

Game List Specification

60 in 1 Gameboard Manual

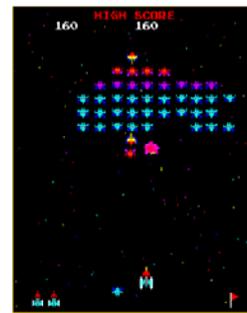
60 games including:-



1942



Frogger



Galaxian



Pacman



Donkey Kong 3



Dig Dug

Operation Manual

TABLE OF CONTENTS

1. PCB DIP SWITCH SETTINGS.....	3
2. SYSTEM SETUP.....	3
3. GAMELIST.....	8
4. GAME DIP SWITCH SETTINGS.....	9

1. PCB DIP SWITCH SETTINGS

DIP SW3		1	2	3	4
Screen Orientation	Normal	OFF			
	Flip screen	ON			
Display Mode (CRT)	CGA-15.75Khz		OFF		
	VGA- 31.5Khz		ON		
High Score Saver	Disabled			OFF	
	Enabled			ON	
System Mode	Normal Mode				OFF
	Test Mode				ON

2. SYSTEM SETUP

2-1 Test Switch

Used for testing of I/O (in/out) devices e.g. buttons, joysticks, and switches.

For user description, refer to maintenance section at end of manual.

2-2 Service Switch

Used for accessing cabinet and game board settings.

To enter and make changes to cabinet or game board settings use one of the following methods.

Method 1. With power off, set DIPSW 3-4 to 'ON'.

Power on, data scrolls on screen. Wait for service screen.

Once service screen test pattern appears, use player 1 buttons and joystick to navigate parameters.

Refer to **System DIPSW Setup for Cabinet and Coin Setup (shown in tables below)**.

Method 2. With power off, press and hold service switch.

Power on, hold switch until data scrolls on screen.

Wait for service screen.

Once service screen test pattern appears, use service and test buttons to navigate parameters.

Refer to **System DIPSW Setup for Cabinet and Coin Setup (shown in tables below)**.

2-3 Saving Parameters

To save parameters as selected, press P1 (Player 1) button.

“Setup” appears briefly on screen, followed by “Setup OK” when changed successfully.

Switch machine off, reset DIPSW 3-4 (if used) to 'OFF'.

Switch on Machine after approximately 1 minute. Games are ready to play.

2-4 Save High Score function

To set high score saver, set DIPSW 3-3 to “ON”.

To clear high scores, enter service mode, next page (High Score Saver page) and press P1

+ S1 to clear scores.

System DIPSW Setup for Coin Operation Player 1

DIPSW1		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				
	2coin 1 credit	OFF	OFF	ON	OFF				
	2coin 2 credit	ON	OFF	ON	OFF				
	2coin 3 credit	OFF	ON	ON	OFF				
	2coin 4 credit	ON	OFF	ON	OFF				
	3coin 1 credit	OFF	OFF	OFF	ON				
	3coin 2 credit	ON	ON	OFF	ON				
	3coin 3 credit	OFF	ON	OFF	ON				
	3coin 4 credit	ON	ON	OFF	ON				
	4coin 1 credit	OFF	OFF	ON	ON				
	4coin 2 credit	ON	OFF	ON	ON				
	4coin 3 credit	OFF	ON	ON	ON				
	4coin 4 credit	ON	ON	ON	ON				

System DIPSW Setup for Coin Operation Player 2

DIPSW1		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

System DIPSW Setup for Cabinet Settings

DIPSW2									
Demo Music	Yes	OFF							
	No	ON							
Game Demo Sound	No		OFF						
	Yes		ON						
Free Play	No			OFF					
	Yes			ON					
Cabinet	Upright/1 control				OFF	OFF			
	Cocktail				ON	OFF			
	Upright/2 control				OFF	ON			
	Cocktail				ON	ON			

Trackball Orientation	Normal						OFF	
	Exchange X/Y						ON	
Trackball Signals	Normal						OFF	
	Exchange DIRCLK						ON	

2-5 Volume Adjust

There are two methods to adjust the volume.

Method 1.

On the gameboard PCB locate the orange VR1 (variable resistor 1).

Use a small Phillips head shaped screwdriver to adjust up and down as required.

Method 2.

Use method 1 to set PCB board VR1 volume control to 50%.

The last two pages of the game DIPSW settings are **Volume Adjust** and **I/O Test**. You may adjust audio and volume or diagnose PCB I/O status at these two pages.

For the system test mode, only **Screen Test** and **I/O Test** pages are included

Part Side		Solder Side	
GND	1	1	GND
GND	2	2	GND
+5V	3	3	+5V
+5V	4	4	+5V
	5	5	
+12	6	6	+12
	7	7	
1P COIN METER	8	8	2P COIN METER
	9	9	
SPEAKER +	10	10	SPEAKER -
	11	11	
VIDEO R	12	12	VIDEO G
VIDEO B	13	13	VIDEO SYNC
GND	14	14	SERVICE
TEST	15	15	
1P-COIN	16	16	2P-COIN
1P-START	17	17	2P-START
1P-UP	18	18	2P-UP TRACKBALL1 Y-DIR
1P-DOWN	19	19	2P-DOWN TRACKBALL1 Y-CLICK
1P-LEFT	20	20	2P-LEFT TRACKBALL1 X-DIR
1P-RIGHT	21	21	2P-RIGHT TRACKBALL1 X CLICK
1P-S1	22	22	2P-S1
1P-S2	23	23	2P-S2
1P-S3	24	24	2P-S3
	25	25	
	26	26	
GND	27	27	GND
GND	28	28	GND

PS: 1. The PCB voltage of +5v pin CAN NOT exceed +5.5V.

2. A trackball may be used on the player 2 inputs when the cabinet is set to “upright/1 control” mode

3. GAMELIST

1942	Millipede
1943	Moon Cresta
1943 Kai	Mr Do
Amidar	Mr Do's Castle
Arkanoid	Ms Pacman
Bomb Jack	Ms pacman 2
Burger Time	New Rally X
Centipede	Pacman
Congo Bongo	Pacman 2
Crush Roller	Pacman Plus
Dig Dug	Pacman plus 2
Dig Dug 2	Pengo
Donkey Kong	Phoenix
Donkey Kong Junior	Pinball Action
Donkey Kong 3	Pleiads
Frogger	Pooyan
Galaga	Qix
Galaga 2	Scramble
Galaga3	Shao-Lin's Road
Galaxian	Space Invaders
Gun Smoke	Space Panic
Gyruss	Super Breakout
Hustler	Super Cobra
Jr Pacman	Super Pacman
Jr pacman 2	Tank Battalion
Jumping Jack	The End
Juno Frist	Time Pilot
King & Balloon	Van-Van Car
Ladybug	Xevious
Mappy	Zaxxon

4. GAME DIP SWITCH SETTINGS.

Ms Pacman DIPSW Setup

DIPSW 1		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			
Speed	Normal						OFF		
	Fast						ON		
Ms Pacman Bean	Dot							OFF	
	Heart							ON	

Galaga DIPSW Setup

DIPSW 1		1	2	3	4	5	6	7	8
difficulty	Easy	OFF	OFF						
	Hardest	ON	OFF						
	Hard	OFF	ON						
	Medium	ON	ON						
Continuous shooting	NO			OFF					
	Yes			ON					
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 (cont)	5(Bonus2)							OFF	OFF
	3(Bonus1)							ON	OFF
	4(Bonus1)							OFF	ON
	2(Bonus1)							ON	ON

DIPSW2		1	2	3	4	5	6	7	8
Bullet Speed	Normal	ON							
	Fast	OFF							

Frogger DIPSW Setup

DIPSW3		1	2	3	4	5	6	7	8
Life	3	OFF	OFF						
	7	ON	OFF						
	5	OFF	ON						
	5	ON	ON						

Donkey Kong DIPSW Setup

DIPSW1		1	2	3	4	5	6	7	8
Life	3	OFF	OFF						
	4	ON	OFF						
	5	OFF	ON						
	6	ON	ON						
Extra Life	7000			OFF	OFF				
	10000			ON	OFF				
	15000			OFF	ON				
	20000			ON	ON				

Donkey Kong jUNIOR DIPSW Setup

DIPSW1		1	2	3	4	5	6	7	8
Life	3	OFF	OFF						
	4	ON	OFF						
	5	OFF	ON						
	6	ON	ON						
Extra Life	7000			OFF	OFF				
	10000			ON	OFF				
	15000			OFF	ON				
	20000			ON	ON				

Donkey Kong 3 DIPSW Setup

DIPSW1		1	2	3	4	5	6	7	8
Life	3	OFF	OFF						
	4	ON	OFF						

	5	OFF	ON						
	6	ON	ON						
Extra Life	30000			OFF	OFF				
	40000			ON	OFF				
	50000			OFF	ON				
	None			ON	ON				
Additional Bonus	30000					OFF	OFF		
	40000					ON	OFF		
	50000					OFF	ON		
	None					ON	ON		
Difficulty	Easy							OFF	OFF
	Medium							ON	OFF
	Hard							OFF	ON
	Hardest							ON	ON

Galaxian DIPSW Setup

		1	2	3	4	5	6	7	8
Extra Life	7000	OFF	OFF						
	10000	ON	OFF						
	12000	OFF	ON						
	20000	ON	ON						
Life	2			OFF					
	3			ON					

Dig Dug DIPSW Setup

DIPSW1		1	2	3	4	5	6	7	8
Continue	NO	OFF							
	Yes	ON							
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	3							OFF	OFF
	5							ON	OFF
	1							OFF	ON
	2							ON	ON

Crush Roller DIPSW Setup

DIPSW1		1	2	3	4	5	6	7	8
Life	3	OFF	OFF						
	4	ON	OFF						
	5	OFF	ON						
	6	ON	ON						
Difficulty	Easy			OFF					
	Hardest			ON					

Mr Do DIPSW Setup

DIPSW1		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	3					OFF	OFF		
	4					ON	OFF		
	5					OFF	ON		
	2					ON	ON		

Space Invaders DIPSW Setup

DIPSW1		1	2	3	4	5	6	7	8
Life	3	OFF	OFF						
	4	ON	OFF						
	5	OFF	ON						
	6	ON	ON						
Extra Life	1500			OFF					
	1000			ON					

Mode	Color				OFF				
	B&W				ON				

Pacman DIPSW Setup

DIPSW1		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	

Galaga 3 DIPSW Setup

DIPSW1		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				OFF	OFF			
	3				ON	OFF			
	4				OFF	ON			
	5				ON	ON			
Extra Life	100k 300k 600k						OFF	OFF	OFF
	150k 400k						ON	OFF	OFF
	50k 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 DIPSW Setup

DIPSW 1		1	2	3	4	5	6	7	8
Life	3	OFF	OFF						
	2	ON	OFF						
	4	OFF	ON						
	5	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 - Average				ON	ON	OFF		
	5				OFF	OFF	ON		
	6				ON	OFF	ON		
	7				OFF	ON	ON		
	8 - Hardest				ON	ON	ON		

Tank Battalion DIPSW Setup

DIPSW 1		1	2	3	4	5	6	7	8
Extra Life	None	OFF	OFF						
	20000	ON	OFF						
	15000	OFF	ON						
	10000	ON	ON						
Life	2			OFF					
	3			ON					

1942 DIPSW Setup

DIPSW 1		1	2	3	4	5	6	7	8
Extra Life	20k 80k	OFF	OFF						
	30k 100k	ON	OFF						
	30k 80k	OFF	ON						
	30k 100k	ON	ON						
Life	3			OFF	OFF				
	1			ON	OFF				

	2			OFF	ON				
	5			ON	ON				
Difficulty	Normal					OFF	OFF		
	Easy					ON	OFF		
	Hard					OFF	ON		
	Hardest					ON	ON		

Ladybug DIPSW Setup

DIPSW1		1	2	3	4	5	6	7	8
Difficulty	Easy	OFF	OFF						
	Medium	ON	OFF						
	Hard	OFF	ON						
	Hardest	ON	ON						
High Score Names	10 letters			OFF					
	3 Letters			ON					
Life	3				OFF				
	5				ON				

Burger Time DIPSW Setup

DIPSW 1		1	2	3	4	5	6	7	8
Life	3	OFF							
	5	ON							
Extra Life	10000		OFF	OFF					
	15000		ON	OFF					
	20000		OFF	ON					
	30000		ON	ON					
Enemies	4				OFF				
	6				ON				
End of Level Pepper	No					OFF			
	Yes					ON			

Mappy DIPSW Setup

DIPSW1		1	2	3	4	5	6	7	8
Life	3	OFF	OFF						
	*5	ON	OFF						
	1	OFF	ON						
	2	ON	ON						
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			
	*30 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 DIPSW Setup

DIPSW1		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	10000					OFF	OFF		
	12000					ON	OFF		
	15000					OFF	ON		
	20000					ON	ON		
Difficulty	Easy							OFF	
	Hard							ON	
Move Speed	Normal								OFF
	Fast								ON

Millipede DIPSW Setup

DIPSW1		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	12000					OFF	OFF		
	15000					ON	OFF		
	20000					OFF	ON		
	None					ON	ON		
Spider	Easy							OFF	
	Hard							ON	
Starting Score Select	No								OFF
	Yes								ON

DIPSW2		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 2 x			OFF	ON				
	0 1x 2x 3x			ON	ON				
Move Speed	Normal					OFF			
	Fast					ON			

JR Pacman DIPSW Setup

DIPSW1		1	2	3	4	5	6	7	8
Life	1	OFF	OFF						
	2	ON	OFF						
	3	OFF	ON						
	5	ON	ON						
Extra Life	10000			OFF	OFF				
	15000			ON	OFF				

	20000			OFF	ON				
	30000			ON	ON				
Difficulty	Normal					OFF			
	Hard					ON			
Speed	Normal						OFF		
	Fast						ON		

Pengo DIPSW Setup

DIPSW1		1	2	3	4	5	6	7	8
Extra Life	50000	OFF							
	30000	ON							
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			
Machine Set	Set1						OFF		
	Set2						ON		

Phoenix DIPSW Setup

DIPSW1		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 DIPSW Setup

DIPSW1		1	2	3	4	5	6	7	8
Life	3	OFF	OFF						
	4	ON	OFF						
	5	OFF	ON						
	5	ON	ON						
Extra Life	10k 50k			OFF					
	20k 60k			ON					
Difficulty	1 - Easy				OFF	OFF	OFF		
	2				ON	OFF	OFF		
	3				OFF	ON	OFF		
	4 - Average				ON	ON	OFF		
	5				OFF	OFF	ON		
	6				ON	OFF	ON		
	7				OFF	ON	ON		
	8 - Hardest				ON	ON	ON		

Super Cobra DIPSW Setup

DIPSW1		1	2	3	4	5	6	7	8
Continue	Yes	OFF							
	No	ON							
Life	4		OFF						
	3		ON						

Hustler DIPSW Setup

DIPSW1		1	2	3	4	5	6	7	8
Life	1	OFF							
	2	ON							

SPACE PANIC DIPSW Setup

DIPSW1		1	2	3	4	5	6	7	8
Extra Life	3000	OFF							
	5000	ON							
Life	4		OFF						
	3		ON						

Super Breakout DIPSW Setup

DIPSW1		1	2	3	4	5	6	7	8
Mode	Color	OFF							
	B&W	ON							
Life	3		OFF						
	5		ON						
Move Speed	Medium			OFF	OFF				
	Slow			ON	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	

*Note : P:Progressive C:Cavity D:Double

S1 Button : Select Progressive

S2 Button : Select Cavity

S3 Button : Select Double

New Rally X DIPSW Setup

DIPSW1		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/120k 4 cars 40k	OFF	ON						
	3 cars 20k/100k 4 cars 40k	ON	ON						
Life	3			OFF					
	4			ON					

Arkanoid DIPSW Setup

DIPSW1		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				
Move Speed	Normal					OFF	OFF		
	Slow					ON	OFF		
	Fast					OFF	ON		
	Very Fast					ON	ON		

Qix DIPSW Setup

DIPSW1		1	2	3	4	5	6	7	8
Life	5	OFF	OFF						
	4	ON	OFF						
	3	OFF	ON						
	2	ON	ON						
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	60						OFF	OFF	OFF
	55						ON	OFF	OFF
	50						OFF	ON	OFF
	45						ON	ON	OFF
	40						OFF	OFF	ON
	35						ON	OFF	ON
	30						OFF	ON	ON
	25						ON	ON	ON

Juno First DIPSW Setup

DIPSW1		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 DIPSW Setup

DIPSW1		1	2	3	4	5	6	7	8
Life	3	OFF	OFF						
	1	ON	OFF						
	2	OFF	ON						
	5	ON	ON						
Flags Award Bonus Life	Yes			OFF					
	No			ON					
Difficulty	Normal				OFF	OFF			
	Easy				ON	OFF			
	Hard				OFF	ON			
	Hardest				ON	ON			
Extra Life							OFF	OFF	OFF
							ON	OFF	OFF
							OFF	ON	OFF
							ON	ON	OFF
							OFF	OFF	ON
							ON	OFF	ON
							OFF	ON	ON
							ON	ON	ON

DIPSW2		1	2	3	4	5	6	7	8
Machine Set	Set1	OFF	OFF						
	Set2	ON	OFF						
	Set3	OFF	ON						

	Super Xevious	ON	ON						
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Mr. Do's Castle DIPSW Setup

DIPSW1		1	2	3	4	5	6	7	8
Difficulty	Easy	OFF	OFF						
	Medium	ON	OFF						
	Hard	OFF	ON						
	Hardest	ON	ON						
Machine Set	Set1			OFF					
	Set2			ON					
Advanced level on Getting Diamand	Off				OFF				
	On				ON				
Extra Life	Easy					OFF			
	Hard					ON			
	3						OFF	OFF	
	4						ON	OFF	
	5						OFF	ON	
	2						ON	ON	

Moon Cresta DIPSW Setup

DIPSW1		1	2	3	4	5	6	7	8
Extra Life	30000	OFF							
	50000	ON							
Machine Set	Set 1		OFF						
	Set 2		ON						

Pinball Action DIPSW Setup

DIPSW1		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	3					OFF	OFF		
	4					ON	OFF		
	5					OFF	ON		
	2					ON	ON		

Pinball action (cont)

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

DIPSW2		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 (Flippers)	Easy					OFF	OFF		
	Medium					ON	OFF		
	Hard					OFF	ON		
	Hardest					ON	ON		
Difficulty (Outlans)	Easiest							OFF	OFF
	Medium							ON	OFF
	Hard							OFF	ON
	Hardest							ON	ON

Scramble DIPSW Setup

DIPSW1		1	2	3	4	5	6	7	8
Life	3	OFF	OFF						
	4	ON	OFF						
	5	OFF	ON						
	2	ON	ON						
Machine Set	Set 1			OFF					
	Set 2			ON					

Super Pacman DIPSW Setup

DIPSW1		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 120k 30k 80k 80k					ON	ON	OFF	
	30k 100k 100k 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

DIPSW2		1	2	3	4	5	6	7	8
Life	3	OFF	OFF						
	1	ON	OFF						
	2	OFF	ON						
	5	ON	ON						

Bomb Jack DIPSW Setup

DIPSW1		1	2	3	4	5	6	7	8
Life	3	OFF	OFF						
	4	ON	OFF						
	5	OFF	ON						
	2	ON	ON						
Bied Speed	Easy			OFF	OFF				
	Medium			ON	OFF				
	Hard			OFF	ON				
	Hardest			ON	ON				
Enemies 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 DIPSW Setup

DIPSW1		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 DIPSW Setup

DIPSW1		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 DIPSW Setup

DIPSW1		1	2	3	4	5	6	7	8
Difficulty	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 Players Game	2 credits					OFF			
	1 credit					ON			
Allow Continue	Yes						OFF		
	No						ON		

Van-Van Car DIPSW Setup

DIPSW1		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 DIPSW Setup

DIPSW1		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 DIPSW Setup

DIPSW1		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 DIPSW Setup

DIPSW1		1	2	3	4	5	6	7	8
Life	3	OFF	OFF						
	4	ON	OFF						
	5	OFF	ON						
	5	ON	ON						
Extra Life	30k 80k			OFF					
	30k 70k			ON					

Zaxxon DIPSW Setup

DIPSW1		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				

Pooyan DIPSW Setup

DIPSW1		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					
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		

Pleiads DIPSW Setup

DIPSW1									
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				

Gun Smoke DIPSW Setup

DIPSW1		1	2	3	4	5	6	7	8
Extra Life	30k 100k 100k	OFF	OFF						
	30k 100k	ON	OFF						
	30k 80k 80k	OFF	ON						
	30k 100k 150k	ON	ON						
Difficulty	Easy			OFF	OFF				
	Normal			ON	OFF				
	Hard			OFF	ON				
	Hardest			ON	ON				
Allow Continue	Yes					OFF			
	No					ON			
Mode	3 buttons						OFF		
	1 buttons						ON		

The End DIPSW Setup

DIPSW1		1	2	3	4	5	6	7	8
Life	3	OFF	OFF						
	4	ON	OFF						
	5	OFF	ON						
	5	ON	ON						

1943 Kai DIPSW Setup

DIPSW1		1	2	3	4	5	6	7	8
Difficulty	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	ON	ON	ON	ON				
*2 Players Game	2 credits					OFF			
	1 credit					ON			
Allow Continue	yes						OFF		
	no						ON		

* 2 players mode is enabled only in "upright/2 controls" mode

Congo Bongo DIPSW Setup

DIPSW1		1	2	3	4	5	6	7	8
Extra Life	10k	OFF	OFF						
	20k	ON	OFF						
	30k	OFF	ON						
	40k	ON	ON						
Difficulty	Easy			OFF	OFF				
	Medium			ON	OFF				
	Hard			OFF	ON				
	Hardest			ON	ON				
Life	3					OFF	OFF		
	4					ON	OFF		
	5					OFF	ON		
	3					ON	ON		

Jumping Jack DIPSW setup

DIPSW1		1	2	3	4	5	6	7	8
Difficulty	Easy	OFF	OFF						
	Normal	ON	OFF						
	Hard	OFF	ON						
	Hardest	ON	ON						
Extra Life	Easy			OFF					
	Hard			ON					
Life	3				OFF	OFF			
	4				ON	OFF			
	5				OFF	ON			
	2				ON	ON			