

In Barn for Review: Audio Hungary Qualiton X200 Integrated Amplifier

November 29, 2021 Michael Lavorgna In Barn for Review



The X200 Integrated Amplifier joined the Qualiton Classic Series of electronics late last year. It has just joined me in the Barn to play with the other Barn residents and guests.

Offering 100 Watts of output power per channel generated by a quad of KT 120 beam tetrodes (or optional KT150), the X200 includes 4x RCA line level inputs, 1x XLR input for use with an external preamplifier, 1x Unbalanced input for use with an external preamplifier, EQ out, Sub out, and I saved the best for last — a MM (Moving Magnet) phono input. A single pair of speaker binding posts and IEC inlet complete the X200's business end.



The X200's shiny front faceplate houses access to the Bias trim pots, Bias selector to move between output tubes, input selector, Bass and Treble controls (i.e. boost controls), 3/4" headphone jack, and volume control. The on/off switch is the unit's back left side.



Joining the KT120s in the input and driver side are pairs of 6922s and 12AX7s.



A tube cage is provided to protect the tubes from curious humans along with a nice chunky remote volume control.



I look forward to the warm glow, sans cage. Stay tuned.

Audio Hungary Qualiton X200 Integrated Amplifier

Price: \$6499

Specifications

Preamplifier

Input impedance - Phono	47 kOhm 120 pF
Input impedance - Line	25 kOhm 10 pF
Max. input signal - Phono	40 mV (f = 1 kHz)
Max. input signal - Line	8 V
Gain - Phono	+46 dB (f = 1 kHz)
Gain - Line	0 dB
Max. deviation from RIAA curve - Phono	+/- 0.5 dB
Frequency response - Line	4 Hz to 1 MHz (-3 dB)
Total Harmonic Distortion - Phono	< 0.03% (f = 10 kHz)
Total Harmonic Distortion - Line	< 0.001% (f = 20 Hz to 20 kHz)
Total Harmonic Distortion - EQ	< 0.002% (f = 20 Hz to 20 kHz)
Signal-to-noise ratio - Phono	> 60 dB (1 V, without A-filter)
Signal-to-noise ratio - Line	> 90 dB (1 V, without A-filter)
Signal-to-noise ratio - EQ	> 90 dB (1 V, without A-filter)
Bass boost in setting I - EQ	+ 5.6 dB
Bass boost in setting II - EQ	+ 7.6 dB
Treble boost in setting I - EQ	+ 6 dB
Treble boost in setting II - EQ	+ 8 dB

Amplifier

Name	Value
Rated output power	2 x 100 W
Input impedance, Direct balanced IN	20 kOhm
Input impedance, Direct unbalanced IN	10 kOhm
Input sensitivity, Direct balanced IN	460 mV, to rated output
Input sensitivity, Preamp IN	460 mV, to rated output
Input sensitivity, Phono IN	2.25 mV, to rated output
Gain	+35.5 dB (RL = 8 Ohm)
Frequency response	27 Hz to 70 kHz (-3 dB, rated output)
Total Harmonic Distortion	< 0.5% (f = 1 kHz, rated output)
Signal-to-noise ratio	> 100 dB (RL = 8 Ohm, rated output)
Load impedance	4 to 8 Ohm

Headphone

Name	Value
Rated output power	2 x 0.3 W (RL = 32 Ohm)
Gain	-6 dB (RL = 32 Ohm)
Frequency response	4 Hz to 1 MHz (-3 dB)
Total Harmonic Distortion	< 0.008% (RL = 32 Ohm, 0.125 W)
Signal-to-noise ratio	> 95 dB (RL = 32 Ohm, rated output)

General

Name	Value
Number of input ports / channel	1 unbalanced Phono IN
	4 unbalanced Line IN
	1 unbalanced Direct IN
	1 balanced Direct IN
Number of output ports / channel	1 unbalanced Line OUT
	1 unbalanced Sub OUT
	1 unbalanced EQ OUT
	1 unbalanced Phones OUT
	1 balanced Power OUT
Tubes required	4 x KT120 (KT150 or KT170 optionally)
	2 x 6922
	2 x 12AX7
Weight	23 kg
Dimensions	43 x 47.5 x 20 cm
Power requirement	Idle: 200 W, Maximum: 720 W