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Texas Instruments 84PLCE/PWB/2L1/A

TI-84 PLUS CE Graphing Calculator User Manual

Model: 84PLCE/PWB/2L1/A

Introduction

This manual provides comprehensive instructions for the Texas Instruments TI-84 PLUS CE Graphing Calculator. It covers setup, operation, maintenance, and troubleshooting to ensure you get the most out of your device. The TI-84 PLUS CE is designed to facilitate the comprehension of math and science topics with its high-resolution, full-color backlit display and advanced functionality.

Product Overview

Key Features

- High-resolution, full-color backlit display
- Sleek Design
- TI Rechargeable Battery
- Familiar 84 Plus Family Functionality
- Ability to import and use images

Components

The TI-84 PLUS CE calculator features a robust design with a clear, color display and a comprehensive keypad. It includes a rechargeable battery for extended use.

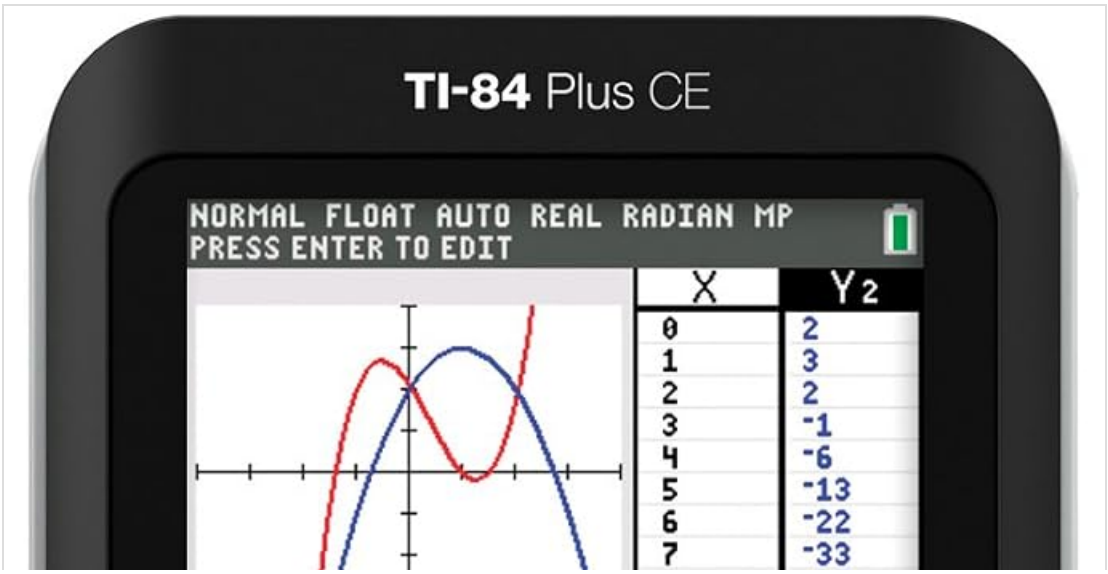




Figure 1: Front view of the TI-84 PLUS CE Graphing Calculator. This image shows the calculator's full-color display with a sample graph and data table, highlighting its intuitive interface and key layout.



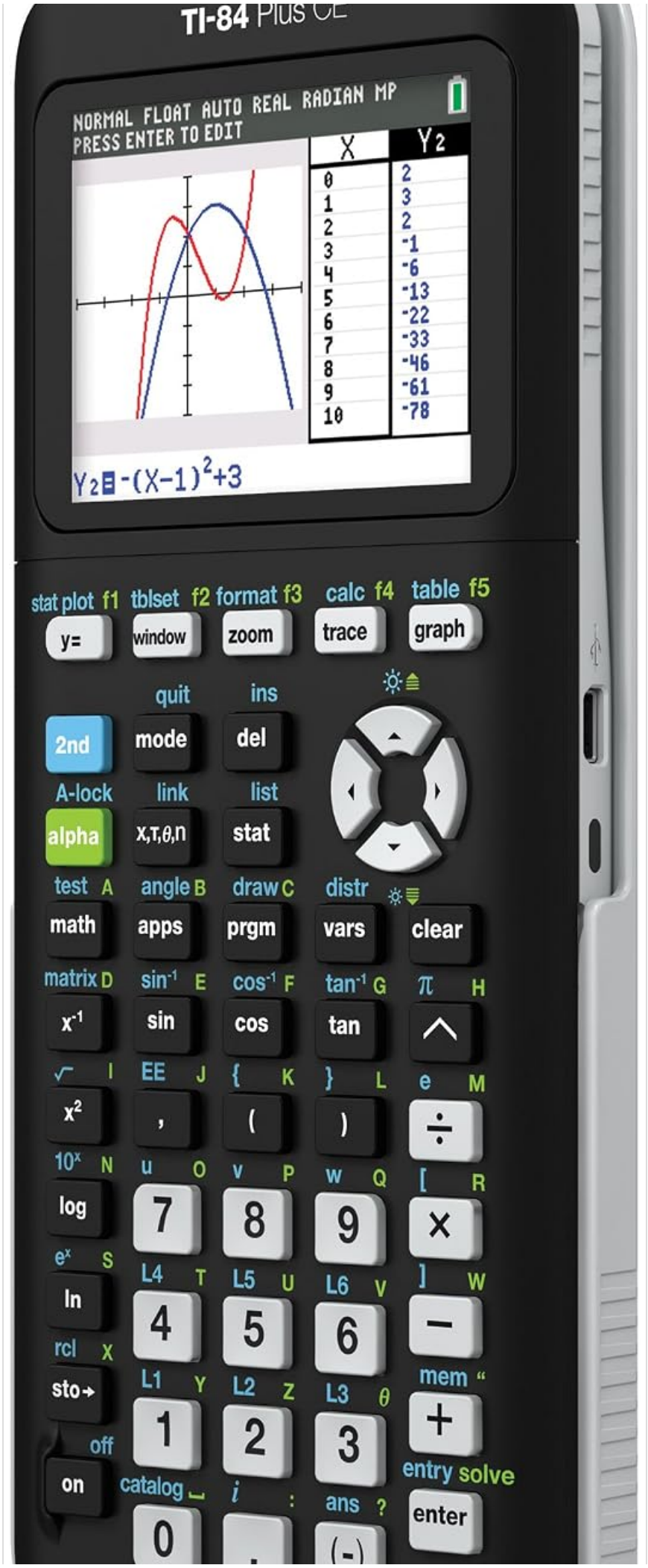

TI-84 Plus CE
NORMAL FLOAT AUTO REAL RADIAN MP
PRESS ENTER TO EDIT
X Y2
0 2
1 3
2 2
3 -1
4 -6
5 -13
6 -22
7 -33
8 -46
9 -61
10 -78
Y2=-(X-1)^2+3
stat plot f1 tblset f2 format f3 calc f4 table f5
y= window zoom trace graph
quit ins
2nd mode del
A-lock link list
alpha X,T,θ,n stat
test A angle B draw C distr
math apps prgm vars clear
matrix D sin-1 E cos-1 F tan-1 G π H
x-1 sin cos tan
√ I EE J { K } L e M
x2 , ( ) ÷
10x N u O v P w Q [R
log 7 8 9 ×
ex S L4 T L5 U L6 V] W
ln 4 5 6 −
rcl X mem "
sto→ L1 Y L2 Z L3 θ +
off 1 2 3
on catalog i : ans ? entry solve
0 . (-) enter



Figure 2: Angled view of the TI-84 PLUS CE Graphing Calculator. This perspective provides a clearer look at the calculator's sleek design and the arrangement of its various function keys.

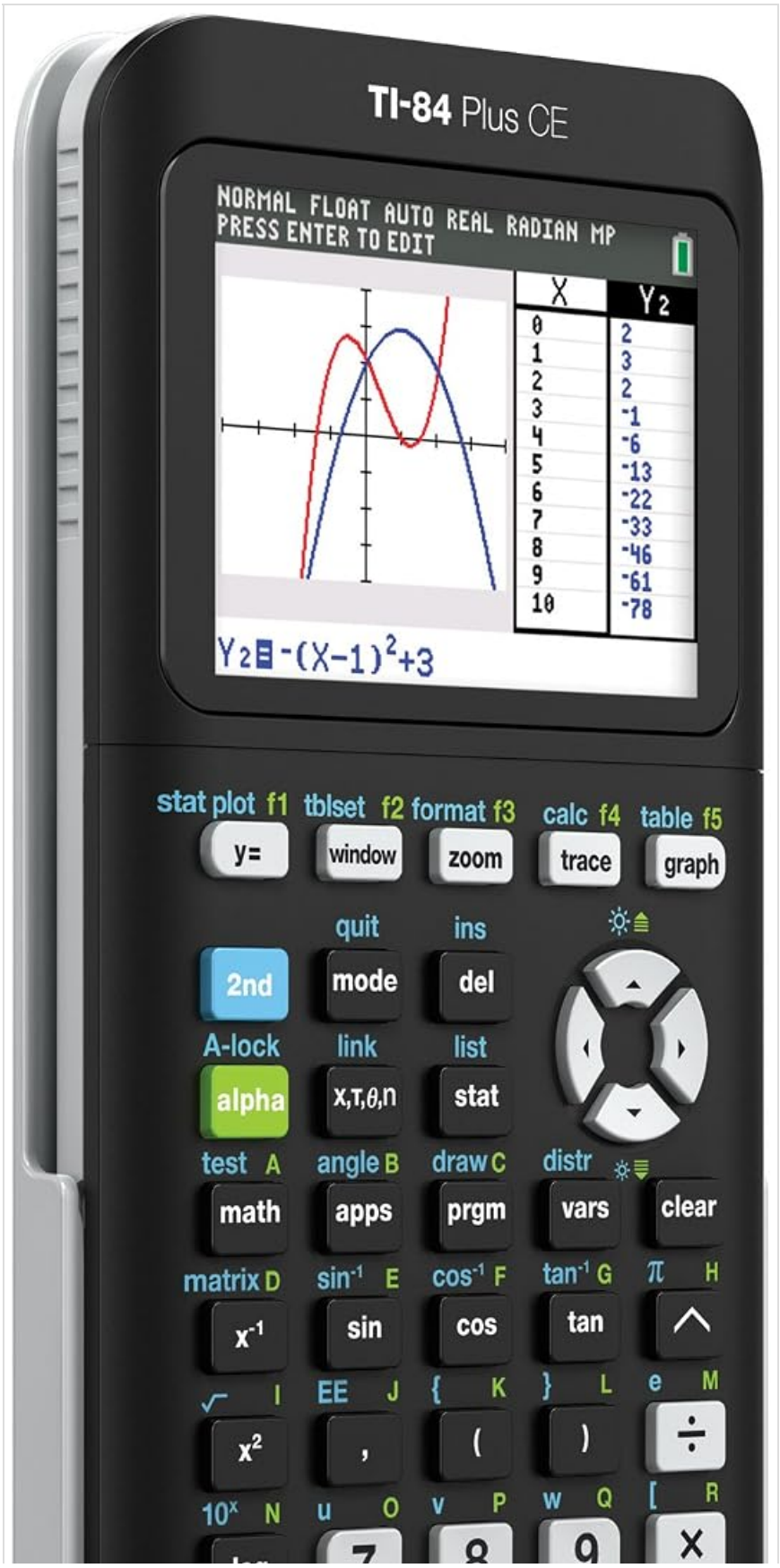




Figure 3: Alternative angled view of the TI-84 PLUS CE Graphing Calculator. This image further illustrates the calculator's compact and modern form factor.

Setup

Charging the Calculator

The TI-84 PLUS CE comes with a rechargeable Lithium Metal battery. Before first use, or if the battery is low, connect the calculator to a power source using the provided USB cable. A full charge typically takes approximately 4 hours. The battery indicator on the screen will show charging status.

Initial Power On

To turn on the calculator, press the **ON** button located at the bottom left of the keypad. The screen will illuminate, and the calculator will be ready for use.

Operating Instructions

Basic Operations

Perform standard arithmetic operations using the numeric keypad and operation buttons (+, -, *, /). Use the **ENTER** key to execute calculations. The calculator supports complex expressions and order of operations.

Graphing Functions

To graph an equation, press the **Y=** button, enter your function(s), and then press **GRAPH**. Adjust the viewing window using the **WINDOW** button. Utilize the **TRACE** and **CALC** functions to analyze graphs, find intercepts, minimums, maximums, and more.

Using Pre-loaded Apps

The calculator includes various pre-loaded applications. To access them, press the **APPS** button. Navigate through the list using the arrow keys and press **ENTER** to select an application. These apps extend the calculator's functionality for specific mathematical and scientific tasks.

Maintenance

Battery Care

To maximize battery life, avoid fully discharging the calculator frequently. Recharge the battery when the low battery indicator appears. Store the calculator in a cool, dry place when not in use for extended periods.

Cleaning

Clean the calculator's screen and casing with a soft, dry cloth. Do not use liquid cleaners, abrasive materials, or solvents, as these can damage the display or finish. Keep the calculator free from dust and debris.

Troubleshooting

Common Issues and Solutions

- **Calculator will not turn on:** Ensure the battery is charged. If the battery is fully depleted, it may take a few minutes of charging before the calculator responds. Try pressing the **ON** button firmly.
- **Screen is blank or dim:** Adjust the display contrast by pressing **2nd** then the **UP** or **DOWN** arrow keys. Ensure the battery is charged.
- **Calculator is frozen:** Press and hold the **ON** button for several seconds to perform a soft reset. If this does not work, remove and reinsert the battery (if applicable for your model, though this model has a built-in rechargeable battery, a hard reset might involve a small reset button if available, consult the official user guide).
- **Error messages:** Refer to the official Texas Instruments user guide for specific error code explanations and solutions.

Specifications

Attribute	Value
Product Dimensions	8.6 x 6.1 x 1.8 inches
Item Weight	10.6 ounces
Item Model Number	84PLCE/PWB/2L1/A
Batteries	1 Lithium Metal battery (included)
Manufacturer	Texas Instruments
Color	Black
Calculator Type	Graphing
Power Source	Battery Powered
Screen Size	2.8 inches

Warranty and Support

Texas Instruments provides a limited warranty for its products. For detailed warranty information, please refer to the official documentation included with your purchase or visit the Texas Instruments website. For technical support, FAQs, and additional resources, please visit the official Texas Instruments support page.
An official User Guide is available for download: Download User Guide (PDF)

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Details

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