

3.1.15 更改关节ID号

每个关节都有个特定ID号. 在同一台机器人中不允许有相同的ID号.

ID	关节
J0	基座
J1	肩关节
J2	肘关节
J3	腕关节1
J4	腕关节2
J5	腕关节3

例如:

腕关节1 (J3)被更换了.备用关节实际上是腕关节3 (J5)

- ξ 将正确ID的关节通讯断开.
- ξ 进入Low Level Control模式
- ξ 点击**Turn power on**将会进入BOOTLOADER状态

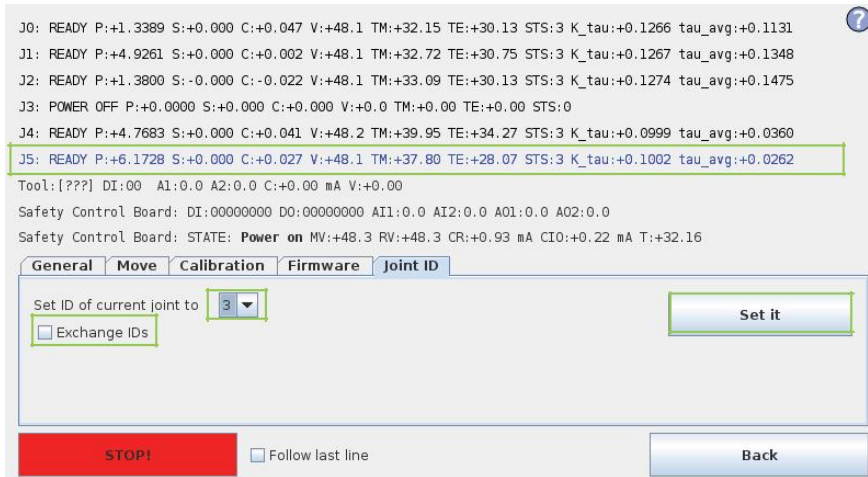


- ξ 点击**Go to Idle**关节会进入准备状态.



- ξ 选择**Joint ID**

- ξ 选择J5 (需要变更ID号的关节)
- ξ 不要选择“Exchange IDs”选项
- ξ 在方框中的下拉菜单中选择ID号3
- ξ 点击Set it,进行设定.



J0: READY P:+1.3389 S:+0.000 C:+0.047 V:+48.1 TM:+32.15 TE:+30.13 STS:3 K_tau:+0.1266 tau_avg:+0.1131
J1: READY P:+4.9261 S:+0.000 C:+0.002 V:+48.1 TM:+32.72 TE:+30.75 STS:3 K_tau:+0.1267 tau_avg:+0.1348
J2: READY P:+1.3800 S:-0.000 C:-0.022 V:+48.1 TM:+33.09 TE:+30.13 STS:3 K_tau:+0.1274 tau_avg:+0.1475
J3: POWER OFF P:+0.0000 S:+0.000 C:+0.000 V:+0.0 TM:+0.00 TE:+0.00 STS:0
J4: READY P:+4.7683 S:+0.000 C:+0.041 V:+48.2 TM:+39.95 TE:+34.27 STS:3 K_tau:+0.0999 tau_avg:+0.0360
J5: READY P:+6.1728 S:+0.000 C:+0.027 V:+48.1 TM:+37.80 TE:+28.07 STS:3 K_tau:+0.1002 tau_avg:+0.0262

Tool:[???] DI:00 AI:0.0 A2:0.0 C:+0.00 mA V:+0.00
Safety Control Board: DI:00000000 DO:00000000 AI1:0.0 AI2:0.0 AO1:0.0 AO2:0.0
Safety Control Board: STATE: Power on MV:+48.3 RV:+48.3 CR:+0.93 mA CIO:+0.22 mA T:+32.16

General Move Calibration Firmware **Joint ID**

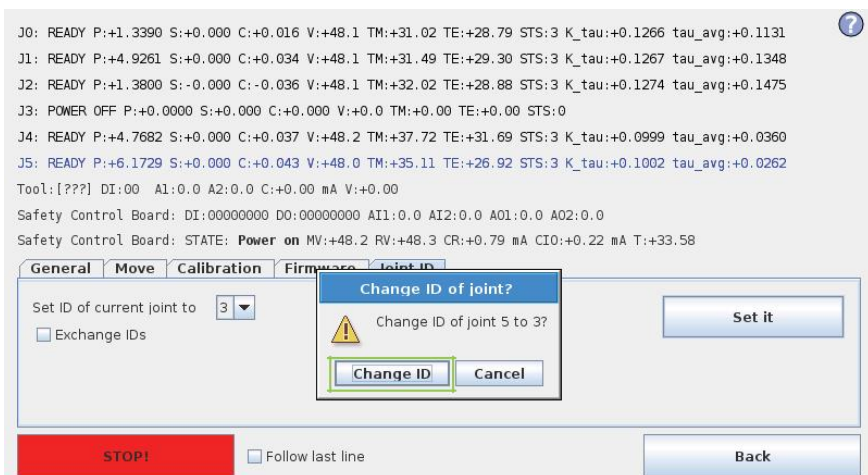
Set ID of current joint to 3

☐ Exchange IDs

Set it

STOP! ☐ Follow last line Back

- ξ 确认改变ID号点击Change ID



J0: READY P:+1.3390 S:+0.000 C:+0.016 V:+48.1 TM:+31.02 TE:+28.79 STS:3 K_tau:+0.1266 tau_avg:+0.1131
J1: READY P:+4.9261 S:+0.000 C:+0.034 V:+48.1 TM:+31.49 TE:+29.30 STS:3 K_tau:+0.1267 tau_avg:+0.1348
J2: READY P:+1.3800 S:-0.000 C:-0.036 V:+48.1 TM:+32.02 TE:+28.88 STS:3 K_tau:+0.1274 tau_avg:+0.1475
J3: POWER OFF P:+0.0000 S:+0.000 C:+0.000 V:+0.0 TM:+0.00 TE:+0.00 STS:0
J4: READY P:+4.7682 S:+0.000 C:+0.037 V:+48.2 TM:+37.72 TE:+31.69 STS:3 K_tau:+0.0999 tau_avg:+0.0360
J5: READY P:+6.1729 S:+0.000 C:+0.043 V:+48.0 TM:+35.11 TE:+26.92 STS:3 K_tau:+0.1002 tau_avg:+0.0262

Tool:[???] DI:00 AI:0.0 A2:0.0 C:+0.00 mA V:+0.00
Safety Control Board: DI:00000000 DO:00000000 AI1:0.0 AI2:0.0 AO1:0.0 AO2:0.0
Safety Control Board: STATE: Power on MV:+48.2 RV:+48.3 CR:+0.79 mA CIO:+0.22 mA T:+33.58

General Move Calibration Firmware **Joint ID**

Set ID of current joint to 3

☐ Exchange IDs

Change ID of joint?


Change ID of joint 5 to 3?

Change ID Cancel

Set it

STOP! ☐ Follow last line Back

- ξ 之后通电你会发现关节ID从J5变成了J3.



J0: READY P:+1.3390 S:+0.000 C:-0.004 V:+48.1 TM:+31.21 TE:+29.18 STS:3 K_tau:+0.1266 tau_avg:+0.1131
J1: READY P:+4.9260 S:+0.000 C:+0.007 V:+48.1 TM:+31.72 TE:+29.68 STS:3 K_tau:+0.1267 tau_avg:+0.1348
J2: READY P:+1.3800 S:-0.000 C:-0.000 V:+48.1 TM:+32.17 TE:+29.22 STS:3 K_tau:+0.1274 tau_avg:+0.1475
J3: READY P:+4.6020 S:+0.000 C:+0.018 V:+48.1 TM:+35.64 TE:+27.33 STS:3 K_tau:+0.1002 tau_avg:+0.0262
J4: READY P:+4.7683 S:+0.000 C:+0.012 V:+48.2 TM:+38.06 TE:+32.62 STS:3 K_tau:+0.0999 tau_avg:+0.0360
J5: POWER OFF P:+6.1728 S:+0.000 C:+0.037 V:+48.1 TM:+35.25 TE:+27.13 STS:0

Tool:[???] DI:00 AI:0.0 A2:0.0 C:+0.00 mA V:+0.00
Safety Control Board: DI:00000000 DO:00000000 AI1:0.0 AI2:0.0 AO1:0.0 AO2:0.0
Safety Control Board: STATE: Power on MV:+48.3 RV:+48.3 CR:+0.86 mA CIO:+0.22 mA T:+33.32

General Move Calibration Firmware **Joint ID**

Go to Idle Turn power off Arm current joint

STOP! ☐ Follow last line Back