## **Mad Wave Motion Theater**



## **USER MANUAL**

Version 2.0– April 2006



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Dear valued customer,

Congratulations and thank you for purchasing a *Mad Wave Motion Theater* from TRIOTECH AMUSEMENT. We are certain you will not be disappointed with your purchasing decision. Your 2-seat motion theater is coin-operated and does not require any attendance. It features a 5.1 Digital sound system, a bright 1500 LUMENS projector for the 55" screen and a dual-actuator motion platform, which features the most realistic simulation available in coin-op. The built-in LED display and marquee header are sure to attract a crowd.

You can also offer your players a selection of 10 Motion Rides by purchasing additional ride films. Contact your distributor today for more information on these rides!

Sincerely, TRIOTECH



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Technical Support 1-888-465-4634

Electrical



Installation

CAUTION Mad Wave Motion Theater requires a dedicated 15 amp circuit or the machine may experience sporadic technical difficulties. Your Mad Wave Motion Thea-

**Mad Wave Motion Theater Installation** 

ter should not be plugged in with other deluxe or motion based cabinets.

Determine Optimum Location

The game location must be free of exposure to direct sunlight, high humidity, dust, salt mist, high heat, or extreme cold. If installed in an unusually hot location, allow additional clearance between ventilation slots in the game and any structure or object that would tend to restrict air circulation.

#### Madwave Motion Theater Ships in two (2) crates



<u>CRATE 1</u> INCLUDES MAIN CABI-NET AND MARQUEE HEADER



<u>CRATE 2</u> MOTION SEAT MODULE



## Assembling main cabinet 122



You will need the following hardware: 8 bolts (1/4"-20 X 1/2") and washers 4 bolts (1/4" -20 X 1 1/4")

- 3 persons will be needed for this operation
- Insert one of the two side panels ( A ) on side of cabinet .
   Rotate insert ( B )
- clockwise with Philips screwdriver.3. Repeat step 1 with
- 3. Repeat step 1 with remaining panel.

4. Unfold the projector panel (C) until it sits on top of the two plastic supports (you may have to slightly open the two side panels to let the projector support fit between the two panels until it reaches its upright position) 5. Install 2 bolts (1/4"-20 X1 1/4") and washers on each side of the cabinet ( D ) to hold the projector panel in the upright position.

Installation





Installation

-3

1

#### Madwave Motion Theater User Manual

Α. Remove projector cover plate

Header Wiring

- В. Slide wires from header into plactic tube.
- C. Connect the Phone cable to the outlet.
- Connect the two 120V cords to the outlet. D.
- Connect the Speaker wire to the connectors (Make sure the number on the Ε. wire match with those beside the connector plate).
- F. G.
- Unscrew Screw. Pull plastic tube out. Close projector cover plate Н.
- I. Position tube so both screws are positioned inside wood panels and screw both screws to prevent tube from sliding.









#### Stabilize Unit

1. 2.

3.

The movement of the seats produces force on the machine that can cause the entire game to move. Before operating the theater, make sure all levellers are down and resting firmly on the

floor.

-Proceed to rear cabinet

Installation

-5

-Open the lower rear door (key on hook in coin mech door)

Seat wiring

-Take wires from the opening and connect as follows:

- A. Connect the RG-45 cables to the terminal block;
- B. Connect the speaker wire to the terminal; (Be sure to match the numbers that are on the speaker wires to the numbers indicated below the terminal block)
- C. Connect the power cord from the seat.

From the back service door re-route the main power cord to the outside of the machine through the circular opening beside the door.







## Installation Projector adjustment Epson PowerLite S3



Projection is pre-adjusted at the factory but minor adjustments may be required. (1) Vertical adjustment (Tilt) To center the image horizontally on the screen, loosen the large knob on both sides of the projector and tighten it when it is adjusted properly.









Factory projector adjustments Projector

- 1. Invert image: press Menu-projector-rear/ceiling
- 2. Image shape: press Menu-setting-keystone, and set to -22
- 3. Brightness: press Menu-setting-brightness control-low
- 4. Image color: press menu-image-color mode-presentation
- 5. Image position: press menu-signal-position





## Table of contents

Configuration

Configuration

2

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Configuration

## Factory setting is set at 12 coins per ride

Continued

**Operator Setting** 

To access the operator settings interface, open the coin mechanical door and push the small micro switch on the inside door as shown below (*while in attract mode only*). If you push the micro switch once, you will get the Statistic mode.







To access the statistic mode screen, press the micro switch once (or toggle micro switch until you reach this screen).

Configuration 2-1



**Operator Setting** 

Continued

Configuration

Use the large dash selection buttons 1 through 6 to change configurations. To change any of the options, press the appropriate button until the desired setting is reached. To return to a previous setting, keep toggling the button until it reaches the end of the settings; then it will restart the settings from the beginning. -Amount of credits needed to start game. Set to 0 for free play (Press 1) Choose to display credits or money on screen. (Press 2) Value of one credit. (Press 3) Sound volume in attract mode. (Press 4) Sound volume in menu mode. (Press 5) Hit the appropriate button on the header to change variables STO STO (1)  $(\mathbf{2})$ (3) 5 (6) (4 PLAYERS SELECT YOUR MOTION RIDE HERE Maintenance mode : Configuration Elements : (1) cost per game (credit) : 8 (2) cost display : credits (3) credit value (\$) : \$0.25

Press on the appropriate button

(4) volume (demo) : 2
(5) volume (menu) : 66

ver. 1.10 Oct 14 2003 13:19:10

## Audio adjustments 2-2



#### CAUTION

If the movie volume is not set high enough, it will dramatically reduce the experience! Sound level must be set loud to get the maximum effect.



Configuration

#### **Sound settings**



#### Subwoofer settings





Configuration

## **Dollar bill validator information** 2=3

Conf

THE MAD WAVE MOTION THEATER does not ship equipped with a DBV, however it is pre-wired to accept one and we suggest the installation of one of the models recommended below. This game uses the Happ Controls Over Under Wide Bill Validator, part number 40-2000-00. This door accepts Mars upstacker bill validator with compact fitted Bezel (up to 7" deep)



Accepts both bills and coins

Fitted with full metal cash box enclosure

Fitted with two \$.25 U.S. Coin

#### **FACTORY SUGGESTED PRICING PER RIDE IS \$3.00**

Upstacker Bill validator fits these Models amongst others

MARS	AE-2651-U3E
MARS	AE-2651-U5E



#### Part 3: Maintenance

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**Replacing projector lamp** Maintemance **Epson PowerLite S3** 

#### Before replacing the lamp, you need to remove the projector.



disconnect the video and



Remove projector lamp cover, unscrew 2 holding







The air filter should be cleaned as described below at intervals of approximately 3 months. If a message appears asking you to clean filter, turn projector off and clean filter.



automatically to prevent overheating.



-Reach top of Game

-Slide out the filter and clean in soapy water

-Insert back in place



## Clean filter minimum once a month



Before replacing the lamp, you need to remove the projector.





#### **Replacing the Lamp**

When the indicator shows that there is zero (0) hours of lamp life remaining, the unit will automatically shut off within 10 minutes. If you see this message, you should replace the lamp. However, you may replace the lamp anytime after the first warning message appears, at approximately 300 hours of remaining lamp life.

- 1. Switch the projector OFF, remove the power cord from the power outlet, and wait at least 45 minutes for the unit to cool.
- 2.Prepare a new lamp. Check that the projector has cooled sufficiently, and gently turn it upside down.
- 3.Loosen the two screws as shown in the diagram, and remove the lamp cover.
- 4.Loosen the one screw, and gently remove the lamp while holding the grips. Touching the inside of the lamp case may result in uneven coloring.
- 5.Install the new lamp and tighten the one screw firmly.
- 6.Make sure that the lamp assembly is seated properly before replacing the other screw.
- 7.Replace the lamp cover in position and tighten the two screws firmly.
- 8.Gently turn the projector right-side up.





#### CAUTION!

Ensure that screws are properly tightened . Screws not fully tightened may result in injury or accidents.

## Replacing projector lamp Viewsonic PJ-501 Continued



CAUTION: The lamp may explode if handled at high temperatures. HIGH VOLTAGE - HIGH TEMPERATURE - HIGH PRESSURE

-Dispose of the used lamp according to local regulations.

-Since the lamp is made of glass, do not drop the unit and do not scratch the glass.

-Do not reuse the old lamp. This could cause the lamp to explode.

-Do not use the projector with the lamp's front glass covering removed.

-If there is a possibility that the lamp has exploded (you heard an explosive sound), disconnect the power plug from the power outlet and ask your dealer to replace the lamp. The lamp is protected by a glass cover, but in rare cases, the reflector and the inside of the projector could be damaged by broken or shattered glass. Broken pieces of glass could cause injury Maintenance 3-4

### <u>Lamp</u>

The estimated lamp life is 4000 hours. Before replacing the lamp, turn the Power Switch OFF, remove the power cord from the power outlet, and wait approximately 45 minutes until the lamp has cooled.

NOTE: The LAMP indicator is also red when the lamp unit reaches a high temperature. Before replacing the lamp, switch the POWER OFF, wait approximately 20 minutes, and switch the POWER ON again. If the LAMP indicator is still red replace the lamp.





After replacing the lamp, it is important that you reset the lamp timer. When the lamp has been replaced after the "THE POWER WILL TURN OFF AFTER 0hr." message is displayed, complete the following steps within 10 minutes of switching power ON. The power will be turned off automatically after 10 minutes.

Switch POWER ON.

From the OPTION menu select LAMP TIME with the description of "Adjusting the Projected Image".

Press the RESET button and hold for approximately 3 seconds. The DEFAULT and CANCEL options will display.

Press the Up arrow button to select the DEFAULT. The remaining lamp life is now reset to 2000 hours.

IMPORTANT: Do not reset the lamp timer without replacing the lamp. The message functions will not operate properly if the lamp timer is not reset correctly.

## **Cleaning the Lens**

Gently wipe the lens with lens cleaning paper. Do not touch the lens with your hands.



Make sure the lens is cool before cleaning. Do not use detergents or chemicals other than those noted above. Do not use benzene or thinners. Do not use chemical sprays.

Use a soft cloth or lens paper only.



The air filter should be cleaned as described below at intervals of approximately 250 hours. When the filter is used for approximately 200 hours, the message "CLEAN THE AIR FIL-TER" appears when the projector is switched on.

- A. Remove the projector cover plate
- B. Remove filter and clean
- C. Reset filter timer (page 24)







Maintenance Reseting projector air filter Timer **3-6** Viewsonic PJ-501

### **Reset filter timer**

Do not reset the filter time without cleaning the filter. The message functions will not operate properly if the filter time is not reset correctly.

- 1. Take the remote control from inside the cabinet
- 2. Press MENU on the remote control
- 3. Select OPTION
- 4. Select FILTER TIMER
- 5. Hold the RESET button on the remote control for 5 seconds
- 6. Select RESET
- 7. Check that the filter timer is back to 0



- Replace the air filter if contamination cannot be removed, or if it is damaged.
- Do not use the projector with the air filter removed.
- When the air filter is clogged, the power supply is switched OFF automatically to prevent overheating.



Unplug all cables from the seat module through the small door opening in the back of the main cabinet.



Maintenance 3-6

B

**\** 

Unbolt the seat module from the main cabinet Slide the seat module a foot away from the main cabin (being careful not to damage the seat cables)







Maintenance 3-7

# Replacing an actuator Maintenance 3-7

## D

Remove the bolts using 7/16" socket with bolts #1,  $\frac{1}{2}$ " socket with bolts #2 and  $\frac{5}{32}$  hex key with bolts #3

NOTE: The left and right plates are not the same. Do not mix them if you are removing the two actuators.



Maintenance

# IMPORTANT: When reinstalling the plates, slide them toward the outside of the machine.



Remove drive assembly from motor. Shipping a drive assembly is the cheapest way to get the actuator repaired as you save on shipping (weight).



Maintenance 3-8





Remove and replace control box.
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Troubleshooting

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Troubleshooting

# Actuator / drive assembly (motion) Table of content

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# **Choose one of the following options**



If your serial number ends with the last 3 digits between 001 and 241 (example MT-03-04-<u>018</u>), go to page 34.

Troubleshooting 4-1-1

Troubleshooting

# B

If your serial number ends with the last 3 digits 242 or above (example MT-05-04-<u>596</u>), go to page 35.

Troubleshooting 4-1-1

## Diagnostic screen and error codes Continued

Moti	on Theater Diagnosti	c Mode : ES	eat 5]:co	m3		
Genera]	l status (com3) : Synchronizing					
actuato	or 2 (left) status : Unknowned					
actuato	or 3 (right) status : Unknowned					
actuato	or 2 (left) error : OK					
actuato	or 3 (right) error : OK					
	Motion err	or. Press a	ny select	ion button t	o retry.	
					ver, 2.	01 Mar 31 2004 14:00:2
•	<u>SYNCRONIZED</u> SYNCRONIZING NOT RESPONDING	No problem rep Move to box be Goto page 43	orted with th low	is actuator		
•	<u>Software (overweight)</u> <u>Software (travel)</u> <u>Software (overpos)</u> <u>Software (fail hall)</u> Software (fail engeden			Go to pa Go to pa Go to pa Go to pa Go to pa	ge 36 ge 36 ge 36 ge 37 ge 37	
•	<u>Software (Jan encoder</u> <u>Software (Timeout)</u> <u>Command OverRun</u> <u>Software</u>			Go to pa Go to pa Go to pa Go to pa	ge 38 ge 39 ge 40	

# Diagnostic screen and error codesTroubleshootingContinued4-1-1

Motion Theater Diagnostic Mode : [Seat 5]:com3 General status (com3) : Synchronizing actuator 2 (left) status : Unknowned actuator 3 (right) status : Unknowned actuator 2 (left) error : OK actuator 3 (right) error : OK Motion error. Press any selection button to retry. ver. 2.01 Mar 31 2004 14:00:29 SYNCRONIZED No problem reported with this actuator **SYNCRONIZING** Move to box below • NOT RESPONDING Goto page 43 • Software (overweight)Command OverRunFail State Goto page 36 Software (travel)Command OverRunFail State Goto page 36 • Software (fail hall)Command OverRunFail State Goto page 41 • <u>Software (overpos)Command OverRunFail</u> State Goto page 41 •

• <u>Software (Timeout)</u>

- <u>Command OverRunFail State</u>
- <u>Software Command OverRunFail State</u>
- Goto page 38
- Goto page 42
- Goto page 40

Troubleshooting Dia 4-1-1 Co

Diagnostic screen and error codes Continued

Software (Travel)

<u>Software (overweight)</u>

Software (overweight) Command OverRun Fail State

<u>Software (OverPos)</u>

Software (Travel) Command OverRun Fail State

<u>Cause</u>

- Mechanical fault

-Unplug Motion Theater. -Lift speaker bars on sets to check if they move freely.

<u>MOVES FREELY</u> -Re-seat actuator on side the error appeared (diagnostic screen). <u>Do not tighten center</u> <u>bolt too hard</u>.

If no change, replace whole actuator.

DOES NOT MOVE FREELY

-Replace DRIVE ASSEMBLY

# Diagnostic screen and error codesTroubleshootingContinued4-1-1

Software (Fail Hall)

Software (Fail encoder)

- Electrical fault

<u>Cause</u>

-Replace whole ACTUATOR on side error appears. Section 3-3.

Troubleshooting 4-1-1



### <u>Software (Timeout)</u>

- Actuators have not received data from computer for more than one minute



B

Troubleshooting 4-1-1 -Get mouse and keyboard -Press ESC on keyboard -Double Click MOTION THEATER icon on computer desktop.

# Diagnostic screen and error codesTroubleshootingContinued4-1-1

Command OverRun

- Same side Actuators are installed on Motion Theater



Troubleshooting Dia 4-1-1 Co

### Diagnostic screen and error codes Continued

### <u>Software</u>

### Software Command OverRun Fail State

### **Cause**

- Machine is sharing breaker with other devices.
- Machine is not receiving at least 115volts.





-Wait 10 minutes and call Tech Support @ 1-888-465-4634



Technical Support 1-888-465-4634

get replacement.

TroubleshootingDiagnostic screen and error codes4-1-1Continued

Command OverRun Fail State

- When error appears as is, without the word **software**, no problem is detected on **<u>this</u>** actuator.

Troubleshooting 4-1-1

## **Diagnostic screen and error codes** Troubleshooting 4-1-1 Continued

### Not Responding



Continued next page -







## Motion stops and restarts during ride

Troubleshooting

4-1-2

<u>Cause</u>

- One or more Actuator is faulty, but does not generate an error in the Diagnostic Screen.

-Get mouse and keyboard out.
-Press ESC.
-Go to WINDOWS EXPLORER.
-Copy C:\MotionTheater\Motion\_Theater.log on floppy disk.
-Email file at SERVICE@TRIO-TECH.COM
-Wait 10 minutes and call Tech Support @ 1-888-465-4634

Troubleshooting 4-1-2

4-1-3 Motion is not synchronized

Cause

- Wrong version of the USB to Serial converter (computer cable)

-Replace computer with version that does not use such a cable (new cables are not compatible).

# Game plays without motion 4-1-4

Troubleshooting

Cause

- Wrong version of the USB to Serial converter (computer cable)

-Replace computer with version that does not use such a cable (new cables are not compatible).

Troubleshooting 4-1-4

Troubleshooting
4-1-5

# One seat rises when starting and other does not

Cause

- One or more Actuator is faulty, but does not generate an error in the Diagnostic Screen.

Take mouse and keyboard out.
Press ESC.
Go to WINDOWS EPLORER.
Copy C:\MotionTheater\Motion\_Theater.log on floppy disk.
Email file to SERVICE@TRIO-TECH.COM
Wait 10 minutes and call Tech Support @ 1-888-465-4634

Troubleshooting 4-1-5

# Motion is too strong **4-1-6**

Troubleshooting

**Cause** 

- All games have the same motion strength

-Get mouse and keyboard -Open WINDOWS EXPLORER -Access c:\MotionTheater\MotionTheater\_Movie\_config.txt -Open file -Modify the motion volume for the rides you think are too strong. -Set motion between 70 and 100

MotionTheater_Movie_config.t	txt - Bloc-notes	
Fichier Edition Format Affichage ?		
jid.movie.1 motion.1.001 starting.frame.motion.1	toy_coaster 90 ◀ 140	
id.movie.2 motion.2.001 starting.frame.motion.2	haunted_mine 100 <b>←</b> 240	_
id.movie.3 motion.3.001 starting.frame.motion.3	fantasy_rider 100 ◀ 80	_
id.movie.4 motion.4.001 starting.frame.motion.4	road_fury 90 <b>∢</b> 140	_
id.movie.5 motion.5.001 starting.frame.motion.5	arctic_run 100 <b>←</b> 140	_







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-Check power, if no power replace

projector.

Technical Support 1-888-465-4634

-Replace projector

¥



Troubleshooting 4-2-2



### **Cause**

- Computer problem
- Projector control board problem
- Projector filter needs cleaning
- Projector lamp timer to reset
- Wrong input selected on projector

Error Error Cannot open the serial device 1 on 21	REASON         -Computer uses USB to SERIAL cable         SOLUTION         -USB to SERIAL cable not connected	
CLEAN THE AIR FILTER AFTER CLEANING AIR FILTER, RESET THE FILTER TIMER.	REASON -Regular filter cleaning <u>SOLUTION</u> -Clean air filter on side of projector and reset timer	Troublesh 4-2-
Power off? Yes ; Please press ôl button again. No ; Please wait.	REASON         -Projector control board (behind projector) is not detecting projector         SOLUTION         -Check light sensor on projector control board, insert in grill. If inserted, replace board	nooting 3
ViewSonic*	REASON         -Wrong input source on projector         SOLUTION         -Using remote control, set input to RGB or press INPUT on projector	
REPLACE LAMP AFTER REPLACING LAMP, RESET LAMP TIMER	REASON         -Lamp has reached the end of its expected life.         SOLUTION         -Purchase spare lamp and replace when yours fails         -Reset lamp timer using menu button on remote control	

TroubleshootingProjector remote control does not4-2-4respond

**Cause** 

- Batteries are dead
- Remote control is defective

-Replace batteries -Replace remote control

Troubleshooting 4-2-4

# Buttons do not respond 4-3

Cause

- Bad connection in wiring
- Bad connection to computer

### **Restart computer after each step below**



-Make sure PS2 extension that runs between keyboard encoder board and computer is on tight. (turn computer off, reseat cable and restart computer)



Troubleshooting



Troubleshooting 4-3





-Verify that red connectors are pushed in tight.

-Verify that wires in connectors are secure.

-Verify that problem does not come from keyboard encoder board. (section 3)

Troubleshooting 4-4

# Computer error codes 4-5

### **Cause**

- Hard drive not ON
- USB to SERIAL connector (cable in back is not connected)
- Actuator problem



Troubleshooting 4-5

-If this error appears, call technical support at 1-888-465-4634



Troubleshooting

-If this screen appears, refer to section 4 -1 page 33. Motion Theater Diagnostic Mode : [Seat 5]:com3 Ceneral status (cm3) : Synchronizing actuator 2 (left) status : Unknowned actuator 2 (left) status : Unknowned actuator 2 (left) error : 0K Actuator 3 (right) error : 0K Motion error. Press any selection button to retry.





-If <u>START</u> bar appears during game play, battery did not shut down computer properly.

-Unplug game from wall and wait 15 minutes before replugging. Problem will be solved.

🚹 de marrer 🌒 🕘 🔄 😰 🦃 🍪 🚱 👋 🎲 Boite ... 😰 MT-15... 🖷 mwm\_... 🔪 Adobe... 🖆 IMAGES 🖨 UPS: ... 😰 🗳 Bureau 🤋 🔇 10:37

-If battery keeps on beeping, unplug game from wall and wait 15 minutes before replugging. Problem will be solved.

-If battery does not turn on, replace battery.



### **Trouble**

- Some lights not functioning
- Lines not lighting
- Message changes
- Does not store message in memory
- Customizing message
- Does not power on

### Some lights not functioning

-Replace SIGN

### Lines not lighting

-Replace SIGN

Message changes

Call Triotech 1.888.465.4634 for update

Does not store message in memory

-Replace SIGN

Customizing message

-Call Triotech 1.888.465.4634 for update

Troubleshooting 4-7

Does not power ON

-Replace SIGN



### **Trouble**

- No sound to 1 or more surround speakers.
- No sound at all



### No sound to 1 or more surround speakers

If no sound, disconnect all surround speakers and test them one at the time. If one or more do not work, replace it (them).

### No sound at all

If no sound, check power. If you have power, reset settings and restart computer. Replace coaxial cable linking computer and amplifier

If all else fails, replace amplifier.

Parts
Parts 5

### Part 5 :Parts List

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Item	Part No.	Description
01	SD-250-0010	Fiberglass seat
02	SD-500-0003	Head Custom
03	SD-250-0024	Right Speaker support
04	SD-250-0010	Holder Bar
05	SD-250-0023	Left Speaker support
06	SD-350-0006	Fiberglass back
07	SD-350-0004	Fiberglass right side
08	SD-350-0003	Fiberglass left side
09	SD-250-0025	Foot Rest
10	SD-350-0001	Right Fiberglass base
11	SD-400-0002	Center floor plastic
12	SD-250-0011	No Step Plate

13	SD-350-0002	Left Fiberglass base





Speakers	SD-700-0020	01
Header	SD-350-0007	02
Speaker grill	SD-250-0026	03
Neon Light 4'	SD-550-0003	04
LED Sign	SD-550-0002	05
Front Plastic	SD-400-0005	06
Mirror	SD-600-0002	07

08	SD-400-0004	Mirror holder
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THEATER			
	PART NUMBER	NAME	
MECANICAL			
MECANICAL	SD-450-0002	ACTUATOR AV 1.15 LEFT	
	SD-450-0002	ACTUATOR AV 1.15 RIGHT	
	SD-1000-0001	ACTUATOR AC 6	
	SD-450-0004	DRIVE ASSEMBLY AV 1.15	
	SD-450-0005	DRIVE ASSEMBLY AC 6	
		PIVOT BRACKET	
	SD-900-0004	ACTUATOR COUPLER	

	COMPUTER	
COMPUTER	SD-300-0002	COMPUTER
	SD-300-0008	MAXTOR HARD DRIVE 40GB
	SD-300-0017	SEAGATE HARD DRIVE 80GB
	SD-300-0007	COMPUTER VIA MOTHERBOARD
	SD-300-0018	MEMORY CARD 256 MEG SDRAM
	SD-300-0022	CD-ROM DRIVE
	SD-300-0024	COMPUTER POWER SUPPLY MINI ATX
	SD-300-0014	FLOPPY READER

	ELECT	TRONICS
	SD-150-0098	12V POWER SUPPLY
	SD-900-0018	PROJECTOR AIR FILTER
	SD-700-0002	PROJECTOR
	SD-700-0042	PROJECTOR REMOTE CONTROL
	SD-300-0004	PROJECTOR CONTROL BOARD
	SD-900-0014	PROJECTOR LAMP PJ-501
	SD-900-0016	PROJECTOR LAMP PJ-550
ELECTRONICS	SD-300-0001	KEYBOARD ENCODER BOARD
	SD-150-0024	ACTUATOR CONTROL BOARD
	SD-300-0003	UPS BATTERY BACKUP
	SD-950-0001	AMPLIFIER
	SD-700-0003	SUBWOOFER SPEAKER
	SD-700-0020	SURROUND SPEAKER
	SD-550-0002	PROLITE LCD PANEL
	SD-150-0019	ACTUATOR RJ45 SHIELDED NETWORK CABLE

	MISC	
	SD-150-0030	BLUE SELECTION BUTTON
MISC	SD-150-0029	RED BUTTON
	SD-350-0005	FIBERGLASS SEAT
	SD-150-0099	CHERRY SWITCH
	SD-500-0003	HEAD CUSHION
	SD-250-0019	ACTUATOR BRACKET LEFT
	SD-250-0020	ACTUATOR BRACKET RIGHT
	SD-250-0017	AMPLIFIER MOUNTING PLATE
	SD-650-0001	SIDE DECALS



SD-250-0023	SPEAKER HOLDING BAR (LEFT)
SD-250-0024	SPEAKER HOLDING BAR (RIGHT)


#### Part 6 : Schematics

Electrical (back of game)	6-1
Computer	6-2
Audio / video	6-3
Electrical	6-4





### **MWMT Electrical Schematics: Physical view (back)**





Right Speaker

Speaker



MWMT Electrical Schematics: PC









#### MWMT Electrical Schematics: Audio/Video







#### MWMT Electrical Schematics: Alimentation





# **Technical Support**

109 Des Industries Lavaltrie, Quebec Canada J5T 3R2

## 1-888-IN-LINE-4

Fax: 450.586.0299 www.trio-tech.com info@trio-tech.com

#### LIMITED WARRANTY

- With the exception of drive assemblies and projector bulbs (parts causing motion of the seats), Triotech warrants to the buyer, for a period of (1) one year starting on the day of product delivery, all parts against any manufacturer's defect. During this warranty period, Triotech agrees to replace defective parts. Installation costs onsite are at the charge of the buyer.
- Triotech warrants to the buyer, for a period of (3) three months starting on the day of product delivery, all parts and labor against any manufacturer's defect of drive assemblies (parts causing motion of the seats) and projector bulb. During this warranty period, Triotech agrees to replace defective parts. Installation costs on-site are at the charge of the buyer.
- Ground Freight costs for replacement parts are at the charge of Triotech, if Air freight is requested it will be at the charge of the buyer. The buyer agrees to send back defective parts to Triotech within (30) thirty days and freight costs will be at his charge.

The warranty is limited to manufacturer's defects.

- As for parts or components not manufactured by Triotech, the only valid warranty is that of the manufacturer's.
- Triotech assumes no liabilities for any loss of revenue, damage or inconvenience of any type resulting from a defect of any part of the system and will not assume the temporary replacement of the system during the period of repair.
- Triotech is not liable of any late delivery of the system.
- Any apparent defect or non-delivery of a part of the system shall be notified in writing within 5 days of delivery.
- Defective parts covered by the warranty will be replaced at Triotech's discretion either by new or rebuilt parts with the same or with a replacement model of the same parts. Warranty on replacement parts ends on the same date as the original part warranty.
- No warranty is valid if the defect is the result of a misusage, or contrary to the norms of instruction or user manuals, or the result of improper maintenance.
- Using spare parts that do not fit specifications will void the warranty. Removing serial numbers and/or bar codes from product or component will void the warranty.
- Triotech is only liable to the replacement, in a reasonable delay, of the defective parts.
- No warranty is granted on the productivity of the system sold or on the result of its use.