Curved Runner - Assembly Manual

“No Motor – No Limits”

The Athletic Vision Curved Runner is a fully commercial, self-powered curved treadmill designed for commercial gyms, athletic facilities, training studios, and high-end home gyms.

This manual provides the recommended assembly procedure for installing the upright arms, electrical/power connections, center crossbar, communication cables, resistance cable, shrouds, and final operational components.

All left and right references throughout this manual are based on the user’s position while standing on the treadmill and facing the console

Athletic Vision Curved Runner- Install Video

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1. Product Overview

The Athletic Vision Curved Runner is a motorless, self-powered treadmill. The running belt is powered entirely by the user, allowing unlimited speed and immediate acceleration without the use of an electric drive motor.

Key Features

- 100% self-powered operation (no electricity required)
- Unlimited running speed
- Natural curved running surface
- Adjustable manual resistance
- LCD performance console
- Built-in interval and goal programs
- 100 precision ball bearings
- Commercial-grade construction
- Low-maintenance design
- Front transport handle and wheels

Specifications

- **Use:** Full Commercial
- **Maximum User Weight:** 350 lbs
- **Console:** Speed, Time, Distance & Calories
- **Power:** No external power required
- **Dimensions:** 77” L × 36” W × 63” H

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2. Safety Information

IMPORTANT: Read before beginning installation.

- Installation should be performed by trained personnel.
- Two people are recommended for assembly.
- Keep hands and fingers clear of pinch points during assembly.
- Do not operate the unit with loose or damaged cables.
- Ensure all cables are fully seated and connected before installing the protective shrouds.
- Do not force electrical or communication connectors together.
- Confirm all hardware is securely tightened before use.
- Verify the treadmill is sitting level and stable before operation.
- Perform a complete operational test after assembly.

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3. Tools Included

The following tools may be required for installation:

- Metric Allen wrench set
- Phillips screwdriver
- Flat-head screwdriver
- Utility knife

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4. Unpacking & Preparation

Step 1 — Remove Packaging

1. Carefully remove the outer packaging and protective materials.
2. Inspect the treadmill for any shipping damage.
3. Remove all loose components and hardware from the packaging.
4. Verify that all required assembly components are present.
5. Keep all hardware organized during installation.

Step 2 — Position the Main Frame

1. Place the Curved Runner base in its final use location on a solid, level surface.
2. Make sure there is adequate clearance around the treadmill.
3. Do not begin upright-arm installation until the main frame is stable.

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5. Installing the Upright Arms

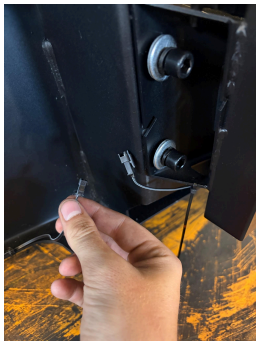
The Curved Runner uses a left and right upright arm assembly.

Step 3 — Install the Left Upright Arm

1. Identify the **left upright arm**. (Resistance adjuster is the **RIGHT** arm)

2. Position the lower portion of the upright arm at the mounting point on the treadmill frame.

3. Carefully align the mounting holes.
4. Before securing the upright completely, locate the **power cable connection at the lower portion of the left upright**.
5. Connect the power cable from the main frame to the corresponding connector on the lower left upright.



6. Make sure the connector is fully seated and secured.

7. Carefully route the cable so it is not pinched between the upright and frame.
8. Install the appropriate mounting hardware.
9. Leave the hardware slightly loose until the remaining frame components are installed.

Step 4 — Install the Right Upright Arm

1. Identify the **right upright arm**.

2. Position the lower portion of the right upright at the mounting point on the treadmill frame.
3. Align the mounting holes.
4. Carefully route any cables through their designated openings.
5. Install the mounting hardware.
6. Leave the hardware slightly loose until the center crossbar has been installed.

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6. Installing the Middle Crossbar

The center crossbar connects the left and right upright arms and provides additional structural support.

Step 5 — Install the Middle Crossbar

1. With assistance, position the **middle crossbar** between the left and right upright arms.
2. Align the mounting holes on both sides.
3. Start the mounting hardware by hand.
4. Do not fully tighten one side before installing the opposite side.
5. Once all hardware has been started, verify that the crossbar is sitting square between the uprights.
6. Tighten the hardware evenly, alternating between the left and right sides.
7. Fully tighten all mounting hardware once the assembly is properly aligned.

NOTE: Do not force the crossbar into position. If the mounting holes do not align, loosen the upright mounting hardware and reposition the uprights before tightening.

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7. Connecting the Communication Cables

The communication cables connect the electronic components located in the uprights and console.

Step 6 — Connect Communication Cables

1. Locate the communication cables coming from the left upright assembly
2. Identify the corresponding connectors.
3. Connect each communication cable to its designated connection point.
4. Make sure each connector is fully inserted.
5. Confirm that the connectors are locked or secured where applicable.
6. Route the cables neatly through the designated cable openings
7. Make sure no cables are pinched, stretched, or rubbing against moving components.

IMPORTANT

Do not install the protective shrouds yet.

All communication and resistance cables should be connected and verified before the shrouds are installed.

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8. Connecting the Manual Resistance Cable

The manual resistance system is located on the **right upright assembly**.

Step 7 — Connect Resistance Cable

1. Locate the resistance cable coming from the right upright assembly

2. Locate the **brake/resistance adjustment mechanism**
3. Route the resistance cable through the designated cable path.
4. Connect the cable to the brake adjustment mechanism
5. Verify that the cable is seated correctly.
6. Secure the cable connection.
7. Slowly operate the resistance adjustment control.
8. Confirm that the brake/resistance mechanism responds correctly.
9. Make sure the cable moves freely without binding or excessive slack.

Resistance Cable Check

Before continuing:

- Confirm the cable is properly seated.
- Confirm the adjustment control moves normally.
- Confirm the brake engagements and releases.
- Make sure the cable is not kinked or pinched.

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9. Console Manual & Installation/Communication Connection

Step 8 — Connect the Console

1. Position the console at the top of the upright assembly.
2. Locate the communication cable connections
3. Connect the communication cables to their respective console connections
4. Verify each connection is fully seated.
5. Carefully route excess cable into the designated cable area.
6. Make sure cables are not trapped underneath the console or mounting brackets.
7. Secure the console to the upright assembly using the appropriate hardware.

8. Tighten the console mounting hardware securely.
9. Hold the “Reset” and “Set” button at the same time to change the units from Kmh to MPH

Console Manual

MODE/SELECT: Press to cycle through functions. Hold for 4 seconds to reset all values except the odometer.

SET: Set a target value.

RESET: Reset the selected value.

DISPLAY FUNCTIONS:

TIME (TMR): Displays workout time.
SPEED (SPD): Displays current speed.
DISTANCE (DST): Displays accumulated distance.
CALORIES (CAL): Displays estimated calories burned.
ODOMETER (TOTAL): Displays total accumulated distance and cannot be reset with the keys.
PULSE (PUL): Displays heart rate when both hands are on the pulse grips.
MODE: Automatically cycles through the available functions.

AUTO ON/OFF: The monitor turns on when exercise begins or a key is pressed. It automatically shuts off after approximately 4 minutes without a signal.

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10. Installing the Protective Shrouds

The shrouds should only be installed after all cables have been connected and checked.

Step 9 — Install Shrouds

1. Confirm that:
- Left upright is secured.
- The right upright is secured.
- The center crossbar is secured.
- Power cables are connected.
- Communication cables are connected.
- Console cables are connected.
- A resistance cable is connected.
- Brake adjustment operates correctly.
2. Position the appropriate shroud over the designated assembly area.

3. Align the mounting holes and tabs.
4. Carefully install the shroud without pinching any cables.
5. Install the shroud hardware.
6. Repeat for the remaining shrouds.
7. Tighten all shroud hardware securely.

IMPORTANT: Never force a shroud into place. If the shroud does not sit correctly, remove it and inspect the machine for interference.

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11. Final Assembly Inspection

Before operating the Curved Runner, perform the following inspection.

Frame

- Verify both upright arms are securely mounted.
- Verify the center crossbar is securely attached.
- Verify all frame hardware is tight.
- Confirm the treadmill is level and stable.

Electrical & Communication Connections

- Verify the lower-left power cable is connected.
- Verify all communication cables are connected.
- Verify console connections are fully seated.
- Confirm no cables are pinched or damaged.

Resistance System

- Verify the resistance cable is connected to the brake adjustment.
- Operate the resistance adjustment through its range.
- Confirm the resistance changes smoothly.

- Confirm the cable does not bind.

Shrouds

- Verify all shrouds are properly installed.
- Verify all shroud hardware is secure.
- Confirm no cables are visible where they could be damaged by moving components.

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12. Operational Test

After completing assembly, perform a complete operational inspection.

Step 1 — Console Check

1. Activate the console according to the operating instructions.
2. Verify the display turns on.
3. Confirm the console is receiving the required communication signals.
4. Verify speed, time, distance, and calorie functions operate correctly.

Step 2 — Belt Check

1. Stand beside the treadmill.
2. Slowly move the running belt by hand.
3. Confirm the belt moves smoothly.
4. Listen for unusual noises.
5. Confirm there is no rubbing, binding, or excessive resistance.

Step 3 — Resistance Check

1. Adjust the manual resistance control to a low setting.
2. Move the belt slowly.
3. Increase the resistance gradually.
4. Confirm the brake/resistance system responds appropriately.
5. Return the resistance control to the desired starting position.

Step 4 — User Test

1. Begin walking at a slow pace.
2. Confirm the belt responds smoothly to the user’s movement.
3. Gradually increase walking speed.
4. Verify the treadmill responds properly to acceleration.
5. Confirm the console continues displaying the appropriate information.
6. Stop the treadmill and perform one final inspection.

13. Final Installation Checklist

- Packaging completely removed
- Main frame inspected for shipping damage
- Left upright installed
- Right upright installed
- Lower-left power cable connected
- Middle crossbar installed
- Communication cables connected
- Console connections secured
- Resistance cable connected to brake adjustment
- Resistance system tested
- All cables routed correctly
- All frame hardware tightened
- Shrouds installed
- Unit leveled and stable
- Console operational
- Running belt inspected
- Resistance system operational
- Complete operational test performed

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14. Maintenance Recommendations

The Athletic Vision Curved Runner is designed for low-maintenance commercial operation.

Routine Inspection

- Wipe down the frame and running surface regularly.
- Inspect the running belt for abnormal wear.
- Inspect cables and connectors for damage.
- Check resistance operation.
- Inspect fasteners and mounting hardware.
- Listen for unusual noises during operation.
- Keep the running surface and surrounding area clean.

IMPORTANT

Any damaged cable, connector, structural component, or resistance component should be inspected and repaired before the treadmill is returned to service.

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15. Troubleshooting

Console Does Not Turn On

Check:

- Lower-left power cable connection.
- Communication cable connections.
- Console connections.
- Cable routing for pinched or damaged wires.

Console Has Missing Information

Check:

- Communication cable connections.
- Connectors for proper seating.
- Cable routing between the uprights and console.

Resistance Does Not Change

Check:

- Resistance cable connection.
- Brake adjustment connection.
- Cable routing.
- Resistance adjustment mechanism for binding.
- Cable tension and seating.

Belt Does Not Move Smoothly

Check:

- Running surface for obstructions.
- Belt alignment.
- Bearings and belt movement.
- Resistance setting.
- Any unusual contact between moving components and the frame.

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16. Final Safety Reminder

The Athletic Vision Curved Runner is designed for demanding commercial use. Proper installation is essential for safe and reliable operation.

Do not place the unit into service until all structural hardware, communication cables, power connections, resistance components, and protective shrouds have been inspected and verified.

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