



**Kurz-Kasch, Inc.**

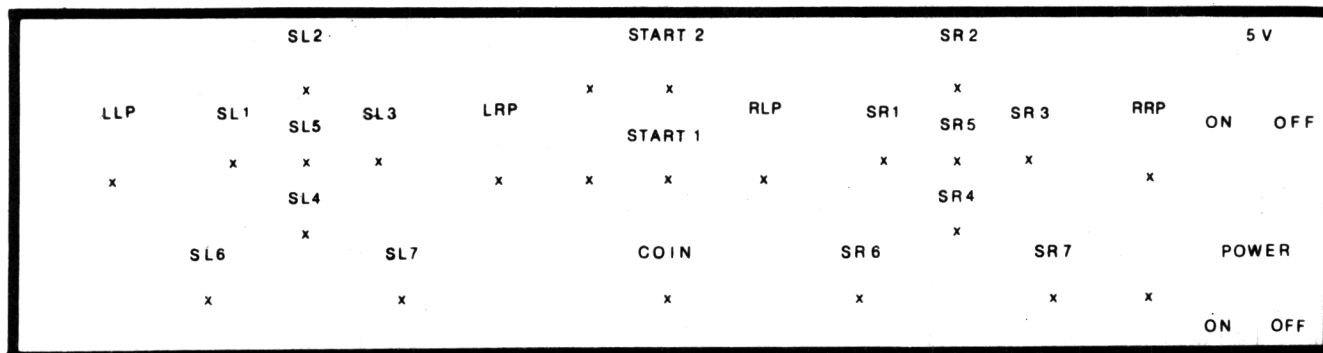
Electronics Division  
Box 1246  
2876 Culver Ave.  
Dayton, Ohio 45401  
Telephone (513) 296-0330

# Operating Instructions

## For Model 102 A

QUADRAPONG

Atari



1. Insert 102A card into program "A" connector, number side up.
2. Insert computer board into test fixture using 22 pin orientation.
3. Push power switch to on.
4. Coin (push once for 2 players) switch select on PCB in 2 player mode.
5. Coin (push twice for 4 players)
6. Push start 1 (2 or 4 players)
7. LLP - left vertical paddle control
8. RRP - right vertical paddle control
9. LRP - bottom horizontal paddle control
10. RLP - top horizontal paddle control



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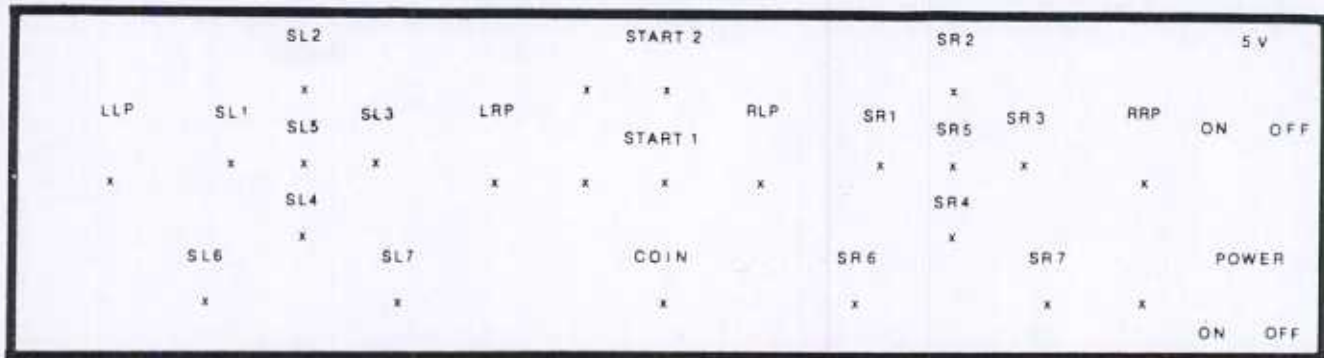
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## Operating Instructions

For Model 103A

SPACE RACE/ASTROID

Atari/Midway



1. Insert 103A card into program "A" connector, number side up.
2. Insert computer board into test fixture, using 22 pin orientation.
3. Turn power switch to on.
4. Push coin switch once, credit LED will come on.
5. Push coin switch once to start game.
6. SL2 - controls vertical up movement of left space ship.  
SL4 - controls vertical down movement left of space ship.  
SR2 - controls vertical up movement of right space ship.  
SR4 - controls vertical down movement of right space ship.



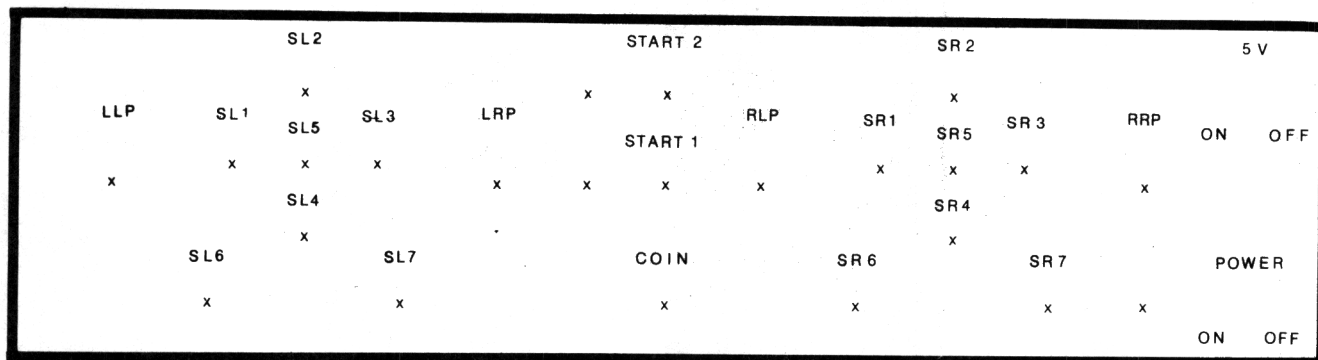
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# Operating Instructions For Model 104 A

GOTCHA

Atari



1. Insert program card with number facing you in slots A or B, as marked.

2. Power on

3. Coin

4. Start 1

5. Character Movement (square)

UP - SR2  
DOWN - SR4  
RIGHT - SR3  
LEFT - SR1

6. Character Movement (cross)

UP - SL2  
DOWN - SL4  
RIGHT - SL3  
LEFT - SL1



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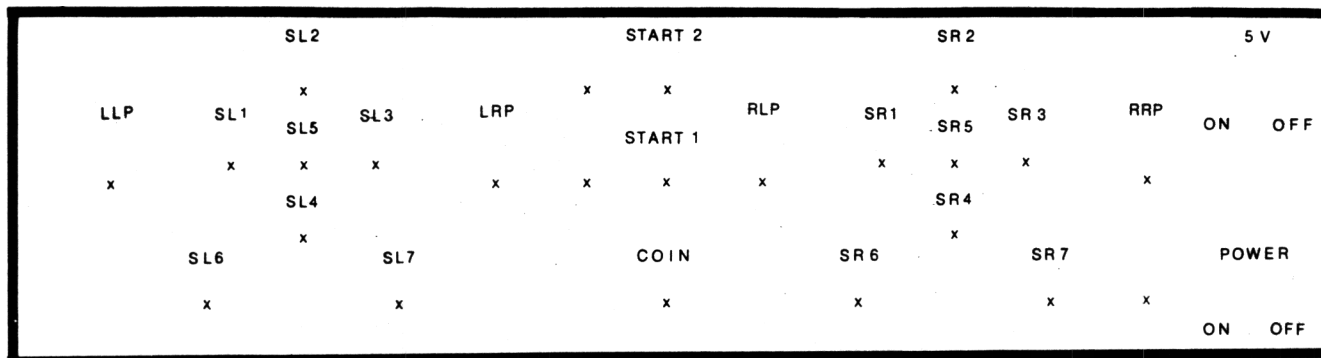
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# Operating Instructions

## For Model 107 B, 107 C

TV PING PONG

CD I

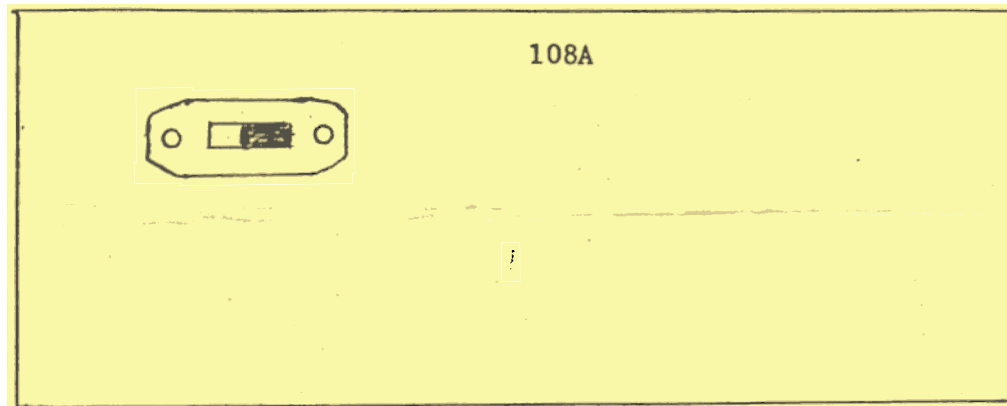


1. Insert 107 B card into program "B" connector with number side up.
2. Insert 107 C adapter card into test fixture.
3. Insert computer board into 107 C adapter card.
4. Push coin switch to start game.
5. LLP is left paddle.  
RRP is right paddle.

108-Knockout 474-574  
Game Select Mod

108 card built previous to 7/13/76

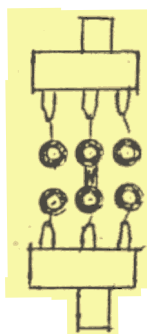
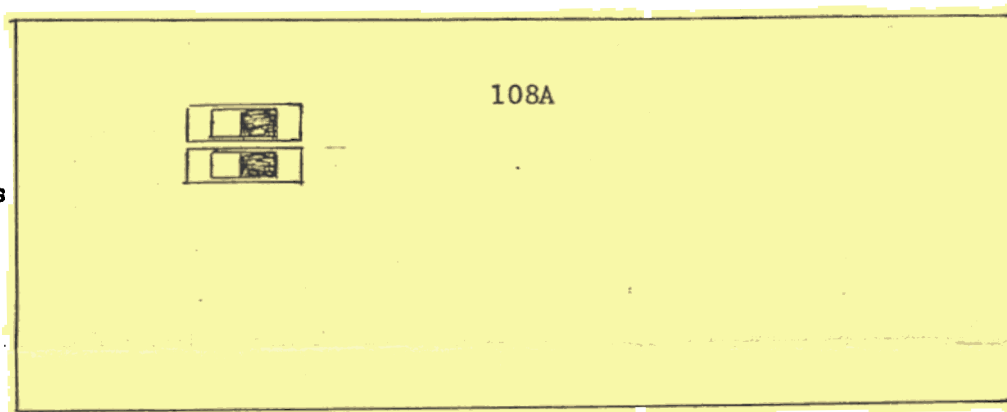
Original  
PC Board



MUST BE PERFORMED FOR PROPER OPERATION OF THE 108 CARD SET.

Modified  
PC Card

Remove old  
switch and  
add 2 new switches



Hole pattern  
on PC board

Connect to holes as shown



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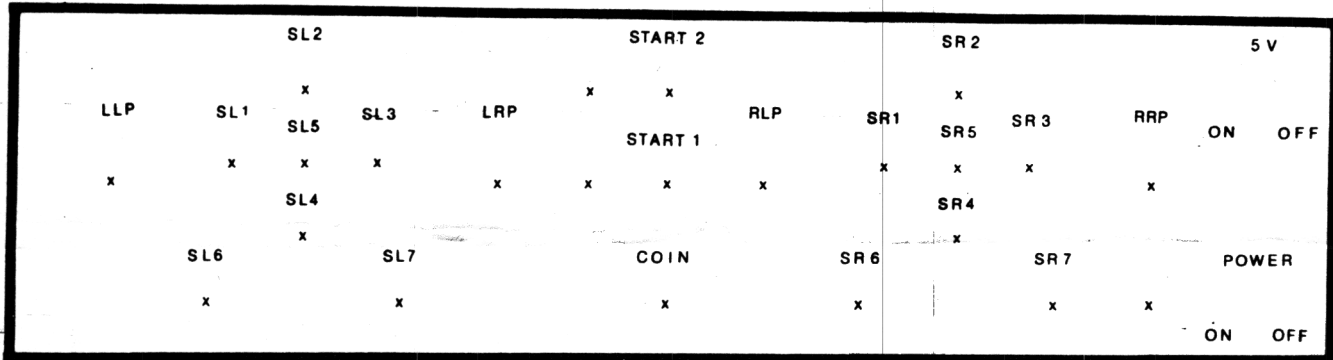
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# Operating Instructions

## For Model 108 A

DUAL - KNOCKOUT

Digital Games



1. Insert program card with number facing you in slots A or B, as marked.
2. Power on
3. Coin (once for 2 players - twice for 4 players)
4. Game select switches are on 108A card  
Top switch is player against machine, push to left.  
Lower switch is player against player, push to left.  
NOTE: Use only one switch at a time.
5. Push START (1) once.
6. LLP - left-left paddle control
7. LRP - left-right paddle control
8. RLP - right-left paddle control
9. RRP - right-right paddle control



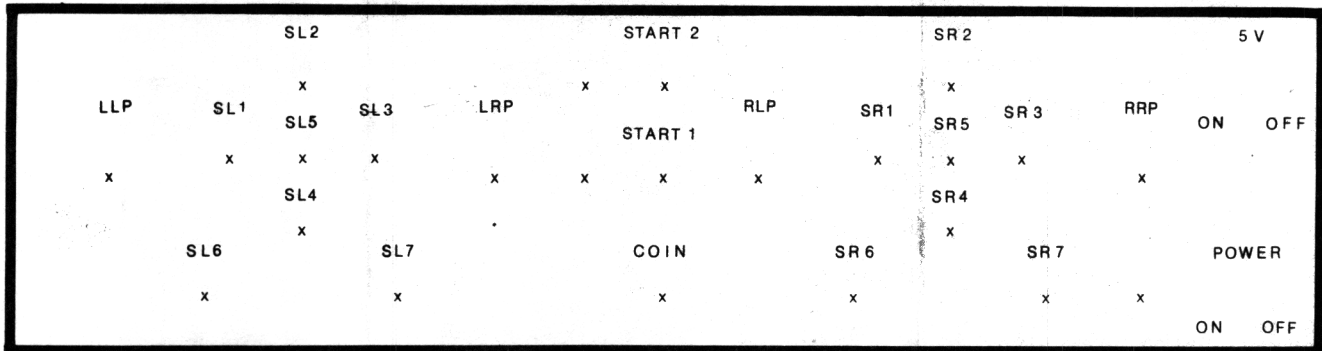
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# Operating Instructions For Model 108 A

DUAL - KNOCKOUT

Digital Games



1. Insert program card with number facing you in slots A or B, as marked.
2. Power on
3. Coin (once for 2 players - twice for 4 players)
4. Start 1
5. LLP - left-left paddle control
6. LRP - left-right paddle control
7. RLP - right-left paddle control
8. RRP - right-right paddle control
9. Switch 1 on program card is for game selection





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# Operating Instructions For Model

109 A, 109 B

WINNER IV

Midway

SL2				START 2				SR2				5 V	
LLP	SL1	x	SL3	LRP	x	x	RLP	SR1	x	SR3	RRP	ON	OFF
		SL5				START 1			SR5				
x	x	x	x	x	x	x	x	x	x	x	x		
		SL4							SR4				
		x							x				
	SL6		SL7			COIN		SR6		SR7		POWER	
	x		x			x		x		x	x	ON	OFF

1. Insert Program Card 109 A into Program "A" connector  
Insert Program Card 109 B into Program "B" connector
2. Insert board to be tested into test fixture using 24 pin orientation
3. Turn power switch on
4. Push coin switch once for 2 player  
Push coin switch twice for 4 player
5. Push start 1 switch once
6. LLP is left paddle  
RRP is right paddle  
LRP is left right paddle  
RLP is right left paddle





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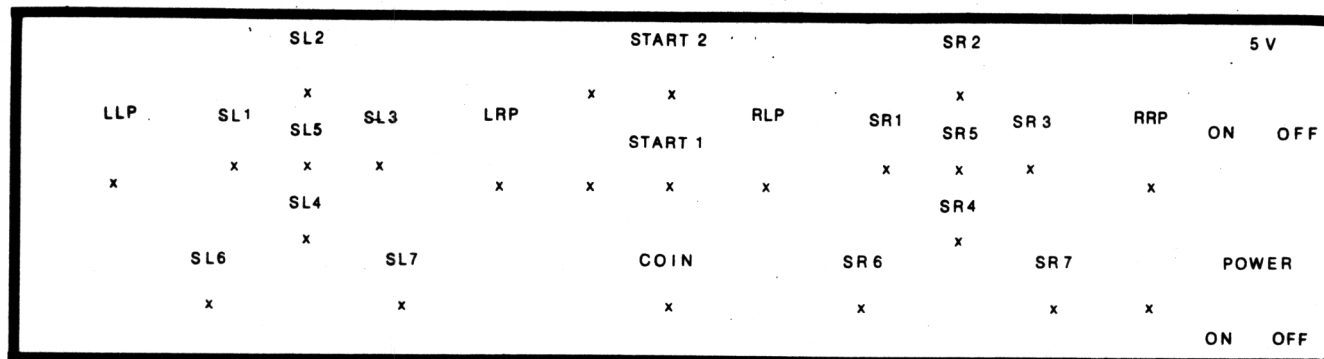
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# Operating Instructions

## For Model 110 A, 110 B

LEADER/WIPEOUT

Midway/Ramtek



1. Insert 110 A card into program "A" connector, number side up.
2. Insert 110 B card into Program "B" connector, number side up.
3. Insert computer board into 25 pin connector orienting board to left side.
4. Push coin switch once for 2 player, twice for 4 player.
5. Push start 1 switch once.
6. LLP is vertical paddles for 2 player game  
RLP is horizontal paddles for 2 player game
7. LLP is left paddle for 4 player game  
RRP is right paddle for 4 player game  
LRP is bottom paddle for 4 player game  
RLP is top paddle for 4 player game
8. Switch on 110 A card is 5 or 7 score selector  
2 ply is 2 play lite  
4 ply is 4 play lite  
GO is game over lite



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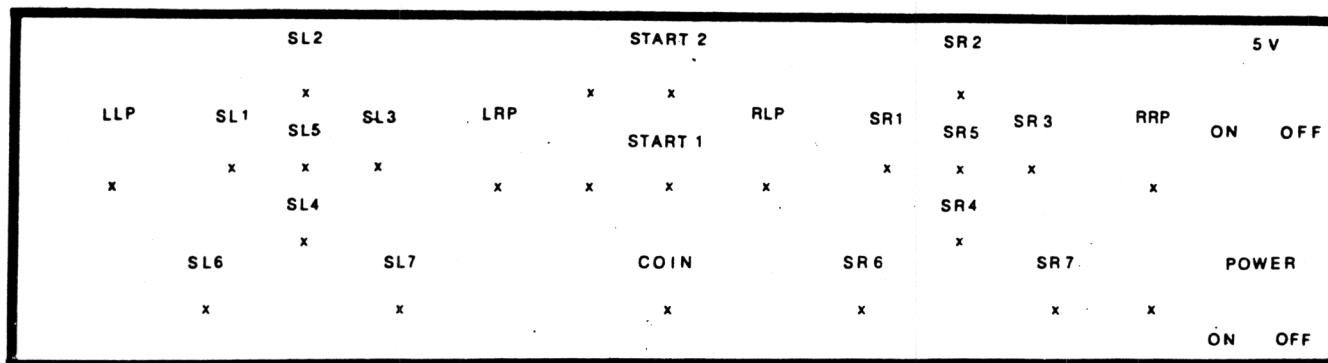
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# Operating Instructions

## For Model 114 A, B

AZTEC HOCKEY

PMC



1. Insert 114 A card into program "A" connector, number side up.
2. Insert 114 B card into program "B" connector, number side up.
3. Insert computer board into test fixture using 22 pin orientation.
4. Push POWER switch to ON.
5. Push 5 VOLT switch to ON.
6. Push COIN switch once for 2 players, twice for 4 players.
7. Push START 1 switch once.
8. LLP is left left paddle.  
LRP is left right paddle.  
RLP is right left paddle.  
RRP is right right paddle.
9. GO is game over LED on 114 A program card.
10. START 2 is TILT switch.



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# Operating Instructions

## For Model

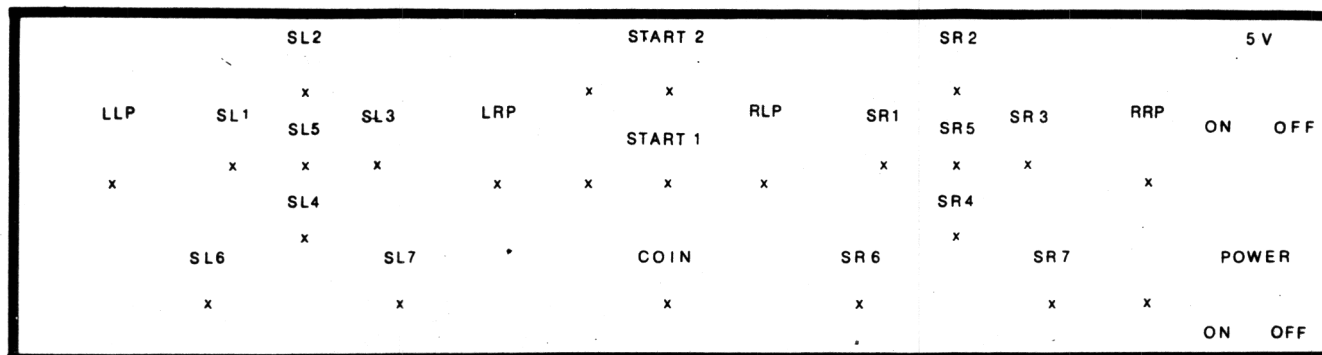
116 A

PADDLE BALL &

TEAM HOCKEY

Williams

Amutronics



1. Insert 116 A card into program "A" connector, numbers side up.
2. Insert computer board into test fixture using 22 pin orientation.
3. Turn power switch on.
4. Turn 5 volt internal switch on.
5. Push coin switch once for 1 player, twice for 2 players.
6. Push start once.
7. RRP is right paddle — Paddle Ball  
LLP is left paddle — Paddle Ball  
RLP is right left paddle  
LRP is left right paddle

p.s.

POUR QUE LE PROGRAMME FONCTIONNE, IL FAUT AJOUTER UNE PRISE DE TERRE ("GROUND") A L'ENTREE # 15.