



It's a REVELATION !

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Techy Type Info

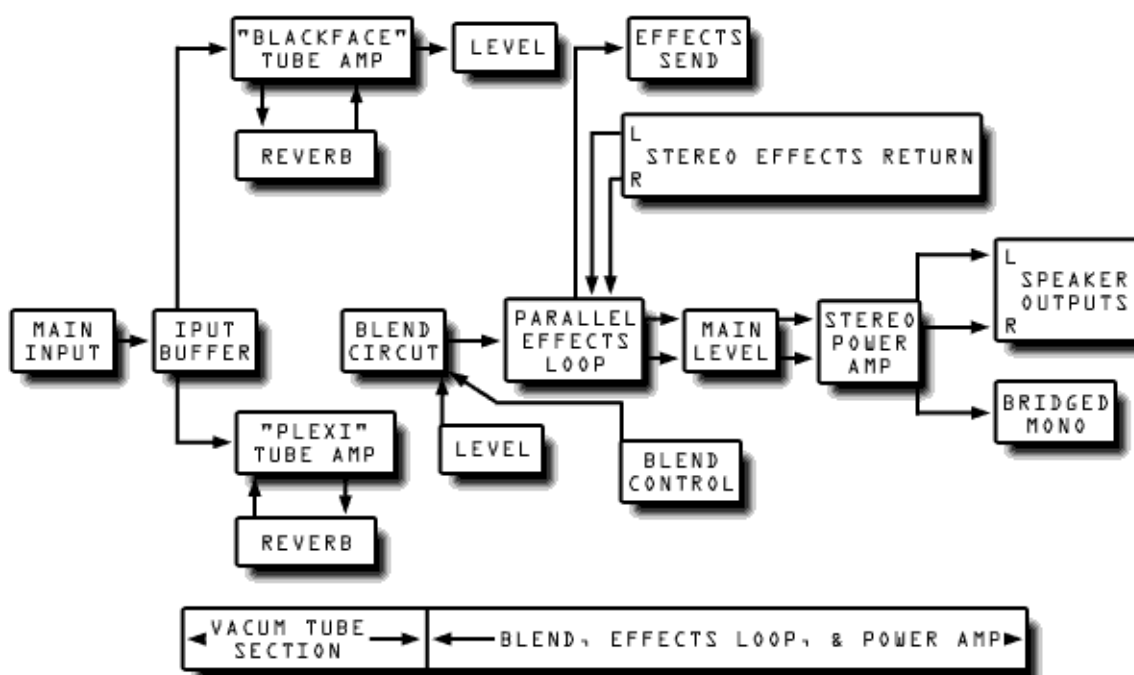


## DESIGN & CONSTRUCTION FEATURES: (For you Gear Heads)

- Cathode follower front end buffer makes the input connector loading dependent on reliable passive components rather than the first stage vacuum tube characteristics (which will vary from unit to unit, manufacturer, age, warm up time...).
- A single Dual Triode tube is used in each of the two push-pull output sections. One tube does the job of two in the original amps. No matching is required. This tube isn't fragile or prone to mechanical failure. We use the 5814, which features low noise and a Shock and Vibration Rating! For you electrical engineers out there, our output tubes are operated entirely within the data sheet specified Safe Area of Operation under ALL conditions.
- Regulated DC filament supply for low noise and hum.
- Independent high voltage power supplies for each vacuum tube amplifier.
- Designed to operate continuously into the rated load at any output level - from nothing to absolute maximum full distortion. This goes for the power supplies, each of the Vacuum Tube amps, and the stereo power amplifier. This amp will not over heat or burn up.
- Power amplifier is "load tolerant". It won't break if you play it unloaded, or into a short circuited load - or anything in between!
- Pop free power up and down. A voltage monitor mutes the power amplifier whenever the internal power supplies are out of spec.
- Toroidal power transformer for minimum weight and excellent regulation. This is similar to the standard design practice with rack mount PA amps.
- Whisper quiet forced air cooling uses large internal heatsinks and a DC fan for high reliability.
- Input power inrush current limited.
- Input power transient overvoltage protected using a Metal Oxide Varistor (MOV).
- Modern passive components - 1% metal film resistors, and epoxy film capacitors. These parts enable excellent unit to unit repeatability and reliability.

- Two layer ground plane printed circuit board construction for low noise and absolute minimum crosstalk.
- Shielded cable is used for all signal path wiring for low noise and absolute minimum crosstalk.
- Chassis mounted pots, switches and connectors wired with shielded cable.
- Chassis mounted ceramic tube sockets.
- Rugged mechanical construction. We use 16 gauge EG steel for the chassis and pedal. It's heavy and tough.
- Standard "MIDI" cable used to connect the pedal.

### Revelator Block Diagram



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