



CHAIN REACTION

KIT, INSTRUCTION MANUAL

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CHAIN REACTION, KIT - INSTRUCTION MANUAL

CAUTION:

1. **DO NOT EXPOSE THE PRINTED CIRCUIT BOARD (PCB) TO DIRECT SUNLIGHT.**
2. **WHEN TRANSPORTING THE PCB, USE ANTI - STATIC OR ALUMINUM PACKING MATERIAL TO AVOID DAMAGING THE INTEGRATED CIRCUITS.**
3. **MAKE SURE YOU CHOOSE THE PROPER POWER SUPPLY.**
4. **PLEASE READ THROUGH THIS MANUAL BEFORE USING THE GAME PCB.**

LIST OF PARTS INCLUDED IN THE KIT

1. 510-0013-00 PCB, Chain Reaction
2. 830-0075-00 Marquee, Chain Reaction
3. 780-5034-00 Kit Manual, Chain Reaction
4. 001-0001-00 White Video Kit Carton (Box)

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HARNESS CONNECTION (JAMMA) CN1

SOLDER SIDE	PIN NUMBER	PIN NUMBER	PARTS SIDE
GND	A	1	GND
GND	B	2	GND
+5V	C	3	+5V
+5V	D	4	+5V
OPEN	E	5	OPEN
+12V	F	6	+12V
KEY	H	7	KEY
COIN COUNTER 2	J	8	COIN COUNTER 1
GND	K	9	(GND)
SPEAKER (-)	L	10	SPEAKER (+)
OPEN	M	11	OPEN
VIDEO GREEN	N	12	VIDEO RED
VIDEO SYNC	P	13	VIDEO BLUE
SERVICE SWITCH	R	14	VIDEO GROUND
OPEN	S	15	TEST SW
COIN SWITCH 2	T	16	COIN SWITCH 1
START SWITCH 2	U	17	START SWITCH 1
2 P UP	V	18	1P UP
2 P DOWN	W	19	1P DOWN
2 LEFT	X	20	1P LEFT
2P RIGHT	Y	21	1P RIGHT
2P PUSH 1	Z	22	1P PUSH 1
2 P PUSH 2	a	23	1P PUSH 2
OPEN	b	24	OPEN
OPEN	c	25	OPEN
OPEN	d	26	OPEN
GND	e	27	GND
GND	f	28	GND

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MONITOR (CRT): HORIZONTAL SCREEN
RGB COLOR SIGNALS SEPARATE
SYNC SIGNAL COMPOSITE:
0 0, +.5V
1 +3V, +5V
IMAGE SIGNAL: +0.4V - 4.5V

OPERATING ENVIRONMENT

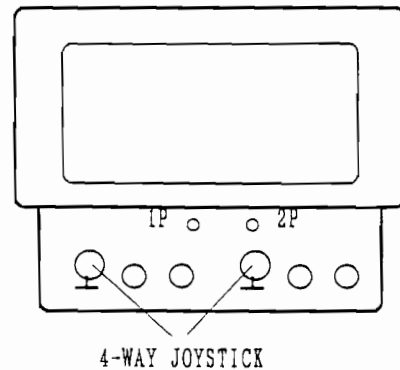
TEMPERATURE: 41 F, 95 F.
HUMIDITY: 20 %, 80%

STORAGE

TEMPERATURE: - 10 F, 149 F.

JOYSTICK: 4 WAY JOYSTICK

PLAYER: TWO PLAYER GAME



PCB: E42-005D
LENGTH : 11.811"
WIDTH: 8.267"

POWER SUPPLY: + 5V +/- 5% 2.5A
+12V +/- 5% 1.5A

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TEST MODE

At power up the PCB will enter in a auto self test mode. An error message will indicate if any malfunction is detected during power up.

If you encounter messages such as: WARNING

GAME MODE SETTING ERROR

please contact your distributor or Data East USA Inc.

GAME OPTIONS SETTINGS

Please locate the test switch on component side of the PCB. By pressing down on the test switch you will activate the game option main menu:

MENU

GAME OPTIONS

COIN OPTIONS

I/O CHECK

GAME MODE

Choose GAME OPTIONS and press the 1 Player Button to enter this screen.

GAME OPTIONS

SCREEN ROTATION	NORMAL	REVERSE		
ATTRACT MODE SOUND	ON	OFF		
GAME DIFFICULTY	EASY	MEDIUM	HARD	VERY HARD
CHARACTER MODE	YES	NO		
INITIAL HIGH SCORE	NO	YES		

Please select your preferred settings and press the 1 Player Button to confirm them.

When finished highlight the EXIT selection and press the 1 Player Button.

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WARRANTY INFORMATION:

DATA EAST USA Inc. (Seller), warrants only to the initial purchaser of its products that the items listed below are free from defects in material and workmanship under normal use and service for the warranty periods specified:

1. Printed Circuit Boards (PCB) 90 days.

No other parts of the Seller's products are warranted.

Warranty periods are effective from the initial date of shipment from the Seller to its authorized distributors.

Seller's sole liability shall be, at its options, to repair or replace products which are returned to Seller during the warranty periods specified, provided:

1. Seller is notified promptly upon discovery by buyer that stated products are defective.
2. Such products are properly packaged and then returned, prepaid to Seller's plant.

This warranty does not apply to any parts damaged during shipping or handling, or due to improper installation or usage, or alteration. In no event shall the Seller be liable for any anticipated profits, loss of profits, loss of use, incidental or consequential damages or any other losses incurred by the customer in connection with the purchase of a Data East USA, Inc. products.

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