SynAmp

Effect Settings:
- Return
- Int/Ext
- Level
- Overheat
- D.C.
- Clipping
- Low-Freq
- High-Freq
- Compression

Status Fault:
- Overheat
- D.C.
- Clipping
- Low-Freq
- High-Freq

Composite Level:
- -40 dB
- -30 dB
- -20 dB
- -10 dB
- 0 dB
- +10 dB
- +20 dB

Master Volume:
- 0
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10

Graphic Equalizer:
- EQ
- Drive
- In
- Out
- Frequency Bands:
  - 31
  - 63
  - 125
  - 250
  - 500
  - 1K
  - 2K
  - 4K
  - 8K
  - 16K
  - 31 dB
  - 63 dB
  - 125 dB
  - 250 dB
  - 500 dB
  - 1K dB
  - 2K dB
  - 4K dB
  - 8K dB
  - 16K dB

Equalizer:
- In
- Out
- Frequency Bands:
  - 31
  - 63
  - 125
  - 250
  - 500
  - 1K
  - 2K
  - 4K
  - 8K
  - 16K

Power:
- On
- Off

Compressor:
- Amp Test
- House Kill
- Phones

Moog Synthesizer Amplifier
SynAmp

Ask a recording engineer — violins require one mike, while guitars require another. Ask a sound reinforcement technician — one speaker suits the bass while another suits the horns. Even amps have to vary as instruments vary. That’s why even the thought of creating the SynAmp was such a vast concept — because the synthesizer is such a vast instrument with so many sounds. The SynAmp was created to sound superb with every sound the synthesizer makes. And it was developed with the expert help of the people who advanced the synthesizer ever since its beginnings — Moog. Synthesizers have proven to be truly outstanding instruments. And now, thanks to the SynAmp, they'll sound more outstanding than ever.
**Head**

- 400 watts continuous average power output. User selectable as 2 x 200 watts Biamp or 2-200 watt full range power amplifiers.
- Four input channels (capable of taking up to eight inputs)
- Three band parametric section for each input channel
- 10 Band Graphic Equalizer
- Built-in reverb section
- Internal headphone monitor amplifier and house sound kill button for changing synthesizer patches or checking without turning system down or adjusting input levels. Warning light to indicate house sound off.
- 60dB range peak reading meter
  Internal four pole active crossover and equalizer for Biamp use.
- Two compressors—one for each amplifier with indicator lamps.
- Clipping indicator for each power amp.

**Cabinet**

- Two 15" low frequency premium grade drivers in computer assisted vented enclosure design.
- Compression driver and horn mid-range.
- Compression driver wide dispersion tweeters.
- Mid and High frequency driver protection circuitry with automatic reset.
- Designed for maximum roadability.

Bob Moog Foundation
Electrical performance of overall system
- 35 Hz to 15 KHz ± 3dB.
- 80dB signal to noise ratio
- THD 0.25% max., typical 0.05%, from 30 Hz to 15 KHz
  (from 0.25 to 200 watts each channel)
- Input sensitivity for rated output (200 watts into 4 ohms):
  100mV.
- IM Distortion: 0.25% max., 0.05% typical.

Input sections (4)
- Gain 0 — 20dB.
- Bass control boost/cut: ± 15dB.
- Bass control frequency range user adjustable from
  100 Hz — 1 KHz.
- Mid range control boost/cut: ± 15dB.
- Mid range control frequency range user adjustable from
  300 Hz to 3 KHz
- Treble control boost/cut: ± 12dB.
- Treble control frequency range adjustable from 1 KHz to
  10 KHz.
- Input impedance: 100 ko hms.
- Maximum input voltage: 30 volts RMS

Mixer section
- Auxiliary input sensitivity for full output: 1 volt into 22 K

Reverb section
- Signal to noise ratio: 70dB.
- Individual reverb drive controls per channel provided.
- Front panel Reverb/External Effect Switch provided.

External effects section
- External Effects Output: Nominal 1 volt from 600 ohm
  source.
- External Effects Input Sensitivity: 1 volt.
- Impedance: 20K nominal.

Graphic equalizer
- Center frequencies are at octave intervals, 31.25 Hz —
  16 KHz.
- Boost/cut: ± 12dB.
- Frequency response with sliders at center position:
  30 Hz — 15 KHz ± 1dB.
- Drive Control gain range: —10dB to + 10dB from 1 volt.
- Normalized to system — can be patched to individual input
  channel.

Headphone amplifier
- THD: 0.25%, 30 Hz—15 KHz, 0.5 watts each side of 8 ohm
  headphone.
- Output impedance: 22 ohms.
- Signal to noise ratio: 70dB in system.

Composite level meter
- Indicated range: —40dB to + 0dB (0dB = full rated power).
- Accuracy: ± 2dB.

Active crossover section
- Crossover frequency: 1 KHz.
- Crossover slope: —24dB per octave.
- Crossover bypass switch: Bypasses active crossover for
  use with full range speaker systems.

Compressors
- Attack Time: Less than 2 msec.
- Distortion: 3% maximum at 30 Hz at 10dB
  compression
- THD: 0.5% maximum at 1 KHz at 10dB compression.

Power amp
- THD: 0.25% max., typical 0.05%, 30 Hz—15KHz (.25—200
  watts/4ohms each channel)
- IM Distortion: 0.25% maximum, typical 0.05%.
- Short Circuit Duration: Indefinite
- Stability: Any load 4 ohms or greater per channel.
- Slew rate: 15v. per microsecond

Protection & indicator section
- 5 second delay — turn on

Crossover/Speaker Protect
- Tweeter crossover frequency: 8 KHz.
- Tweeter protector operating time: 10 msec. maximum.
- Mid range protector operating time: 20 msec maximum.

Shipping weight
- Low freq. speaker cabinet: 95.26 kg.
- Amplifier: 45.36 kg.
- Mid range cabinet: 27.22 kg.