

BROOM O' MATIC™ ***4000***

Automatic Sound Remover

REFERENCE MANUAL

INTRODUCTION

Thank you for purchasing the Broom o' Matic 4000, the latest in sound unit control technology. We here at **WeddCorp.** have incorporated many of the latest features in our product using state of the art design, RISC processing, and semiconductor technology. Although some of it's features may be new to you, just follow the simple directions enclosed herein and enjoy many happy hours of care free dubbing.

The Broom o' Matic is a powerful multi-user, multitasking, user friendly computer tool designed for today's dubbing room. Gone are the days of wading through channel upon channel of needless and often time consuming sound effects and walla only to run out of time to do the really important job that modern re-recording mixers get paid to do: Purchase RV's, expensive foreign cars, time shares in Cabo, etc.....

How to use this manual

The Broom o' Matic 4000's features are broken down into three basic modes containing five different settings:

- 1) **INPUT MODE:** Analog/Digital
- 2) **USE MODE:** *Auto-Broom* TM/Manual
- 3) **GROUP MODE:** FX/WALLA/STEVE FLICK

Please make yourself familiar with each mode and it's settings before proceeding. The Broom o' Matic 4000 is a sophisticated sound removal tool and unwanted artifacts are possible if used improperly.

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Chapter 1

INPUT MODE:

Set the user selectable front panel switch/ deflector to the appropriate audio input source.

DIGITAL:

In the digital mode, Broom o' Matic 4000's self detector circuitry auto-converts to the output signals sample rate. The Broom o' Matic 4000's internal A/D converters are the latest 64 bit, dual side-band, Nyquist para-mutual, ditherless type. We guarantee total removal of all bytes without any error correction.

ANALOG:

In analog mode, just begin brooming. There is nothing else to it. The Broom o' Matic 4000's auto-detector circuits self compensate for all currently available analog noise reduction schemes. **CAUTION:** Improper selection of this switch will mitigate any brooming results desired. If set to the digital mode and the input source is analog, **NO brooming will occur.** Inversely, when set to the analog mode and the input source is digital, **NO brooming will occur.**

Chapter 2

USE MODE:

Set the user selectable front panel switch/ deflector to the desired mode of use. A courtesy LED has been provided to inform the user of the selection of MANUAL mode when operating in diminished lighting conditions.

MANUAL:

In the manual mode the Broom o' Matic 4000 allows the user to define precisely which sounds or groups of sounds should be broomed. In this mode a high degree of accuracy is possible in the hands of an experienced user. No brooming will occur that the user did not intend to occur.

AUTO-BROOM™:

In this mode the user is relieved of the tedium of searching, selecting, or even listening to the unwanted sounds. At the flip of a switch the Broom o' Matic 4000's proprietary auto-detection circuitry kicks into high gear, eliminating all unwanted sound or sound groups while the user can go on to more productive tasks. Although a great deal of research and development has gone into the auto-detection circuitry, the user is

advised to pre-select one of the three group mode settings (see below) to insure accurate and final removal.

Chapter 3

GROUP MODE:

The group mode is to be used in conjunction with the auto-broom pre-set. We have selected the three main offenders and given them their own presets to allow the user to zero in on the offending sounds or sound groups for elimination without risking any inadvertent or spurious additional elimination's.

FX:

The FX setting will be your most commonly used setting. You may never have the need to use any of the other features of the Broom o' Matic while in this mode. With the Use mode switch/deflector in the *Auto-Broom™* mode the FX setting is capable of a mean output of over 10 GsWp/Hr. (N.B. 1 Gigasweep = 256 events x 48 channels x 48 units). As you can see, this is a very powerful mode and is capable of handling even the most over-cut pre-dub or temp-dub.

WALLA:

The Walla setting can be very handy in those situations where you know there are just too many tracks but you might need to use bits and pieces of one or two of them to flesh out your work track. With the Use Mode switch deflector in the *Auto-Broom™* mode, the Broom o' Matic allots it's entire processor power to pre-reviewing all the walla channels and weeds out over-acting, off stage drama, bogus foreign accents, and many other of a host of offending sound clips *while leaving intact those few pieces of actual usable walla!!* In this mode the Broom o' Matic has allocated all it's processor power to selective brooming but will not eliminate entire units. But of course all good things come with a price: The processor set in this mode reduces the mean sweep output to just 5 GsWp/Hr, still plenty of sweeping power to handle even a Norman Schwartz cut reel.

STEVE FLICK:

CAUTION!!! This is an expert user mode only. Familiarity with the care and use of this unit is paramount. If used improperly, entire reels of material can be lost leaving only the work track, so please follow the instructions carefully.

The Steve Flick mode is our most advanced and robust feature. No job is too large. By increasing the current across the phase transducers coupled

with a coincident reduction in bi-polar cross-talk we have been able to increase the output to over 20 GsWp/Hr!!! (in bench tests we've gotten her as high as 25 GsWp in "rabbit" runs but the unit was unpredictable and unwieldy) Caution: It may be necessary to wear gloves and/or protective clothing while handling the Broom o' Matic for extended periods of time in this mode. As all of the power handling capabilities of the unit are transferred to the sweep head and grip-handle, you may notice mild warming and the unit can run the risk of overheating.

The Steve Flick mode is designed for serious brooming. It allocates all of the Broom o' Matics processing power to large scale SFX removal. It dedicates the processing power of each of the individual intelligent auto-sensing circuitry's directly to the broom head to provide maximum sweepage. This mode should only be used on the most over-cut pre-dubs. In random field tests we have found that use of this mode on properly cut material will not only remove all audio events from the intended reel but it will also remove audio files from subsequent unintended reels as well as audio from reels in other peoples movies, fx from the editors library, and in rare cases the directors previous films.

Used properly and in the hands of an experienced user this mode can yield hours and hours of dubbing pleasure, eliminating vast expanses of unwanted and un-dubbable material. We anticipate announcing a software upgrade within the next two months that will provide a "super-sweetener" mode as well.

Chapter 5

TROUBLESHOOTING

Symptom	Cause	Solution
No sounds were broomed.	Improper front panel setting. Proper audio preparation.	If the unit is in <i>Auto-Broom™</i> mode, chances are high that the audio was so well prepared it could find nothing to remove. In this situation, do not panic. Just proceed with dubbing as usual. There is a good chance that these tracks were prepared by Mark Mangini or Weddington Productions and no brooming

		was necessary.
Too many sounds were broomed	Front panel switch deflector in Steve Flick mode when only light brooming is desired.	Enjoy the dub. chances are even we are too conservative about just how many sounds you really need to mix a movie.
The wrong sounds were broomed	Front panel switch/deflector set to Walla mode when FX or other sound elements are being broomed.	Return front panel switch/deflector to the FX or Steve Flick setting. Reverse polarity to the accumulator/invert playback direction and begin reverse brooming.
The Front panel indicator LED's do not light.	Dead battery/blindness.	Purchase new Broom - o' Matic. There are no user serviceable parts inside.
I have a rash on my bum.	Too much sitting and griping about over-cutting.	Get out and get some exercise and get a life.

Chapter 6

CARE AND CLEANING

It's a broom, you idiot. Do you wash your sponges too?

Chapter 7

WARRANTY

The WeddCorp. Corporation (Wedd.Corp.) warrants this product to be free of defects in material and workmanship for a period of 90 days from the date of the original retail purchase. This warranty is enforceable only by the original retail purchaser. If you think this is unfair or too short, try buying another product this good and see how far your get.

During the warranty period WeddCorp. shall, at its sole and absolute option, either repair or replace free of charge any product that proves to be defective on inspection by WeddCorp. or its authorized service representative, but of course this is impossible since our product is nearly perfect and there is hardly an icicles chance in hell that this product will ever malfunction, and if it did our service

department would probably laugh hysterically at you (that's assuming of course , that they even answer the phone when you call the tech. line because they always leave the phone off the hook.)

IN NO EVENT WILL Wedd.Corp. BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL OR OTHER DAMAGES RESULTING FROM THE BREACH OF ANY EXPRESS OR IMPLIED WARRANTY, INCLUDING AMONG OTHER THINGS, DAMAGE TO PROPERTY, DAMAGE BASED ON INCONVENIENCE OR ON LOSS OF USE OF THE PRODUCT, AND , TO THE EXTENT PERMITTED BY LAW, DAMAGES FOR PERSONAL INJURY, NOT TO MENTION THE FACT THE WE CONSTANTLY HAVE BONEHEADS LIKE YOU USING THE DAMN THING THE WRONG WAY AND WANT TO SUE SOMEONE FOR IT. WELL GOOD LUCK BECAUSE MOST OF OUR PROFITS GO TO A VERY HIGHLY PAID LEGAL STAFF AND WE'LL HAVE YOUR MORTGAGE AND YOUR WIFE BEFORE YOU CAN SAY O.J. SIMPSON. SO GO AHEAD, SUE US, WE DARE YOU. ARE YOU SCARED?

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Chapter 8

Technical Specifications

Power rating:	1 GsWp(= ten giga-sweeps/hour)
Frequency response:	>DC - Daylight
Distortion:	<0.00000000000000000009000000000000% THD
Crosstalk:	(We don't approve of foul language and you shouldn't either)
Power requirements:	9HVAC
Input:	Stereo 1/4" balanced line
Output:	Variable flux
Shotput:	Al Oerter
A/D - D/A	Dual side-band 32 bit linear Nyquist/Halsey vernier scaled bi-polar push-pull RISC processor.
Physical dimensions:	36-28-26 (Claudia Shiffer)

The End