
TABLE OF CONTENTS

Table of Contents	1
Important Safety Instructions.....	3
Safety symbols used in this product.....	3
Please follow these precautions when using this product:.....	3
Introduction.....	5
The Alesis Studio 12R Microphone Preamplifier/Mixer	5
Using this manual.....	5
Grounding Instructions.....	6
Installation	7
Unpacking.....	7
AC power.....	7
Grounding.....	7
Use clean power	8
Power switch.....	8
Mounting.....	8
Connections	9
Inputs.....	9
Cable common sense.....	9
Microphone Inputs.....	10
Phantom power.....	11
Line-level devices (synthesizers, CD players, video)	12
TAPE IN jacks.....	14
Phonograph turntables.....	15
Do not connect any of the following to any input of the Studio 12R!.....	15
How to connect effect devices and signal processors	16
Effects via Aux Send and Aux Return	16
In-line processing using the INSERT jacks (compressors & equalizers).....	17
Outputs.....	20
To a stereo PA system or instrument amplifier.....	20
To a mono system.....	20
To a stage monitor (foldback) system	20
To another mixer.....	21
To a stereo tape recorder.....	21
To an ADAT multitrack recorder.....	22
Phones.....	25
Monitor Out.....	25

Operating Instructions	27
Before turning the mixer on, "zero out" the controls.....	27
Setting input trim levels.....	28
PEAK LED method	28
Metering/Unity Gain method	29
Typical Fader and Control Levels.....	30
Proper gain staging of other equipment	31
AUX System: Effects Send/Receive	32
How to Set Aux Send and Return Levels.....	32
Using the meter.....	34
Avoiding noise.....	35
System noise (ground loops, hum, induced noise).....	35
Applications.....	39
Multitrack recording	39
Tracking/Overdubbing.....	39
Mixdown.....	40
Using the HIGH and LOW EQ controls	41
Monitoring AUX 1 in the PHONES jack	42
Troubleshooting.....	43
Troubleshooting Index	43
Maintenance/Service.....	45
Exterior cleaning.....	45
Obtaining Repair Service	45
Specifications	47
Frequency Response.....	47
Connectors.....	47
Levels.....	48
Impedance	48
Noise performance (typical)	49
Distortion (THD+N).....	49
Power.....	49
Mounting.....	49
Dimensional Drawing	50
Block diagram	51
Level diagram.....	52
Index	53
Warranty	54