iCode Arcade Spinner Ultimate

User's Manual

Need Help?

We love to help! If you have any trouble, please contact us at info@icode.com. You can also see walkthrough videos at https://www.icode.com/res

You can help us too!

you are enjoying our products, please take the time to post your reviews on the site you purchased. Your positive reviews will really help us in creating more innovative products.

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Copyright Statement

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Introduction

Premium quality handheld arcade spinner gaming controller that connects to your PC, Raspberry Pi, Mac, Android, or MiSTer for playing Spinner style games. The device can work with almost any emulator that supports mouse or analog game controls.

The high resolution controller inside is unmatched in its precision as it provides fine touch controls with lag-free play thanks to its powerful 133Mhz dual-core cpu delivering near zero response rate.

You can fine tune the sensitivity and acceleration to fully control the feel of the controllers spinner. With high resolution of 600 positions per revolution and exclusive iCode technology, you can decide how much you want to spin and how fast to get from one side to the other in your games without loosing any precision! You get ultimate precision with slow spins while you can get all the way to other sides of the screen with faster spin motions instead of having to spin extended rotations.

Features

- Large 50mm premium quality pure metal alloy spinner has the weight and feel of real arcade spinners
- Grip pattern on the metal spinner provides ultimate spinner grip eliminating accidental slips
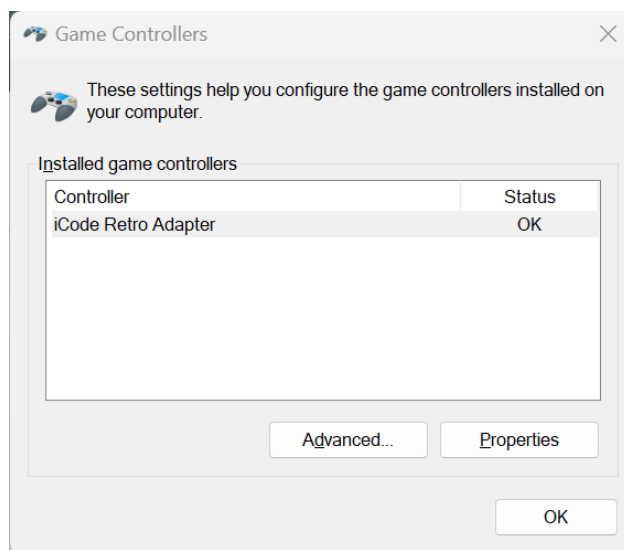
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- Perfect fit for left or right hand with curved edges
- Nice balanced weight for great feel and weight for spinner, yet without being too heavy overall
- LCD screen for easy menu driven configuration and real time response
- Powerful Dual-core 133Mhz processor delivering unmatched responsiveness with practically zero lag.
- 2 Large illuminated arcade buttons
- 8 programmable buttons (6 on top, 1 on each side) to set off any of 32 gamepad or 5 common mouse buttons.
- Mouse Emulation including left, right, middle, back and forward buttons
- Analog Gamepad Emulation can emulate left stick, right stick, d-pad, or a rudder control
- Horizontal and Vertical Axis Control with dynamic ability to use both axis during game play!
- Advanced Acceleration settings allow ultimate control depending on spin velocity (how fast you spin) without looing precision.
- Sensitivity Control allows you to control amount of rotation (how much you want to spin) to get from one position to another.
- Combo hot keys that let you dynamically change settings (such as acceleration, sensitivity, emulation modes, and more) in real-time during game play!
- Adjustable Rapid fire option lets to decide how fast rapid fire will work for each button.
- Switch between right and left hand configuration with buttons automatically flipping their actions in Real-time
- Can be easily disassembled for Arcade Cabinet use.
- Supports second spinner (iCode or Arcade1UP) on included logic board (for arcade cabinets)
- USB-C port and wire included
- Built in Bricks mini-game (similar to breakout) with amazing game play directly on the units LCD display
- Easy to update firmware with new capabilities as they become available.
- No batteries required

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Installation Verification

When you connect the device to your system with the provided USB wire, the system will automatically recognize the device as a gamepad and a mouse, and you will see it on your devices list.
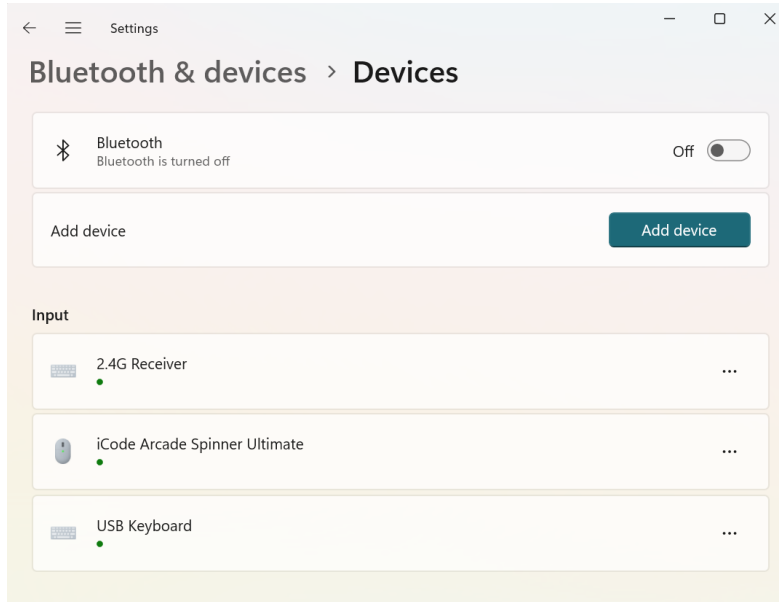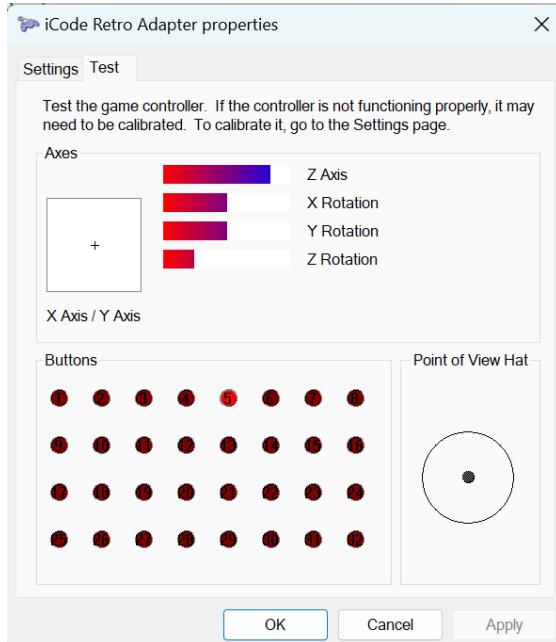

For gamepad detection verification, go to your "Set up USB game controllers" settings in windows control panel. You can get to this also by searching for "set up USB game controllers" from the windows start menu.

Click on the controller and then "Properties" button.

Provided the device is already in gamepad emulation mode (see gamepad emulation later in this document), as you spin the spinner or press buttons on the device, you will see the corresponding axis and buttons update on the screen.

Mouse Emulation vs. Gamepad Emulation

The device can be configured to emulate a mouse, a gamepad, or both at the same time. Depending on the game you want to play, some games support mouse for their spinner control and others will use analog gamepads. Check the emulator and game settings to determine which mode would best work for your game.

You can change the emulation mode two ways on the device. First way is to press the black button to access the settings menu. Then change the "Mode" setting under port 1. The second way is to press and hold the blue button and at the same time press and release the black button to cycle through the emulation modes in real time.

Gamepad modes control what gamepad function (Left Stick, Right Stick, D-PAD, or Rudder) the spinner will emulate. Use "Gamepad Axis" in the settings menu for this option.

Axis Control

You can configure your spinner to normally move your mouse or gamepad position either horizontally (left/right) or Vertically (Up/Down). This can be set from the settings menu (Black button).

During game play, it is possible to dynamically override the default axis while you hold down a particular button, provided that button is setup to be an Axis control. By default, yellow button is configured as Axis control. You can change button configurations from the settings menu.

Sensitivity and Acceleration

Sensitivity controls the amount of rotation required to get from one position to another. Most of the time you want to keep this as Very High so you don't have to spin too much to change positions of your game object.

Acceleration modifies much the game object moves depending on how fast you spin. If you spin very slowly, you have high precision with very little movement, but the faster you spin the more rapidly the game object moves. This should be set to 1 or 2 in most situations, while in some games that are very sensitive you can turn this off and for others you can increase the value if you need more rapid movement.

In most situations, acceleration is the preferred setting to change to get more control over your game object vs. changing sensitivity.

Buttons on the Device

Each of the 8 buttons (6 on top, 1 on each side) on the unit can be configured to emulate any of the 32 gamepad or 5 common mouse buttons (left, right, middle, back and forward clicks).

You can also configure a button to function as an Axis override. When a button is set to control axis, holding the button down while you rotate the spinner will move in opposite axis of the spinner axis set in the settings.

"Button Settings" option is available in the main menu.

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Rapid Fire

Each of the buttons can be configured to continuously fire and release and fire again while you hold down the button. You can also control the duration of each cycle. You can access Rapid fire options from Buttons menu in the settings menu.

Real-time Combo Button Actions

You can press certain combination of keys that will quickly alter specific settings without you having to access the settings menu. This can be very useful during game play to quickly change axis, turn on rapid fire, or change acceleration, and more. Here are all the possible actions you can perform by pressing and holding the button color mentioned and at same time quickly pressing and releasing the BLACK button.

Yellow:	Toggle Axis	**Red:**	Increase Acceleration
Large M:	Swap white buttons	**Large B:**	Increase Sensitivity
Blue:	Change emulation mode	**Green:**	Change Display mode
Left:	Toggle Rapid Fire for left	**Right:**	Change Gamepad Control

Display Settings

There are 4 display settings: Off, Basic, Advanced, and Animated. These can be accessed from the setting menu.

In most cases you will just leave the display settings on Advanced mode. The only display mode that requires some caution is Animated as it can take some system resources and cause a slight response delay or possible choppy movement.

Built-in Mini Games

See the settings menu and you will find an option to turn on a Classic Bricks Mini-Game! High Score is reset when Reset To Defaults is used in the settings menu.

Firmware Updates

Visit https://www.icode.com for firmware updates and instructions. You can put the unit into firmware update mode from the settings menu.

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