Omnicalc Font Editor

This document should look the way as intended if it stays at a PDF. Unless you have the `Impact`, `Ubuntu Regular`, and `Ubuntu Mono` fonts, you should NOT change the formatting of this document!

Omnicalc is an awesome tool to expand usability on your calculator. But have you noticed, you can create your own fonts for use in the TI-OS? Unfortunately, Omnicalc does *not* have a built-in font editor, meaning you have to hunt down a calculator website to find one. You might have done just that for this file, and I'm glad you downloaded this.

Let's get editing!

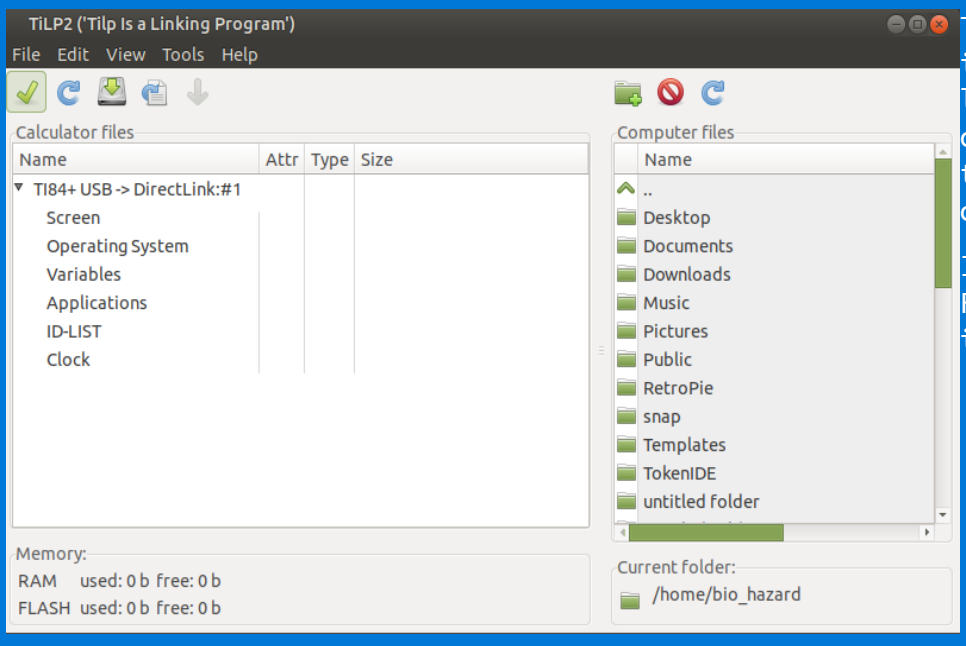
>> Setting everything up

To get everything ready, there are some files you need to send. If you're a experienced with calculators and it's needed software, you can skip ahead. If not, keep reading.

You may use whatever linking software you want. But in my case, I only have TiLP2 installed. So I'll show you how to send files with that. After, I'll also tell you how to send with TI Connect and TI Connect CE.

> Sending Files with TiLP2

So first thing, open TiLP2.

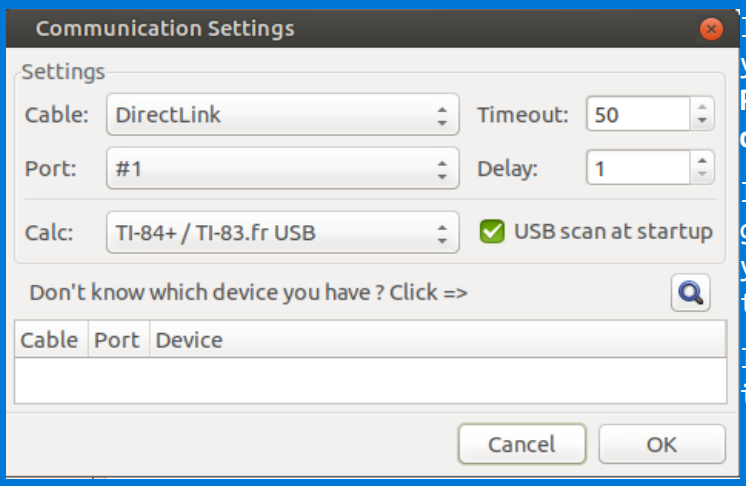


This is what the user interface should look like. Depending on your operating system, some things may look different.

I am on Ubuntu MATE Focal, so this is what it looks like for me.

If you already set up your calculator, press the (refresh) button.

If not, press *[Ctrl]+[D]* to set up a new device. Make sure you have the permissions to access USB devices, that includes calculators.

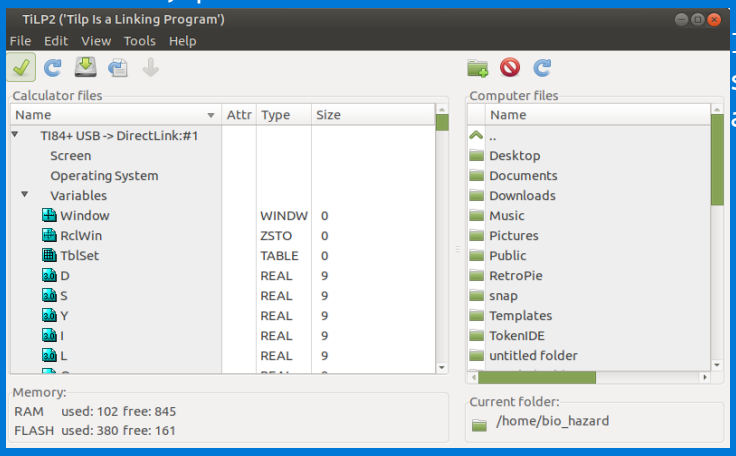


If you know how to set TiLP2 up for your calculator, change the **Cable, Port, Calculator type, Timeout, and delay.**

If not, just click that magnifying glass icon and it will search for you. Make sure your calculator is at the home screen and turned ON!

If it shows up below, click the information then press [OK].

Like above, press the refresh button. It will parse all files and will show them.



If successful, it will show the storage information on the bottom, and the files inside the left window.

Now you have everything set up, it's time to send the files. Click **File** then **Send Files.**

Navigate to the `Omnicalc Font Editor` you just extracted from. You need to select the files that are in the `Applications` folder (Sorry, but this will take up 32,768 bytes of archive for the apps) and the `Programs` folder.

PLEASE GARBAGE COLLECT BEFORE SENDING.

When you select them, click [Open]. The files should send.

> Sending files with TI Connect

Start TI Connect. Find the option that says `Send to TI Device`. Notice it will say “Sending to nothing”. Find the button to send to your calculator and wait for your calculator to show up.

This software is old and slow, so it may take a while to populate.

Navigate to the `Omnicalc Font Editor` you just extracted from. You need to select the files that are in the `Applications` folder (Sorry, but this will take up 32,768 bytes of archive for the apps) and the `Programs` folder.

PLEASE GARBAGE COLLECT BEFORE SENDING.

Click [Open] and select the files to send.

Grab a drink or a quick snack, because this take about ~30 seconds to send all the files and apps.

> Sending files with TI Connect CE

It may depend on the version you are using. For versions older than 5.4, select the `Calculator Explorer` on the left.

For versions 5.4 and newer, select the magnifying glass on the left and it will refresh. The files will be shown on the right. Click the icon on the top where the arrow is pointing **away** from the laptop icon.

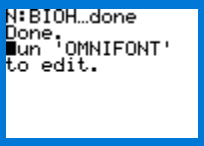
PLEASE GARBAGE COLLECT BEFORE SENDING.

Choose the files and click [Open] to send.

>> Creating fonts

To use the editor, you need to create a font. Find the `NEWOFONT` (New Omnicalc Font) and run it.

Type the name you want the font to be. Then press enter.



When the font is created, it will show what’s on the left.

Run `OMNIFONT` to edit.

Yes, I know. This font creator seems rushed, right? Well it was.

I will change all of this in a future update, but this is what I did for now.

PLEASE KEEP IN MIND FONTS ARE STORED AS PROGRAMS IN RAM. IF A CRASH OR RESET OCCURS, ANY FONTS THAT ARE NOT IN ARCHIVE ARE LOST. PLEASE BE CAREFUL!!!

>> Editing fonts

Due to reasons on how the program is structured, I cannot provide screenshots.

But anyways, run the program. A fancy `F` in a black square will show. Once it vanishes the font selection will show. Choose the font name to edit. Use the *[left]* and *[right]* arrow keys to choose the name. Press *[enter]* to choose and *[clear]* to cancel.

To choose a character, use the arrow keys to select it. Use the left and right keys to advance one place and the up and down to advance sixteen places.

Press *[enter]* to choose the character to edit. Then use the arrow keys to move the cursor and *[2nd]* to toggle the selected pixel.

Press *[enter]* to save it and return to the character selection.

Press *[clear]* to save and quit.

>> Using fonts

To use a font you made, run `Omnicalc` in the *[apps]* menu and and press *[enter]* twice. Find the option that says `Font sets` and select it. Use the left and right arrow keys to select the font you want.

NOTE: FOR A FONT TO SHOW UP AND BE INSTALLABLE, IT MUST BE IN RAM AND EDIT-LOCKED. IT CAN ONLY CONTAIN THE SINGLE LINE OF DATA IN THE PROGRAM. THEY CANNOT BE APP VARS.

Press *[2nd]* to choose the font to install. Press *[clear]* to return to the main menu and select the first option to install Omnicalc. Since you used Celtic III to use the editor, some OS hooks are used and Omnicalc needs them to be usable. Overwrite the hooks by selecting *[OK]*.

>> Conclusion

That's it! If you have any suggestions, comments, or complaints please visit **Cemetech.net** (assuming you have deh internetz, but I assume you do if you got your hands on this file).

>> Information

Even though this font stuff is great, the original idea for the editor was **NOT** mine. The original author is **Zeda** on ticalc.org and Cemetech, and the original credit belongs to her.

Of how awesome she is, she has allowed be to fix and reuse her program. Most of everything has been changed, so BIG shout-out to her and her skills.

Couldn’t have done it without her.

If you want to try out her original editors, they are included in this archive.

FILES: NEWOFONT, OMNIFONT, Celtic 3, Omnicalc

SIZE: About ~67k

AUTHOR: BioHazard, Xeda Elnara

CHANGELOG

>> 0.80

- Initial Release.