

# Bill of included materials

V 1.1

## TUBE PROGRAM EQUALIZER

### THE COMPLETE KIT

So here it is - the one and only BOIM - the „Bill Of Included Materials“.

Frankly - now that I look at the list and the work and time that was necessary to put it together...I mean not only to put it together but to manage to make these parts & components available...I wish I would have been in your position back then when I started out in the DIY world! Seriously! Man, that would have been incredible...not spending countless hours & hours on researching, searching the web and scrounging for parts... ..if I only think about how much money I spent along the way for having all the individual parts shipped from all over the place! Anyway that's a thing of the past now - here it is - all in one box. **I hope you know that you are some lucky dude my friend! ;)**

| ✓                        | Qty. | Resistors |                              |
|--------------------------|------|-----------|------------------------------|
| <input type="checkbox"/> | 2    | 620r      | Input & Output               |
| <input type="checkbox"/> | 1    | 43k       | Interstage                   |
| <input type="checkbox"/> | 1    | 75r       | Filter Circuit               |
| <input type="checkbox"/> | 1    | 10k       | Filter Circuit               |
| <input type="checkbox"/> | 3    | 1M        | Filter Circuit               |
| <input type="checkbox"/> | 2    | 1k        | Amp Section + Filter Circuit |
| <input type="checkbox"/> | 1    | 820r      | Amp Section                  |
| <input type="checkbox"/> | 2    | 360r      | Amp Section                  |
| <input type="checkbox"/> | 2    | 4.7k/1W   | Amp Section                  |
| <input type="checkbox"/> | 1    | 470k      | Amp Section                  |
| <input type="checkbox"/> | 2    | 220k/1W   | Amp Section                  |
| <input type="checkbox"/> | 2    | 62k       | Power Supply                 |
| <input type="checkbox"/> | 1    | 47k/1W    | Power Supply                 |
| <input type="checkbox"/> | 1    | 1k/1W     | Power Supply                 |
| <input type="checkbox"/> | 1    | 2.2k/1W   | Power Supply                 |
| <input type="checkbox"/> | 1    | 270k/1W   | Power Supply                 |
| <input type="checkbox"/> | 1    | 470r/2W   | Power Supply                 |

|                          |   | Capacitors                          |  |
|--------------------------|---|-------------------------------------|--|
| <input type="checkbox"/> | 1 | 270pf                               | Interstage   |
| <input type="checkbox"/> | 2 | 0.0033uF (min. 160V)                | Filter High, Output custom made by Mundorf/Germany             |
| <input type="checkbox"/> | 1 | 0.0056uF (min 160V)                 | Filter High custom made by Mundorf/Germany                     |
| <input type="checkbox"/> | 2 | .0082uF (min 160V)                  | Filter Low A, Filter High custom made by Mundorf/Germany       |
| <input type="checkbox"/> | 1 | 0.015uF (min 160V)                  | Filter High custom made by Mundorf/Germany                     |
| <input type="checkbox"/> | 1 | .012uF (min 160V)                   | Filter Low A custom made by Mundorf/Germany                    |
| <input type="checkbox"/> | 1 | 0.018uF (min 160V)                  | Filter High custom made by Mundorf/Germany                     |
| <input type="checkbox"/> | 1 | .027uF (min 160V)                   | Filter Low A custom made by Mundorf/Germany                    |
| <input type="checkbox"/> | 1 | .056uF (min 160V)                   | Filter Low A   |
| <input type="checkbox"/> | 2 | .068uF (min 160V)                   | Filter Atten   |
| <input type="checkbox"/> | 2 | .22uF (min 160V)                    | Filter Low B, High Atten                                       |
| <input type="checkbox"/> | 1 | .33uF (min 160V)                    | Filter Low B   |
| <input type="checkbox"/> | 1 | .82uF (min 160V)                    | Filter Low B   |
| <input type="checkbox"/> | 1 | 1.5uF (min 160V)                    | Filter Low B   |
| <input type="checkbox"/> | 1 | 20pf / 500V                         | Amp Section  |
| <input type="checkbox"/> | 2 | 0.25uF/400V                         | Amp Section - custom made by Mundorf/Germany                   |
| <input type="checkbox"/> | 1 | 2x50uF/ 50V (or more) Can Capacitor | Amp Section - Mundorf MLYtic premium electrolytic              |
| <input type="checkbox"/> | 1 | .33uF/200V                          | Power Supply   |
| <input type="checkbox"/> | 1 | 4x40uF / 525V Can Capacitor         | Power Supply - CE-Manufacturing modeled after vintage Mallorys |

|                          |   | Switches, Pots & Knobs               |   |
|--------------------------|---|--------------------------------------|---|
| <input type="checkbox"/> | 1 | Potentiometer Low Boost              | 10K Log Custom made by Blore Edwards/UK w. original Pultec Log-Curve  |
| <input type="checkbox"/> | 1 | Potentiometer Low Atten              | 100K Log Custom made by Blore Edwards/UK w. original Pultec Log-Curve |
| <input type="checkbox"/> | 1 | Potentiometer High Boost             | 10K Linear Custom made by Blore Edwards/UK                            |
| <input type="checkbox"/> | 1 | Potentiometer High Atten             | 1K Linear Custom made by Blore Edwards/UK                             |
| <input type="checkbox"/> | 1 | Potentiometer Bandwidth              | 2.5K Linear Custom made by Blore Edwards/UK                           |
| <input type="checkbox"/> | 1 | ON-OFF Switch                        | Rotary Switch On/Off (Custom made by Blore Edwards/UK with 60° turn!) |
| <input type="checkbox"/> | 1 | Bypass Switch                        | Switchcraft Telever 16000 series (vintage/custom reissue)             |
| <input type="checkbox"/> | 1 | Switch 2x7 High Frequency            | Rotary switch 2x 7 pos. Custom made by Blore Edwards/UK               |
| <input type="checkbox"/> | 1 | Switch 2x4 Low Frequency             | Rotary Switch 2x 4 pos. Custom made by Blore Edwards/UK               |
| <input type="checkbox"/> | 1 | Switch 1x3 Atten Sel                 | ceramic rotary switch 1x3pos. Custom made by Blore Edwards/UK         |
| <input type="checkbox"/> | 1 | Knob - Atten Sel                     | Chickenhead   |
| <input type="checkbox"/> | 5 | Knobs - Boost/Atten./Bandwidth       | Dakaware Chicago(original Pultec supplier)                            |
| <input type="checkbox"/> | 2 | Knobs Low Boos/Hi-boost Freq. Select | Dakaware Chicago (original Pultec supplier)                           |

|                          |   | Terminal-Boards & Hardware               |  |
|--------------------------|---|--|--|
| <input type="checkbox"/> | 1 | IEC Socket with Fuse Holder              | Power Supply   |
| <input type="checkbox"/> | 3 | Fuse                                     | Power Supply   |
| <input type="checkbox"/> | 1 | Input XLR                                | Input  |
| <input type="checkbox"/> | 1 | Output XLR                               | Output   |
| <input type="checkbox"/> | 4 | Terminal Strip 1-Lug                     | Power Supply - Interstage - Output   |
| <input type="checkbox"/> | 1 | Terminal Strip 2-Lugs                    | Amp Section  |
| <input type="checkbox"/> | 4 | ground lug                               | Solder eyelets 4470-S  |
| <input type="checkbox"/> | 1 | Standoff for 2-Lugs Terminal Strip       |  |
| <input type="checkbox"/> | 1 | Mounting Plate für Can Cap 1 3/8" Metall | for the 4x40uF can cap   |
| <input type="checkbox"/> | 1 | Mounting Clamp                           | for the 2x50uF can cap   |
| <input type="checkbox"/> | 1 | Pilot Light Assembly + Jewel + Lamp      | as seen in Fender amps (original EQP-1A has smooth lens not facetted)        |
| <input type="checkbox"/> | 1 | Hook-Up Wire Solid Core                  | AWG 22, Selection of 10 colors   |
| <input type="checkbox"/> | 1 | Tube Program Equalizer Nuts & Screws-Set | All Nuts & Screws needed for the build                                       |
| <input type="checkbox"/> | 1 | package of wax pellets                   | for isolating the caps & coil inside of the filter units (original style :)) |

|                          |   | Transformers/Inductor   |  |
|--------------------------|---|-------------------------|--|
| <input type="checkbox"/> | 1 | Inductor/Filter Coil    | custom made following original specs by Moby Electronics |
| <input type="checkbox"/> | 1 | Input Transformer*      | Sowter 3603e high quality Pultec input transformer       |
| <input type="checkbox"/> | 1 | Interstage Transformer* | Hammond 832A broadcast quality interstage transformer    |
| <input type="checkbox"/> | 1 | Output Transformer*     | Sowter 9530e high quality Pultec output transformer      |
| <input type="checkbox"/> | 1 | Power Transformer       | Hammond 370BX  |

|                          |   | Tubes                  |  |
|--------------------------|---|------------------------|--|
| <input type="checkbox"/> | 1 | 12AX7                  | Amp - Genalex Gold Lion (Made in Russia) |
| <input type="checkbox"/> | 1 | 12AU7                  | Amp - Genalex Gold Lion (Made in Russia) |
| <input type="checkbox"/> | 1 | 6X4, EZ90              | Rectifier Tube NOS (New Old Stock)       |
| <input type="checkbox"/> | 2 | 9-Pin Tube Sockets     | 12AX7/12AU7                              |
| <input type="checkbox"/> | 1 | 7-Pin Socket w. shield | 6X4, EZ90                                |



\*only included in the COMPLETE KIT