <li>• EB-802/243 Power Supply/Regulator</li> </ul>	
<b>EB-1102/404</b>	<b>ALL-JFET SUPER BUFFER SB1</b>	<b>4</b>
	<ul style="list-style-type: none"> <li>• EB-1102/404 Dual Buffer</li> <li>• EB-802/243 Power Supply/Regulator</li> </ul>	
<b>EB-303/406</b>	<b>ALL-JFET SUPER BUFFER SB2</b>	<b>4</b>
	<ul style="list-style-type: none"> <li>• EB-303/406 Dual Buffer</li> <li>• EB-802/243 Power Supply/Regulator</li> </ul>	
<b>EB-1102/ 214/215/216</b>	<b>ALL-FET CROSSOVER AND BASS EXTENDER</b>	<b>5</b>
	<ul style="list-style-type: none"> <li>• EB-1102/215 All-FET Crossover</li> <li>• EB-1102/216 All-FET Extension</li> <li>• EB-203/217 Plug-in Test Board</li> <li>• EB-802/214 All-FET Bass Extender</li> <li>• EB-802/243 Power Supply/Regulator</li> </ul>	
<b>EB-201/168</b>	<b>MILLENNIUM-200 150W/300W CLASS-A/AB MONO BLOCKS</b>	<b>5</b>
	<ul style="list-style-type: none"> <li>• EB-201/168 "MILLENNIUM-200" Driver with Regulator</li> <li>• EB-2000/115 150W Class-AB Output</li> <li>• EB-903/237 Single PS for 150W Monoblock</li> </ul>	
<b>EB-693/129</b>	<b>HOME THEATER AMPLIFIER 50/100W CLASS-A/AB</b>	<b>4</b>
	<ul style="list-style-type: none"> <li>• EB-693/129 DC-50 Driver</li> <li>• EB-693/114 50W Output</li> <li>• EB-503/238 Dual PS for 20-40W Class-A/100W Class-AB Stereo</li> </ul>	

- EB-602/210 SE CLASS-A HEADPHONE AMPLIFIER** 4
- EB-602/210 SE Class A Headphone Amp
  - EB-802/243 Power Supply/Regulator

- EB-804/421 SE HYBRID TUBE/MOSFET CLASS-A HEADPHONE AMPLIFIER** 4
- EB-804/421 SE Hybrid Tube/MOSFET Amp
  - EB-802/243 Power Supply/Regulator

## Starter Kits

- EB-804/419 ALL-JFET MM/MC Preamp w/Regulator 4
- EB-604/417 ALL-JFET I/V Converter/Filter w/Regulator 3
- EB-604/410 ALL-JFET Line Amp w/Regulator 3

## Pro Audio Kits

- EB-1102/212 ALL-JFET PROFESSIONAL MICROPHONE PREAMP** 5
- EB-1102/212 All-FET Microphone Preamp
  - EB-802/243 Power Supply/Regulator
  - EB-703/258 ALL-FET Phantom PS/Regulator

- EB-103/213 ALL-FET TRANSFORMERLESS MICROPHONE PREAMP** 5
- EB-1102/213 All-FET Microphone Preamp
  - EB-802/243 Power Supply/Regulator
  - EB-703/258 ALL-FET Phantom PS/Regulator

## Power Supplies

- POWER SUPPLIES WITHOUT REGULATORS** 3
- EB-906-275 Low ESR PS
  - EB-108/291 PS w/4- Pole Jensen Capacitors
  - EB903/237/75 Single PS for 75W Monoblock
  - EB903/237/150 Single PS for 150W Monoblock
  - EB-503/238 Dual PS for 20-40W Class-A/100W Class-AB Stereo

**POWER SUPPLIES WITH REGULATOR** 4

- EB-802/243 Power Supply/Regulator
- EB-806/271 Dual PS/Low-Noise +Regulator
- EB-803/244 Triple PS/Low-Noise Regulator
- EB-703/258 +48V All-FET Regulator
- EB-703/259 All-FET PS/Regulator
- EB-117/290 All-FET PS/Regulator w/PCB Transformer

**ALL-FET Regulators** 4

- EB-208/418 All-FET Regulator
- EB-906/255L All-FET Super-Shunt Regulator (Low)
- EB-906/255H All-FET Super-Shunt Regulator (High)

**Select Kits**

**EB-1195/221 HYBRID JFET/TUBE MC/MM PHONO PREAMP** 4

- EB-1195/221 Hybrid JFET/Tube MC/MM Phono Preamp
- EB-695/218A Two-Output HV Regulator/PS
- EB-793/204 Dual Filament Regulator

**EB-1193/201 DIFFERENTIAL TUBE LINEAMP** 4  
**EB-894/211**

- EB-1193/201 Differential Line Amp
- EB-894/211 Balanced Differential Line Amp
- EB-797/203 SE Hybrid Tube-MOSFET Line Amp
- EB-695/218A Two-Output HV Regulator/PS
- EB-793/204 Dual Filament Regulator

**EB-396/225 15W SE TUBE POWER AMPLIFIER** 5

- EB-396/225 SE Driver
- 6C33C-B 15W Output
- EB-596/228 PS for 15W SE Monoblock

**Special Application Kits**

- EB-600/312 Delayed Turn-On and Muting Circuit 3
- EB-292/132 Delayed Turn-On /DC Protection for Power Amps 3

## Degree of Difficulty Criteria

### 5 – Very Difficult Assembly—Highly complex circuit

- Significant kit building experience required
  - Considerable soldering experience on PCBs with
    - High density components
    - Small foil traces and pads
  - High level of electro-mechanical assembly experience involving chassis wiring and connections
- High level of basic electronics knowledge needed
  - Excellent working knowledge of circuit design, troubleshooting, and testing methods
- Equipment needed:
  - Temperature controlled soldering iron
  - Digital Voltmeter
  - Oscilloscope
  - Distortion analyzer recommended

### 4 – Difficult Assembly—Complex circuit

- General kit building experience required
  - Considerable soldering experience on PCBs with
    - Medium density components
    - Small foil traces and pads
  - General level of electro-mechanical assembly experience involving chassis wiring and connections
- Good level of basic electronics knowledge needed
  - Working knowledge of circuit design, troubleshooting, and testing methods
- Equipment needed:
  - Temperature controlled soldering iron
  - Digital Voltmeter
  - Oscilloscope
  - Distortion analyzer recommended

### 3 – Standard—Non-complex circuit

- General kit building experience required
  - Soldering experience on PCBs with
    - Low to medium density PCBs
    - Medium foil traces and pads
  - Good level electro-mechanical assembly experience involving chassis wiring and connections
- Basic electronics knowledge needed
  - Knowledge of circuit design, troubleshooting, and testing methods
- Equipment needed:
  - Temperature controlled soldering iron
  - Digital Voltmeter

- Oscilloscope highly recommended

## 2 – Easy Assembly—Non-complex circuit

- General kit building experience required
  - Soldering experience on PCBs with
    - Low density PCBs
    - Large foil traces
  - Knowledge of electro-mechanical assembly involving chassis wiring and connections
- Some knowledge of basic electronics needed
- Some knowledge of circuit troubleshooting and testing methods
- Equipment needed:
  - Temperature controlled soldering iron
  - Digital Voltmeter
  - Oscilloscope highly recommended

## 1 – Beginner—Simple circuit

- Some kit building experience required
  - Soldering experience on PCBs with
    - Low density PCBs
    - Large foil traces
  - Some knowledge of electro-mechanical assembly involving chassis wiring and connections
- Some knowledge of basic electronics needed
- Some knowledge of circuit troubleshooting and testing methods
- Equipment needed:
  - Temperature controlled soldering iron
  - Digital Voltmeter
  - Oscilloscope highly recommended