

# R4 - 150 Pro

## Quad-mono 150W/channel Rack Mount Amplifier

### Overview

Quad-mono 5U/19" power amplifier engineered for a wide range of demanding pro audio installation applications.

4 x Independent high performance 150W grounded-source MOSFET AB Power Amplifier channels.

Very low noise & crosstalk plus exceptionally high common mode rejection Balanced XLR inputs & speaker level audio outputs via Neutrik NL4 connectors.

Front panel mounted bi-colour LEDs display power on/off and limiter 'active'.

Rear panel mounted remote trigger on/off inputs.

Thermal and dc offset protection.

Convection cooled.

### Electronic specifications

Balanced Input: Rear Panel Mounted Female XLR, pin 2 hot.

Input Impedance: 20kΩ (differential).

CMRR: > 80dB (20Hz to 20kHz).

Input Sensitivity: 8.9dBu / 2.15Vrms (ref. 150W).

Amplifier type: Grounded Source MOSFET Class AB, convection cooled.

Output Power: 150W (continuous, at a given distortion level? 8Ω).

THD+N: 0.0007% / -103dB (1kHz, 20kHz bandwidth, 1dB below full power).

Residual noise: 39uV (20Hz to 20kHz).

S+N/N : 119dB (ref. 150W unweighted).

Frequency Response: <5Hz to >400kHz (-3dB).

Crosstalk: >100dB (20Hz to 20kHz).

Damping factor: >500.

Limiter: ATC Active FET Momentary Gain Reduction, limiter 'active' indicated on front panel.

Output Connection: NL4 (pins 1+, 1-).

Electronic Amp Protection: Amplifier D.C Offset and over-temperature indicated on rear panel.

Power Consumption: Standby 4W / 4.6VA, Idle 82W / 117VA, 1/8th power 361W / 478VA, Full power 956W / 1161VA.

Mains Input: 220-230V, 115V – Factory set. Please observe panel markings and labels.

Heat Output: Standby 13.6 BTU/hr; Idle 278 BTU/hr; 1/8th power 975 BTU/hr; Full power 1215 BTU/hr.

Additional: Standby mode via 1/8" / 3.5mm Jack socket & 3.5mm right angle header.

### Physical specifications

See following page.

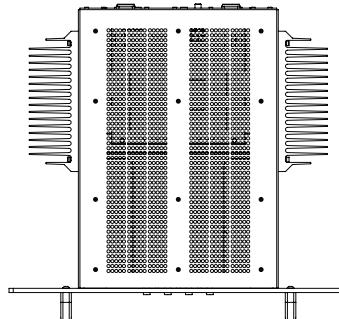
**R4 - 150 Pro****Quad-mono 150W/channel Rack Mount Amplifier**

ATC reserve the right to change specifications without prior notice

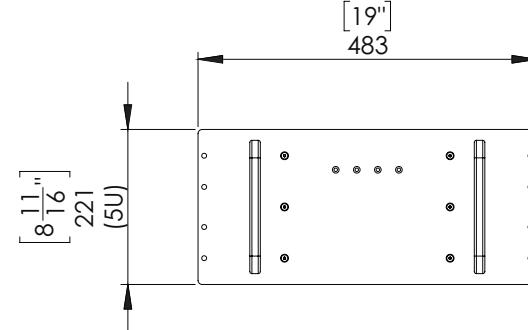
Acoustic Transducer Co. is a trading name and ATC is the registered Trade Mark of Loudspeaker Technology Ltd.

Net Weight: 26kg / 57.3lbs.

Dimensions...



THE AMPLIFIER IS CONVECTION COOLED.  
INSTALL IN A COOL, WELL VENTILATED SPACE.  
LEAVE MIN. 1U CLEAR BETWEEN AMPLIFIERS AND ADJACENT EQUIPMENT

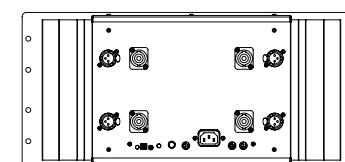
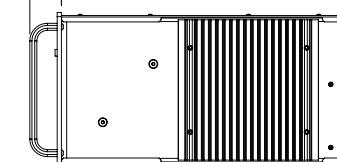
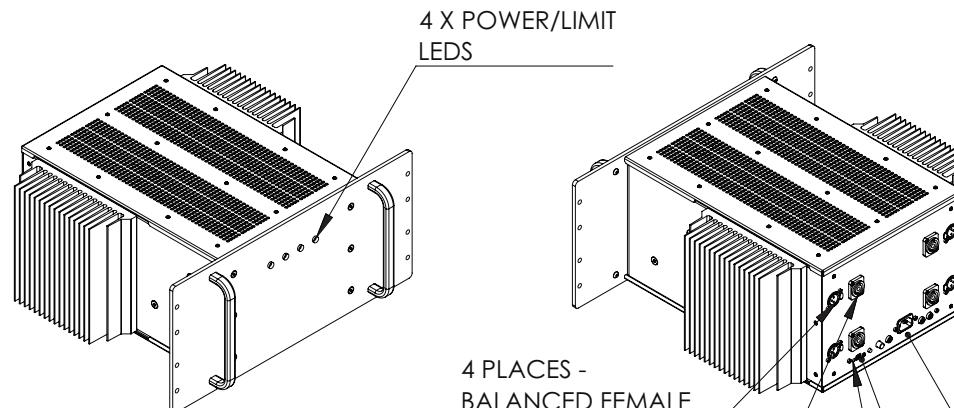


[19"]  
483

[1 25/32"]  
45

[15 15/16"]  
405

ALLOW 185MM/ 7 1/4"  
CLEARANCE BEHIND FOR  
CONNECTOR & CABLE BEND RAD.

**R4-150**4 X POWER/LIMIT  
LEDS4 PLACES -  
BALANCED FEMALE  
XLR AUDIO INPUT4 PLACES - NL4  
SPEAKER LEVEL  
OUTPUTMAINS POWER IEC  
INPUT SWITCH  
AND FUSESTRIGGER INPUT  
FAULT INDICATION