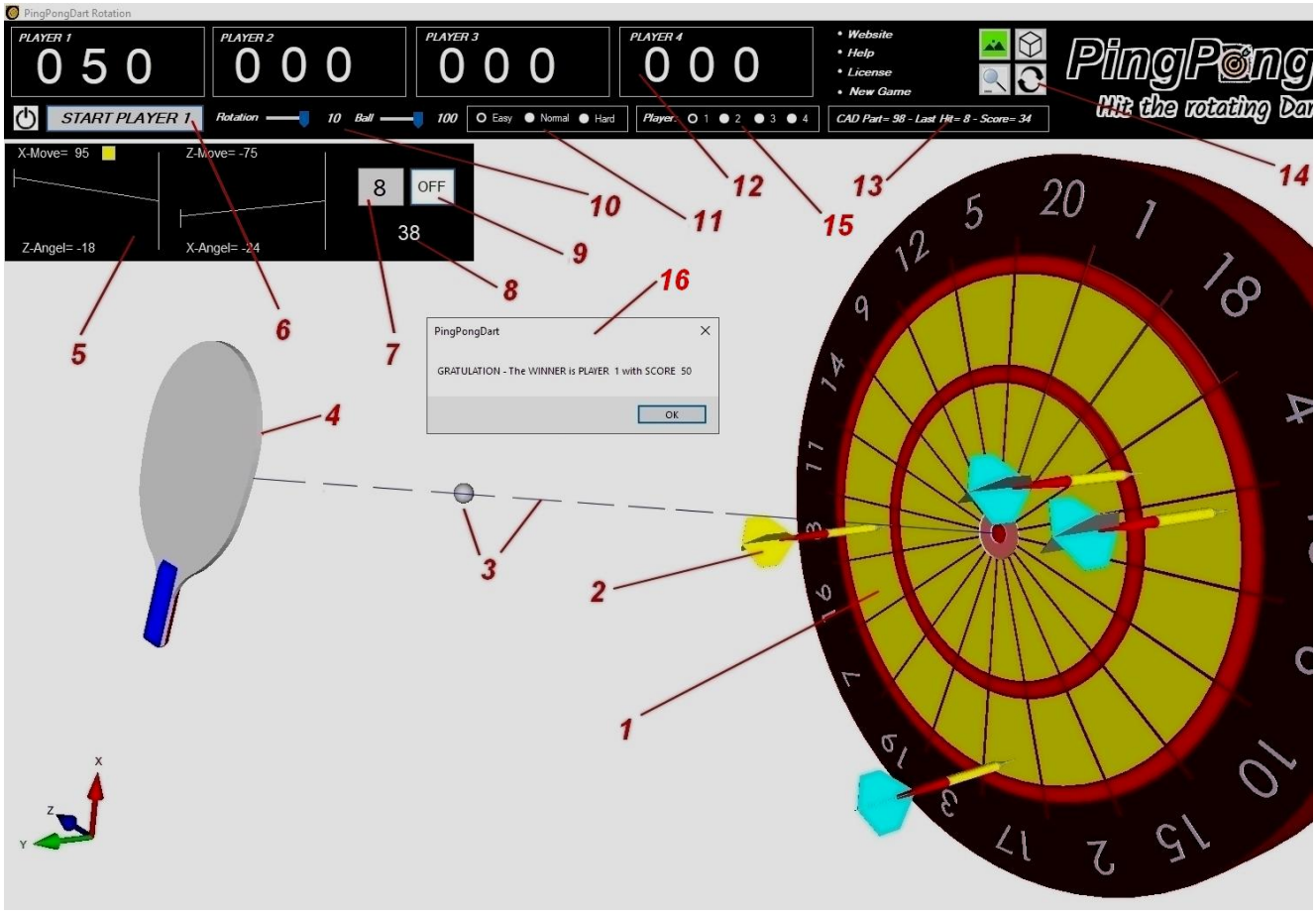
User Manual
PingPongDart

Features

- PingPongDart is a family-friendly PC Game for Windows 11.
- It is particularly well-suited for kids and teens, as it relies on understanding physics rather than shooting or explosions.
- The game is fully 3D - not a 2D dart application with repetitive sequences that become boring over time.
- It supports up to 1 - 4 players and up to 6 darts per game.
- You must hit a rotating dartboard using a ball flying out from the center in a randomly generated direction towards the pingpong paddle.
- With a navigator, the paddle can be precisely positioned in the XY and XZ planes.
- The paddle can be moved up and down with the mouse, and shifted laterally using the mouse buttons, to ensure precise triple hits.
- The target number is generated randomly each time, ensuring that every throw is different.
- Ball speed and rotation speed are also randomized; the higher the speed, the more difficult the shot becomes.

Menu Description



1. Dartboard
2. Darts
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1. Dartboard

The standard dartboard rotates on its own axis at various speeds.

2. Darts

Up to 6 darts per player are available.

3. Ball with Flight direction

The ball always moves from the center of the dartboard toward the table tennis paddle. Both the flight direction and the speed of the ball are determined by a random number generator to avoid repeating the same shots.

4. Table tennis paddle

The table tennis paddle can be moved up and down using the mouse, and tilted and rotated using the right and left mouse buttons. The latter actions require some practice but are essential for accurately hitting the outer triple-score segments.

5. Navigator

Using the navigator, the ball can be precisely returned within 3D space to the segment corresponding to the target number. To assist with this, a directional beam is displayed in the XY and XZ planes, extending from the center of the dartboard to the paddle. To navigate, first press and hold the left mouse button, then move the mouse up and down. Click the left mouse button again to switch between planes.

6. Start button

To begin the game, click the "START PLAYER 1" button; this activates the navigator.

7. Random Number

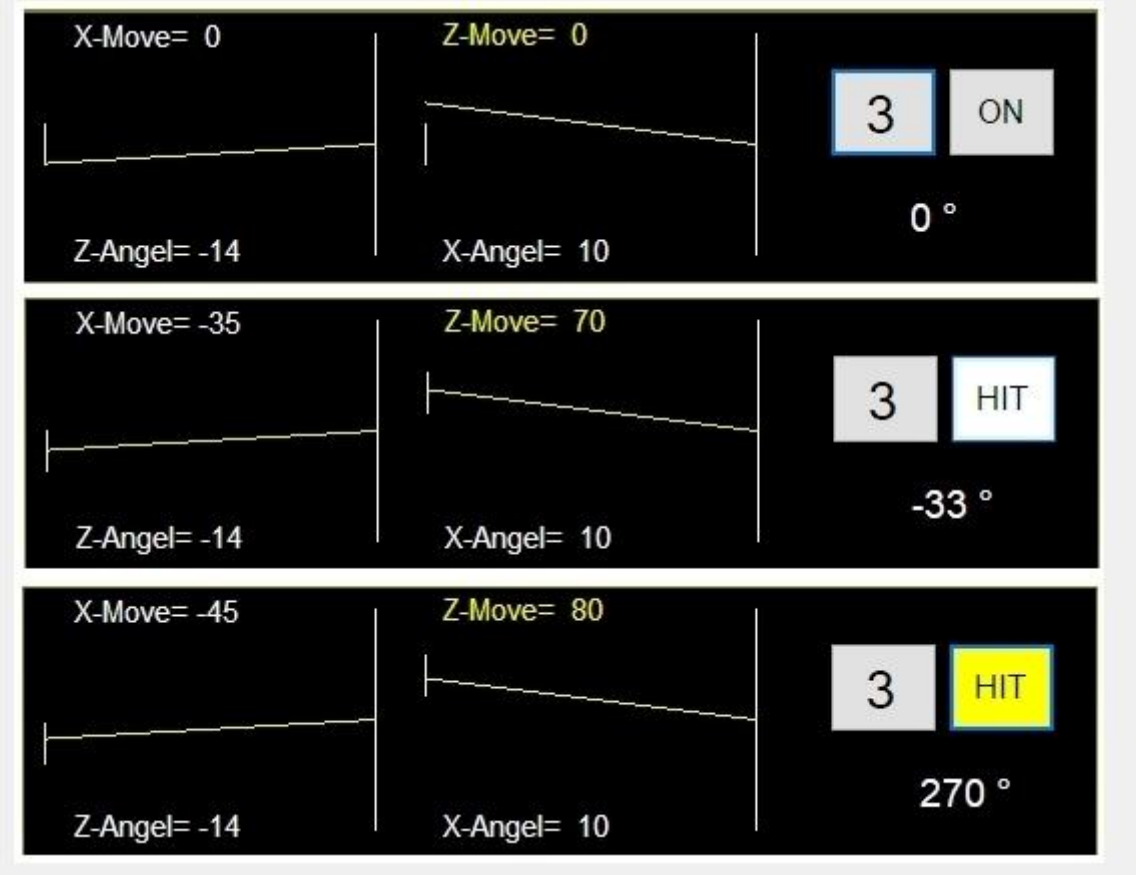
A random number generator selects a new target number (1–20) for each round to avoid repeating the same throw.

8. Timer

The timer allows the ball to be started at the right moment. The correct timing is calculated based on the dartboard's rotation time minus the ball's flight time. However, this calculation is performed automatically in "Easy" and "Normal" difficulty modes.

9. Activation Buttons

Moving the mouse over the area reveals the "ON" button. Clicking it activates the dartboard and the timer, and the "HIT" button appears; as soon as "HIT" lights up yellow, you must click it to hit the target number on the dartboard.



10. Rotation and Ball Speed

Sliders allow you to adjust the rotation speed (from -10 to 10) and the ball speed (from 40 to 100 intervals). The higher the speeds, the harder it is to land a hit.

11. Difficulty Levels

"Easy" Rotation and ball speeds can be adjusted manually.
"Normal" Speeds are determined by a random number generator.
"Hard " Same as "Normal," but the "HIT" button no longer lights up yellow

12. Score Display

Up to 4 players can compete against each other. A flashing yellow indicator shows which player is currently taking their turn and how many darts they have already thrown.

13. Number of Players

Before the game starts, you can set the number of players (from 1 to 4).

14. View Buttons

The background color or background color gradient can be adjusted.

The dartboard view can be zoomed in or out.

The main view is restored for example, after rotation.

The dartboard can be rotated freely in 3D space using the right mouse button.

15. Number of darts

Before the game starts, the number of darts can be set between 2 and 6.

16. Congratulation box

When the game ends, a congratulation box appears, displaying the winner and the final score.

Installation Instructions

Recommended screen resolution

PingPongDart is designed for a screen resolution of 1920 x 1080 pixels. Text scaling should also be set to 100%.

DirectX 11 Installation

A DirectX 11-compatible graphics card is required. DX11 is automatically installed during setup and can also be installed manually from the PingPongDart folder in the Program Files directory.

Also works with TV

Connect your PC to your TV using an HDMI cable and replace your mouse with a wireless Bluetooth Keyboard with Touchpad.

Copy Protection

An encrypted Activation Code is required for each PC.