

S E R I E S
T W O

A2150



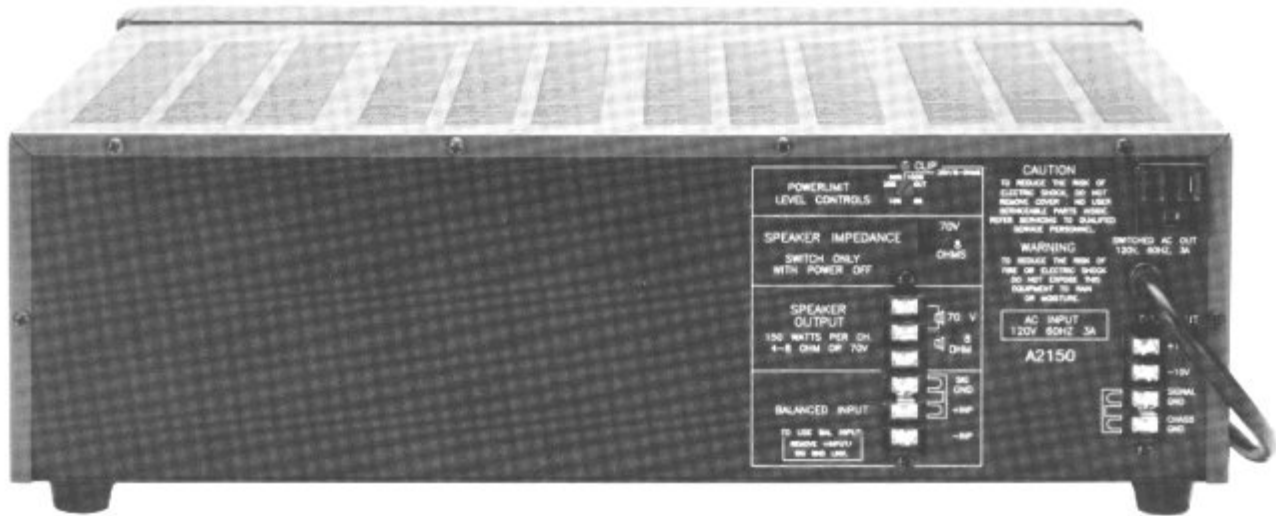
The QSC A2150 is a single channel 150 watt amplifier designed for today's high performance installed sound systems. A unique transformerless output circuit delivers flatter frequency response and lower distortion than conventional commercial amplifiers. The A2150 features active balanced inputs and outputs to drive 8 ohms, 25 Volt, and 70 Volt lines. Speaker equalization controls are provided behind the front panel. Built in adjustable PowerLimit™ circuits prevent amplifier clipping, limit output level, and protect speakers. Barrier strip inputs and outputs assure reliable connections.

QSC Audio has been a leader in the production of high quality amplifiers for over fifteen years. The Series Two products bring innovative solutions to the installed sound market. All QSC products are Made in America and backed by a three year warranty.

FEATURES:

- Front Panel Meter for Output Level
- Built in Output Limiting
- Active Equalization Controls Behind Front Panel
- Transformerless Audio Circuit
- Turn On/Turn Off Muting
- Modular Construction
- Three Year Warranty
- DC Power Supply Tap
- Switched AC Convenience Outlet

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A2150 SPECIFICATIONS

OUTPUT POWER:

Continuous Average Output Power.
 70 Volt 20-20KHz 0.1% THD: 150 watts
 8 ohms/25 Volts 20-20 KHz 0.1% THD: 125 watts

OUTPUT REGULATION:

Less than 0.04 dB, no load to full load (equivalent damping factor, 200)

DISTORTION: (8 ohms or 70 Volt) .01% @ 1KHz

FREQUENCY RESPONSE:

(8 ohms/25 Volt) 20-20 KHz, -1.5 dB.
 (70 Volt) -3 dB rolloff @ 60 Hz.

NOISE: -100 dB referred to full output A weighted.

INPUT IMPEDANCE: 10K ohm unbalanced, 20K ohm balanced.

CONTROLS:

Power On/Off and Gain.
 EQ controls (behind front panel).
 Treble: ± 10 db at 15 KHz.
 Bass: ± 10 db at 50 Hz.

INDICATORS:

Front: illuminated output meter.
 Rear: LED clip indicator.

CONNECTORS:

Inputs: Barrier strip.
 Output: Barrier strip.
 Switched AC outlet.
 Auxiliary ± 15 V power supply (barrier strip).

COOLING: Passive.

PowerLimit™ CIRCUIT:

Adjustable from 8% of rated output to fully out of circuit.

AMPLIFIER PROTECTION:

Turn on/off muting.
 Patented short circuit, open circuit, ultrasonic and RF protection (self resetting).
 Stable into reactive and mismatched loads.
 Inputs protected from overload.
 DC fault speaker protection (DC shutdown).
 Power transformer and heatsink thermal protection.
 Internal amplifier fault fuses.

POWER CONSUMPTION:

115 or 230 VAC. 350 watts.
 Switched accessory outlet, 300 watts.
 15 Volt power supply, 500 mA.

OPTIONAL ACCESSORIES: Rack Mounting Brackets

DIMENSIONS:

5.25" tall (3 rack spaces)
 17" wide (19" with optional rack ears)
 12" deep.
 Note: allow .75" for feet.

WEIGHT: 26 lbs net, 36 lbs shipping weight

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

ARCHITECT'S AND ENGINEER'S SPECIFICATIONS

The power amplifier shall contain all silicon solid state circuitry using complementary output semiconductors. It shall be capable of operating from 115/230V, 50-60 Hz AC mains.

The amplifier shall contain one channel, with protective circuitry against open circuit, short circuit, or reactive loads. The amplifier shall have load protection against internal or external DC faults. A muting circuit shall provide two seconds of muting after turn on and shall mute within 1/4 second after turn off or loss of power, to protect the load against turn on or turn off thumps. Self-resetting thermal shutdown shall protect the circuitry against temperatures in excess of 95 degrees centigrade.

The amplifier shall be capable of meeting the following performance criteria: Output power into 70 Volts, 20-20 KHz, 0.1% THD: 150 watts. Output power into 8 ohms/25 Volts, 20-20 KHz, 0.1% THD: 125 watts.

Frequency response shall be 20-20 KHz in the 8 Ohm/25 Volt mode with no more than 1.5 dB deviation. The amplifier shall have a -3 dB rolloff at 60 Hz in the 70 Volt mode. SMPTE IM distortion shall be less than .01% at 1 KHz for 8 ohm or 70 volt operation. IHF damping factor shall be at least 200 (equivalent output regulation .04 dB). Signal to noise, relative to rated output shall be at least 100 dB (A weighted). Input sensitivity shall be 1 VRMS. Input impedance shall be 10K ohms unbalanced and 20K ohms balanced. The amplifier shall have convection cooling with internal heatsinks. The signal path shall be transformerless throughout including 70V output. The amplifier shall have the following controls, indicators, and connectors: Front panel: Gain control, output meter, and AC switch. Bass and Treble controls located behind front panel. (Bass: ± 10 dB at 50 Hz. Treble: ± 10 dB at 15 KHz). Rear Panel: Clipping indicator (LED). PowerLimit™ control pot adjustable from 8% of rated output to full out of circuit. Switchable outputs: 8 Ohm or 70 Volt. Balanced inputs of the barrier strip screw type. Speaker output connectors of the barrier strip screw type. Switched AC accessory outlet. Barrier strip connections to ± 15 volt, 500 mA power supply. The chassis shall occupy three rack spaces (5.25"). Chassis depth shall be 12". Chassis width shall be 17". Weight shall be 26 lbs. The power amplifier shall be the QSC Audio A2150.

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