

# Touch Issue

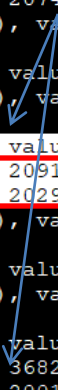
Some cursor jump to another random location, far from touch area

2025-09-04

# Example 1:

One hard-touch screen, outputs (x/y) => jump x/y is hit in the middle (sample data)

```
Event: time 1716268988.432229, type 1 (EV_KEY), code 330 (BTN_TOUCH), value 1
Event: time 1716268988.432229, type 3 (EV_ABS), code 0 (ABS_X), value 3561
Event: time 1716268988.432229, type 3 (EV_ABS), code 1 (ABS_Y), value 2002
Event: time 1716268988.432229, type 3 (EV_ABS), code 24 (ABS_PRESSURE), value 3981
Event: time 1716268988.432229, ----- SYN_REPORT -----
Event: time 1716268988.448897, type 3 (EV_ABS), code 0 (ABS_X), value 3539
Event: time 1716268988.448897, type 3 (EV_ABS), code 1 (ABS_Y), value 1966
Event: time 1716268988.448897, type 3 (EV_ABS), code 24 (ABS_PRESSURE), value 4048
Event: time 1716268988.448897, ----- SYN_REPORT -----
Event: time 1716268988.468881, type 3 (EV_ABS), code 0 (ABS_X), value 3517
Event: time 1716268988.468881, type 3 (EV_ABS), code 1 (ABS_Y), value 2015
Event: time 1716268988.468881, type 3 (EV_ABS), code 24 (ABS_PRESSURE), value 3685
Event: time 1716268988.468881, ----- SYN_REPORT -----
Event: time 1716268988.488925, type 3 (EV_ABS), code 0 (ABS_X), value 3501
Event: time 1716268988.488925, type 3 (EV_ABS), code 1 (ABS_Y), value 2074
Event: time 1716268988.488925, type 3 (EV_ABS), code 24 (ABS_PRESSURE), value 4080
Event: time 1716268988.488925, ----- SYN_REPORT -----
Event: time 1716268988.504309, type 1 (EV_KEY), code 330 (BTN_TOUCH), value 0
Event: time 1716268988.504309, type 3 (EV_ABS), code 24 (ABS_PRESSURE), value 0
Event: time 1716268988.504309, ----- SYN_REPORT -----
Event: time 1716268988.657104, type 1 (EV_KEY), code 330 (BTN_TOUCH), value 1
Event: time 1716268988.657104, type 3 (EV_ABS), code 0 (ABS_X), value 2091
Event: time 1716268988.657104, type 3 (EV_ABS), code 1 (ABS_Y), value 2029
Event: time 1716268988.657104, type 3 (EV_ABS), code 24 (ABS_PRESSURE), value 4034
Event: time 1716268988.657104, ----- SYN_REPORT -----
Event: time 1716268988.674302, type 1 (EV_KEY), code 330 (BTN_TOUCH), value 0
Event: time 1716268988.674302, type 3 (EV_ABS), code 24 (ABS_PRESSURE), value 0
Event: time 1716268988.674302, ----- SYN_REPORT -----
Event: time 1716268988.799434, type 1 (EV_KEY), code 330 (BTN_TOUCH), value 1
Event: time 1716268988.799434, type 3 (EV_ABS), code 0 (ABS_X), value 3682
Event: time 1716268988.799434, type 3 (EV_ABS), code 1 (ABS_Y), value 2001
Event: time 1716268988.799434, type 3 (EV_ABS), code 24 (ABS_PRESSURE), value 3746
Event: time 1716268988.799434, ----- SYN_REPORT -----
Event: time 1716268988.818894, type 3 (EV_ABS), code 0 (ABS_X), value 3645
Event: time 1716268988.818894, type 3 (EV_ABS), code 1 (ABS_Y), value 2118
Event: time 1716268988.818894, type 3 (EV_ABS), code 24 (ABS_PRESSURE), value 3634
Event: time 1716268988.818894, ----- SYN_REPORT -----
Event: time 1716268988.838883, type 3 (EV_ABS), code 0 (ABS_X), value 3600
Event: time 1716268988.838883, type 3 (EV_ABS), code 1 (ABS_Y), value 2107
Event: time 1716268988.838883, type 3 (EV_ABS), code 24 (ABS_PRESSURE), value 4025
Event: time 1716268988.838883, ----- SYN_REPORT -----
Event: time 1716268988.854314, type 1 (EV_KEY), code 330 (BTN_TOUCH), value 0
Event: time 1716268988.854314, type 3 (EV_ABS), code 24 (ABS_PRESSURE), value 0
Event: time 1716268988.854314, ----- SYN_REPORT -----
```



# Example 2:

One hard-touch screen, outputs (x/y) => jump x/y is hit in button (last sample date)

```
[ 566.633774] tsc2007 1-004b: data: 0xa077, val: 0x77a
[ 566.634722] tsc2007 1-004b: data: 0x80e2, val: 0xe28
[ 566.635661] tsc2007 1-004b: data: 0x9049, val: 0x499
[ 566.636591] tsc2007 1-004b: data: 0x90ee, val: 0xee9
[ 566.637519] tsc2007 1-004b: data: 0xe02c, val: 0x2ce
[ 566.637541] tsc2007 1-004b: DOWN point(3624,1914), resistance ( 419)
[ 566.653937] tsc2007 1-004b: data: 0x4074, val: 0x744
[ 566.654986] tsc2007 1-004b: data: 0x50e3, val: 0xe35
[ 566.656007] tsc2007 1-004b: data: 0xe048, val: 0x48e
[ 566.657034] tsc2007 1-004b: data: 0x20ee, val: 0xee2
[ 566.658109] tsc2007 1-004b: data: 0xe02c, val: 0x2ce
[ 566.658133] tsc2007 1-004b: DOWN point(3637,1860), resistance ( 430)
[ 566.673570] tsc2007 1-004b: data: 0x7b, val: 0x7b0
[ 566.674426] tsc2007 1-004b: data: 0xf0e1, val: 0xe1f
[ 566.675262] tsc2007 1-004b: data: 0x59, val: 0x590
[ 566.676098] tsc2007 1-004b: data: 0xd0ea, val: 0xead
[ 566.676932] tsc2007 1-004b: data: 0xe02c, val: 0x2ce
[ 566.676944] tsc2007 1-004b: DOWN point(3615,1968), resistance ( 218)
[ 566.693520] tsc2007 1-004b: data: 0xd079, val: 0x79d
[ 566.694377] tsc2007 1-004b: data: 0x40ce, val: 0xce4
[ 566.695213] tsc2007 1-004b: data: 0x3028, val: 0x283
[ 566.696046] tsc2007 1-004b: data: 0x80f3, val: 0xf38
[ 566.696899] tsc2007 1-004b: data: 0xe02c, val: 0x2ce
[ 566.696912] tsc2007 1-004b: DOWN point(3300,1949), resistance (1059)
[ 566.712694] tsc2007 1-004b: UP
```

# Example 3:

One hard-touch screen, outputs (x/y) => jump x/y is hit at Middle (sample data)

```
[ 695.585335] tsc2007 1-004b: data: 0xc083, val: 0x83c
[ 695.586280] tsc2007 1-004b: data: 0xc0e3, val: 0xe3c
[ 695.587218] tsc2007 1-004b: data: 0x3052, val: 0x523
[ 695.588153] tsc2007 1-004b: data: 0x20ec, val: 0xec2
[ 695.589088] tsc2007 1-004b: data: 0xe02c, val: 0x2ce
[ 695.589113] tsc2007 1-004b: DOWN point(3644,2108), resistance ( 302)
[ 695.603869] tsc2007 1-004b: data: 0x607c, val: 0x7c6
[ 695.604916] tsc2007 1-004b: data: 0x40d1, val: 0xd14
[ 695.605981] tsc2007 1-004b: data: 0xb031, val: 0x31b
[ 695.607001] tsc2007 1-004b: data: 0x30f4, val: 0xf43
[ 695.608026] tsc2007 1-004b: data: 0xe02c, val: 0x2ce
[ 695.608049] tsc2007 1-004b: DOWN point(3348,1990), resistance ( 793)
[ 695.623616] tsc2007 1-004b: data: 0x83, val: 0x830
[ 695.624472] tsc2007 1-004b: data: 0x30b5, val: 0xb53
[ 695.625309] tsc2007 1-004b: data: 0x303b, val: 0x3b3
[ 695.626146] tsc2007 1-004b: data: 0x80f2, val: 0xf28
[ 695.626977] tsc2007 1-004b: data: 0xe02c, val: 0x2ce
[ 695.626990] tsc2007 1-004b: DOWN point(2899,2096), resistance ( 339)
[ 695.643535] tsc2007 1-004b: data: 0x3083, val: 0x833
[ 695.644423] tsc2007 1-004b: data: 0x20e3, val: 0xe32
[ 695.645262] tsc2007 1-004b: data: 0x1042, val: 0x421
[ 695.646096] tsc2007 1-004b: data: 0xd0f0, val: 0xf0d
[ 695.646937] tsc2007 1-004b: data: 0xe02c, val: 0x2ce
[ 695.646951] tsc2007 1-004b: DOWN point(3634,2099), resistance ( 557)
[ 695.662692] tsc2007 1-004b: UP
```

# Example 4:

One hard-touch screen, outputs (x/y) => jump x/y is hit at two last (sample data)

```
[ 873.318865] tsc2007 1-004b: data: 0x7075, val: 0x757
[ 873.319815] tsc2007 1-004b: data: 0xe0e3, val: 0xe3e
[ 873.320747] tsc2007 1-004b: data: 0x5045, val: 0x455
[ 873.321681] tsc2007 1-004b: data: 0x90ee, val: 0xee9
[ 873.322696] tsc2007 1-004b: data: 0xd02c, val: 0x2cd
[ 873.322721] tsc2007 1-004b: DOWN point(3646,1879), resistance ( 489)
[ 873.343929] tsc2007 1-004b: data: 0x6076, val: 0x766
[ 873.344953] tsc2007 1-004b: data: 0x808b, val: 0x8b8
[ 873.345969] tsc2007 1-004b: data: 0xb036, val: 0x36b
[ 873.346985] tsc2007 1-004b: data: 0x40f3, val: 0xf34
[ 873.348060] tsc2007 1-004b: data: 0xd02c, val: 0x2cd
[ 873.348085] tsc2007 1-004b: DOWN point(2232,1894), resistance ( 42)
[ 873.363542] tsc2007 1-004b: data: 0x4075, val: 0x754
[ 873.364385] tsc2007 1-004b: data: 0x6093, val: 0x936
[ 873.365222] tsc2007 1-004b: data: 0x202d, val: 0x2d2
[ 873.366055] tsc2007 1-004b: data: 0xa0f4, val: 0xf4a
[ 873.366890] tsc2007 1-004b: data: 0xd02c, val: 0x2cd
[ 873.366902] tsc2007 1-004b: DOWN point(2358,1876), resistance ( 227)
[ 873.383521] tsc2007 1-004b: data: 0x2075, val: 0x752
[ 873.384365] tsc2007 1-004b: data: 0xc083, val: 0x83c
[ 873.385198] tsc2007 1-004b: data: 0xd000, val: 0xd
[ 873.386034] tsc2007 1-004b: data: 0xf0ff, val: 0xffff
[ 873.386910] tsc2007 1-004b: data: 0xd02c, val: 0x2cd
[ 873.386921] tsc2007 1-004b: ignored pressure 25996
[ 873.402929] tsc2007 1-004b: UP
```