



# XP Preamps

## Introduction

The XP-10 and XP-20 are ultra high quality line-stage audio preamplifier featuring direct access remote control functions and in the case of the XP-20 an external power supply isolated from the analog circuits of the preamplifier in a cosmetically matched second chassis.

Like all Pass Laboratories designs, these products minimize the number of components and stages in the signal path, while delivering exemplary

objective and subjective performance specifications in a highly reliable package. This could easily be the last preamplifier you need to purchase.

The Pass Laboratories XP-20 along with the XP-10 pre-amplifiers are the natural and more refined sounding descendants to the highly acclaimed and successful X series Preamplifiers represented by our models X0.2, X1 and X2.5.

World wide, the X series pre-amplifiers have received many highly respected accolades since their introduction in 1997.... justifiably so. More importantly they have provided a solid foundation from which the current product evolved.

Past accolades aside, the new XP pre-amp offerings from Pass Laboratories sound and measure significantly better than their immediate predecessors in the original X series. Are these the finest pre-amplifiers Pass Laboratories has built to date, absolutely and without question!

The new XP series pre-amplifiers are more true to state of the art recordings

than our previous product. Highly dynamic passages typically have more weight; bass lines are more clearly, cleanly, and accurately delineated. Instruments and voice are presented in a more refined spatial envelope, and with better spectral balance. Fine nuances and details become apparent -- even in loud and highly complex musical passages.

The volume steps on the new pre-amplifiers are more numerous and generally of smaller increments, giving the listener a wider choice of listening levels.





So that these very low-volume listening levels have real world practicality, the noise floor and very fine detail retrieval of these new pre-amplifiers is dramatically superior to our previous product.

Thoughtful listening and careful adjusting have produced products where enhanced detail comes through without any loss of musicality. You may play these preamplifiers as loudly as you dare; but contrary to popular audio lore, you will not have to play your music at live performance levels to enjoy the experience.

As good as the XP-10 is, the XP-20 performance metrics are enhanced over those available in the XP-10 by

virtue of a separate and additionally regulated power supply. For the listener these circuit enhancements will convey musical bass with significantly more impact, articulation and timber accuracy. With well-recorded material the XP-20 will present a more refined sound stage than the XP-10 with greater ability to accurately delineate instruments in their proper spatial perspective of depth, width and height.

Simply put the XP products deliver the experience of a past musical event in a more believable sonic panorama than anything we have previously brought to market. Thank you for giving us the opportunity to substantiate this claim.





Specifications	XP-10	XP-20
Gain	1 / 10 dB	2 / 12 dB
No. Volume control steps	64	64
Freq. Response	-3 dB @ 2Hz, -3 dB @ 60kHz	-3 dB @ 2Hz, -3 dB @ 60kHz
Distortion	approx. 0.001%	approx. 0.001%
Maximum Output Voltage	7V single-ended, 15V Balanced	7V single-ended, 15V Balanced
Output Impedance	200 ohms single-ended, 1K / leg Balanced	200 ohms single-ended, 1K / leg Balanced
Input Impedance	48K single-ended, 48K per leg balanced	48K single-ended, 48K per leg balanced
Number of gain paths	4	4
Input voltage before overload	11 volts	11 volts
CMRR	approx. -60 dB @ 1 kHz	approx. -60 dB @ 1 kHz
Output Noise Floor	less than 0.5 uV	less than 0.5 uV
Crosstalk	-85 dB	-95 dB
Inputs	2 balanced, 3 single-ended	2 balanced, 3 single-ended
Tape loop	no	yes
External Amp turn-on	no	yes
Remote control	yes	yes
Power Supply	Internal	External
Power Consumption	15 Watts	25 Watts
No. of Chassis	1	2
Chassis Dimensions	1 @ 17" W x 12" D x 4" H	2 @ 17" W x 12" D x 4" H
Shipping Weight	28	55

**PASS**

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