Safety

**Operation**
Before operating game, read this manual. Failure to properly install and operate this game could result in malfunction or accident. Operate the game in accordance with the manual.

**Transporting**
The cabinet is very heavy. Because the monitor is high, the cabinet is also very top-heavy. Use appropriate care when moving or transporting cabinet. It contains fragile glass and electronic components. Avoid rough handling.

**Handling Components**
Many components are extremely sensitive to handling, environmental and Electrostatic Discharge (ESD) events—especially the computer. Do not handle it roughly. Before servicing, call your distributor and inquire about the PC warranty. Use proper ESD procedures when servicing. Protect components from harmful environmental conditions, such as extreme temperatures, excessive moisture or other damaging effects.

**Disconnect Power**
Always turn the power off and unplug the unit before servicing or making adjustments unless otherwise instructed. Installing or repairing components while power is on can damage the components and void the warranty.

**Grounding**
Avoid electrical shock. Do not plug in AC power until you have inspected and properly grounded the unit. Only plug into a grounded, three-wire outlet. Do not use a “cheater” plug or cut off the ground pin on the line cord.

**Electrical Shocks**
There is no isolation transformer in the cabinet. Disconnect AC power before servicing. However, be aware that lethal voltages can remain in the electronic components even when AC power is disconnected. Use extreme caution when servicing. Verify that there is a working ground connection. If the unit sustains water damage, cease using it immediately and unplug AC power.

**Monitor**
The monitor contains no user serviceable parts. Do not attempt to service the monitor.

**Power Selector**
Before installing game, ensure the voltage on the PC is set properly. There is a 115/230 VAC selector switch that must be set for the correct voltage for your site. Verify the fluorescent lamp rating. The rating must match the line voltage at the installation site.

**Power Cord**
If the power cord is damaged or lost, replace it with an identical cord as supplied by the manufacturer or an authorized service agent.

**Surge Suppressor**
It is recommended that you plug your game’s power cord into a surge suppressor to help protect from power surges that may damage sensitive electronic components.
Service Manual

CONNECTORS
When servicing machine, ensure all connectors mate properly. If connectors do not slip in easily, do not force them. Connectors are often keyed and only connect one way. Check for correct orientation.

COMPUTER
The computer contains sensitive components, including a hard drive. Do not handle it roughly. Call your distributor before servicing its internal components. Ask about warranty information as it relates to the PC.
Do not turn the PC power switch on or off. It should remain permanently in the ON position.
Cycle AC power on or off with the cabinet power switch.
A dongle has been inserted into one of the USB ports. This is required for game play.
Do not remove the dongle except for troubleshooting purposes.

FLUORESCENT LAMP
A dropped fluorescent lamp tube may break and implode. Shattered glass from the implosion can travel long distances and cause bodily injury. Use proper procedures when handling broken materials, as these items can contain hazardous material such as mercury or lead.

HAZARD TO EPILEPTICS
A small portion of the population has an epileptic condition that may cause seizures. Affected persons experience seizure while watching some television pictures or playing certain video games. People who have not had seizures may still have an undetected epileptic condition. If anyone in your family has experienced epilepsy symptoms (seizures or loss of awareness), consult your physical before using video games. While children play video games, a parent should observe. Be alert to the following symptoms: dizziness, altered vision, eye or muscle twitching, involuntary movements, loss of awareness, disorientation or convulsions. If you or your child experiences these symptoms, discontinue use immediately and consult your physician.

MANUAL
Keep this manual available and ready for use. If the game fails to function properly, turn off the machine and unplug the AC line cord. Contact your local distributor. Your warranty, when applicable, lasts 60 days from your purchase date. You may not reproduce or make modification to this document or any of its contents without written authorization from Raw Thrills, Inc.

SPECIFICATIONS
For reasons such as performance, this product’s specifications may change without notice. Federal patent, copyright and other intellectual property laws protect the content, devices and design of the game and its equipment.
Product Specifications

Electrical Power

United States, International and Japan

Inrush AC Current: 7 Amps
Operating AC Current: 5 Amps/ 2.5 Amps
Voltage: 115 VAC/ 230 VAC 50/60Hz

Temperature

50° F to 104° F
(10° C to 40° C)

Humidity

Must not exceed 95% relative humidity

Dimensions (32” Model)

Height: 97.5” (2.48 meters)
Width: 34.5” (.88 meters)
Depth: 36.5” (.093 meters)

Carton Weight

518 lbs. (234.96 kg)
Setup

**Unpack Materials**

1. Place the shipping crates on a flat, stable surface.
2. Cut the banding straps and remove the cardboard lids.
3. Lift off the large cardboard containers surrounding the front pedestal and monitor assemblies and remove any shipping cleats.
4. Remove the coin door key from the coin return slot.
5. Open the top coin door.
6. Locate the keys for the back door and the cash box door.
7. Open the cash box door and remove the cash box.
8. Check for shipping damage to the following:
   - Cross player accessible areas such as the sled, control panel and dash.
   - Marquee and monitor
   - Cabinet decals
9. Check the AC line cord for visible signs of damage.
   Pay particular attention to the plug and line cord insulation.

**Check Electrical Settings**

1. Verify the voltage in the nearest AC outlet.
2. Verify the AC outlet ground connection is present and working.
3. Open the back door of the monitor assembly.
4. Near the AC power transformer, verify the voltage selector switch is set to correct AC voltage.
5. Route the line cord so that the plug is near the AC outlet.
6. Replace the back door of the monitor assembly.

**Game Power Up**

1. Plug in line cord to AC outlet.
2. Turn the power switch to ON.
3. Check that no component is excessively hot or emitting foul odors.
   *If not, turn off AC power and disconnect line cord. Refer to the diagnostic section of this manual.*
4. Once software loads, you will be asked to calibrate the controls.
   *If not, enter the service menu by pressing the TEST button located on the bracket inside the top coin door.*
Diagnostics and Adjustments

The Service Button Panel has four buttons, three of which can navigate the menu system.

- Service Panel TEST enters diagnostic system.
- Either Service Panel TEST button or Start button selects the highlighted option.
- Service Panel VOL DOWN button or SnoBall button moves down through menu or setting choices.
- Service Panel VOL UP button or pressing View moves up through menu or setting choices.
- Highlight and select Exit to return to previous screen.

An on-screen message acknowledges changes or when you exit a selection without making a change.

At the bottom of each screen there is a brief description of the menu option’s function. A complete description is available here for all menu functions.

Instructions for completing your first calibration start on the next page.
INITIAL GAME SETUP

GAME CONTROLS CALIBRATION

1. If the calibration screen is not visible, press the TEST button to enter the Diagnostic System.
2. From the Main Menu, use Volume +/- to highlight Calibration.
3. Press a Start button to enter calibration.
4. Follow on-screen instructions. Re-try if calibration data is not valid.
5. Game will proceed to Location and Venue Name entry.
6. Enter information to be displayed when player scans the QR Code.
7. Game will enter Attract Mode. All game settings will be default values if no changes are made at this time.

GAME CONTROLS AND INTERFACE INSPECTION

Other Tests

See the Diagnostic Section for further information.

1. Enter the Switch Test menu and verify all switches function.
2. Enter the Screen Test menu and verify that video is acceptable.
3. Enter the Sound Test menu and verify the audio works and is not distorted.
4. Enter the Coin Meter Test menu and verify the operation of the coin meter.
5. Enter the Cabinet Lamps Test menu and verify that all cabinet lights work correctly.
6. Enter the Watchdog Test menu, which reboots the game.
7. Upon a successful reboot, you are ready to make adjustments to pricing, volume and other functions found in the Adjustments, Audits and Diagnostics section.
## Adjustments, Audits and Diagnostics

### Main Menu

- **Test Main Menu**
  - Diagnostics
  - Game Audits
  - Pricing Adjustments
  - System Adjustments
  - Game Adjustments
  - Utilities
  - Calibration

- **Volume**
- **Attract Volume**
- **Exit**

<table>
<thead>
<tr>
<th>Menu Option</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diagnostics</td>
<td>Verify all game functionality. Allows activation of all inputs and outputs, including linking and watchdog test.</td>
</tr>
<tr>
<td>Game Audits</td>
<td>View game earnings and gameplay statistics.</td>
</tr>
<tr>
<td>Pricing Adjustments</td>
<td>Setting for coinage unit, denomination and game pricing.</td>
</tr>
<tr>
<td>System Adjustments</td>
<td>System related changes such as networking, language, attract volume, Wheel power, blower and shaker force etc.</td>
</tr>
<tr>
<td>Game Adjustments</td>
<td>Game specific adjustments such as difficulty, bonus time, game entry.</td>
</tr>
<tr>
<td>Utilities</td>
<td>Clear Credits, Audits and reset player/game statistics. Check system software errors and download data to USB external storage device.</td>
</tr>
<tr>
<td>Calibration</td>
<td>Calibrate controls for maximum player control and game experience.</td>
</tr>
</tbody>
</table>
## Volume
Set volume during game only. Attract volume is adjusted independently.

## Attract Volume
Set attract/standby mode volume only.

---

### Main Menu

#### Diagnostics

<table>
<thead>
<tr>
<th>Switch Test</th>
</tr>
</thead>
<tbody>
<tr>
<td>For troubleshooting purposes, this menu gives you visual feedback of all switch functions.</td>
</tr>
</tbody>
</table>

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©2012 Raw Thrills, Inc. All Rights Reserved. © 2012 Disney/Pixar.
For troubleshooting purposes, this menu gives game sound feedback.

<table>
<thead>
<tr>
<th>Menu Option</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Change Music</td>
<td>Change current music.</td>
</tr>
<tr>
<td>Change Effect</td>
<td>Change sound current sound effect.</td>
</tr>
<tr>
<td>Play 100Hz or 1kHz</td>
<td>Play low and high frequency to stimulate bass or full range speaker response.</td>
</tr>
<tr>
<td>Pan Center, Left, Right</td>
<td>Isolate sound into separate channel to verify correct speaker function.</td>
</tr>
</tbody>
</table>

For troubleshooting purposes, this menu gives Machine ID and network connection status.

Network Test

Select option to ping machines
Machine 1: not present (last seen 2.0 min)
Machine 2: Hey, that's me!
Start Test
Stop Test
Exit
For troubleshooting purposes, this menu allows the diagnosis of the game's controlled lighting features.

For troubleshooting purposes, this menu allows the wheel force feedback to be activated in left and right direction.
For troubleshooting purposes, this menu allows the activation of coin meter. Press Start or Test to advance coin meter.

This menu allows the activation of the watchdog/reset system. Press Start or Test to start test. The game’s watchdog system allows the machine to recover automatically from a crash or a failure to boot. The watchdog system is always active.

View general game statistics.
### Calibration

*Note: Fully depress and release the gas pedal up to 5 times for best calibration result.*

### Game Volume

Adjust game volume during play mode only. Attract volume is adjusted separately. Automatic Volume Synch allows for all linked units to be adjusted simultaneously.

### Attract Volume

Adjust attract or standby volume only.
Maintenance

Hard Drive Recovery

Symptoms requiring hard drive recovery include

- File Test reports bad or missing files.
- Game fails to finish loading during startup.
- After resetting the AC power, an error is reported.
- You are prompted to insert a boot DVD.
- Erratic Game or Attract Mode.
- Garbled characters
- Bad audit files

To identify corrupt files, press Test, choose System Test Menu and run the CRC Check.

The only way to repair corrupt files is to recover the hard drive, as detailed below.

Computer
The computer contains sensitive components, including a hard drive. Do not handle roughly. Call your distributor before servicing its internal components. Ask about warranty information as it relates to the PC.

Do not use the PC on/off switch. Turn AC power on or off with the cabinet power switch.

1. With game and PC on, verify that the RIO board has power. If not, see Troubleshooting.
2. Open the Coin door.
3. Open the PC DVD-ROM tray by reaching back to the PC and pressing the Open/Close button on the drive bay.
4. Insert the first of two restore DVDs (labeled Disc 1) into the tray.
5. Close the tray by pressing the Open/Close button again.
6. Turn cabinet power switch to OFF. Wait 30 seconds.
7. Turn cabinet power switch to ON.
8. Recovery begins automatically when PC boots up.
9. If recovery does not begin, check to ensure disc is inserted correctly and is not damaged.
10. Initial software loading may take several minutes. Check progress periodically. Do not interrupt power or reset the game during recovery.
11. When software has been loaded, a message indicates that restore is complete. When instructed to remove disc, open DVD-ROM drive tray and remove disc.
12. Turn cabinet power switch off.
13. After 30 seconds, turn cabinet power switch on.
14. Game will reboot and enter calibration mode.
15. Re-calibrate controls.
BIOS Settings/Power Management

Please visit: www.rawthrills.com for the latest software version and BIOS setting information.

**NOTICE**
The PC ships with correct BIOS settings. Making changes to the BIOS different from the description below may adversely affect game functions.

This BIOS setting lets the PC automatically power up. With the setting enabled, the PC reboots when it detects AC power. This eliminates the need to manually turn the PC back on after power disruption.

Do **not** use the PC on/off switch. Turn AC power on or off with the cabinet power switch.

1. Turn cabinet power switch off.
2. Open rear of cabinet.
3. Connect a USB keyboard to the PC.
4. While holding the F10 key on the keyboard down, turn cabinet power switch on.
5. When the BIOS menu screen appears, make the following adjustments.

*(SETTINGS BELOW ARE SPECIFIC TO HP6005 PC. PLEASE CHECK RAWTHRILLS.COM FOR LATEST INFORMATION ON BIOS SETTINGS AND OTHER TECHNICAL UPDATES)*

STORAGE => Storage Options => SATA Emulation : "Native Mode IDE"

ADVANCED => Power On Options => After Power Loss : "On"

6. Follow instructions on screen to save and exit.
7. PC will reset and load the game.
MECHANICAL ILLUSTRATIONS
AND
ELECTRICAL SYSTEM DIAGRAM
<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
<th>QTY.</th>
</tr>
</thead>
<tbody>
<tr>
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<td>601-00587-01</td>
<td>MAIN CABINET</td>
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<tr>
<td>2</td>
<td>600-00618-01</td>
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<tr>
<td>3</td>
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<td>COINDOOR HOUSING</td>
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<td>4</td>
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<td>HOOD PLASTIC</td>
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<td>5</td>
<td>800-00030-01</td>
<td>STD WIDTH COIN DOOR</td>
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<tr>
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<td>HASP - LEFT</td>
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<td>600-00651-01</td>
<td>HASP - RIGHT</td>
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<td>600-00926-01</td>
<td>GLASS TOP BRACKET</td>
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<td>SPEAKER GRILL</td>
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<tr>
<td>11</td>
<td>809-00004-01</td>
<td>42&quot; LCD DISPLAY</td>
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<tr>
<td>13</td>
<td>600-00928-01</td>
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<td>14</td>
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<td>SIDE COVER</td>
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<td>15</td>
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<td>16</td>
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<td>17</td>
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MOUNTING RAILS
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<td>GENERAL</td>
<td>NYLON STRAP 0.075&quot; THICK, 1&quot; WIDE, BLACK (52&quot; LONG)</td>
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