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   WIRING DIAGRAM FOR ATOMISWAVE GAME CABINET
   WIRING DIAGRAM FOR DRIVING GAME CONTROL
1. SPECIFICATIONS OF CABINET

25" UPRIGHT CABINET WITH BENCH

INPUT POWER: USA & CANADA = 120VAC, 60Hz
SIZE: W = 30" (762 mm)
D = 62" (1575 mm)
H = 77" (1956 mm)
WEIGHT: 360 lbs (164 kg)

Marquee, Faster than Speed
Part#: 78-30-100

Speaker, 8 ohm 15W
Part#: 99-60-601

25" Monitor Assy
Part#: 99-60-701

Instruction Decal Sheet
FTS
Part#: 78-30-210

RED Push Button Assy
Part#: 99-50-001

Start & View Change
Decal, 25"UR
Part#: 56-30-162

Side Decal,
Left, Part#: 99-30-200
Right, Part#: 99-30-201

Pedal Assy
Part#: 56-50-650

Steering Wheel / Buttons-Motor
Part#: 78-50-502

High-Low Shift Assy
Part#: 56-50-600

Dash Board, Plastic
Part#: 56-70-495

Bench Seat, Plastic
Part#: 56-70-494
INSIDE VIEW OF CONTROL PANEL & INSTRUCTION PANEL

- Game Cartridge
  - Faster than Speed
  - Part#: 78-90-850
- LAN (Communication) Cartridge
  - Part#: 99-20-006
- Expansion I/O Cartridge
  - Part#: 99-20-005
- Main PCB, Atomiswave
  - Part#: 99-10-010
- Remote Controller for Monitor
- Connector Bracket
- Driving game harness
  - Part#: 78-60-691

STEERING WHEEL ASSY

- Pot, 5K, Steering Wheel
  - Part#: 56-50-555
- Feedback Motor
  - Part#: 56-60-300
- Belt, Feedback
  - Part#: 56-70-911
27" SITDOWN CABINET

INPUT POWER: USA & CANADA = 120VAC, 60Hz
SIZE: W = 30" (762 mm)
    D = 64" (1626 mm)
    H = 78" (1980 mm)
WEIGHT: 460 lbs (209 kg)

Speaker
Part#: 99-60-601

Side Decal, FTS, Sitdown
Left, Part#: 78-30-200
Right, Part#: 78-30-201

27" TV Monitor Assy
Part#: 99-60-704

Decal Speedometer
FTS, Sitdown
Part#: 78-30-204

Decal, Start / View
FTS, Sitdown
Part#: 78-30-203

RED Push Button
Part#: 99-50-001

Dual Pedal Assy, sitdown
Part#: 56-50-651

Marquee, Silk screen plexi
Faster than Speed
Part#: 78-30-101

Steering Wheel
w/ buttons-Motor
Part#: 78-50-502

High-Low Shift Assy
Part#: 56-50-600

Decal Shift, FTS
Sit-down
Part#: 78-30-202

Seat lime green
for Sitedown
Part#: 78-50-558
INSIDE VIEW OF BACK DOOR (SITDOWN)

- LAN cable (Option)
  - New Driving harness set
    - Part#: 78-60-691
- Motor Driver Board
  - 24VDC IN
    - Part#: 99-20-176

- Main PCB, Atomiswave
  - Part#: 99-10-010
- Dual Pedal Assy, Sitdown
  - Part#: 56-50-651
- Power Supply, AW MS
  - Part#: 56-60-100
- Router (Option)
  - Use for 2 game link.

INSIDE VIEW OF COIN DOOR (SITDOWN)

- Remote Controller for Monitor
- Mars DBA AE2451 (OPTION)
- Coin-in counter meter
- Test & Service Switch Bracket
2. GAME PLAY

FASTER THAN SPEED game is a Head-to-Head Competition Driving game with Street Racing cars. There are GREAT skill factors that you will need to win a race! Play more to find out many of these features. (NITRO BOOST, ROCKET START, 180 TURN, DRIFT THRU TURN, QUICK SHIFT, HIDDEN CARS, SEMI-AUTO SHIFT...and more~)

FEATURES:
- Each area has 2 races. If you win the 1st race, you will receive a hidden car.
- Enter your initials when your Lap time is in the Top 8.

SINGLE PLAY (Refer to page 9 for Settings)

Single cabinet play. No link. Player races against CPU car.
1) Select COURSE, 6 areas as below.
   BEGINNER (SUNNYWOOD): Difficulty Level = EASIEST
   NOVICE (METRO CITY): Difficulty Level = EASY
   ADVANCED (NEON HILLS): Difficulty Level = NORMAL
   EXPERT (WALL PARK): Difficulty Level = NORMAL
   PRO (SOUTH BEACH): Difficulty Level = HARD
   ACE (PACIFIC BAY): Difficulty Level = HARDER

2) Use steering wheel to select from 8 kinds of cars. Shift up and down to select from 6 colors for car. Use gas pedal for final selection of both car and color.

ALTERNATE PLAY: RACE FOR TIME (Refer to page 9 for Settings)

Single cabinet play. No link. Player races with CPU car or 2 to 4 player Alternate play. (You need to set up GAME MODE to ALTERNATE PLAY in GAME SETTING mode. Refer page 9)

Insert coins and screen shows SINGLE PLAY or ALTERNATE PLAY that needs more credits. Move Shift up down to select but you can not select if there is not enough credits in.

You will score points by RACE LAP TIME and TECHNIQUES during the race. (Boost with jump, Drift thru turn, Rocket start...etc.) Score high to Rank in top 8 then enter your initials!

LINK PLAY (Refer to page 9 for Settings)

2 cabinets link play. 2 PLAYER COMPETITION!!!

1) Screen shows "STAND ALONE" OR "HEAD 2 HEAD."
   NOTE: Opponents can not join from other cabinet, if you select STAND ALONE.

2) Select COURSE. (Only challenger is able to select COURSE.)
GAME SCREEN

① BACK MIRROR
   Check opponents car by using back mirror!

② ELAPSED TIME
   Display your current TIME.

③ N2O GAUGE
   Display availability of N2O boost.

④ TIME LIMIT
   Displays remaining time.

⑤ NAVIGATION MAP
   Displays both cars’ current position.

⑥ SPEEDOMETER
3. GAME SETTING

FASTER THAN SPEED has the following settings. Press TEST switch to display SYSTEM MENU screen. Select CONFIGURATION and next select GAME SETTING. You can adjust the following game settings:

- **GAME MODE**
  3 kinds. (LINKED RACE, SINGLE RACE or ALTERNATE RACE)
  Default is SINGLE RACE.

- **GAME DIFFICULTY**
  5 kinds. (EASIEST, EASY, NORMAL, HARD or HARDEST) Default is EASY.

- **BOOST TYPE**
  Number of times that player can use Boost during game.
  3 kinds. (LEVEL 1 = 2 times; LEVEL 2 = 3 times; or UNLIMITED)
  Default is LEVEL 2.

- **STAGE TYPE**
  2 kinds. (PRE-SET = 1 and 2 stages,
  SELECTABLE = You can select 2nd stage from other area.) Default is PRE-SET.

- **CAR SELECTED**
  6 kinds. (TIME RELEASE, 8, 9, 10, 11 or ALL) Default is TIME RELEASE.
  TIME RELEASE = 8 cars first, one additional car will be added each week up to 12.
  8,9,10,11 = Number of cars that will appear from beginning. No time release.
  ALL = All 12 cars appear from beginning. No time release.

- **RIVAL CAR**
  2 kinds. (RANDOM or PRE-SET = Same opponents car by each area and stage) Default is PRE-SET.

- **VS BOOSTER**
  2 kinds. (ON or OFF) When 2 games in LINK mode, 2nd Place CAR will catch up faster. Default is ON.

- **NAVIGATION MAP**
  2 kinds. (ON or OFF) Display NAVIGATION MAP on left bottom of screen. Default is ON.

- **SPEEDOMETER**
  2 kinds. (MPH or KMH) Default is MPH.

**COIN SETTING:**
FACTORY DEFAULTS for FASTER THAN SPEED (NORTH AMERICAN VERSION)

GAME MODE: NORMAL
COIN CHUTE TYPE: COMMON
PLAYER MODE: 2 PLAYERS
COIN CHUTE #A: 3 COINS 1 CREDIT, 2 COINS CONTINUE
COIN CHUTE #B: 3 COINS 1 CREDIT, 2 COINS CONTINUE
RESET SITUATION: NORMAL

**NOTE:**
During LINK mode (2 games linked), please set up both games to same GAME SETTINGS except LINK ID.
4. I/O TEST (CALIBRATION OF STEERING & PEDALS)

For Steering Wheel & Pedal calibration and other switch function tests, go to TEST MENU and select I/O TEST.

I/O STATUS

You can test START, BOOST buttons and Shift Assy and, other switch devices during this mode. Using the Shift lever displays HIGH or LOW on screen. Press START, BOOST buttons to display ON on screen. Test other switches (Coin A, B, Service, Test) in this screen by manually pressing to display ON.

WHEEL STRENGTH

You can set up strength of Steering Wheel Feedback during this setting. Choose from 4 kinds. (OFF, LIGHT NORMAL and HEAVY)
Default = NORMAL

WHEEL FEEDBACK TEST

You can test Feedback strength during this mode. Please center the wheel before going into this mode.

CONTROL CALIBRATION

You can adjust the calibration of Steering wheel and pedals during this mode. Please center the wheel before going into this mode.

① Turn Steering wheel to Left stop and Right stop.
② Press Accelerator pedal down to stop.
③ Press Brake pedal down to stop.
④ Press START button to complete the calibration.
5. SYSTEM BOARD

DIMENSIONS: 10 2/3" (W) x 9" (D) x 2 1/2" (H)
WEIGHT: 3 lbs

GAME CARTRIDGE

EXPANSION CARTRIDGE SLOT 2 (OPTION)

SPEAKER VOLUME (SOUND)

MODEM CONNECTOR (SRL)

VGA OUTPUT (VDO)

STEREO SPEAKER OUTPUT & SERIAL TERMINAL (CN3)

DIPSW (TV RESOLUTION AND TEST MODE)

JAMMA CONNECTOR

■ EXPANSION CARTRIDGE SLOT 1 (EX. I/O BOARD) CONNECTOR TABLE

CN302: 28 PIN CONNECTOR

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</tr>
<tr>
<td>2</td>
<td>+5VDC</td>
</tr>
<tr>
<td>3</td>
<td>GND</td>
</tr>
<tr>
<td>4</td>
<td>GND</td>
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<td>5</td>
<td>POUT 0</td>
</tr>
<tr>
<td>6</td>
<td>POUT 1</td>
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<td>7</td>
<td>POUT 2</td>
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<td>8</td>
<td>POUT 3</td>
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<td>9</td>
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<td>13</td>
<td>3P GUN</td>
</tr>
<tr>
<td>14</td>
<td>4P GUN</td>
</tr>
<tr>
<td>15</td>
<td>3PPU 1/TRIG</td>
</tr>
<tr>
<td>16</td>
<td>4PPU 1/TRIG</td>
</tr>
<tr>
<td>17</td>
<td>3P START</td>
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<td>18</td>
<td>4P START</td>
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<td>19</td>
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<td>20</td>
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CN303: 8 PIN CONNECTOR

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CN304: 12 PIN CONNECTOR

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</tr>
<tr>
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</tr>
<tr>
<td>8</td>
<td>POUT 7</td>
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11
### JAMMA CONNECTOR TABLE

The other side of PIN1 is "PIN A"

#### JAMMA EDGE CONNECTOR (56 PINS)

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<th>No.</th>
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<tr>
<td>2</td>
<td>GND</td>
<td>-</td>
<td>B</td>
<td>GND</td>
<td>-</td>
</tr>
<tr>
<td>3</td>
<td>+5V</td>
<td>IN</td>
<td>C</td>
<td>+5V</td>
<td>IN</td>
</tr>
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<td>+5V</td>
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<tr>
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<td>-</td>
<td>E</td>
<td>N.C.</td>
<td>-</td>
</tr>
<tr>
<td>6</td>
<td>+12V</td>
<td>IN</td>
<td>F</td>
<td>+12V</td>
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<tr>
<td>7</td>
<td>N.C.</td>
<td>-</td>
<td>H</td>
<td>N.C.</td>
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<tr>
<td>8</td>
<td>1P COIN COUNTER</td>
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<td>J</td>
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<tr>
<td>9</td>
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<td>K</td>
<td>2P COIN LOCKOUT</td>
<td>OUT</td>
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<tr>
<td>10</td>
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<td>L</td>
<td>MONO SPEAKER (--)</td>
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<td>M</td>
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<td>TILT SW</td>
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<td>T</td>
<td>2P COIN</td>
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<td>IN</td>
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<tr>
<td>19</td>
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<td>Y</td>
<td>-</td>
<td>IN</td>
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<td>22</td>
<td>BOOST SW</td>
<td>IN</td>
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<td>-</td>
<td>IN</td>
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<td>IN</td>
<td>c</td>
<td>-</td>
<td>IN</td>
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<td>26</td>
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<td>IN</td>
<td>d</td>
<td>-</td>
<td>IN</td>
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<tr>
<td>28</td>
<td>GND</td>
<td>-</td>
<td>f</td>
<td>GND</td>
<td>-</td>
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</table>
**SPEAKER VOLUME (SOUND)**

Use for adjusting game sound

**MODEM CONNECTOR (SRL) >>> OPTION**

JST 9PIN SUB, CONNECTOR (MALE)

<table>
<thead>
<tr>
<th>No.</th>
<th>FUNCTION</th>
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<tr>
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<td>RXD2</td>
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<tr>
<td>3</td>
<td>TXD2</td>
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<td>OUT</td>
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<tr>
<td>5</td>
<td>GND</td>
<td>-</td>
</tr>
<tr>
<td>6</td>
<td>(N.C.)</td>
<td>-</td>
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<tr>
<td>7</td>
<td>RTS</td>
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<td>8</td>
<td>CTS</td>
<td>IN</td>
</tr>
<tr>
<td>9</td>
<td>(N.C.)</td>
<td>-</td>
</tr>
</tbody>
</table>

**DIP SWITCH (2 POSITIONS)**

SW-1: Change Frequency of TV signal. Default is OFF = 15KHz*
*For Standard = Low resolution monitor

SW-2: Change ON position to go to SYSTEM MENU.

<table>
<thead>
<tr>
<th></th>
<th>ON</th>
<th>OFF</th>
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</thead>
<tbody>
<tr>
<td>SW-1</td>
<td>31KHZ</td>
<td>15KHZ</td>
</tr>
<tr>
<td>SW-2</td>
<td>SYSTEM MENU MODE</td>
<td>GAME MODE</td>
</tr>
</tbody>
</table>
■ STEREO SPEAKER OUTPUT CONNECTOR >>> OPTION

NOTE:
Cannot use JAMMA speaker output & STEREO speaker output at same time.

STEREO SPEAKER OUTPUT & EXTENSION SERIAL CONNECTOR, PIN LAYOUT
(JST, 10 PIN PHD CONNECTOR)

<table>
<thead>
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<td>3</td>
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<td>RXD</td>
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<tr>
<td>5</td>
<td>STEREO SPEAKER R (+)</td>
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<td>GND</td>
<td>-</td>
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<td>+5V</td>
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<tr>
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<td>N.C.</td>
<td>-</td>
<td>10</td>
<td>N.C.</td>
<td>-</td>
</tr>
</tbody>
</table>

■ VGA (31KHz) TV SIGNAL OUTPUT CONNECTOR (VDO) >>> OPTION

VGA OUTPUT CONNECTOR, PIN LAYOUT
(JST, 15 PIN D-SUB CONNECTOR, 3 SEQUENCE, FEMALE)

Use this connector when TV Monitor is High Resolution. Make sure DIPSW #1 is set to ON position.

<table>
<thead>
<tr>
<th>No.</th>
<th>FUNCTION</th>
<th>I/O</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>R</td>
<td>OUT</td>
</tr>
<tr>
<td>2</td>
<td>G</td>
<td>OUT</td>
</tr>
<tr>
<td>3</td>
<td>B</td>
<td>OUT</td>
</tr>
<tr>
<td>4</td>
<td>N.C.</td>
<td>-</td>
</tr>
<tr>
<td>5</td>
<td>GND</td>
<td>-</td>
</tr>
<tr>
<td>6</td>
<td>R-GND</td>
<td>-</td>
</tr>
<tr>
<td>7</td>
<td>G-GND</td>
<td>-</td>
</tr>
<tr>
<td>8</td>
<td>B-GND</td>
<td>-</td>
</tr>
<tr>
<td>9</td>
<td>+5V</td>
<td>OUT</td>
</tr>
<tr>
<td>10</td>
<td>GND</td>
<td>-</td>
</tr>
<tr>
<td>11</td>
<td>N.C.</td>
<td>-</td>
</tr>
<tr>
<td>12</td>
<td>N.C.</td>
<td>-</td>
</tr>
<tr>
<td>13</td>
<td>COMP SYNC</td>
<td>OUT</td>
</tr>
<tr>
<td>14</td>
<td>N.C.</td>
<td>-</td>
</tr>
<tr>
<td>15</td>
<td>N.C.</td>
<td>-</td>
</tr>
</tbody>
</table>
**GAME CARTRIDGE**

**HOW TO MOUNT GAME CARTRIDGE**

Check position of connector for both game cartridge and slot in MAIN PCB. Then insert Game Cartridge. Make sure that Game Cartridge is locked by hooks.

**HOW TO REMOVE GAME CARTRIDGE**

Pinch both Hooks on game cartridge, then pull game cartridge out. When you exchange Game Cartridge with another Game Cartridge, all backup data (bookkeeping data) will be cleared. Settings will go back to default settings.
6. SYSTEM MENU

Press TEST switch to enter SYSTEM MENU. (TEST switch can be activated anytime. Game play will cancel when you press a test switch during game play. Credit[s] will be lost.)

FLOW CHART

HOW TO CONTROL

Press TEST switch to move cursor. Press SERVICE switch to select. (If there is no TEST switch in your cabinet, change DIPSW #2 ON, re-power on to go to SYSTEM MENU. Press 1P START switch quickly to move cursor. Press & hold 1P START button to select.)
TOP PAGE OF SYSTEM MENU

Move cursor to contents then select to go to next menu.

Move cursor with TEST switch to EXIT and select to go back to normal game mode. Credit(s) are memorized.

TEST MODE

Use for function test of game.

Select EXIT to go back to top page of SYSTEM MENU.

COLOR TEST

Use for Color adjustment and checking of monitor.

Press SERVICE switch to go back to TEST MODE screen

CROSS HATCH

Use for Size adjustment of monitor.

Press SERVICE switch to go back to TEST MODE screen
SOUND TEST

Use for checking Speaker output.
When MONO SPEAKER setting,
select START to output sound.
Select STOP to stop sound.
Select EXIT to go back to
TEST MODE screen

When STEREO SPEAKER setting (OPTION),
select RIGHT to output sound from right
speaker.
Select LEFT to output sound from left speaker.
Select CENTER to output sound from both left
& right speakers.
Select STOP to stop sound.
Select EXIT to go back to
TEST MODE screen

MEMORY TEST

Use for testing RAM of MAIN PCB.
Press TEST switch to start read
& writing RAM test. Cannot cancel
this test until MEMORY test is complete.
Press SERVICE switch after
tests completed to go back to
TEST MODE screen
COIN SETTING

WARNING: ALL CREDIT DATA WILL BE LOST WHEN MAKING THE FOLLOWING CHANGES!

GAME MODE

Select FREE PLAY or NORMAL. Move cursor to GAME MODE then press SERVICE switch to select NORMAL (COIN OPERATION) or FREE PLAY. (Refer Fig.B and C)

COIN CHUTE TYPE

Select COMMON or INDIVIDUAL. Move cursor to COIN CHUTE TYPE then press SERVICE switch to select COMMON or INDIVIDUAL mode. (Refer Fig.A and B)

---

WHEN COIN CHUTE TYPE IS "COMMON"

Credit(s) will display all in one place on screen. Move cursor to coin chute A or B then press SERVICE switch to change setting number. You are able to set up coin chute A and B separately.
Select SAVE & EXIT to go back to SYSTEM MENU.

WHEN COIN CHUTE TYPE IS "INDIVIDUAL"

Credit(s) will display on screen by players. Move cursor to coin chute A or B then press SERVICE switch to change setting number. You are unable to set up coin chute A and B separately.
Coin chute A & B must be same setting. Select SAVE & EXIT to go back to SYSTEM MENU.
**PRESET SITUATION**

There is 53 kinds of coin settings. When PRESET SITUATION is NORMAL, you can select from 14 kinds. (#00 to #09 and #45 to #48.) This is basic coin settings line-up. When PRESET SITUATION is ADVANCE, you can choose from all 53 kinds as shown below.

<table>
<thead>
<tr>
<th>NO</th>
<th>COIN SETTING</th>
</tr>
</thead>
<tbody>
<tr>
<td>#00</td>
<td>1 COIN 1 CREDIT / 1 COIN CONTINUE</td>
</tr>
<tr>
<td>#01</td>
<td>2 COINS 1 CREDIT / 1 COIN CONTINUE</td>
</tr>
<tr>
<td>#02</td>
<td>2 COINS 1 CREDIT / 2 COINS CONTINUE</td>
</tr>
<tr>
<td>#03</td>
<td>3 COINS 1 CREDIT / 1 COIN CONTINUE</td>
</tr>
<tr>
<td>#04</td>
<td>3 COINS 1 CREDIT / 2 COINS CONTINUE</td>
</tr>
<tr>
<td>#05</td>
<td>3 COINS 1 CREDIT / 3 COINS CONTINUE</td>
</tr>
<tr>
<td>#06</td>
<td>4 COINS 1 CREDIT / 1 COIN CONTINUE</td>
</tr>
<tr>
<td>#07</td>
<td>4 COINS 1 CREDIT / 2 COINS CONTINUE</td>
</tr>
<tr>
<td>#08</td>
<td>4 COINS 1 CREDIT / 3 COINS CONTINUE</td>
</tr>
<tr>
<td>#09</td>
<td>4 COINS 1 CREDIT / 4 COINS CONTINUE</td>
</tr>
<tr>
<td>#10</td>
<td>5 COINS 1 CREDIT / 1 COIN CONTINUE</td>
</tr>
<tr>
<td>#11</td>
<td>5 COINS 1 CREDIT / 2 COINS CONTINUE</td>
</tr>
<tr>
<td>#12</td>
<td>5 COINS 1 CREDIT / 3 COINS CONTINUE</td>
</tr>
<tr>
<td>#13</td>
<td>5 COINS 1 CREDIT / 4 COINS CONTINUE</td>
</tr>
<tr>
<td>#14</td>
<td>5 COINS 1 CREDIT / 5 COINS CONTINUE</td>
</tr>
<tr>
<td>#15</td>
<td>6 COINS 1 CREDIT / 1 COIN CONTINUE</td>
</tr>
<tr>
<td>#16</td>
<td>6 COINS 1 CREDIT / 2 COINS CONTINUE</td>
</tr>
<tr>
<td>#17</td>
<td>6 COINS 1 CREDIT / 3 COINS CONTINUE</td>
</tr>
<tr>
<td>#18</td>
<td>6 COINS 1 CREDIT / 4 COINS CONTINUE</td>
</tr>
<tr>
<td>#19</td>
<td>6 COINS 1 CREDIT / 5 COINS CONTINUE</td>
</tr>
<tr>
<td>#20</td>
<td>6 COINS 1 CREDIT / 6 COINS CONTINUE</td>
</tr>
<tr>
<td>#21</td>
<td>7 COINS 1 CREDIT / 1 COIN CONTINUE</td>
</tr>
<tr>
<td>#22</td>
<td>7 COINS 1 CREDIT / 2 COINS CONTINUE</td>
</tr>
<tr>
<td>#23</td>
<td>7 COINS 1 CREDIT / 3 COINS CONTINUE</td>
</tr>
<tr>
<td>#24</td>
<td>7 COINS 1 CREDIT / 4 COINS CONTINUE</td>
</tr>
<tr>
<td>#25</td>
<td>7 COINS 1 CREDIT / 5 COINS CONTINUE</td>
</tr>
<tr>
<td>#26</td>
<td>7 COINS 1 CREDIT / 6 COINS CONTINUE</td>
</tr>
<tr>
<td>#27</td>
<td>7 COINS 1 CREDIT / 7 COINS CONTINUE</td>
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<td>#31</td>
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</tr>
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<td>#32</td>
<td>8 COINS 1 CREDIT / 5 COINS CONTINUE</td>
</tr>
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<td>#33</td>
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<td>#34</td>
<td>8 COINS 1 CREDIT / 7 COINS CONTINUE</td>
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<td>#35</td>
<td>8 COINS 1 CREDIT / 8 COINS CONTINUE</td>
</tr>
<tr>
<td>#36</td>
<td>9 COINS 1 CREDIT / 1 COIN CONTINUE</td>
</tr>
<tr>
<td>#37</td>
<td>9 COINS 1 CREDIT / 2 COINS CONTINUE</td>
</tr>
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<td>#38</td>
<td>9 COINS 1 CREDIT / 3 COINS CONTINUE</td>
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<td>#39</td>
<td>9 COINS 1 CREDIT / 4 COINS CONTINUE</td>
</tr>
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<td>#40</td>
<td>9 COINS 1 CREDIT / 5 COINS CONTINUE</td>
</tr>
<tr>
<td>#41</td>
<td>9 COINS 1 CREDIT / 6 COINS CONTINUE</td>
</tr>
<tr>
<td>#42</td>
<td>9 COINS 1 CREDIT / 7 COINS CONTINUE</td>
</tr>
<tr>
<td>#43</td>
<td>9 COINS 1 CREDIT / 8 COINS CONTINUE</td>
</tr>
<tr>
<td>#44</td>
<td>9 COINS 1 CREDIT / 9 COINS CONTINUE</td>
</tr>
<tr>
<td>#45</td>
<td>1 COIN 2 CREDITS</td>
</tr>
<tr>
<td>#46</td>
<td>1 COIN 3 CREDITS</td>
</tr>
<tr>
<td>#47</td>
<td>1 COIN 4 CREDITS</td>
</tr>
<tr>
<td>#48</td>
<td>1 COIN 5 CREDITS</td>
</tr>
<tr>
<td>#49</td>
<td>1 COIN 6 CREDITS</td>
</tr>
<tr>
<td>#50</td>
<td>1 COIN 7 CREDITS</td>
</tr>
<tr>
<td>#51</td>
<td>1 COIN 8 CREDITS</td>
</tr>
<tr>
<td>#52</td>
<td>1 COIN 9 CREDITS</td>
</tr>
</tbody>
</table>

>>> This color = NORMAL 14 kinds.
CONFIGURATION

4 kinds of contents.
Contents of COMMUNICATION is unavailable when game has no COMMUNICATION feature.

SYSTEM SETTINGS

AREA: Select country of operation.
(JAPAN, NORTH AMERICA, EUROPE or OTHER)
This setting effects factory defaults.

LANGUAGE: Select from following:
(English or Japanese)

ADVERTISE SOUND:
Select to output sound in attract mode.

AUDIO MODE:
Select sound STEREO (OPTION) or MONO.

SOUND VOLUME:
Volume level of sound. Default is "15"

CLOCK SETTING

Adjust clock system on Main PCB.
Move cursor then press SERVICE switch to advance each digit. Press & hold SERVICE switch more than 1 sec. to speed it up.

Move cursor to SAVE & EXIT then press SERVICE switch to go back to SYSTEM MENU screen.

GAME SETTING

Adjust game setting at this mode. (Refer detail on Page 9)
Move cursor to SAVE & EXIT then press SERVICE switch to go back to CONFIGURATION.
Select RETURN TO FACTORY SETTINGS to change all settings to Factory default settings.
BOOKKEEPING

5 kinds. Refer below.

SUMMARY
SRAM on Main PCB records & saves following data.

TOTAL TIME: This is the time when game is powered on.
TOTAL PLAYTIME: Play Time.
COIN #A: Total coins of COIN CHUTE 1.
COIN #B: Total coins of COIN CHUTE 2.
COIN #C: Total coins of COIN CHUTE 3.
COIN #D: Total coins of COIN CHUTE 4.
TOTAL COIN: Total coins of COIN #A, B, C, and D.
COIN CREDIT: Number of credits by coins in.
SERVICE CREDIT: Number of SERVICE credits.
TOTAL CREDIT: Total of COINS + SERVICE CREDITS.
NORMAL START: Number of games started from beginning.
CONTINUE START: Number of games started from beginning.
NETWORK START 1: Number of NETWORK plays on Cabinet 1.
NETWORK START 2: Number of NETWORK plays on Cabinet 2.
NETWORK START 3: Number of NETWORK plays on Cabinet 3.
NETWORK START 4: Number of NETWORK plays on Cabinet 4.

DAILY PLAY DATA1
Display Average play time for each play by Day.

MONTHLY PLAY DATA1
Display Average play time for each play by Month.

DAILY COIN DATA1
Display number of coins for each play by Day.

MONTHLY COIN DATA1
Display number of coins for each play by Month.
BACKUP CLEAR

Clear following data in MAIN PCB. (HIGH SCORE, CREDIT CLEAR, BOOKKEEPING CLEAR and ALL CLEAR)

Press SERVICE to select each contents then go to each data clear screen.

In each data clear screen, Press TEST switch to move cursor to "YES" then press SERVICE switch. After finishing data clear, screen will go back to BACKUP CLEAR screen.
7. LINK (OPTION) & SETTINGS

FASTER THAN SPEED needs a LAN CABLE & ROUTER to LINK 2 games. (OPTION)

SUGGESTED ROUTER
Maker: LINKSYS
Model: BEFSR41

Power Adaptor
(Included w/ ROUTER)

LAN (Ethernet) Cable (2)
* One LAN cable included in ROUTER kit.
You will need to purchase only one LAN cable.

AC Tap
Maker: Cooper

HOW TO CONNECT

1) (UR game) Open control panel and instruction bracket to locate Main PCB. (Sit-down game) Open back door to locate Main PCB.
2) Connect 2 LAN cable connectors to LAN cartridge on both Main PCBs. (See Below)
3) Connect the other ends of LAN cable connectors to ROUTER. (Refer below picture for connection)
4) Remove 120VAC (For DBA) plug from outlet of Power Supply box and connect AC Tap. Then re-plug 120VAC (For DBA) plug back to AC Tap and plug Power Adaptor of ROUTER to AC Tap.
5) Use drill to make hole for cable in both back doors then mount ROUTER to one of the cabinets inside. (You may need wood screws and wire tights)
6) (UR game) Close Instruction bracket and Control panel. (Sit-down game) Close Back door.
7) Refer to next page to set up communication setting.

BACK VIEW OF ROUTER

Connect 2 LAN Cable connectors to 2 ports out of 4

DO NOT CONNECT HERE, (NOT USED)

VIEW, inside of cabinet (Sit-down)

COMMUNICATION ERROR

Left top on screen shows error code "ERROR LINKING PROBLEM" in red letters. Please check as below:

1) LAN Cable connections.
2) Power on ROUTER unit.
3) LAN Cartridge mounting on Main PCB.
4) Check communication setting of both cabinets. (Refer next page)

After checking above, reset both machines.
COMMUNICATION SETTING

Set up LINK play in this mode. Go to "CONFIGURATION" then select "COMMUNICATION SETTING." Do the following:

LINK MODE
2 kinds of settings. ("ON" or "OFF") "ON"
for "LINK PLAY". Default is "OFF."

LINK ID
2 kinds of settings. ("MASTER" or "SLAVE") One
side must be "MASTER" and other side must
be "SLAVE."

How to test:
Screen shows result of test. If any errors, refer below.
"EXIT" to return to CONFIGURATION screen.

DIAGNOSTIC RESULT
OK >>> No problem. Both cabinets are linked.

HARDWARE CONDITION NG
Check Link cable and other device (Router, LAN Cartridge and Main PCB) connections.

SETTING CONDITION NG
Both cabinets are set as "MASTER". Change "LINK ID" setting for one cabinet to "SLAVE."
Both cabinets are set as "SLAVE". Change "LINK ID" setting for one cabinet to "MASTER."

NOTE:
During LINK mode (2 games linked), please set up both games to same GAME SETTINGS except COMMUNICATION CLASS.

2. Place Main cabinet to SEAT ASSY as indicated. The 2 Stud bolts on base fit in bolt holes on bottom of cabinet base wood. Open back door of cabinet then use plain washers & Nuts to secure together.

3. Remove 3 screws from Left & Right to open Pedal base. Connect Pedal Harness connector to 4 pin connector located at bottom of Main cabinet. Close Pedal base.
1. Use Key to Open Steering Control panel Assy. Use 6 screws to mount it. Then Use 4 screws to mount Support Bracket under control panel.

2. Connect driving harness connectors as below. Close Control panel with locks after connecting all connectors.

- Motor connector
- N connector (12 pins)
- M Connector (9 pins)
- 1P connector (12 pins)
- 5K pot connector
- Screws & Washers for mounting (6 sets)
WARRANTY

Limited warranty, Repair and Return Policy

Sammy USA Corporation warrants all products to be free from defective materials and workmanship for a period of thirty (30) days from the Sammy USA Corporation invoice date unless otherwise specified in writing by Sammy USA Corporation. The extent of this warranty applies to all electronic assemblies only, and does not include lamps and fuses. This limited warranty is invalid for any product that upon examination, is deemed to have been subject to misuse, improper repair or installation, neglect or violation of specification or other instructions published by Sammy USA Corporation.

There are no additional warranties described above. The limited warranties described above shall be in lieu of any other warranty, express or implied, including but not limited to any implied warranty of merchantability or fitness for a particular purpose.

Return Merchandise Authorization

1. Contact your authorized Sammy USA distributor to receive a Return Merchandise Authorization for return.
2. You must obtain RMA numbers from Sammy USA Corporation through an authorized Sammy USA distributor. Please have your serial number available when calling for RMA number.
3. All items must have an RMA number marked clearly on the outside of the package.
4. Products must be shipped prepaid. Products returned without an RMA number will not be accepted.
5. Credits to accounts are subject to inspection of products for damage and suitability for resale.