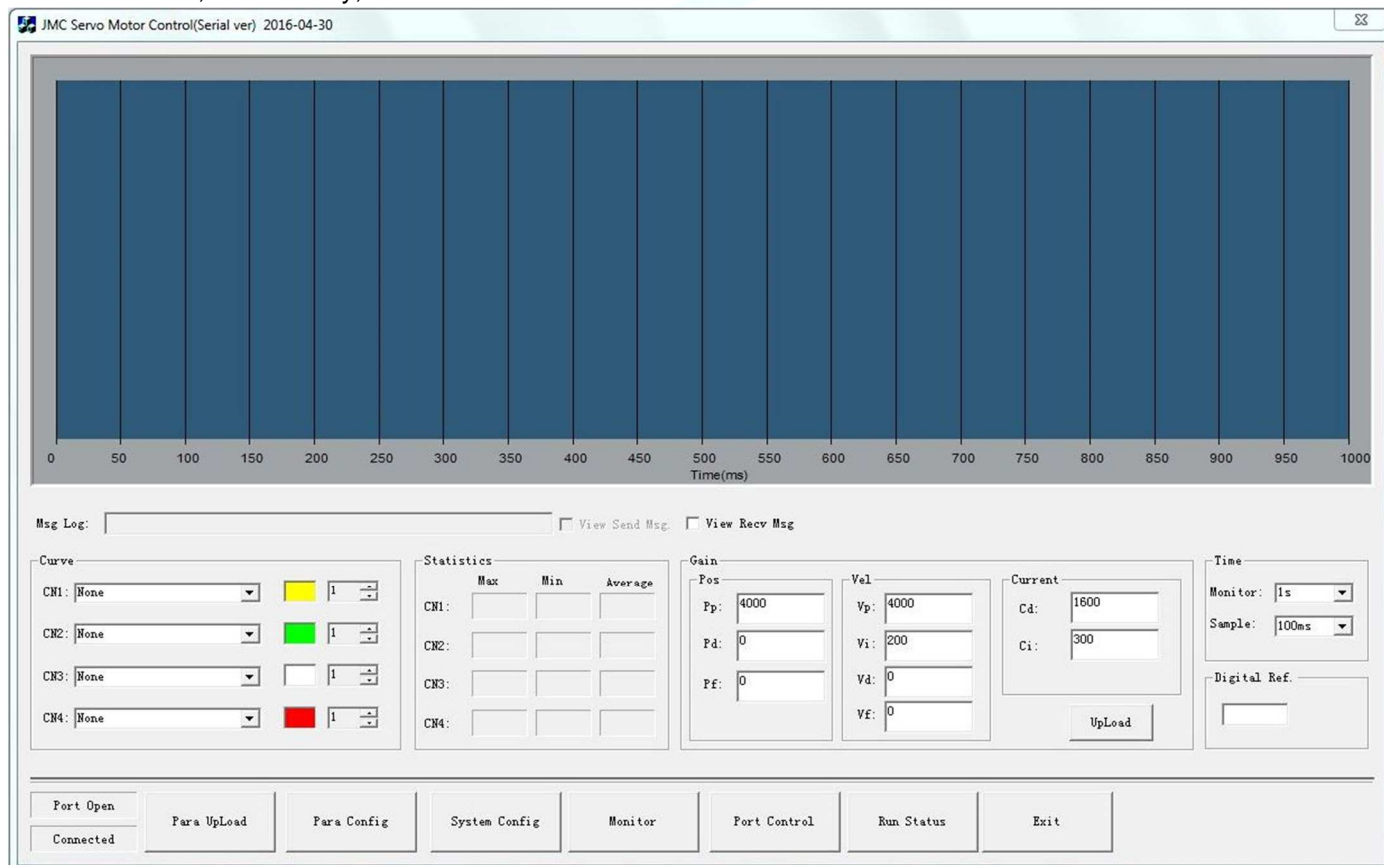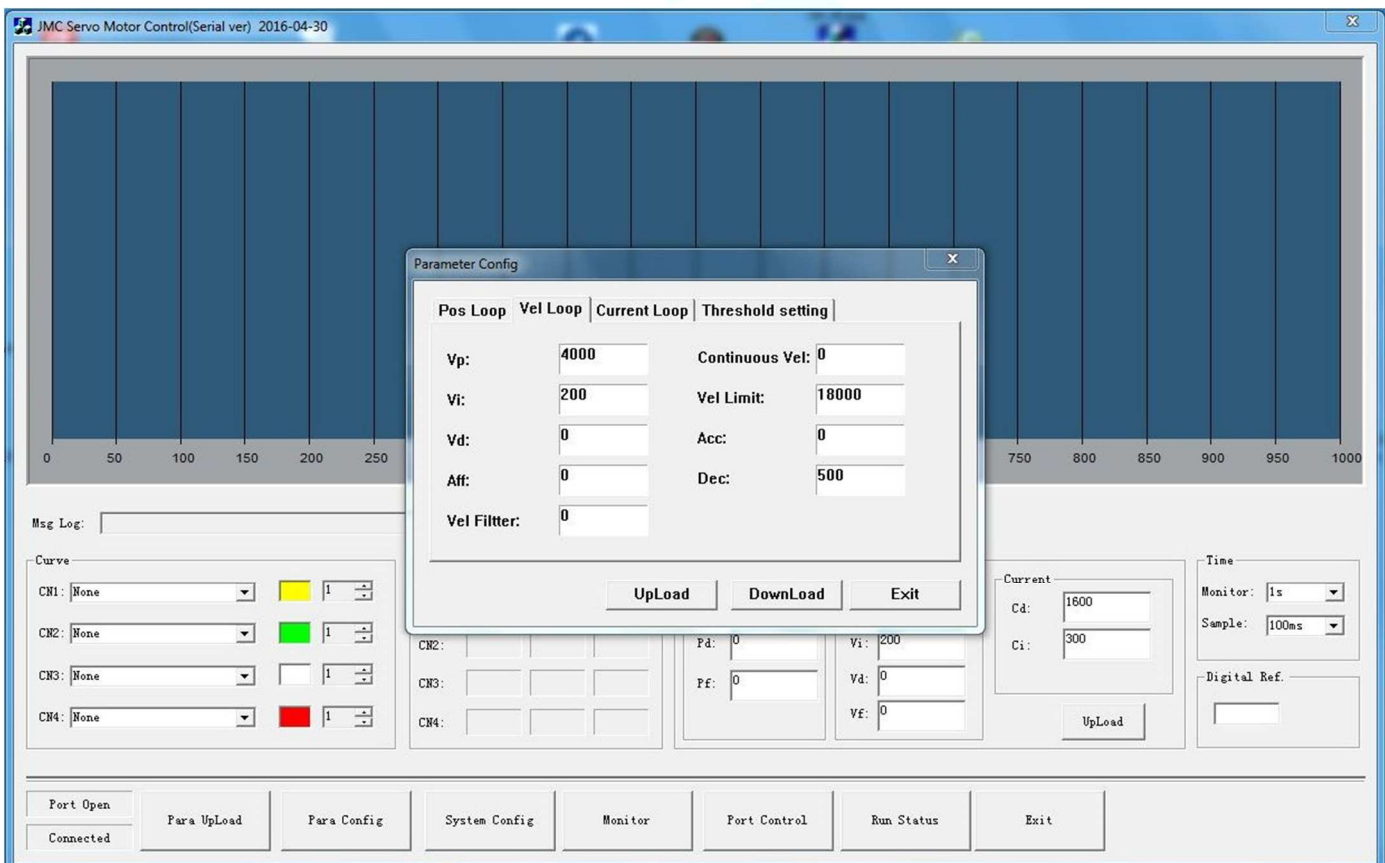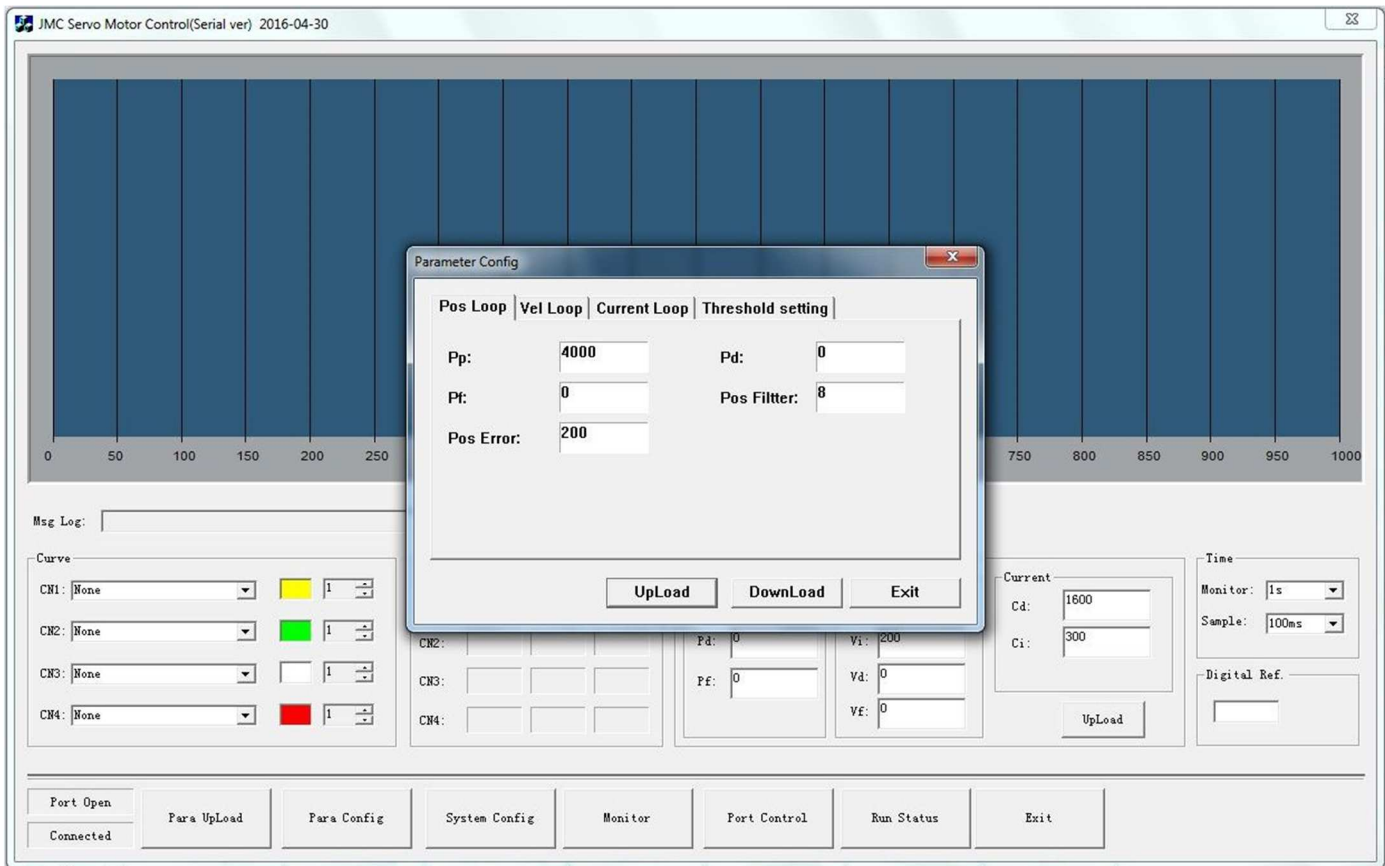We have it all
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Brief Instruction Software iHSV (EN-2016-04-30)

This brief instruction applies to the software „IHSV57 software ServoMotor-EN-2016-04-30.exe".
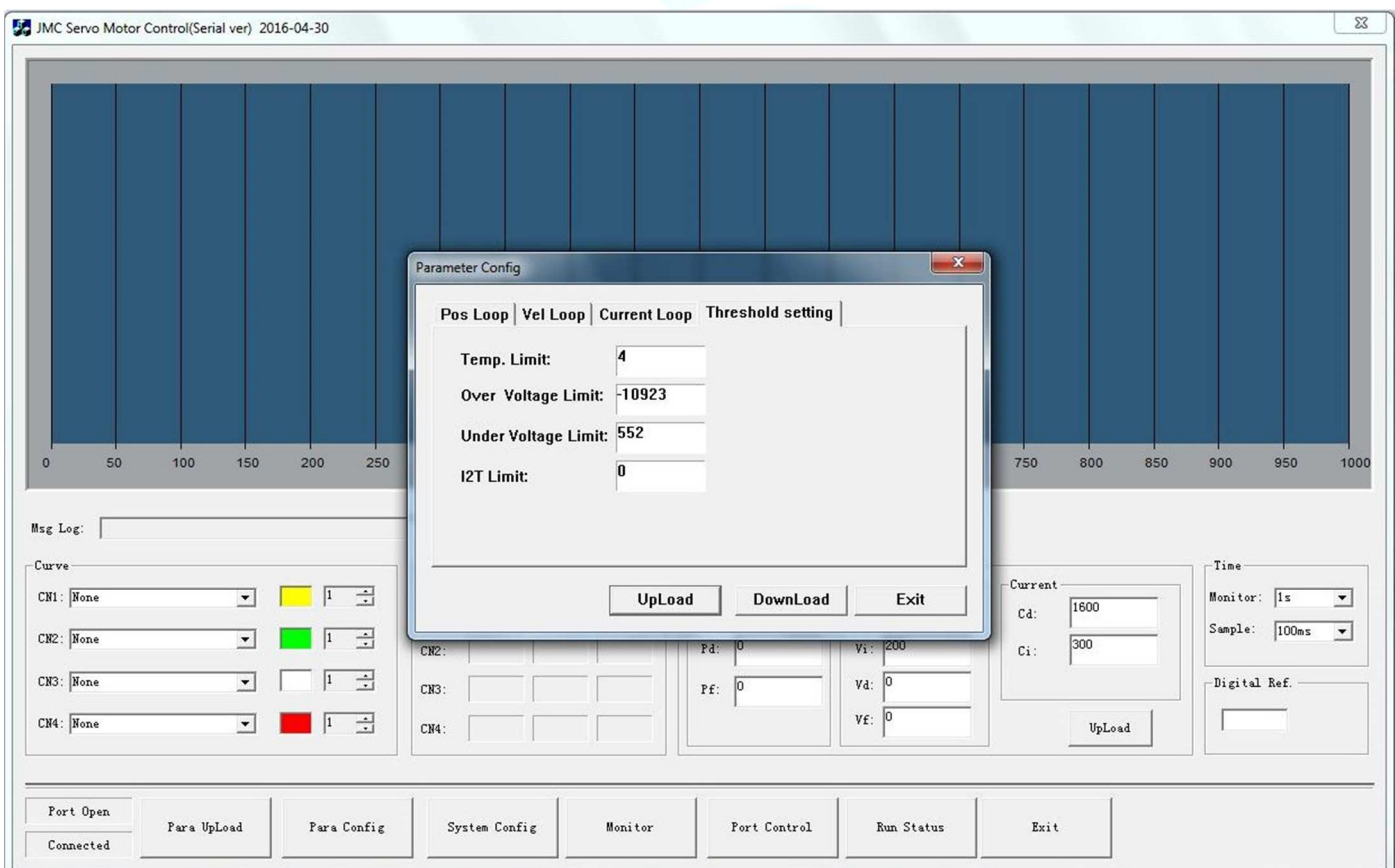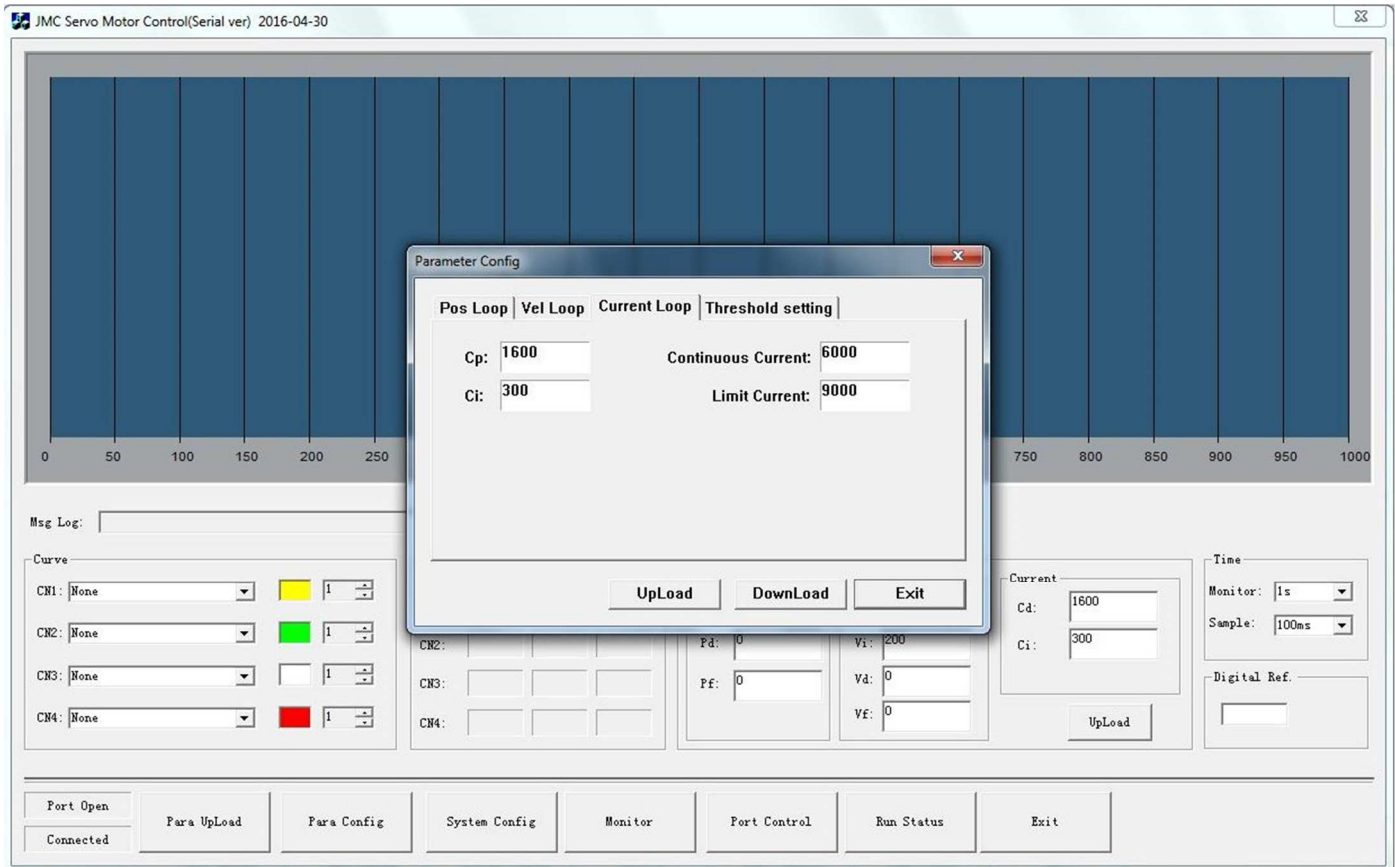
1. Windows OS: Windows7 32 and 64 bit and Windows10 64 bit are tested.
2. Installation: There is no proper installation as with other programs. The file is e.g. copied to the desktop and started from there.
3. Starting the software: On the computer you have to be logged in as administrator. Basically use right-click "Run as administrator". Otherwise the software will not find a port.
4. It is best if the computer has a serial port (COM port). Although USB COM adapters usually work, the function is not guaranteed.
5. The software starts in Chinese language. Depending on the computer, everything is full of Chinese characters or question marks. At one of the upper riders you can switch to "English". The change is only active after restarting the software.
6. After starting the software (servo is connected with the data cable to a COM port): With "Port Control" select the correct port and click "Connect".
7. "Upload" means: data transfer from the servo to the PC;
   "Download" means: data transfer from the PC to the servo. With "Para upload" the current parameters can be displayed.
8. The parameters are set with "Para config" and "System config".
   Change the parameters: change value, click "Download". Changes only become active after the servo is de-energized once.
9. The software sometimes has the bad characteristic to change values autonomously or even to "0" all values and thereby disable the servo. Especially in the window "System Config" you have to click on "External Control", and in the window "Para Config" submenu "Vel Loop" the value "Vel Limit" will be changed (default setting: "18000").
10. The following pictures show the basic setting. In the case of a non-function, the values of each window must be checked and, if necessary, reset.
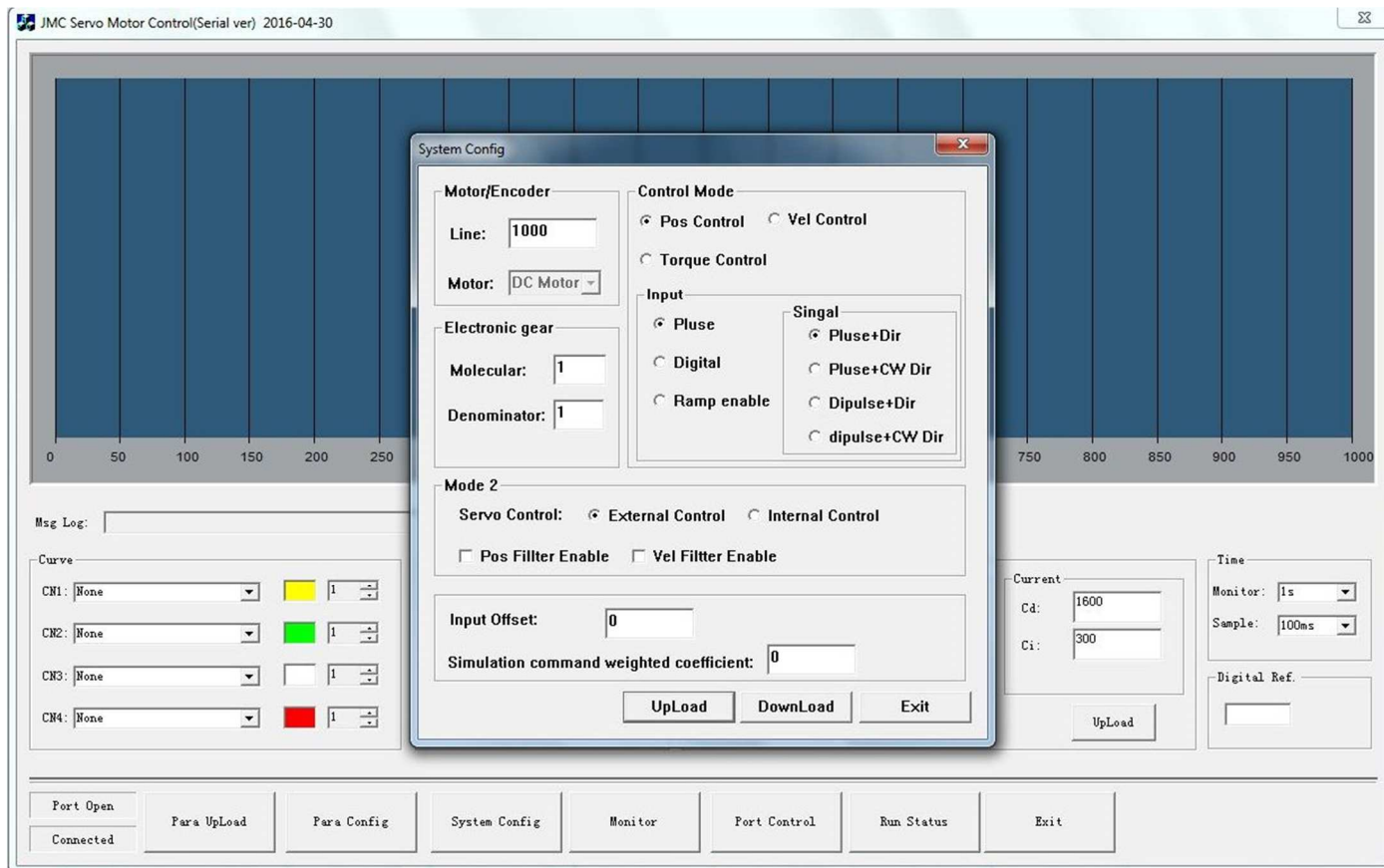
JMC Servo Motor Control(Serial ver) 2016-04-30

0   50   100   150   200   250   750   800   850   900   950   1000

Msg Log:

Parameter Config

Pos Loop | Vel Loop | Current Loop | Threshold setting

Pp: 4000   Pd: 0

Pf: 0   Pos Filtter: 8

Pos Error: 200

UpLoad   DownLoad   Exit

Curve

CN1: None — yellow — 1

CN2: None — green — 1

CN3: None — white — 1

CN4: None — red — 1

CN2:   Pd: 0   Vi: 200

CN3:   Pf: 0   Vd: 0

CN4:   Vf: 0

Current
Cd: 1600
Ci: 300
UpLoad

Time
Monitor: 1s
Sample: 100ms

Digital Ref.

Port Open / Connected   Para UpLoad   Para Config   System Config   Monitor   Port Control   Run Status   Exit

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JMC Servo Motor Control(Serial ver) 2016-04-30

0   50   100   150   200   250   750   800   850   900   950   1000

Msg Log:

Parameter Config

Pos Loop | Vel Loop | Current Loop | Threshold setting

Vp: 4000   Continuous Vel: 0

Vi: 200   Vel Limit: 18000

Vd: 0   Acc: 0

Aff: 0   Dec: 500

Vel Filtter: 0

UpLoad   DownLoad   Exit

Curve

CN1: None — yellow — 1

CN2: None — green — 1

CN3: None — white — 1

CN4: None — red — 1

CN2:   Pd: 0   Vi: 200

CN3:   Pf: 0   Vd: 0

CN4:   Vf: 0

Current
Cd: 1600
Ci: 300
UpLoad

Time
Monitor: 1s
Sample: 100ms

Digital Ref.

Port Open / Connected   Para UpLoad   Para Config   System Config   Monitor   Port Control   Run Status   Exit

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Brief Instruction Software iHSV (EN-2016-04-30)

11. Electronic Gear: Is the setting of the pulses per revolution.
    "Molecular" and "denominator" are numerator and denominator. If the dip switches S1 to S4 are all set to "on", the pulses per revolution can be set individually here. At (basic-) setting 1:1, is 4000 pulses per revolution. At 10:1 setting it is 400 pulses per revolution, at 1:10 it is 40000 pulses per revolution. Any other fraction number can also be set.
    After entering, click on "Download". Changes only become active after the servo is de-energized once.
12. Double pulse (Dipulse, CW / CCW) is not supported by this servo, only pulse and direction (Pul / Dir). Changing the setting has no effect except for the direction of rotation.