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CGA / VGA MULTI JAMMA

**CLASSIC GAME COLLECTION
OPERATING MANUAL**

PCB Dip Switch Settings

DIP SW3		1	2	3	4
Screen Orientation	Normal	OFF			
	Flip Screen	ON			
Display Mode (CRT)	CGA – 15.75 khz		OFF		
	VGA – 31.5 khz		ON		
High Score Save	Disabled			OFF	
	Enabled			ON	

System Setup

Keep TEST SW or SERVICE SW pressed and power on to enter system setup mode or system test mode.

The first page is the SCREEN TEST. You may tune your screen size at this page or press TEST SW to enter next page.

If high score save is supported and enabled, the second page is CLEAR HIGH SCORE. You may clear all saved high scores by pressing both START and S1 buttons. Press TEST SW to enter next page or press SERVICE SW to return to the last page.

The next page is SYSTEM DIPSWITCH SETUP. Use the joystick to move cursor and S1 buttons to switch ON/OFF. The system dipswitch settings follow:

System Dipswitch Setup for All Multi Jamma PCBs

DIP SW1		1	2	3	4	5	6	7	8
Coin 1	1 coin 1 credit	OFF	OFF	OFF	OFF				
	1 coin 2 credit	ON	OFF	OFF	OFF				
	1 coin 3 credit	OFF	ON	OFF	OFF				
	1 coin 4 credit	ON	ON	OFF	OFF				
	2 coin 1 credit	OFF	OFF	ON	OFF				
	2 coin 2 credit	ON	OFF	ON	OFF				
	2 coin 3 credit	OFF	ON	ON	OFF				
	2 coin 4 credit	ON	ON	ON	OFF				
	3 coin 1 credit	OFF	OFF	OFF	ON				
	3 coin 2 credit	ON	OFF	OFF	ON				
	3 coin 3 credit	OFF	ON	OFF	ON				
	3 coin 4 credit	ON	ON	OFF	ON				
	4 coin 1 credit	OFF	OFF	ON	ON				
	4 coin 2 credit	ON	OFF	ON	ON				
	4 coin 3 credit	OFF	ON	ON	ON				
	4 coin 4 credit	ON	ON	ON	ON				

DIP SW1		1	2	3	4	5	6	7	8
Coin 2	1 coin 1 credit					OFF	OFF	OFF	OFF
	1 coin 2 credit					ON	OFF	OFF	OFF
	1 coin 3 credit					OFF	ON	OFF	OFF
	1 coin 4 credit					ON	ON	OFF	OFF
	2 coin 1 credit					OFF	OFF	ON	OFF
	2 coin 2 credit					ON	OFF	ON	OFF
	2 coin 3 credit					OFF	ON	ON	OFF
	2 coin 4 credit					ON	ON	ON	OFF
	3 coin 1 credit					OFF	OFF	OFF	ON
	3 coin 2 credit					ON	OFF	OFF	ON
	3 coin 3 credit					OFF	ON	OFF	ON
	3 coin 4 credit					ON	ON	OFF	ON
	4 coin 1 credit					OFF	OFF	ON	ON
	4 coin 2 credit					ON	OFF	ON	ON
4 coin 3 credit					OFF	ON	ON	ON	
4 coin 4 credit					ON	ON	ON	ON	

DIP SW2		1	2	3	4	5	6	7	8
Demo Music	Yes	OFF							
	No	ON							
Game Demo Sound	Yes		ON						
	No		OFF						
Demo Music Mode	Mode 1			OFF					
	Mode 2			ON					
Free Play	Yes				ON				
	No				OFF				
Cabinet Type	UR/1 JS					OFF	OFF		
	Cocktail					ON	OFF		
	UR/2 JS					OFF	ON		
	Cocktail					ON	ON		

Each game can be enabled or disabled respectively. Disabled games will not be shown for playing. Press SETUP (P1 Start) to finish this step or press TEST SW to enter following pages for DIPSW setup of each game or SERVICE SW to return to last page.

The last 2 pages are VOLUME ADJUST and I/O TEST. You may adjust audio volume or diagnose PCB I/O status on these 2 pages.

For system test mode, only SCREEN TEST and I/O TEST pages are included.

Press the Player 1 Start Button after making changes to save your adjustments.

Standard Jamma Pinout

Parts Side		Solder Side	
GND	1	A	GND
GND	2	B	GND
+5V	3	C	+5V
+5V	4	D	+5V
-5V	5	E	-5V
+12V	6	F	+12V
Key	7	H	Key
Coin Meter 1	8	J	Coin Meter 2
Coin Lockout 1	9	K	Coin Lockout 2
Speaker +	10	L	Speaker -
N/C	11	M	N/C
Video Red	12	N	Video Green
Video Blue	13	P	Video Sync
Video Ground	14	R	Service
Test	15	S	Tilt
Coin 1	16	T	Coin 2
P1 Start	17	U	P2 Start
P1 Up	18	V	P2 Up
P1 Down	19	W	P2 Down
P1 Left	20	X	P2 Left
P1 Right	21	Y	P2 Right
P1 S1	22	Z	P2 S1
P1 S2	23	a	P2 S2
P1 S3	24	b	P2 S3
P1 S4	25	c	P2 S4
N/C	26	d	N/C
GND	27	e	GND
GND	28	f	GND

Please note:

Power Supply voltage adjustment: the PCB voltage of the +5V pin **CANNOT** exceed +5.5V. Please adjust your power supply accordingly!

Game List

1942

1943

Arkanoid

Bomb Jack

Burgertime

Centipede (joystick)

Crush Roller

Dig Dug

Dig Dug 2

Donkey Kong

Donkey Kong 3

Donkey Kong Jr.

Frogger

Galaga

Galaga 3

Galaxian

Gyruss

Hustler

Jr. Pac Man

Juno First

King & Balloon

Ladybug

Mappy

Millipede (joystick)

Moon Cresta

Mr Do

Mr Do's Castle

Ms. Pac Man

New Rally X

Pac Man

Pac Man Plus

Pengo

Phoenix

Pinball Action

Qix

Scramble

Shao-Lin's Road

Space Invaders

Space Panic

Super Breakout

Super Cobra

Super Pac Man

Tank Battalion

Time Pilot

Van-Van Car

Xevious

Zaxxon

Individual Game Dip Switch Settings

Ms Pac Man

DIP SW1		1	2	3	4	5	6	7	8
Life	1	ON	ON						
	2	OFF	ON						
	3	ON	OFF						
	5	OFF	OFF						
Extra Life	10k			ON	ON				
	15k			OFF	ON				
	20k			OF	OFF				
	None			OFF	OFF				
Difficulty	Easy					OFF			
	Hard					ON			
Speed	Normal						OFF		
	Fast						ON		
Ms Pac Bean	Heart							OFF	
	Dot							ON	

Galaga

DIP SW1		1	2	3	4	5	6	7	8
Difficulty	Easy	OFF	OFF						
	Medium	ON	ON						
	Hard	OFF	ON						
	Hardest	ON	OFF						
Rapid Fire	Yes			ON					
	No			OFF					
Extra Life	B O N U S 1	30k 80k	B O N U S 2	30k		OFF	OFF	OFF	
		20k 80k 80k		30k 150k 150k		ON	OFF	OFF	
		30k 120k 120k		30k 120k		OFF	ON	OFF	
		20k 60k 60k		30k 100k 100k		ON	ON	OFF	
		20k 60k		30k 150k		OFF	OFF	ON	
		20k 70k 70k		30k 120k 120k		ON	OFF	ON	
		30k 100k 100k		30k 100k		OFF	ON	ON	
	None				ON	ON	ON		
Life	3 (Bonus 1)							ON	OFF
	5 (Bonus 2)							OFF	OFF
DIP SW2		1	2	3	4	5	6	7	8
Bullet Speed	Normal	OFF							
	Fast	ON							

Frogger

DIP SW1		1	2	3	4	5	6	7	8
Life	3	OFF	OFF						
	7	ON	OFF						
	5	OFF	ON						
	3	ON	ON						

Donkey Kong

DIP SW1		1	2	3	4	5	6	7	8
Life	3	OFF	OFF						
	4	ON	OFF						
	5	OFF	ON						
	6	ON	ON						
Extra Life	7k			OFF	OFF				
	10k			ON	OFF				
	15k			OFF	ON				
	20k			ON	ON				

Donkey Kong Junior

DIP SW1		1	2	3	4	5	6	7	8
Life	3	OFF	OFF						
	4	ON	OFF						
	5	OFF	ON						
	6	ON	ON						
Extra Life	7k			OFF	OFF				
	10k			ON	OFF				
	15k			OFF	ON				
	20k			ON	ON				

Donkey Kong 3

DIP SW1		1	2	3	4	5	6	7	8
Life	3	OFF	OFF						
	4	ON	OFF						
	5	OFF	ON						
	6	ON	ON						
Extra Life	30k			OFF	OFF				
	40k			ON	OFF				
	50k			OFF	ON				
	None			ON	ON				

Galaxian

DIP SW1		1	2	3	4	5	6	7	8
Extra Life	7k	OFF	OFF						
	10k	ON	OFF						
	12k	OFF	ON						
	20k	ON	ON						
Life	2			OFF					
	3			ON					

Dig Dug

DIP SW1		1	2	3	4	5	6	7	8
Continue	Yes	ON							
	No	OFF							
Difficulty	Easy		OFF	OFF					
	Medium		ON	OFF					
	Hard		OFF	ON					
	Hardest		ON	ON					
Extra Life	None				OFF	OFF	OFF		
	20k 70k 70k				ON	OFF	OFF		
	10k 50k 50k				OFF	ON	OFF		
	20k 60k				ON	ON	OFF		
	10k 40k 40k				OFF	OFF	ON		
	10k 40k				ON	OFF	ON		
	20k 60k 60k				OFF	ON	ON		
10k				ON	ON	ON			
Life	1							OFF	ON
	2							ON	ON
	3							OFF	OFF
	5							ON	OFF

Crush Roller

DIP SW1		1	2	3	4	5	6	7	8
Life	3	OFF	OFF						
	4	ON	OFF						
	5	OFF	ON						
	6	ON	ON						
Difficulty	Easy			OFF					
	Hard			ON					

Mr. Do

DIP SW1		1	2	3	4	5	6	7	8
Difficulty	Easy	OFF	OFF						
	Medium	ON	OFF						
	Hard	OFF	ON						
	Hardest	ON	ON						
Special	Easy			OFF					
	Hard			ON					
Extra	Easy				OFF				
	Hard				ON				
Life	2					ON	ON		
	3					OFF	OFF		
	4					ON	OFF		
	5					OFF	ON		

Space Invaders

DIP SW1		1	2	3	4	5	6	7	8
Life	3	OFF	OFF						
	4	ON	OFF						
	5	OFF	ON						
	6	ON	ON						
Extra Life	1000			ON					
	1500			OFF					
Mode	Color				OFF				
	B&W				ON				

Pac Man

DIP SW1		1	2	3	4	5	6	7	8
Life	1	ON	ON						
	2	OFF	ON						
	3	ON	OFF						
	5	OFF	OFF						
Extra Life	10k			ON	ON				
	15k			OFF	ON				
	20k			ON	OFF				
	None			OFF	OFF				
Difficulty	Easy					OFF			
	Hard					ON			
Ghost Name	Normal						OFF		
	Alternate						ON		
Speed	Normal							OFF	
	Fast							ON	

Galaga 3

DIP SW1		1	2	3	4	5	6	7	8
Difficulty	0 (Easiest)	OFF	OFF	OFF					
	1	ON	OFF	OFF					
	2	OFF	ON	OFF					
	3	ON	ON	OFF					
	4	OFF	OFF	ON					
	5	ON	OFF	ON					
	6	OFF	ON	ON					
	7 (Hardest)	ON	ON	ON					
Life	2				ON	OFF			
	3				OFF	OFF			
	4				OFF	ON			
	5				ON	ON			
Extra Life	100k 300k 600k						OFF	OFF	OFF
	150k 400k						ON	OFF	OFF
	150k 400k 900k						OFF	ON	OFF
	100k 300k 300k						ON	ON	OFF
	50k 200k 300k						OFF	OFF	ON
	50k 150k 600k						ON	OFF	ON
	50k 150k 300k						OFF	ON	ON
30k 150k 600k						ON	ON	ON	

Gyruss

DIP SW1		1	2	3	4	5	6	7	8
Life	3	OFF	OFF						
	4	ON	OFF						
	5	OFF	ON						
	3	ON	ON						
Extra Life	30k 60k			OFF					
	40k 70k			ON					
Difficulty	1 (Easiest)				OFF	OFF	OFF		
	2				ON	OFF	OFF		
	3				OFF	ON	OFF		
	4				ON	ON	OFF		
	5 (Average)				OFF	OFF	ON		
	6				ON	OFF	ON		
	7				OFF	ON	ON		
	8 (Hardest)				ON	ON	ON		

Tank Battalion

DIP SW1		1	2	3	4	5	6	7	8
Extra Life	None	OFF	OFF						
	20k	ON	OFF						
	15k	OFF	ON						
	10k	ON	ON						

1942

DIP SW1		1	2	3	4	5	6	7	8
Extra Life	20k 80k	OFF	OFF						
	20k 100k	ON	OFF						
	30k 80k	OFF	ON						
	30k 100k	ON	ON						
Life	1			ON	OFF				
	2			OFF	ON				
	3			OFF	OFF				
	5			ON	ON				
Difficulty	Easy					ON	OFF		
	Normal					OFF	OFF		
	Hard					OFF	ON		
	Hardest					ON	ON		

Ladybug

DIP SW1		1	2	3	4	5	6	7	8
Difficulty	Easy	OFF	OFF						
	Medium	ON	OFF						
	Hard	OFF	ON						
	Hardest	ON	ON						
Hi Score Names	10 Letters			OFF					
	3 Letters			ON					
Life	3				OFF				
	5				ON				

Burgertime

DIP SW1		1	2	3	4	5	6	7	8
Life	3	OFF							
	5	ON							
Extra Life	10k		OFF	OFF					
	15k		ON	OFF					
	20k		OFF	ON					
	30k		ON	ON					
Enemies	4				OFF				
	6				ON				
End of Lvl Pepper	No					OFF			
	Yes					ON			

Mappy

DIP SW1		1	2	3	4	5	6	7	8
Life	1	OFF	ON						
	2	ON	ON						
	3	OFF	OFF						
	*5	ON	OFF						
Extra Life	*30k 80k 20k 70k			OFF	OFF	OFF			
	*30k 100k 20k 60k			ON	OFF	OFF			
	*30k 120k 20k 80k			OFF	ON	OFF			
	*30k 30k 100k			ON	ON	OFF			
	*40k 20k			OFF	OFF	ON			
	*30k 100k 100k 20k 70k 70k			ON	OFF	ON			
	*40k 120k 120k 20k 80k 80k			OFF	ON	ON			
None			ON	ON	ON				
Rank	A						OFF	OFF	OFF
	B						ON	OFF	OFF
	C						OFF	ON	OFF
	D						ON	ON	OFF
	E						OFF	OFF	ON
	F						ON	OFF	ON
	G						OFF	ON	ON
	H						ON	ON	ON

Centipede

DIP SW1		1	2	3	4	5	6	7	8
Language	English	OFF	OFF						
	German	ON	OFF						
	French	OFF	ON						
	Spanish	ON	ON						
Life	2			OFF	OFF				
	3			ON	OFF				
	4			OFF	ON				
	5			ON	ON				
Extra Life	10k					OFF	OFF		
	12k					ON	OFF		
	15k					OFF	ON		
	20k					ON	ON		
Difficulty	Easy							OFF	
	Hard							ON	
Speed	Normal								OFF
	Fast								ON

Millipede

DIP SW1		1	2	3	4	5	6	7	8
Millipede Head	Easy	OFF							
	Hard	ON							
Beetle	Easy		OFF						
	Hard		ON						
Life	2			OFF	OFF				
	3			ON	OFF				
	4			OFF	ON				
	5			ON	ON				
Extra Life	12k					OFF	OFF		
	15k					ON	OFF		
	20k					OFF	ON		
	None					ON	ON		
Spider	Easy							OFF	
	Hard							ON	
Starting Score Sel	No								OFF
	Yes								ON
DIP SW2		1	2	3	4	5	6	7	8
Language	English	OFF	OFF						
	German	ON	OFF						
	French	OFF	ON						
	Spanish	ON	ON						
Bonus	0			OFF	OFF				
	0 1x			ON	OFF				
	0 1x 2x			OFF	ON				
	0 1x 2x 3x			ON	ON				

Jr. Pac Man

DIP SW1		1	2	3	4	5	6	7	8
Life	1	OFF	OFF						
	2	ON	OFF						
	3	OFF	ON						
	5	ON	ON						
Extra Life	10k			OFF	OFF				
	15k			ON	OFF				
	20k			OFF	ON				
	30k			ON	ON				
Difficulty	Normal					OFF			
	Hard					ON			
Speed	Normal						OFF		
	Fast						ON		

Pengo

DIP SW1		1	2	3	4	5	6	7	8
Extra Life	30k	ON							
	50k	OFF							
Life	2		OFF	OFF					
	3		ON	OFF					
	4		OFF	ON					
	5		ON	ON					
Difficulty	Easy				OFF	OFF			
	Medium				ON	OFF			
	Hard				OFF	ON			
	Hardest				ON	ON			

Phoenix

DIP SW1		1	2	3	4	5	6	7	8
Life	3	OFF	OFF						
	4	ON	OFF						
	5	OFF	ON						
	6	ON	ON						
Extra Life	3k 30k			OFF	OFF				
	4k 40k			ON	OFF				
	5k 50k			OFF	ON				
	6k 60k			ON	ON				

Time Pilot

DIP SW1		1	2	3	4	5	6	7	8
Life	3	OFF	OFF						
	4	ON	OFF						
	5	OFF	ON						
	6	ON	ON						
Extra Life	10k 50k			OFF					
	20k 60k			ON					
Difficulty	1 (Easiest)				OFF	OFF	OFF		
	2				ON	OFF	OFF		
	3				OFF	ON	OFF		
	4				ON	ON	OFF		
	5 (Average)				OFF	OFF	ON		
	6				ON	OFF	ON		
	7				OFF	ON	ON		
	8 (Hardest)				ON	ON	ON		

Super Cobra

DIP SW1		1	2	3	4	5	6	7	8
Continue (once)	Yes	OFF							
	No	ON							
Life	3		ON						
	4		OFF						

Hustler

DIP SW1		1	2	3	4	5	6	7	8
Life	2	OFF							
	1	ON							

Space Panic

DIP SW1		1	2	3	4	5	6	7	8
Extra Life	3000	OFF							
	5000	ON							
DIP SW2		1	2	3	4	5	6	7	8
Life	3	OFF							
	4	ON							

Super Breakout

DIP SW1		1	2	3	4	5	6	7	8
Mode	Color	OFF							
	B&W	ON							
Life	3		OFF						
	5		ON						
Move Speed	Slow			ON	OFF				
	Medium			OFF	OFF				
	Fast			OFF	ON				
	Very Fast			ON	ON				
Time*	None					OFF	OFF	OFF	
	200P 200C 200D					ON	OFF	OFF	
	400P 300C 400D					OFF	ON	OFF	
	600P 400C 600D					ON	ON	OFF	
	900P 700C 800D					OFF	OFF	ON	
	1200P 900C 1000D					ON	OFF	ON	
	1600P 1100C 1200D					OFF	ON	ON	
2000P 1400C 1500D					ON	ON	ON		
<p>*Note: P=Progressive C=Cavity D=Double S1 Button: Select Progressive S2 Button: Select Cavity S3 Button: Select Double</p>									

New Rally X

DIP SW1		1	2	3	4	5	6	7	8
Extra Life	3 Cars None 4 Cars None	OFF	OFF						
	3 Cars 20k 80k 4 Cars 20k	ON	OFF						
	3 Cars 20k 100k 4 Cars 40k	OFF	ON						
	3 Cars 20k 120k	ON	ON						
Life	3			OFF					
	4			ON					

Arkanoid

DIP SW1		1	2	3	4	5	6	7	8
Continue	No	OFF							
	Yes	ON							
Difficulty	Easy		OFF						
	Hard		ON						
Extra Life	20k 60k 60k			OFF					
	20k			ON					
Life	3				OFF				
	5				ON				

Qix

DIP SW1		1	2	3	4	5	6	7	8
Life	2	ON	ON						
	3	OFF	ON						
	4	ON	OFF						
	5	OFF	OFF						
Threshold	60%			OFF	OFF	OFF			
	65%			ON	OFF	OFF			
	70%			OFF	ON	OFF			
	75%			ON	ON	OFF			
	80%			OFF	OFF	ON			
	85%			ON	OFF	ON			
	90%			OFF	ON	ON			
95%			ON	ON	ON				
Time	25						ON	ON	ON
	30						OFF	ON	ON
	35						ON	OFF	ON
	40						OFF	OFF	ON
	45						ON	ON	OFF
	50						OFF	ON	OFF
	55						ON	OFF	OFF
	60						OFF	OFF	OFF

Juno First

DIP SW1		1	2	3	4	5	6	7	8
Life	3	OFF	OFF						
	4	ON	OFF						
	5	OFF	ON						
	3	ON	ON						
Difficulty	1 (Easiest)			OFF	OFF	OFF			
	2			ON	OFF	OFF			
	3			OFF	ON	OFF			
	4			ON	ON	OFF			
	5			OFF	OFF	ON			
	6			ON	OFF	ON			
	7			OFF	ON	ON			
	8 (Hardest)			ON	ON	ON			

Xevious

DIP SW1		1	2	3	4	5	6	7	8
Life	1	ON	OFF						
	2	OFF	ON						
	3	OFF	OFF						
	5	ON	ON						
Flags = Extra Life	Yes			OFF					
	No			ON					
Difficulty	Normal				OFF	OFF			
	Easy				ON	OFF			
	Hard				OFF	ON			
	Hardest				ON	ON			
Extra Life	20k 60k 60k 20k 70k 70k						OFF	OFF	OFF
	10k 40k 40k 10k 50k 50k						ON	OFF	OFF
	10k 50k 50k 20k 50k 50k						OFF	ON	OFF
	20k 50k 50k 20k 60k 60k						ON	ON	OFF
	20k 70k 70k 20k 80k 80k						OFF	OFF	ON
	20k 80k 80k 30k 100k 100k						ON	OFF	ON
	20k 60k 20k 80k						OFF	ON	ON
	None						ON	ON	ON
DIP SW2		1	2	3	4	5	6	7	8
Machine Set	Set 1	OFF	OFF						
	Set 2	ON	OFF						
	Set 3	OFF	ON						
	Super Xevious	ON	ON						

Mr. Do's Castle

DIP SW1		1	2	3	4	5	6	7	8
Difficulty	Easy	OFF	OFF						
	Medium	ON	OFF						
	Hard	OFF	ON						
	Hardest	ON	ON						
Machine Set	Set 1			OFF					
	Set 2			ON					
Adv Lvl on Diamond	Off				OFF				
	On				ON				
Extra Life	Easy					OFF			
	Hard					ON			
Life	2						ON	ON	
	3						OFF	OFF	
	4						ON	OFF	
	5						OFF	ON	

Moon Cresta

DIP SW1		1	2	3	4	5	6	7	8
Extra Life	30k	OFF							
	50k	ON							
Machine Set	Set 1		OFF						
	Set 2		ON						

Pinball Action

DIP SW1		1	2	3	4	5	6	7	8
*Control	Mode 1	OFF	OFF						
	Mode 2	ON	OFF						
	Mode 3	OFF	ON						
	Mode 4	ON	ON						
Life	2					ON	ON		
	3					OFF	OFF		
	4					ON	OFF		
	5					OFF	ON		
DIP SW2		1	2	3	4	5	6	7	8
Extra Life	70k 200k	OFF	OFF	OFF					
	70k 200k 1000k	ON	OFF	OFF					
	100k	OFF	ON	OFF					
	100k 300k	ON	ON	OFF					
	100k 300k 1000k	OFF	OFF	ON					
	200k	ON	OFF	ON					
	200k 1000k	OFF	ON	ON					
	None	ON	ON	ON					
Extra	Easy				OFF				
	Hard				ON				
Difficulty (Flappers)	Easy					OFF	OFF		
	Medium					ON	OFF		
	Hard					OFF	ON		
	Hardest					ON	ON		
Difficulty (Outlans)	Easy							OFF	OFF
	Medium							ON	OFF
	Hard							OFF	ON
	Hardest							ON	ON
*Control	Left Paddle	Right Paddle	Shoot			Shake			
Mode 1	Left	Right	S1			S2			
Mode 2	S1	S2	Up/Down			Left/Right			
Mode 3	Left	Right	Up			S1			
Mode 4	Left	Right	Up			Down			

Scramble

DIP SW1		1	2	3	4	5	6	7	8
Life	2	ON	ON						
	3	OFF	OFF						
	4	ON	OFF						
	5	OFF	ON						
Machine Set	Set 1			OFF					
	Set 2			ON					

Super Pac Man

DIP SW1		1	2	3	4	5	6	7	8
Difficulty	0 (Normal)	OFF	OFF	OFF	OFF				
	1 (Easiest)	ON	OFF	OFF	OFF				
	2	OFF	ON	OFF	OFF				
	3	ON	ON	OFF	OFF				
	4	OFF	OFF	ON	OFF				
	5	ON	OFF	ON	OFF				
	6 (Medium)	OFF	ON	ON	OFF				
	7	ON	ON	ON	OFF				
	8	OFF	OFF	OFF	ON				
	9	ON	OFF	OFF	ON				
	A	OFF	ON	OFF	ON				
	B (Hardest)	ON	ON	OFF	ON				
	C (Easy Auto)	OFF	OFF	ON	ON				
	D (Auto)	ON	OFF	ON	ON				
E (Auto)	OFF	ON	ON	ON					
F (Hard Auto)	ON	ON	ON	ON					
Extra Life	*30k 100k 30k 100k					OFF	OFF	OFF	
	*30k 120k 30k 80k					ON	OFF	OFF	
	*40k 120k 30k 120k					OFF	ON	OFF	
	*30k 100k 100k 30k 80k 80k					ON	ON	OFF	
	*40k 120k 120k 30k 100k 100k					OFF	OFF	ON	
	*30k 30k 120k 120k					ON	OFF	ON	
	*40k 30k					OFF	ON	ON	
	None					ON	ON	ON	
Machine Set	Set 1								OFF
	Set 2								ON
DIP SW2		1	2	3	4	5	6	7	8
Life	1	ON	OFF						
	2	OFF	ON						
	3	OFF	OFF						
	*5	ON	ON						

Bomb Jack

DIP SW1		1	2	3	4	5	6	7	8
Life	3	OFF	OFF						
	4	ON	OFF						
	5	OFF	ON						
	2	ON	ON						
Bird Speed	Easy			OFF	OFF				
	Medium			ON	OFF				
	Hard			OFF	ON				
	Hardest			ON	ON				
Enemy number and speed	Easy					OFF	OFF		
	Medium					ON	OFF		
	Hard					OFF	ON		
	Hardest					ON	ON		
Special Coin	Easy							OFF	
	Hard							ON	

Shao-Lin's Road

DIP SW1		1	2	3	4	5	6	7	8
Life	3	OFF	OFF						
	5	ON	OFF						
	7	OFF	ON						
	2	ON	ON						
Extra Life	30k 70k			OFF	OFF				
	40k 80k			ON	OFF				
	40k			OFF	ON				
	50k			ON	ON				
Difficulty	Easy					OFF	OFF		
	Medium					ON	OFF		
	Hard					OFF	ON		
	Hardest					ON	ON		

King & Balloon

DIP SW1		1	2	3	4	5	6	7	8
Extra Life	10000	OFF	OFF						
	12000	ON	OFF						
	15000	OFF	ON						
	None	ON	ON						
Life	2			OFF					
	3			ON					
Speech	Off				OFF				
	On				ON				

1943

DIP SW1		1	2	3	4	5	6	7	8
Bird Speed	1 (Easiest)	OFF	OFF	OFF	OFF				
	2	ON	OFF	OFF	OFF				
	3	OFF	ON	OFF	OFF				
	4	ON	ON	OFF	OFF				
	5	OFF	OFF	ON	OFF				
	6	ON	OFF	ON	OFF				
	7	OFF	ON	ON	OFF				
	8	ON	ON	ON	OFF				
	9	OFF	OFF	OFF	ON				
	10	ON	OFF	OFF	ON				
	11	OFF	ON	OFF	ON				
	12	ON	ON	OFF	ON				
	13	OFF	OFF	ON	ON				
	14	ON	OFF	ON	ON				
	15	OFF	ON	ON	ON				
	16 (Hardest)	ON	ON	ON	ON				
2 Player Game*	2 Credits					OFF			
	1 Credit					ON			
Allow Continue	Yes						OFF		
	No						ON		

*2 Player mode enabled only in upright and 2-joystick mode

Van-Van Car

DIP SW1		1	2	3	4	5	6	7	8
Extra Life	None	OFF	OFF						
	20k 100k	ON	OFF						
	40k 140k	OFF	ON						
	70k 200k	ON	ON						
Life	3			OFF	OFF				
	4			ON	OFF				
	5			OFF	ON				
	6			ON	ON				

Pacman Plus

DIP SW1		1	2	3	4	5	6	7	8
Life	5	OFF	OFF						
	3	ON	OFF						
	2	OFF	ON						
	1	ON	ON						
Extra Life	None			OFF	OFF				
	20000			ON	OFF				
	15000			OFF	ON				
	10000			ON	ON				
Difficulty	Easy					OFF			
	Hard					ON			
Ghost Name	Normal						OFF		
	Alternate						ON		
Speed	Normal							OFF	
	Fast							ON	

Dig Dug 2

DIP SW1		1	2	3	4	5	6	7	8
Life	3	OFF							
	5	ON							
Extra Life	30k 80k		OFF	OFF					
	30k 100k		ON	OFF					
	30k 120k		OFF	ON					
	30k 150k		ON	ON					
Level Select	Off				OFF				
	On				ON				

Amidar

DIP SW1		1	2	3	4	5	6	7	8
Life	3	OFF	OFF						
	4	ON	OFF						
	5	OFF	ON						
	5	ON	ON						
Extra Life	50k 80k			OFF					
	30k 70k			ON					

Zaxxon

DIP SW1		1	2	3	4	5	6	7	8
Extra Life	10000	OFF	OFF						
	30000	ON	OFF						
	20000	OFF	ON						
	40000	ON	ON						
Life	3			OFF	OFF				
	5			ON	OFF				
	4			OFF	ON				
				ON	ON				