

# Frightfearland™ Conversion Kit Instructions

## for Aliens Extermination and Paradise Lost Cabinets

---

Document Part #: 040-0248-01

This kit converts an Aliens™ Extermination or Paradise Lost™ Upright Cabinet to Frightfearland. The procedure consists of installing the new computer with game dongle, installing the software for systems with SVGA (CRT) monitors, and replacing the cabinet artwork.

**Note:** Keep your old System Manual for service and hardware reference information specific to your cabinet. The *Frightfearland™ Operation Manual for Kit Systems* contains operation, gameplay, and troubleshooting information and Computer BIOS Settings.

### Kit Contents

Part Number	Qty	Description
040-0248-01	1	Conversion Kit Instructions (This Document)
040-0243-01	1	Operation Manual for Kit Systems (with Troubleshooting Tables and BIOS Settings)
040-0250-01	1	Software Restore Guide for Kit Systems
050-0199-01	1	Software, Frightfearland Game Install Disk for HD Monitors
050-0200-01	1	Software, Frightfearland Game Install Disk for SVGA Monitors
050-0201-01	1	Software, Frightfearland SVGA Patch Disk
050-0214-01	1	Software, System Recovery Disk
45086-00	1	System Computer Assembly (with Frightfearland Software HD Version Pre-Installed)
FFL-AW-01	2	Decal, Frightfearland L & R Side Panel (2 Per Cabinet, each split into two parts)
FFL-AW-02	1	Artwork, Backlit Marquee with TAITO License Sticker
FFL-AW-03	1	Artwork, Backlit Styrene Instruction Panel
FFL-AW-04	1	Decal, Button Panel
FFL-AW-05	1	Decal, Upper Gun Base, Player 1
FFL-AW-06	1	Decal, Upper Gun Base, Player 2
FFL-AW-07	1	Decal, Lower Gun Base, Player 1
FFL-AW-08	1	Decal, Lower Gun Base, Player 2
FFL-AW-10	1	Decal, Kick Panel
FFL-AW-11	1	Decal, Gun Crosshair, Player 1
FFL-AW-12	1	Decal, Gun Crosshair, Player 2
FFLKIT-AW-02	3	Decal, Monitor Side Panel & Coin Door
FFLKIT-AW-03	2	Decal, Frightfearland Logo
NTR-AW-06	1	New Game Sign
FFL-DONGLE-01	1	USB Game Dongle
FFL-LICENSE-TAITO-KIT	1	TAITO Serialized License Sticker (Pre-Installed on Backlit Marquee Artwork)
--	1	DVI-to-VGA Adapter (Packed with Computer)
L-0178	1	Frightfearland Cabinet Serial Number Label

## Tools Required

- Exacto<sup>®</sup> Knife with New Blade
- Vinyl Application Squeegee (or Similar Tool) for Smoothing Decals
- 7/16" Nutdriver or Wrench
- Screwdriver with Assorted Torx<sup>®</sup> Security Bits including T-27

## Install the System Computer

**Note:** The computer ships with the HD software version pre-installed for LCD and plasma monitors. If your cabinet has an SVGA (CRT) monitor you will need to install the SVGA software version, as described in the *Frightfearland Software Restore Guide for Kit Systems* (part # 040-0250-01).

1. **Turn off the game and disconnect the AC power cord.**
2. Disconnect all cables from the old System Computer. Loosen the mounting strap and remove the computer from the cabinet.
3. Install the new computer from the kit and tighten the mounting strap securely.
4. Refer to Figure 1 and connect all cables to the new computer:
  - a. Connect the video cable to a DVI or HDMI port on the video card. (Do not use a motherboard video port or you will get poor video.) If your game has an SVGA (CRT) Monitor (27" Aliens Extermination games), use the DVI-to-VGA adapter from the kit to connect to a motherboard DVI port
  - b. Connect the USB cable from the GVRI/O Mini PCB to the first PCI USB port.
  - c. Connect the USB cable from the Player 1 gun to the second PCI USB port, and the USB cable from the Player 2 gun to the third PCI USB port, as shown in Figure 1.
  - d. Connect an audio cable from the **Green** audio port on the computer to the **Audio In** port on the GVRI/O Mini PCB, or the **Front** port on the 5.1 Audio Amp, if used.

**Note:** Frightfearland does not use the center audio channel. Connect only the Green audio port of the System Computer. If your game has a 5.1 Audio Amp and center speaker, you can connect the center speaker to the left and right audio channels as shown in Figure 5 on page 7.
5. Connect the Game Dongle to a motherboard USB port.
6. If you have an SVGA monitor, install the SVGA software version as described in the next section. (The screen will be blank if you run the HD software version with an SVGA monitor.)
7. Power on and test the game before installing the artwork. This way, if any issues should arise you can easily switch back to the old game.

## SVGA Systems Only: Install SVGA Software Version

If your game has an SVGA (CRT) monitor, install the SVGA Software version as described in the *Frightfearland Software Restore Guide for Kit Systems* (document part #: 040-0250-01).

You can proceed with artwork installation while the software is installing, but be careful not to jostle or bump the computer as this could cause the installation to fail.

## PC Rear with Intel DG41TX Motherboard

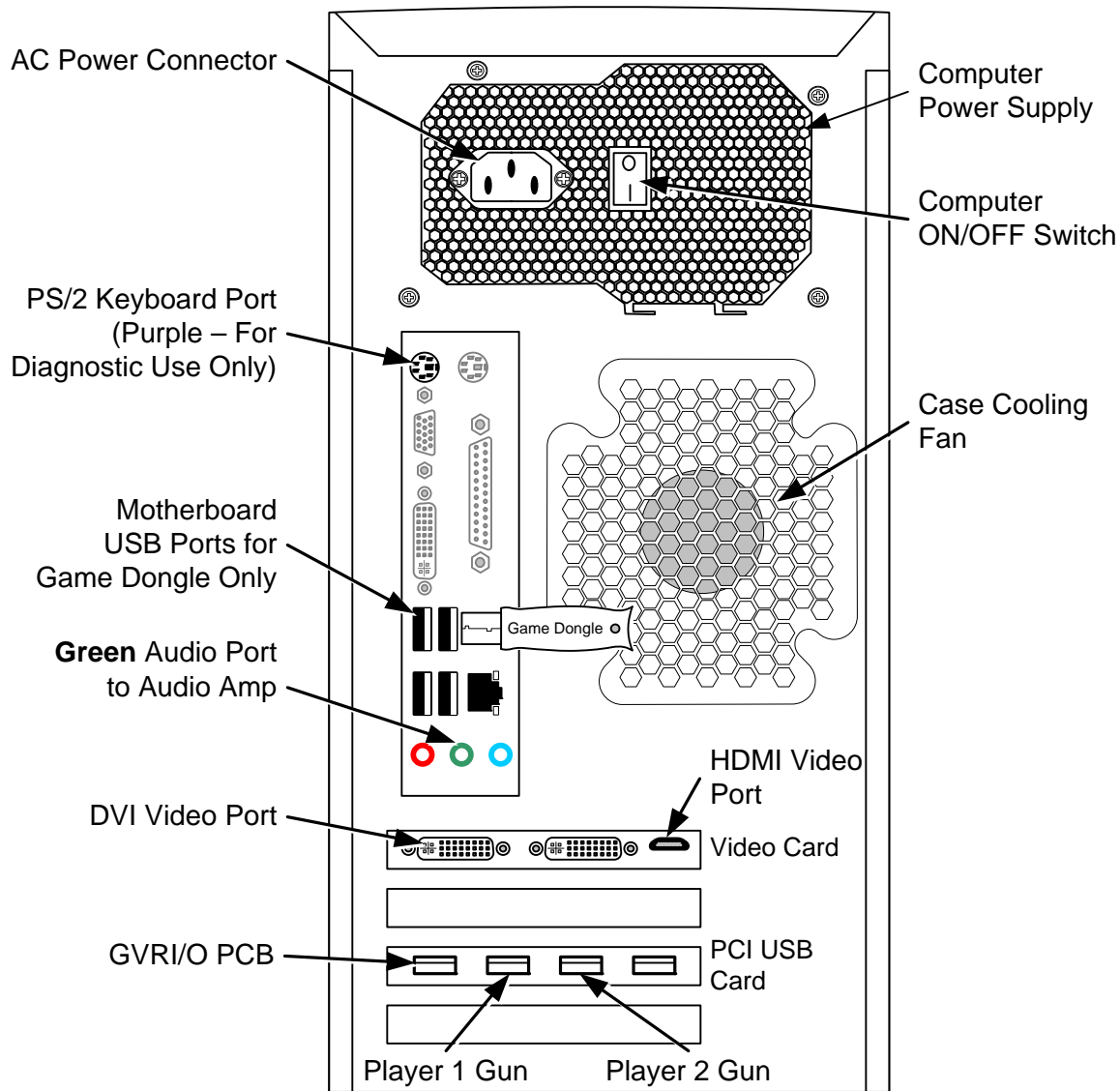


Figure 1. Computer Rear Panel Diagram (DG41TX Motherboard)

### Replace the Marquee

The TAITO Serialized License Sticker is pre-applied to the marquee artwork. This sticker must be clearly visible from the front of the cabinet or your game will not be legal.

1. From the back of the marquee, remove the three (3) wood screws and five (5) nuts with washers that secure the silk-screened plastic marquee in place.
2. If applicable, remove the piece of wood behind the Alien's head at the center of the marquee if it does not come off with the silk-screened plastic.
3. Install the new marquee from the kit on the spacers used with the old marquee. Make sure the TAITO Serialized License Sticker is clearly visible.

## Install the Cabinet Artwork

Refer to Figure 2 and Figure 3 for placement of the cabinet and control panel artwork.

1. If existing cabinet decals are in good condition, with no cracks or tears, apply the new decals over the old decals. Otherwise remove the existing decals and clean off any adhesive that remains on the cabinet. Make sure the cabinet surface is clean so the new decals will adhere properly.
2. Remove the metal covers from under the control panels by removing the two carriage bolts and two screws that hold each cover in place. Access the nuts on the carriage bolts through the coin door.
3. The cabinet side panel decals are split into two parts. Apply the lower part first and then position the smaller upper part so that the artwork lines up properly. Smooth the decals and trim off excess material with a sharp Exacto knife, using the edge of the cabinet as a guide.
4. For 27" and 42" cabinets, apply the Monitor Side Panel decals to the sides of the monitor, and then apply the Logo decal over the first decal, as shown in Figure 2.
5. Apply the remaining artwork as shown in Figure 2 and Figure 3.
6. Install the New Game Sign from the kit behind the marquee or the monitor so the "NEW" starburst is visible above the cabinet.

## Apply the Serial Number Label

Apply the GLOBAL VR serial number label to the back of the cabinet. You will need this number to obtain service from GLOBAL VR.

## Set Up and Test the Game

Refer to the *Frightfearland Operation Manual for Kit Systems* (part # 040-0243-01) for detailed instructions on using the Operator Menu to set up and test your game.

1. Power on the game.
2. Use the Operator Menus to set the date and time and change any desired settings.
3. Calibrate the guns as described in the next section.
4. Play a game and use both guns to verify proper operation. (Press the **SERVICE/SELECT** button in Attract Mode to insert Service Credits for testing the game.)

## Troubleshooting

See detailed troubleshooting tables in the *Frightfearland Operation Manual for Kit Systems*.

Problem	Cause	Possible Solution
No picture or poor picture on Monitor	Wrong software version installed	Install the correct software version for your game (SVGA or HD) as described in the <i>Software Restore Guide for Kit Systems</i> . Computers ship with the HD software installed. Be sure to also run the SVGA Patch Disk for SVGA games (27" Aliens).
Audio problems	Check wiring	Make sure the green audio port on the computer is connected to <b>Audio In</b> on the GVRI/O Mini PCB or <b>Front</b> on the 5.1 Audio Amp if used. The center channel is not used in Frightfearland, but the center speaker can be jumpered as shown on page 7.



Figure 2. Cabinet Artwork Placement



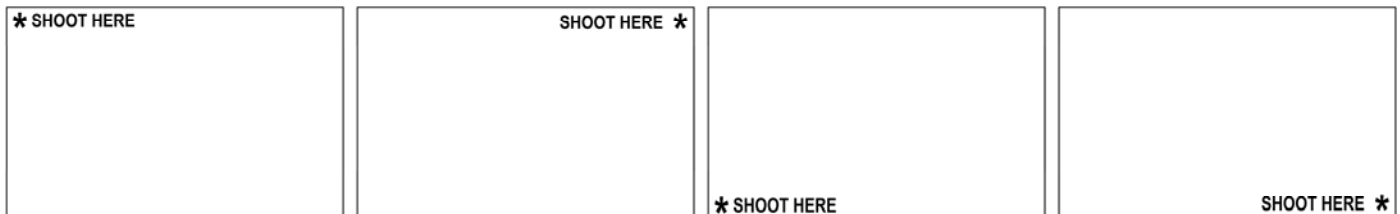
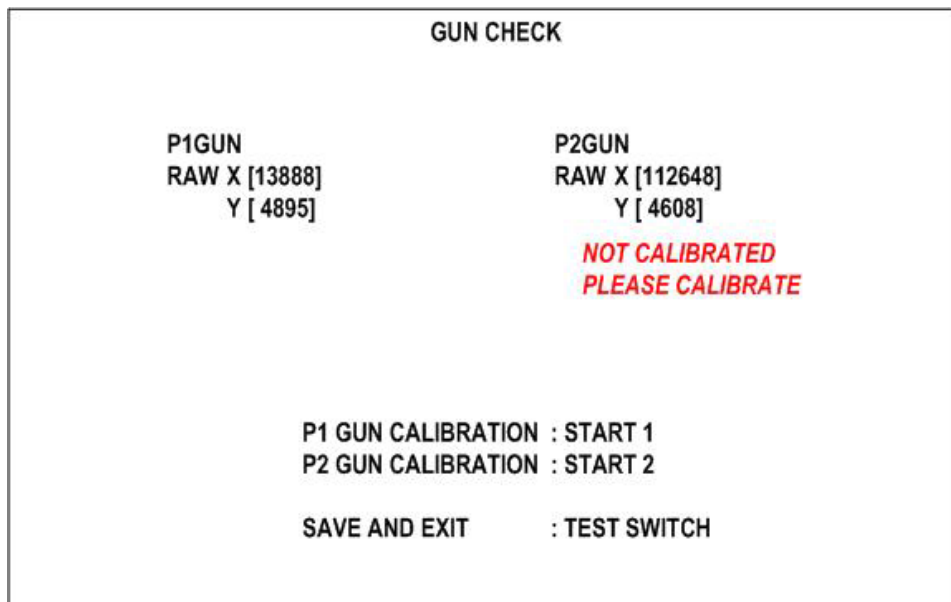
Figure 3. Control Panel Artwork Placement

## Calibrate the Guns

If a gun has not been calibrated the message "NOT CALIBRATED PLEASE CALIBRATE" will appear on the Gun Check screen, as shown for P2GUN (Player 2 Gun) in Figure 4.

Do the following to calibrate a gun:

1. Select **GUN CHECK** from the Operator Menu to open the Gun Check screen.
2. Press the **START** button for the gun you wish to calibrate.  
**Note:** If the gun harnesses are swapped (pressing **START 1** initiates calibration for Gun 2, and vice versa) you can swap the guns in the software by selecting **GUN I/O SWAP** from the **GAME OPTIONS** Menu so the guns are correct in game play.
3. The message "\*Shoot Here" will appear in the upper left corner of the screen. Move the gun to the farthest up and left travel position and squeeze the trigger.
4. The message "\*Shoot Here" will appear in each corner in turn; point the gun toward that corner and squeeze the trigger.
5. Repeat for the other gun.
6. Press the Operator **TEST** button to save the calibration settings and exit.



*Figure 4. Gun Check Screens*

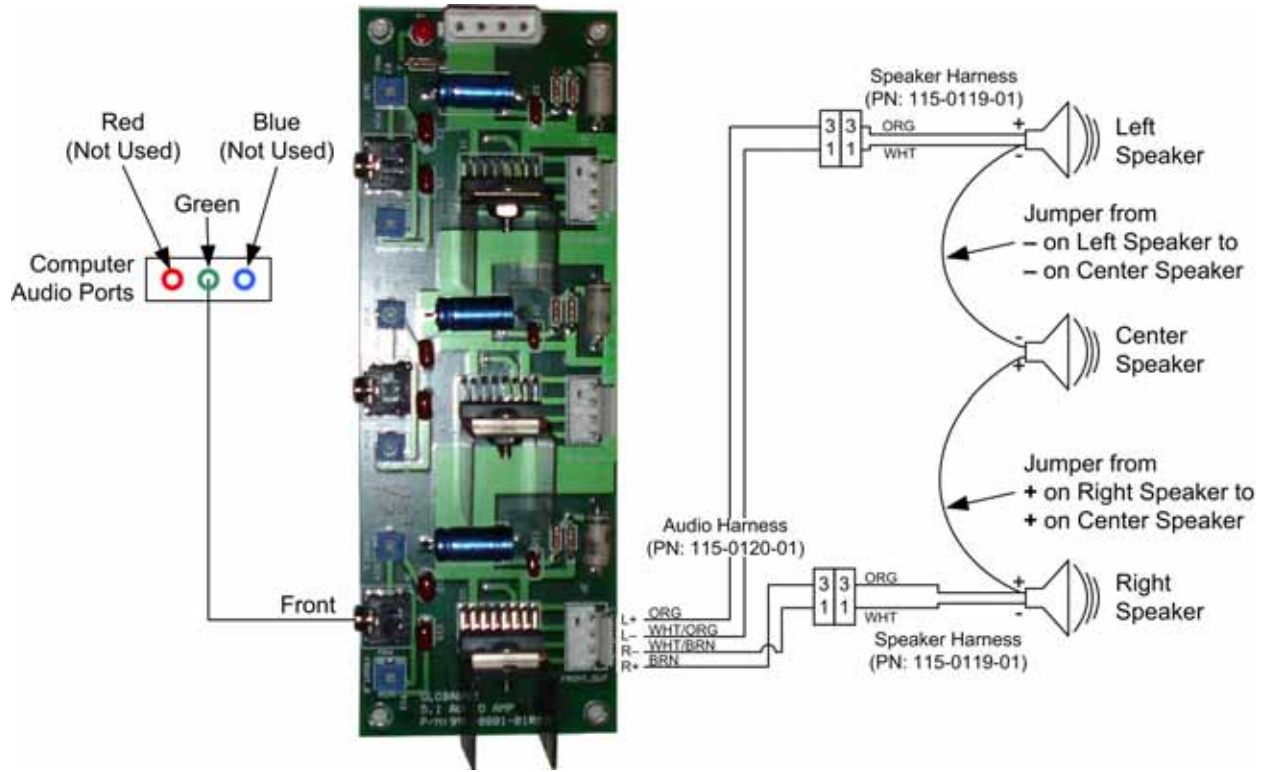


Figure 5. Adding Jumpers for Center Speaker Audio with 5.1 Audio Amp