

# Nintendo GameCube

Released in 2001, the Nintendo GameCube features a custom IBM PowerPC Gekko CPU and ATI Flipper GPU, housed in a compact, cube-shaped design. Known for its proprietary mini-DVD media and unique controller layout, the GameCube remains a popular platform for modding, repairs, and homebrew development.

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# Product Sheets

Digital instruction sheets for repair kits and component bundles. Each product sheet includes detailed installation steps, diagrams, part lists, and safety notes to guide you through successful repairs. Designed as a convenient electronic reference for customers who have purchased a kit, these documents ensure accuracy and ease during the repair process.

# Power LED & Battery Mod Kit

## Component Guide

### CR2032 3V Battery

CR2032 batteries typically have a lifespan of roughly 10 - 20 years depending on their use and environment. Given the age of the GameCube, the original battery should be replaced. Included with this kit is a new CR2032 3V lithium coin cell battery.

Install the battery holder before inserting the new battery so it doesn't get damaged by heat from your soldering iron.

### 20MM Coin Cell Battery Holder

Having to get your soldering iron out to swap a battery is a pain! That's why this kit comes with a 20MM battery holder so you can easily replace a 2020 or 2032 coin cell battery with ease when the time comes.

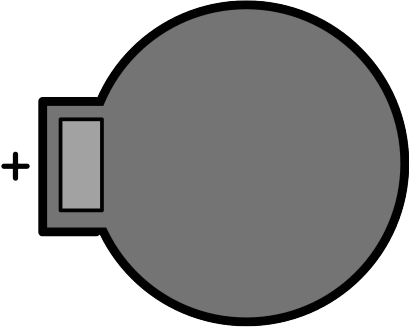
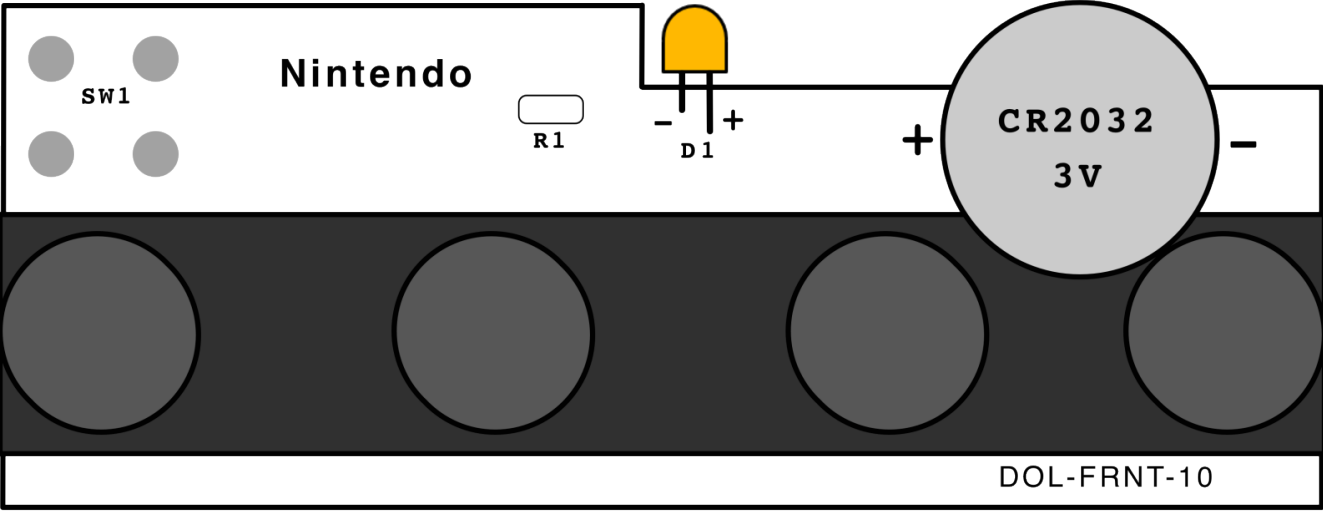
Make sure the positive side, marked with a + on the diagram, faces toward the LED when installed.

### 3MM Color LED

Replacing the stock power LED with a new color LED of your choosing is a simple way to customize your GameCube and make it stand out from the others. Make sure to install the LED with the longer lead (the + side) facing towards the battery.

If you want to save the original LED, mark the positive side with a marker before removing it. That way, if you ever reinstall it you will know which direction it should be.

## Board Layout



# General Information

## Release Dates

- JP: September 14, 2001
- NA: November 18, 2001
- EU: May 3, 2002
- AU: May 17, 2002

Discontinued world wide in 2007.

## Technical Specifications

### CPU

485 MHz IBM "Gekko" PowerPC CPU based on the 750CXe and 750FX

### GPU

ATI Flipper GPU @162 MHz with 3MB embedded 1T-SRAM

### Memory

- 24 MB of 1T-SRAM @ 324MHz as system RAM
- 3 MB of embedded 1T-SRAM as video RAM
- 16 MB of DRAM as I/O buffer RAM