



Musical  
Products Group



distortion +

Operation  
Manual

## **MXR TECHNOLOGY**

All products developed by MXR are a result of extensive experience in creative audio engineering. MXR products are designed by individuals who are actively involved in every facet of music, from performance through recording to playback. This sustained awareness of current trends and needs, combined with innovative design and construction techniques, allows MXR to produce carefully thought out products that are unique, versatile, and reliable. New ideas are constantly being tested, and existing products are subject to regular re-evaluation so you can be sure they reflect the latest technology.

There are MXR products to suit the needs of everyone involved with music. A wide variety of effects units, from a

basic stage unit to our highly sophisticated studio signal processors, are available to enhance any musical performance. Also included in the MXR line are products designed to improve the quality of sound in home stereo component systems. MXR is constantly striving to serve all areas of the world of music. The same care and attention is given to all MXR products, whether they are used in the home, in recording studios, or during live musical performances. All MXR products are designed and manufactured in the U.S.A. and carry a full warranty.

## **INTRODUCTION**

The MXR Distortion + is an electronic sound modifier designed to add controlled distortion effects to your guitar or piano. Two controls allow for a wide range of distortion without ear-shattering volume.

## APPLICATION

The controls on the MXR Distortion + are designed for maximum control over the precise distortion effect desired.

The DISTORTION control allows a wide range, from virtually no distortion to a smooth, sustaining wail. At low settings the control accentuates even numbered harmonics. As it is increased, the odd-numbered harmonics are emphasized, creating a controllable "fuzz" sound with long sustain.

The OUTPUT control regulates loudness. This enables you to change the level of the distorted signal to match or contrast with the undistorted signal. OUTPUT should be utilized after the desired amount of distortion is set.



## APPLICATION

When the Distortion + is used with another component, such as the MXR Phase 90, the latter should be plugged in between the Distortion+ and the amplifier, not between the instrument and the Distortion +.

Although the Distortion + has been designed for low power consumption, the battery will need replacement on occasion depending upon frequency of use. To replace the battery, remove the four screws securing the bottom cover. Replace with a similar 9V transistor radio battery.

Because the unit's input jack is also the power switch, the cord to the input should be unplugged when not in use to insure maximum battery life.

## SPECIFICATIONS

Maximum Input Level	+ 5 dBV
Maximum Output Level	-13 dBV
Input Impedance	1 M ohm
Output Impedance	10 k ohms
Equivalent Input Noise	-105 dBV
Maximum Gain	46 dB
Gain Range	40 dB
Power Requirements	9 volt battery, 0.7 ma .

All products in the MXR Musical Products Group are warranted to function properly for a period of one year from the date of purchase. If any unit fails to function properly within the warranty period, free repair, and the option of replacement or refund in the event MXR is unable to repair the unit, are MXR's only obligations. This warranty does not cover any consequential damages or damage to the unit due to misuse, ac-

## FULL WARRANTY

cident, or neglect. MXR retains the right to make such determination on the basis of factory inspection. Products returned to MXR must be shipped prepaid. This warranty remains valid only if repairs are performed by MXR and provided that the serial number on the unit has not been defaced or removed. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

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