



Quick Setup Guide

Quick Installation Guide

You'll Need These Tools

- 7/16-inch socket
- 3/4-inch end wrench
- #2 Phillips screwdriver
- 11/32 socket or hand driver
- T15 tamper-proof Torx® driver
- T27 tamper-proof Torx® driver
- 3/8-inch socket or hand driver

⚠ WARNING

Restraining cables. You might need to angle the front glass beyond the extent of restraining cables. (The same applies to the LCD.) In that case, you must disconnect these cables. Take care to protect the fragile glass and LCD. Don't let them free-fall out of the cabinet! The LCD might slam into the control panel

and break. The front glass could snap or splinter. Before resting the glass and LCD on the CPU (Pod) cabinet, remove the top panels. Otherwise, the glass or LCD might shatter against the player button. Shards of glass could fly in every direction.

ⓘ CAUTION

Shipping Screws. You *must* remove the shipping screws. Leaving them in might damage the LCD. See Step 9.

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|--|--|
| [] 1. Remove the game machine from its shipping skids. <i>There are three pieces on two skids.</i> | [] 13. Connect the cables between the LCD cabinet and CPU cabinet (Pod): <i>Ten connectors.</i> |
| [] 2. Check for shipping damage. | [] 14. Adjust the CPU (Pod) cabinet leg levelers. |
| [] 3. Stand the LCD (<i>large</i>) cabinet upright. | [] 15. Load the balls (<i>minimum: four</i>). |
| [] 4. Adjust the LCD cabinet leg levelers. | [] 16. Assemble and install the marquee. (See <i>Assemble and Install the Marquee</i> , p. 2-6.) |
| [] 5. Remove the two screws that secure the upper front speaker panel. These screws are on the sides of the LCD cabinet. | [] 17. Bolt the marquee to the LCD cabinet roof. On each side of the marquee, use two half-inch, number 6 sheet metal screws. |
| [] 6. At the top of the LCD cabinet, remove the foam shipping insert. This insert is under the cable support that attaches to the ball trolley. | [] 18. Turn on the power switch. |
| [] 7. Remove the hex bolts that secure the front glass to the cabinet frame. | [] 19. Verify that the game starts and Attract Mode runs. |
| [] 8. Pivot the viewing glass forward. | [] 20. Set pricing as you want it. (Use these menu settings: Coin 1, Coin 2, and Price Per Play.) |
| [] 9. Remove the two shipping screws from the LCD panel. <i>Removal reduces the chance of LCD damage.</i> | [] 21. If you're satisfied that the game machine operates properly, reinstall the bottom LCD access panel. |
| [] 10. Unscrew and remove the metal access panel at the bottom-front of the LCD cabinet. | [] 22. Reinstall the two top panels on the CPU cabinet (Pod). |
| [] 11. Remove the two top panels from the CPU cabinet (Pod). | [] 23. On the LCD cabinet, pivot the speaker panel back against the viewing glass. |
| [] 12. For this step, use four bolts with flat and lock washers: Assemble the LCD cabinet to the CPU cabinet (Pod). | [] 24. To secure the speaker panel, reinstall the screws that you removed earlier. |

Detailed Assembly Instructions

Unpack the Game Machine

Δ WARNING: Transporting. Movers should watch out for one another, avoid injury and be respectful of heavy equipment. Glass and fragile components require special care.

Δ WARNING

Disconnect power when servicing. Prevent electrical shocks and equipment damage.

You'll Need These Tools

- 7/16-inch socket
- 3/4-inch end wrench
- T15 tamper-proof Torx® driver
- T27 tamper-proof Torx® driver

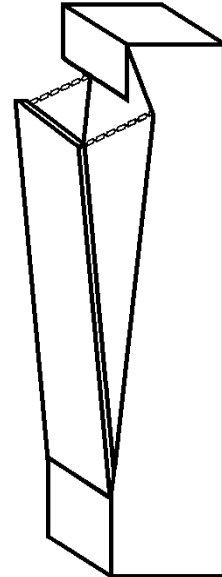
- [] 1. Place the game machine in a suitable play or service area.
- [] 2. Remove the game machine from its shipping skids. *There are three pieces...*
 - The main game cabinet (*LCD cabinet*) ships with its left side on the skid.
 - The CPU cabinet (*Pod*) ships on a separate skid.
 - The marquee (*topper*) arrives in its own carton. You'll find this carton on the skid with the CPU (*Pod*) cabinet. (The marquee box is perpendicular to the CPU cabinet.) You must assemble the marquee and mount it atop the LCD cabinet. (*Instructions appear in this chapter.*)
- [] 3. Check for shipping damage to the following...
 - Cabinet back door
 - Cabinet coin door
 - Cabinet decals
 - Cabinet glass: Marquee and LCD
 - Fish bowls
- [] 4. Check the AC line cord for visible signs of damage. Pay particular attention to the plug and line cord insulation.
- [] 5. At the location, move the LCD (*large*) cabinet upright and stand it on its bottom end. Allow at least three feet of room behind the cabinet for assembly.
- [] 6. This step requires a 3/4-inch end wrench. On the LCD cabinet, adjust the leg levelers as necessary. Leveling cabinets by adjusting leg levelers is a job for two people.

Remove Shipping Insert & Screws

You'll Need These Tools

- 7/16-inch socket
- 3/4-inch end wrench
- #2 Phillips screwdriver
- T15 tamper-proof Torx® driver
- T27 tamper-proof Torx® driver

- [] 1. This step requires a T15 tamper-proof Torx® driver. From the side of the LCD cabinet, remove the speaker panel retaining screws. (One screw on each side of the cabinet.)
- [] 2. At the top of the LCD cabinet is a foam shipping insert. (Look under the cable support from the ball server assembly.) The foam prevents the ball-server trolley from crashing into the ends of the gantry. Remove the insert.
- [] 3. Load the balls (*minimum: four*). Drop the balls onto the top of the playfield.
- [] 4. Pivot the speaker panel away from of the cabinet.
- [] 5. The step requires a 7/16-inch socket. Remove the hex bolts from the upper corners of the viewing glass.
- [] 6. Pivot the front glass out of the cabinet by two feet. (Two hold-back cables restrict maximum travel to two feet.)



⚠ WARNING

Restraining cables. You might need to angle the front glass beyond the extent of restraining cables. (The same applies to the LCD.) In that case, you must disconnect these cables. Take care to protect the fragile glass and LCD. Don't let them free-fall out of the cabinet! The LCD might slam into the control panel and break. The front glass could snap or splinter. Before resting the glass and LCD on the CPU (Pod) cabinet, remove the top panels. Otherwise, the glass or LCD might shatter against the player button. Shards of glass could fly in every direction.

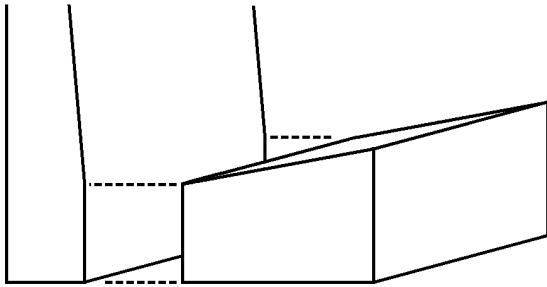
Ⓢ CAUTION

Shipping Screws. You *must* remove the shipping screws. Leaving them in might damage the LCD. See Step 7.

- [] 7. This step requires a #2 Phillips screwdriver. Remove the two shipping screws from the LCD panel. *Removal reduces the chance of LCD damage.*
- [] 8. The step requires a 7/16-inch socket. Fasten the viewing glass to the cabinet frame. Use the two fasteners that you removed during disassembly.
- [] 9. Ease the speaker panel back into position.
- [] 10. This step requires a T15 tamper-proof Torx® wrench. Fasten the speaker panel with the two screws that you removed during disassembly.

Join the Cabinets

- [] 1. This step requires a T15 tamper-proof Torx® wrench. Unscrew and remove the metal access panel at the bottom-front of the LCD cabinet. Without the panel in the way, you can reach the cables.



- [] 2. This step requires a T27 tamper-proof Torx® wrench. Remove the two top panels from the CPU cabinet.
- [] 3. Move the CPU (Pod) cabinet in front of the larger LCD cabinet. The coin door must face the player position.
- [] 4. This step requires a 3/4-inch end wrench. Adjust the two leg levelers on the CPU cabinet. The goal is to make the CPU cabinet even with the LCD cabinet. Leveling cabinets by adjusting leg levelers is a job for two people.

- [] 1. Slide the CPU cabinet flush with the LCD cabinet.
- [] 2. This step requires a 7/16-inch socket. Assemble the LCD cabinet to the CPU cabinet (Pod). Use this hardware from the hardware kit: 1/4-20 x 1-1/2-inch hex head bolts, flat washer and lock washer. The bolts screw directly into the LCD cabinet frame. Installing alternate right and left bolts together is a good idea.








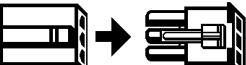


ⓘ CAUTION

When joining cabinets or installing panels, avoid pinching wires.

- [] 3. Route cables through the opening in the rear wall of the CPU cabinet (Pod).
- [] 4. Connect cables between the LCD cabinet and CPU cabinet: Mate these connectors...

Left Side of Cabinet (<i>5 connectors</i>)	Right Side of Cabinet (<i>5 connectors</i>)
<ul style="list-style-type: none"> • HDMI cable • 2-pin connector for ball-server motor • 6-pin connector for trolley motor driver / deadman • 2-pin connector for LCD power • 3-pin connector for solenoid power-enable 	<ul style="list-style-type: none"> • Playfield optos, etc.: 24-pin • Cabinet: 16-pin; switch inputs, lights, chute optos, blower control • 3.5mm audio connector: Woofer & satellite speakers (<i>up high</i>) • AC 3-pin, 3191 series locking • Ground braid from LCD cabinet: Secure it to CPU cabinet braid on right wall of CPU cabinet. Use provided wing nut.

Check 10 connections between cabinets!

Cabt-Left	Cabt-Right
<p>HDMI</p> <p>-HDMI video</p>  <p>1</p>	<p>24/P</p> <ul style="list-style-type: none"> -Pfld optos (18) -Gnd/ +5 -Home/Away Gantry -Home/Away Trolley  <p>6</p>
<p>2/P</p> <p>-Loader motor</p>  <p>2</p>	<p>16/P</p> <ul style="list-style-type: none"> -Gnd/ +24 -Gnd/ +12(A) -Gnd/ +12(B) -Gnd/ +5 -Ball server chute optos 1-4 -Ball loader optos 1&2 -Blower ctl -Blower +12  <p>7</p>
<p>6/P</p> <p>-Trolley motor driver/ deadman</p>  <p>3</p>	<p>3.5 mm</p> <p>-Stereo audio</p>  <p>8</p>
<p>2/P</p> <p>-LCD power</p>  <p>4</p>	<p>3/P</p> <p>-AC power</p>  <p>9</p>
<p>3/P</p> <p>-Solenoid power-enable</p>  <p>5</p>	<p>G</p> <p>-Join braids between cabts</p>  <p>10</p>

Fish Bowl Frenzy Marquee Installation

(This replaces Marquee instructions on page 7 of manual)

1. Check to verify all parts.

- A. (1) Large Plexi Marquee w/LED lights and controller
- B. (1) Metal Mounting Plate w/LED strip attached
- C. (2) Metal Mounting Brackets
- D. Bag of Hardware:

At Least: (10) #8-32 keps nuts

(9) #8-32 machine black screws

(9) black washers

(4) #6 x 1/2" wood screws

A.



B.



C.



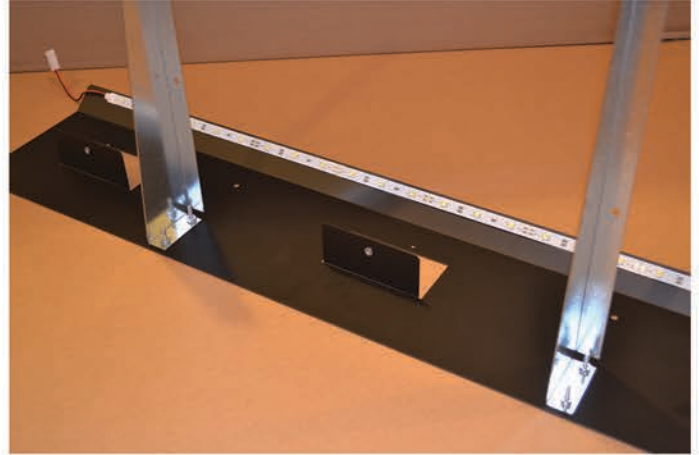
D.



Enlarged to show detail

Fish Bowl Frenzy Marquee Installation

2. Mount the 90° short side of metal brackets to the mounting plate using (2) #8 Keps nuts for each bracket. Make sure the 90° long side of each metal mounting bracket faces the LED lights on the metal mounting plate.



3. Position the Plexi Marquee in front of the metal mounting brackets; position and secure the top hole on each side of the marquee to the top hole on the metal mounting brackets using #8 black machine screws with black washers on the front side face of the plexi.



4. Position and secure the marquee to the center hole of the metal mounting plate using #8 black machine screw with a black washer. This will align the other 6 mounting holes making it easier to fasten the Marquee to the metal mounting brackets and mounting plate.

5. When securing the lower left side of the marquee to the metal mounting plate, make sure not to pinch the wires leading to the controller board between the marquee and mounting plate.



Fish Bowl Frenzy Marquee Installation

6. Place the fully assembled Marquee on top of your Fish Bowl Frenzy cabinet. Position it toward the front of the machine; make sure that the wire leads coming from the top of your Fish Bowl Frenzy cabinet reach the connectors on the Marquee.



7. Secure the assembled Marquee using the (4) #6 x 1/2" Wood screws. There are 4 holes through the metal mounting plate (2 positioned between the LED light strip and Plexi Marquee and 2 positioned behind the Plexi Marquee).



8. Connect the 2 wire lead from the Fish Bowl Frenzy main cabinet to the LED controller board. Connect the 2 wire lead from the Fish Bowl Frenzy main cabinet to the LED light strip.



Inspect Your Work

You'll Need These Tools

- 3/4-inch end wrench

- [] 1. On the back of the LCD cabinet, locate the AC line cord. Plug the line cord into an AC outlet. The switch is on the bottom left side. (As you face the cabinet back.)

Δ WARNING

Ground connection. The game machine requires a grounded, three-wire power outlet. *Never* defeat the ground pin! Ungrounded operation risks electrical shocks and equipment damage.

- [] 2. On the back of the game cabinet, locate the game AC power switch. The switch is on the bottom left side. (As you face the cabinet back.)
- [] 3. Turn on the power switch. After the game finishes loading, the game's Attract Mode should begin. Loading takes about 30 seconds.
- [] 4. Verify that the game starts and Attract Mode runs.
- [] 5. Check the game lamps for any that don't light.
- [] 6. If you're unfamiliar with the game machine's adjustment system, read *Chapter 3* of this manual. Then return to this instruction. Otherwise, enter the Main Menu.
- [] 7. Set pricing as you want it. (Use these menu settings: Coin 1, Coin 2, and Price Per Play.)
- [] 8. Set the volume control for the desired sound level. This control is inside the CPU cabinet (Pod). Inside the upper coin door panel, the control mounts to the right cabinet wall.
- [] 9. On the side of the volume control mount is a slider. This slider controls woofer (bass) volume. Set the woofer control for the desired sound level.
- [] 10. If the sound volume isn't loud enough for your location, go to the Sound Volume Menu.

- [] 11. Set the Sound Volume Menu as necessary.
- [] 12. Go to the Diagnostic Menu.
- [] 13. Select Bowl Opto Switch Tests.
- [] 14. Verify that all bowl trigger switches operate. See the procedure in *Chapter 4. Maintenance, Troubleshooting & Wiring*.
- [] 15. In the menu system, go to Blower and Gantry Tests.
- [] 16. Verify that the ball server trolley (*drop mech*) can drop a ball.
- [] 17. Check that the gantry trolley can travel all the way right and left.
- [] 18. By running the Switch Test, check proper game machine operation.
- [] 19. To verify normal gameplay, play a few games.

ⓘ CAUTION

When joining cabinets or installing panels, avoid pinching wires.

- [] 20. This is a job for two or three people. Move the game machine into to its exact position. For proper ventilation, keep the LCD cabinet at least two inches away from the wall.
- [] 21. This step requires a 3/4-inch end wrench. Adjust the leg levelers on both cabinets as necessary. Leveling cabinets by adjusting leg levelers is a job for two people.
- [] 22. Find the coin door key, cashbox key and ticket door key. The keys are in a red bag. The bag ships in a cardboard box inside the CPU (Pod) Cabinet.
- [] 23. Store the keys in a safe place.

Gameplay

Fishbowl Frenzy is a colorful redemption game with several twists...

- **This is an oversized machine**, standing nine feet tall. Yet every nook is full of action!
- **Animated fish** appear to swim inside 3D fishbowls. The fishbowls actually protrude from the front of the machine.
- **Server.** Using the machine's movable ball server or trolley, the player drops balls into the playfield.
- **Points.** A player earns points by succeeding in landing a ball in one of the fishbowls.
- **Landing a ball** in a bowl causes the system to dispense a number of tickets.
- **Button.** The SERVE BALL button controls a unique ball server chute that rides on a trolley in an overhead gantry.
- **A skilled player** can serve the ball in such a way that it falls into a particular fishbowl.
- **Multiball play** is possible once per game. One of the bowls is the Multiball fishbowl. Below this bowl, you'll notice the sparkling display MULTIBALL. A player earns the Multiball feature by landing a ball in the Multiball fishbowl. Multiball causes the gantry to serve three balls in quick succession. Because the trolley moves while serving, each ball falls in a different location. Any of these balls might drop into a fishbowl, triggering the game machine to vend tickets. During Multiball Mode, every fishbowl dunk adds to the score. Another aspect of Multiball is that it varies from game to game. The Multiball fishbowl doesn't remain in a constant location. Any bowl can be a Multiball fishbowl. Between games, the game machine switches the location of the Multiball fishbowl. Yet in any game, the feature never changes bowls.

Ⓢ CAUTION

Start Mode. When you start the game machine, don't go straight into Diagnostic Mode. Instead, allow the machine to start in Game Mode so that the switches initialize properly. Then after a few moments, you may enter Diagnostic Mode. Otherwise, switches might start in the wrong position during a game, causing a malfunction.

Ⓢ CAUTION

Ventilation. Allow at least two inches of clearance for ventilation between the back of the game machine and the building wall. Otherwise, the wall will obstruct ventilation fans at the top of the cabinet. The machine might overheat.