

Introduction

Welcome to the user manual for the Calculator application. Thank you for your trust and for using our application. This manual will guide you through the complete installation, usage, and possible uninstallation of the program. If you have any questions or suggestions, do not hesitate to contact us.

System Requirements

The application is designed for the **Linux Ubuntu 64-bit** operating system. Its functionality may be limited on other distributions. The recommended free disk space is at least **100 MB**.

Installing the Application

1. Download the installation file from the release section of the official [GitHub repository](#).
2. Open the terminal and navigate to the folder where the installation file is stored (e.g., ~/Downloads/). The installation package is named `calculator.deb`.
3. Start the installation by running the command:

```
sudo apt install ./calculator.deb
```

4. During installation, confirm the prompt by pressing **Y**.
5. If the installation fails, ensure you have administrative rights and run the command again.
6. After successful installation, launch the application by entering `calculator` in the same terminal window or by clicking on the calculator icon in the application list.

Uninstalling the Application

To remove the application, open the terminal and enter the command:

```
sudo apt remove calculator
```

If prompted to confirm the action, press **Y**.

User Guide

Button	Operation
+	Addition
-	Subtraction
×	Multiplication
÷	Division
!	Factorial
√	Square Root
Clear	Reset
Del	Delete individual digits
,	Decimal point
Help	Help table
^	Exponentiation
log	Logarithm



Manual Installation from Source Code

Prerequisites

- `g++` version ≥ 9
- `cmake` version ≥ 3.16
- `make`
- Qt5 with the following modules:
 - Core
 - Gui
 - Widgets
- `libc6`
- `cpack` (bundled with `cmake`, used for generating `.deb` packages)

Installation Process

1. Extract the repository archive to the desired folder, e.g., `~/Desktop/Calculator`.
2. Open the terminal and navigate to the `src` directory:

```
cd ~/Desktop/Calculator/src
```

3. Start the build process by running:

```
make
```

4. If the compilation fails, ensure you have installed the correct versions of all dependencies.
5. Navigate to the `../build` directory.
6. Run the calculator located in this folder using:

```
./calculator
```

7. In the same folder, you will find the installer `calculator.deb`. To install using this method, repeat the installation instructions from the section above.