

## HP 17Bii+

# HP 17Bii+ Financial Calculator User Manual

Model: 17Bii+

## INTRODUCTION

This manual provides comprehensive instructions for the operation and maintenance of your HP 17Bii+ Financial Calculator. Designed for professionals and students, this calculator offers a wide range of financial, statistical, and business functions to assist with complex calculations.

The HP 17Bii+ features a 2-line, 22-digit LCD display, 28K user memory, and supports both RPN (Reverse Polish Notation) and algebraic data-entry modes. It includes over 250 built-in functions for various financial computations.

## GETTING STARTED: SETUP

### Battery Installation

The HP 17Bii+ calculator operates on two CR2032 batteries. To install or replace batteries:

1. Locate the battery compartment cover on the back of the calculator.
2. Use a small screwdriver or coin to open the cover.
3. Insert two new CR2032 batteries, ensuring correct polarity (+/-).
4. Replace the battery compartment cover securely.

**Note:** Always replace both batteries simultaneously to ensure optimal performance.

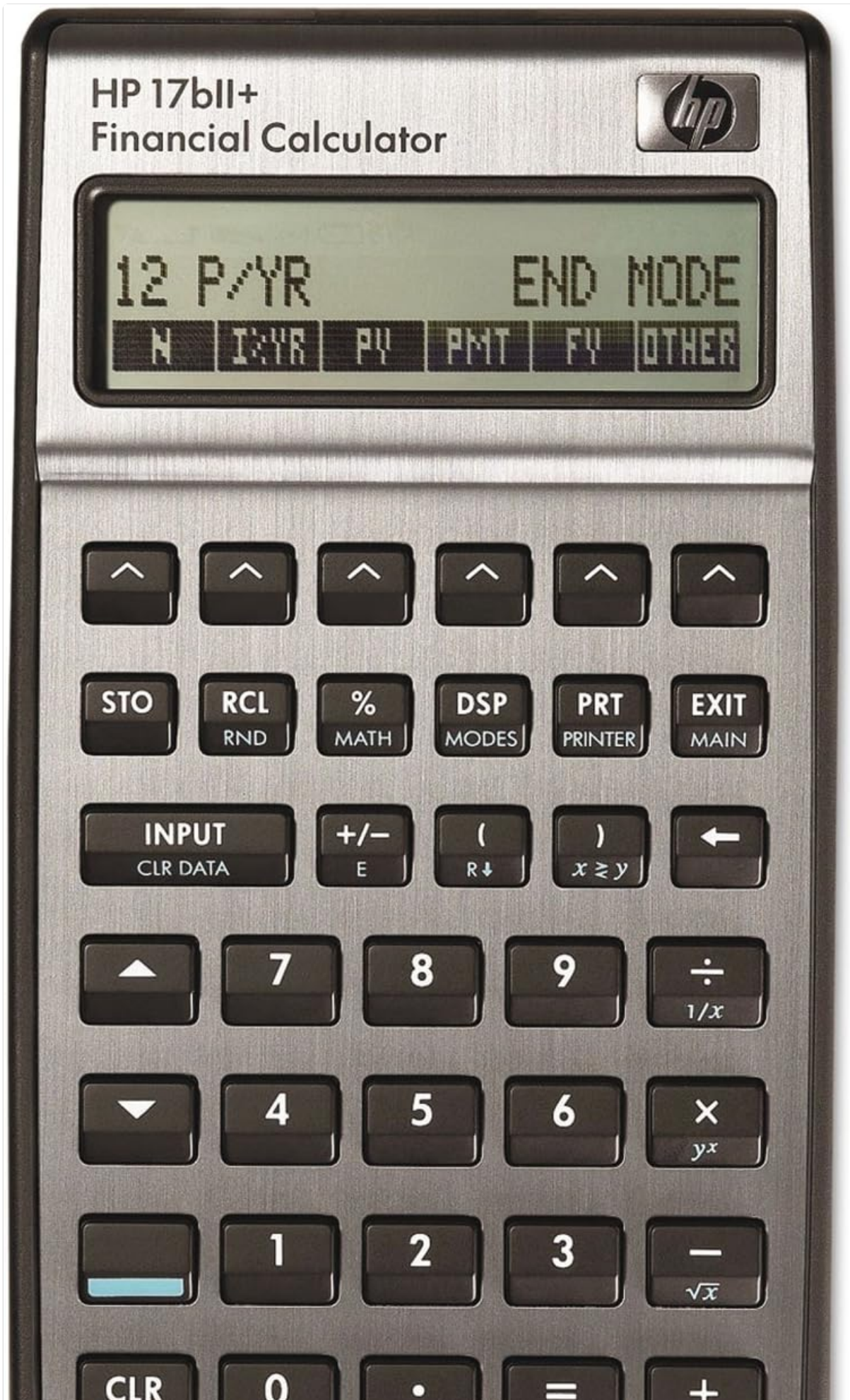
### Initial Power On and Language Selection

Press the **ON** button (located below the **CLR** key) to power on the calculator. Upon first use or after battery replacement, you may be prompted to select a language. The calculator supports German, English, Spanish, French, Italian, and Portuguese. Use the arrow keys to navigate and **ENTER** to confirm your selection.

## OPERATING INSTRUCTIONS

### Keypad Overview

The HP 17Bii+ keypad is organized for efficient financial and mathematical operations. Refer to the image below for key locations and labels.





**Image Description:** A full view of the HP 17Bii+ Financial Calculator. The calculator has a silver brushed metal finish with black keys. The top section features a 2-line LCD display showing "12 P/YR" and "END MODE" with soft key labels "N", "I/YR", "PV", "PMT", "FV", "OTHER" below. Below the display are four arrow keys for menu navigation. The main keypad includes standard numeric keys (0-9, decimal point), arithmetic operators (+, -, x, /), and dedicated financial function keys such as STO, RCL, %, DSP, PRT, EXIT, INPUT, +/-, (, ),  $x \geq y$ , and CLR. The bottom row includes CLR OFF/ON, 0 MEM, . SHOW, = LAST/ENTER, and  $+ x^2$  keys.

- **Display:** The 2-line, 22-digit LCD shows input, results, and menu options.
- **Soft Keys:** The keys directly below the display change function based on the current menu or application.
- **Numeric Keypad:** Standard 0-9 digits and decimal point.
- **Function Keys:** Dedicated keys for various operations (e.g., STO for Store, RCL for Recall, DSP for Display modes).
- **Shift Keys:** Some keys have secondary functions accessed by pressing a shift key (e.g., the blue shift key, indicated by the blue bar on the CLR key).

## Data Entry Modes: RPN and Algebraic

The HP 17Bii+ supports two primary data entry modes:

- **RPN (Reverse Polish Notation):** Data is entered first, followed by the operation. For example, to calculate  $2 + 3$ , you would press **2 ENTER 3 +**.
- **Algebraic:** Operations are entered between numbers, similar to standard mathematical notation. For example, to calculate  $2 + 3$ , you would press **2 + 3 =**.

You can switch between these modes via the **DSP MODES** menu.

## Financial Functions

The calculator provides extensive financial capabilities, including:

- **Time Value of Money (TVM):** Calculate N (number of periods), I/YR (interest rate per year), PV (present value), PMT (payment), and FV (future value).
- **Amortization:** Determine principal and interest components of loan payments.
- **Mortgages and Balloon Payments:** Analyze loan structures with varying payment schedules.
- **Internal Rate of Return (IRR) and Net Present Value (NPV):** Evaluate investment profitability.
- **Bonds:** Perform bond calculations.
- **Currency Conversions:** Facilitate international financial transactions.
- **Percentages:** Calculate markups, discounts, and percentage changes.

Access these functions through the dedicated financial menus, often initiated by the soft keys below the display.

## Statistical and Business Functions

The HP 17Bii+ also supports:

- **Two-Variable Statistics:** Analyze data sets with two variables.
- **Forecasting:** Project future trends based on historical data.

## Clock, Calendar, and Alarm

The calculator includes a built-in clock, calendar, and alarm functions. These can be accessed and configured through the appropriate menu options, typically found under the **OTHER** soft key or a dedicated utility menu.

## MAINTENANCE

### Cleaning

To clean your calculator, use a soft, damp cloth. Do not use abrasive cleaners or solvents, as these can damage the display or casing. Ensure the calculator is powered off before cleaning.

### Battery Replacement

When the display becomes dim or the calculator behaves erratically, it is time to replace the batteries. Refer to the "Battery Installation" section under "Getting Started: Setup" for detailed instructions. Always use two new CR2032 batteries.

### Storage

Store the calculator in a cool, dry place away from direct sunlight and extreme temperatures. If storing for an extended period, it is recommended to remove the batteries to prevent leakage.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Calculator does not turn on.	Dead or incorrectly installed batteries.	Replace batteries with new CR2032 cells, ensuring correct polarity.
Display is dim or faded.	Low battery power.	Replace batteries. Adjust display contrast if available in settings.
Incorrect calculation results.	Incorrect data entry mode (RPN vs. Algebraic), incorrect function usage, or previous data in memory.	Verify data entry mode. Clear all memory ( <b>CLR DATA</b> ). Review the specific function's instructions.
Calculator freezes or becomes unresponsive.	Temporary software glitch.	Press and hold the <b>ON</b> button for a few seconds to force a reset. If problem persists, remove and reinsert batteries.

## SPECIFICATIONS

- **Model:** HP 17Bii+
- **Display:** 2-line, 22-digit LCD
- **Memory:** 28K user memory
- **Data Entry Modes:** RPN, Algebraic

- **Built-in Functions:** Over 250 (financial, statistical, business)
- **Power Source:** 2 x CR2032 batteries
- **Dimensions:** 9.4 x 3.19 x 5.71 inches (Product Dimensions)
- **Weight:** 3.84 ounces (Item Weight)
- **Supported Languages:** German, English, Spanish, French, Italian, Portuguese
- **Enclosure Material:** Plastic

## WARRANTY AND SUPPORT

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For warranty information and technical support, please refer to the official HP website or contact HP customer service. Keep your purchase receipt as proof of purchase for warranty claims.

Online resources and additional documentation may be available on the [HP Support Website](#).