



Android engineer terminal tool v.1.1 stable

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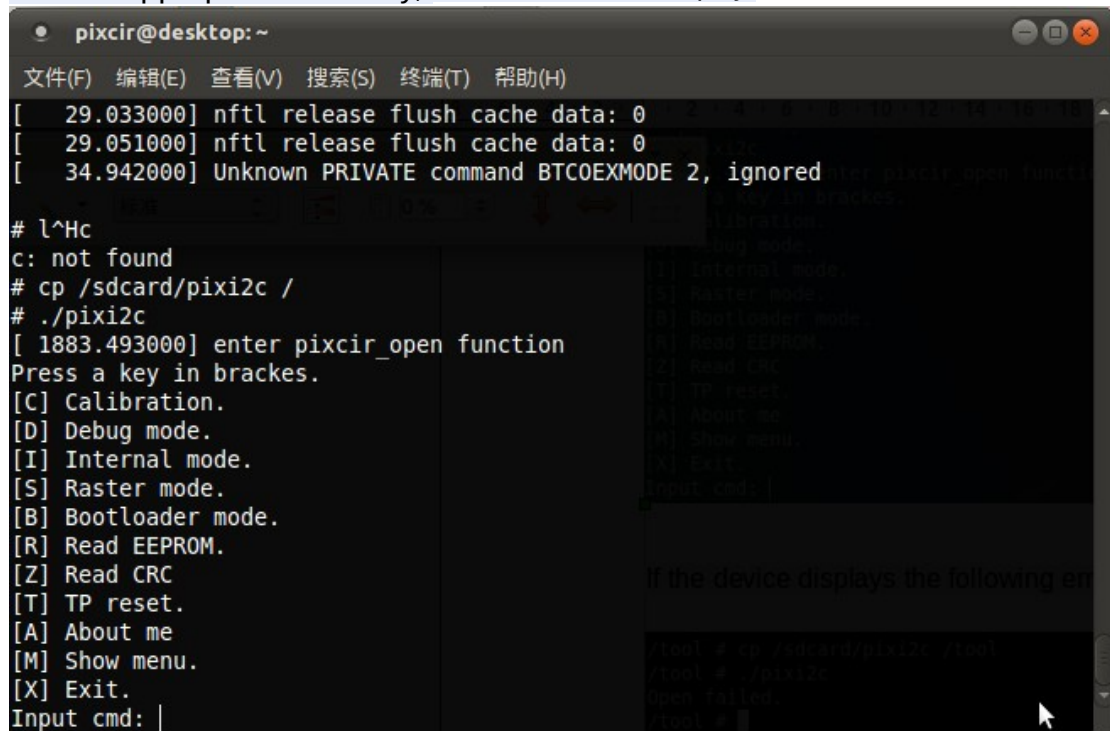
Abstact

This is a debugging tool HyperTerminal android I2C, according to the characters in brackets corresponding command execution, run the platform arm9, arm11.

Need to save the raw data of the user, the program copied to "/ data" path, the path for the user to read and write.

1. Install and run.

To pixi2c copied to the system through the HyperTerminal program execution into the appropriate directory, such as the menu display:



```
pixcir@desktop: ~
文件(F) 编辑(E) 查看(V) 搜索(S) 终端(T) 帮助(H)
[ 29.033000] nftl release flush cache data: 0
[ 29.051000] nftl release flush cache data: 0
[ 34.942000] Unknown PRIVATE command BTCOEXMODE 2, ignored
# l^Hc
c: not found
# cp /sdcard/pixi2c /
# ./pixi2c
[ 1883.493000] enter pixcir_open function
Press a key in brackets.
[C] Calibration.
[D] Debug mode.
[I] Internal mode.
[S] Raster mode.
[B] Bootloader mode.
[R] Read EEPROM.
[Z] Read CRC
[T] TP reset.
[A] About me
[M] Show menu.
[X] Exit.
Input cmd: |
```

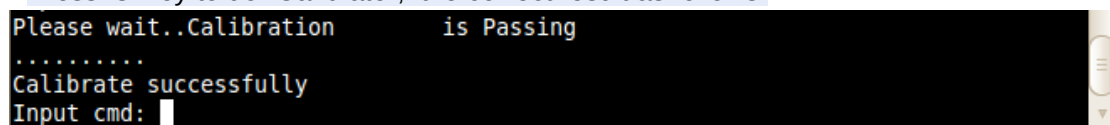
If the device displays the following error appears, look /dev/pixcir_i2c_ts0



```
/tool # cp /sdcard/pixi2c /tool
/tool # ./pixi2c
Open failed.
/tool #
```

2. Calibrate

Press 'C' key to do "Calibrate", the correct result as follows:

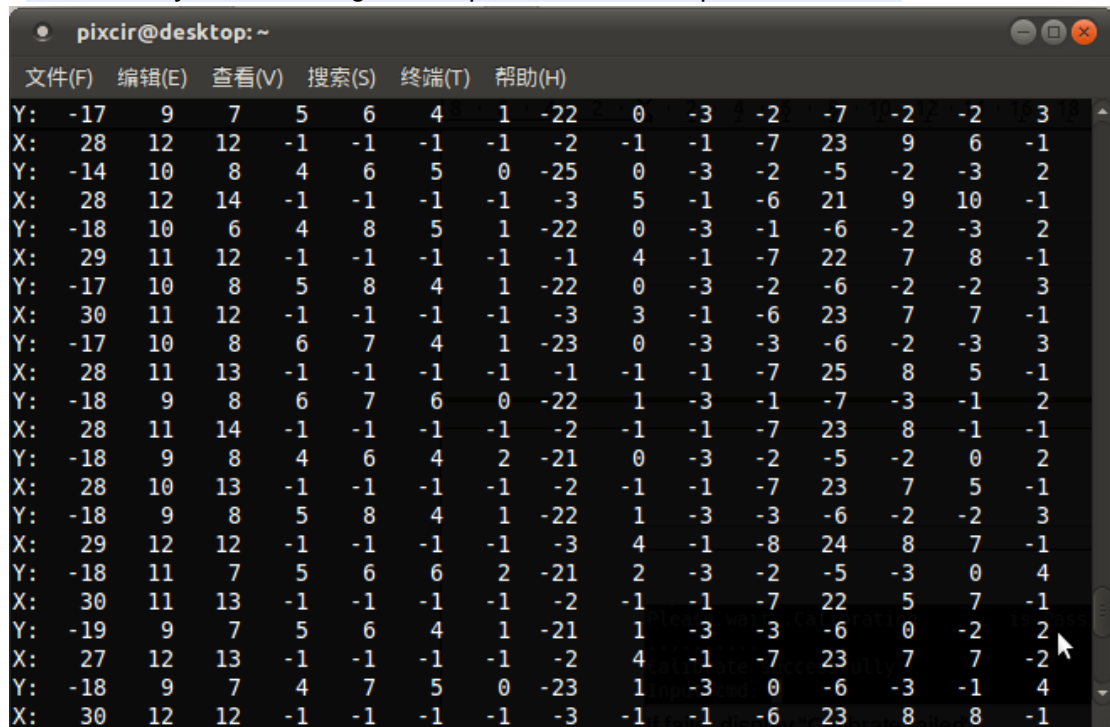


```
Please wait..Calibration is Passing
.....
Calibrate successfully
Input cmd: |
```

If fails, display "Calibrate failed".

3. Debug mode

Press 'D' key to do "Debug mode", press 'Enter' to stop, shown below:

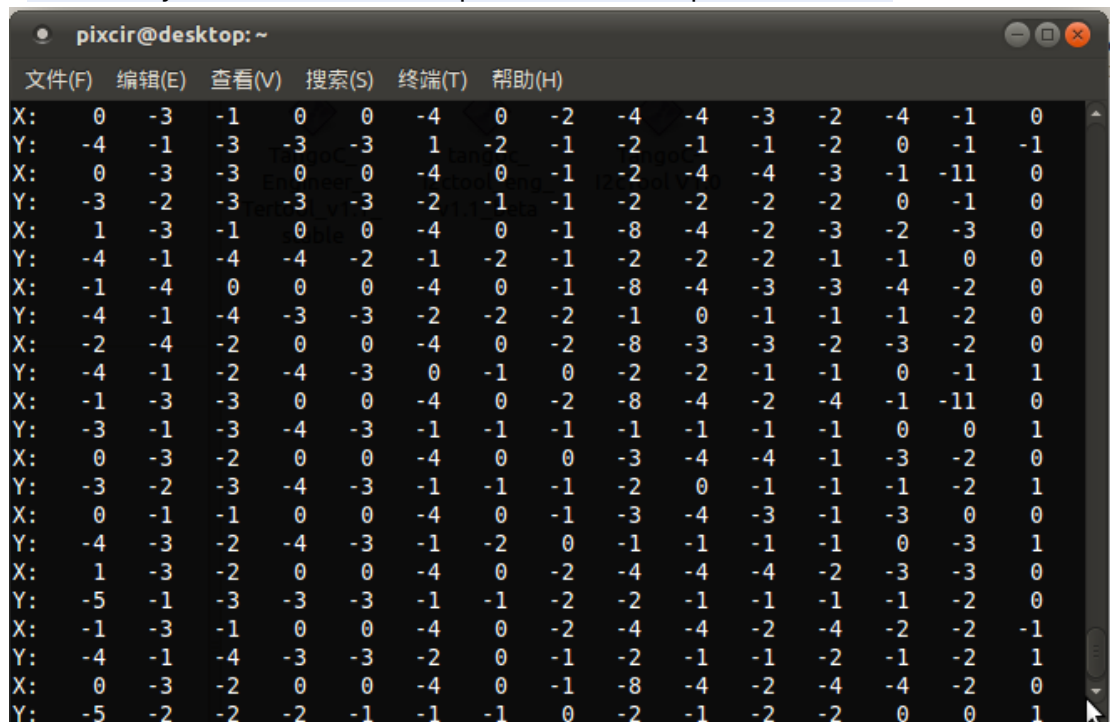


A terminal window titled 'pixcir@desktop: ~' with a menu bar (文件(F), 编辑(E), 查看(V), 搜索(S), 终端(T), 帮助(H)). The terminal displays a grid of 16 rows and 16 columns of numbers. The first column contains alternating 'Y:' and 'X:' labels. The numbers are integers ranging from -19 to 30. The grid is as follows:

Y:	-17	9	7	5	6	4	1	-22	0	-3	-2	-7	-2	-2	3
X:	28	12	12	-1	-1	-1	-1	-2	-1	-1	-7	23	9	6	-1
Y:	-14	10	8	4	6	5	0	-25	0	-3	-2	-5	-2	-3	2
X:	28	12	14	-1	-1	-1	-1	-3	5	-1	-6	21	9	10	-1
Y:	-18	10	6	4	8	5	1	-22	0	-3	-1	-6	-2	-3	2
X:	29	11	12	-1	-1	-1	-1	-1	4	-1	-7	22	7	8	-1
Y:	-17	10	8	5	8	4	1	-22	0	-3	-2	-6	-2	-2	3
X:	30	11	12	-1	-1	-1	-1	-3	3	-1	-6	23	7	7	-1
Y:	-17	10	8	6	7	4	1	-23	0	-3	-3	-6	-2	-3	3
X:	28	11	13	-1	-1	-1	-1	-1	-1	-1	-7	25	8	5	-1
Y:	-18	9	8	6	7	6	0	-22	1	-3	-1	-7	-3	-1	2
X:	28	11	14	-1	-1	-1	-1	-2	-1	-1	-7	23	8	-1	-1
Y:	-18	9	8	4	6	4	2	-21	0	-3	-2	-5	-2	0	2
X:	28	10	13	-1	-1	-1	-1	-2	-1	-1	-7	23	7	5	-1
Y:	-18	9	8	5	8	4	1	-22	1	-3	-3	-6	-2	-2	3
X:	29	12	12	-1	-1	-1	-1	-3	4	-1	-8	24	8	7	-1
Y:	-18	11	7	5	6	6	2	-21	2	-3	-2	-5	-3	0	4
X:	30	11	13	-1	-1	-1	-1	-2	-1	-1	-7	22	5	7	-1
Y:	-19	9	7	5	6	4	1	-21	1	-3	-3	-6	0	-2	2
X:	27	12	13	-1	-1	-1	-1	-2	4	-1	-7	23	7	7	-2
Y:	-18	9	7	4	7	5	0	-23	1	-3	0	-6	-3	-1	4
X:	30	12	12	-1	-1	-1	-1	-3	-1	-1	-6	23	8	8	-1

4. Internal mode

Press 'I' key to do "Internal mode", press 'Enter' to stop, shown below:



A terminal window titled 'pixcir@desktop: ~' with a menu bar (文件(F), 编辑(E), 查看(V), 搜索(S), 终端(T), 帮助(H)). The terminal displays a grid of 16 rows and 16 columns of numbers. The first column contains alternating 'X:' and 'Y:' labels. The numbers are integers ranging from -5 to 0. The grid is as follows:

X:	0	-3	-1	0	0	-4	0	-2	-4	-4	-3	-2	-4	-1	0
Y:	-4	-1	-3	-3	-3	1	-2	-1	-2	-1	-1	-2	0	-1	-1
X:	0	-3	-3	0	0	-4	0	-1	-2	-4	-4	-3	-1	-11	0
Y:	-3	-2	-3	-3	-3	-2	-1	-1	-2	-2	-2	-2	0	-1	0
X:	1	-3	-1	0	0	-4	0	-1	-8	-4	-2	-3	-2	-3	0
Y:	-4	-1	-4	-4	-2	-1	-2	-1	-2	-2	-2	-1	-1	0	0
X:	-1	-4	0	0	0	-4	0	-1	-8	-4	-3	-3	-4	-2	0
Y:	-4	-1	-4	-3	-3	-2	-2	-2	-1	0	-1	-1	-1	-2	0
X:	-2	-4	-2	0	0	-4	0	-2	-8	-3	-3	-2	-3	-2	0
Y:	-4	-1	-2	-4	-3	0	-1	0	-2	-2	-1	-1	0	-1	1
X:	-1	-3	-3	0	0	-4	0	-2	-8	-4	-2	-4	-1	-11	0
Y:	-3	-1	-3	-4	-3	-1	-1	-1	-1	-1	-1	-1	0	0	1
X:	0	-3	-2	0	0	-4	0	0	-3	-4	-4	-1	-3	-2	0
Y:	-3	-2	-3	-4	-3	-1	-1	-1	-2	0	-1	-1	-1	-2	1
X:	0	-1	-1	0	0	-4	0	-1	-3	-4	-3	-1	-3	0	0
Y:	-4	-3	-2	-4	-3	-1	-2	0	-1	-1	-1	-1	0	-3	1
X:	1	-3	-2	0	0	-4	0	-2	-4	-4	-4	-2	-3	-3	0
Y:	-5	-1	-3	-3	-3	-1	-1	-2	-2	-1	-1	-1	-1	-2	0
X:	-1	-3	-1	0	0	-4	0	-2	-4	-4	-2	-4	-2	-2	-1
Y:	-4	-1	-4	-3	-3	-2	0	-1	-2	-1	-1	-2	-1	-2	1
X:	0	-3	-2	0	0	-4	0	-1	-8	-4	-2	-4	-4	-2	0
Y:	-5	-2	-2	-2	-1	-1	-1	0	-2	-1	-2	-2	0	0	1

5. Raster mode

Press 'S' key to do “Raster mode”, press “Enter” to stop, shown below:

```

pixcir@desktop: ~
文件(F) 编辑(E) 查看(V) 搜索(S) 终端(T) 帮助(H)
r: 96 40 -40 -8 -16 -8 0 -8 8 -8 -8 -24 -8 -16 -2
r: 64 56 -32 -8 -8 0 -16 -8 0 -8 -8 -24 -8 -16 -2
r: 64 56 -32 -8 -8 0 -16 -8 0 -10 0 6 -8 -8 10
r: 64 56 -32 -8 -8 0 -16 -8 0 -10 0 6 -8 -8 10
r: 64 56 -32 -8 -8 0 -16 -8 0 -10 0 6 -8 -8 10
r: 80 64 -42 -8 -8 -8 -8 -8 -8 -10 0 6 -8 -8 10
r: 80 64 -42 -8 -8 -8 -8 -8 -8 -8 -8 -8 -6 -8 8
r: 80 64 -42 -8 -8 -8 -8 -8 -8 -8 -8 -8 -6 -8 8
r: 64 56 -42 -8 -8 -8 -8 -8 -8 -8 -8 -8 -6 -8 8
r: 64 56 -32 -8 0 6 -16 -16 8 8 0 0 -2 -8 8
r: 64 56 -32 -8 0 6 -16 -16 8 8 0 0 -2 0 24
r: 64 56 -32 -8 0 6 -16 -16 8 8 0 0 -2 0 24
r: 64 48 -32 -8 0 6 -16 -16 8 8 0 0 -2 0 24
r: 64 48 -32 -8 -16 -16 8 -8 0 0 -8 -8 0 8 24
r: 64 48 -32 -8 -16 -16 8 -8 0 0 -8 -8 0 8 16
r: 64 48 -32 -8 -16 -16 8 -8 0 0 -8 -8 0 8 16
r: 64 32 -56 -8 -16 -16 8 -8 0 0 -8 -8 0 8 16
r: 64 32 -56 -16 -16 16 16 -2 -24 0 -16 8 -8 8 16
r: 64 32 -56 -16 -16 16 16 -2 -24 0 -16 8 -8 8 -16
r: 64 32 -56 -16 -16 16 16 -2 -24 0 -16 8 -8 8 -16
[ 2355.291000] pixcir_ioctl(),cmd = 10,arg = 0
Input cmd: |

```

6. Bootloader

Press 'B' key to do "Bootloader", shown below:

[illegible]

Show "Download Successfully.", if it fails displays "Download failed".

7. Read EEPROM

Press 'R' key to do “Read EEPROM”, input address and bytes, such as:

```
Input cmd: r
[ 7583.724000] pixcir_ioctl(),cmd = 0,arg = 0
Input address: 0
read bytes number: 32
hex data:
0: 56 34 2e 31 00 00 00 00 00 00 00 00 00 00 00 00
16: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
Input cmd: |
```

8. Read CRC

press 'Z' key to do “read CRC”, shown below:

```
Input cmd: z
[ 7937.699000] pixcir_ioctl(),cmd = 0,arg = 0
data: 5c f0
Input cmd: |
```

9. TP Reset

Press 'T' key to do “TP Reset”, such as:

```
Input cmd: t
Input cmd: |
```

10. About

Press 'A' key to do “About”, such as:

```
Input cmd: a
Version: TangoC V1.3.1 stable
Author: Jessay Chen
E-mail: zlchen@pixcir.com.cn
Release time: November 21, 2011
Note: only support pixcir TP with pixcir driver
(c) Copyright pixcir microelectronics co., ltd
Input cmd: |
```

11. Show menu and Exit

Press 'M' key to do “Show menu again”, press the 'X' to exit , as follows:

```
Input cmd: M
Press a key in brackets.
[C] Calibration.
[D] Debug mode.
[I] Internal mode.
[S] Raster mode.
[B] Bootloader mode.
[R] Read EEPROM.
[Z] Read CRC
[T] TP reset.
[A] About me
[M] Show menu.
[X] Exit.
Input cmd: X
[ 8721.518000] enter pixcir_release funtion
End.
# |
```