XQP 570 Mic Preamp
User Guide

Introduction

The XQP 570 Mic Preamp is a 500-series modular device conforming to the standards set by API® and the VPR Alliance. It is designed to work in any API 500-series rack or console or similar device made by other manufacturers. The 570 has received VPR Alliance approval.

Features

As with all XQP products, the feature set of the 570 is purposefully minimal. A single gain pot controls microphone gain from 28 to 65dB. A 20dB pad is included for use with very loud signals, and a phantom power switch connects phantom power from the rack to the microphone. A nice LED indicates when phantom power is on. And because there was so much room left over on the front panel, we added an LED peak meter registering between -12 and +15dB. This is primarily for entertainment purposes, but it is also useful for setting levels. As always, a convenient handle is attached to the front of the 570 to facilitate easy installation and removal from a 500-series rack.

The signal path of the 570 is super simple. A lovely Lundahl LL1576 input transformer preceeds a single stage amplifier, followed by a solid state balanced line driver. The traditional use of Analog Devices chips, in place since the pre-history of XQP (1996), continues.

Use

Plug the 570 into an API or compatible 500-series rack. Plug a microphone into the corresponding input jack on the back of the rack. Plug the corresponding output jack into your console or DAW interface or whatever suits your fancy. If the microhpone is a condenser type requiring phantom power, switch the phantom power on. Turn up the gain knob and go. You probably already know how to do all this. If your source is a guitar amp set to 11 or thereabouts, you might need to switch on the pad. Use your judgement - it's all subjective.

Of course, various mic preamps provide the user with differing flavors. You will decide in which applications you find the 570 seems to hit the mark best. The frequency response is down 3dB at 5.5Hz and 59kHz and flat between those points with very gentle roll-off in each direction. The top end is smooth, and the overall characteristic is one of clarity with a forward midrange. But again, that is all subjective. We love to hear from users of our equipment and invite you to contact us through our website, www.xqpaudio.com, and tell us what you think about the 570 or any of our other 500-series products.
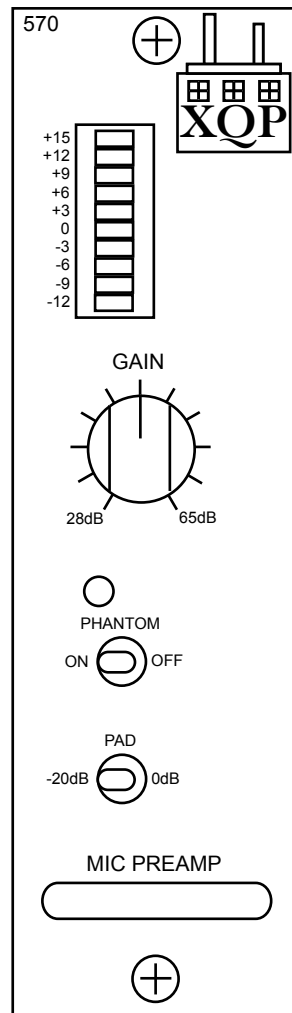
Warranty

The ridiculous XQP ten-year warranty applies to the 570, as it does to all our products. It does not apply to our headphone amplifier or that crazy ticket dispenser that A.J. built, but those are rather one-off products and not for public consumption. We'd love to receive your warranty registration card, or you can send us an email with the pertinent information. However, we are not sticklers for this. We like for our products to work well, and we really do try our best to take care of things if there is ever a problem.

Specs

Gain:	28 to 65dB
Frequency response:	-3dB at 5.5Hz & 59kHz
Input impedance:	600Ω (1.2kΩ w/ pad)
Output impedance:	50Ω
Maximum output level:	22dBu
Distortion:	0.012% @ 1kHz
Noise:	-56dBu @ 65dB gain
Power consumption:	90mA at +/- 16VDC

Specifications subject to change without our knowledge.

GAIN
28dB   65dB

PHANTOM
ON   OFF

PAD
-20dB   0dB

MIC PREAMP

500-Series Edge Connector

1	Chassis ground
2	Output +
3	
4	Output -
5	Common
6	
7	
8	Input -
9	
10	Input +
11	
12	+16VDC
13	Power common
14	-16VDC
15	+48VDC

www.xqpaudio.com
Nice guys. Yes we are.

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