


```
#define USE_SPINDLE_DIR_AS_ENABLE_PIN
```

grbl v1.1f

```
$0 = 10      (Step pulse time, microseconds)
$1 = 25      (Step idle delay, milliseconds)
$2 = 0       (Step pulse invert, mask)
$3 = 0       (Step direction invert, mask)
$4 = 0       (Invert step enable pin, boolean)
$5 = 0       (Invert limit pins, boolean)
$6 = 0       (Invert probe pin, boolean)
$10 = 1       (Status report options, mask)
$11 = 0.010   (Junction deviation, millimeters)
$12 = 0.002   (Arc tolerance, millimeters)
$13 = 0       (Report in inches, boolean)
$20 = 0       (Soft limits enable, boolean)
$21 = 0       (Hard limits enable, boolean)
$22 = 0       (Homing cycle enable, boolean)
$23 = 0       (Homing direction invert, mask)
$24 = 25.000   (Homing locate feed rate, mm/min)
$25 = 500.000  (Homing search seek rate, mm/min)
$26 = 250     (Homing switch debounce delay, milliseconds)
$27 = 1.000    (Homing switch pull-off distance, millimeters)
$30 = 24000   (Maximum spindle speed, RPM)
$31 = 0       (Minimum spindle speed, RPM)
$32 = 0       (Laser-mode enable, boolean)
$100 = 40.000  (X-axis travel resolution, step/mm)
$101 = 39.968  (Y-axis travel resolution, step/mm)
$102 = 400.000 (Z-axis travel resolution, step/mm)
$110 = 4000.000 (X-axis maximum rate, mm/min)
$111 = 4000.000 (Y-axis maximum rate, mm/min)
$112 = 400.000  (Z-axis maximum rate, mm/min)
$120 = 200.000  (X-axis acceleration, mm/sec^2)
$121 = 200.000  (Y-axis acceleration, mm/sec^2)
$122 = 100.000  (Z-axis acceleration, mm/sec^2)
$130 = 200.000  (X-axis maximum travel, millimeters)
$131 = 200.000  (Y-axis maximum travel, millimeters)
$132 = 200.000  (Z-axis maximum travel, millimeters)
```

Kalibracni trojclenka

novy_pocet_kroku_na_mm = soucasny_pocet_kroku_na_mm * ocekavana_vzdalenost/ujeta_vzdalenost

Nastaveni invertoru Huanyang 1.5kW

4 LEAD WIRES

	1	2	3	4
Color Code 1	Red	Blue	Green	Black
Color Code 2	Brown	Orange	Red	Yellow
Color Code 3	Red	Red White Stripe	Green	Green White Stripe
Bipolar Driver	A	\bar{A}	B	\bar{B}

- steppery
 1. a+ red
 2. a- blue
 3. b+ green
 4. b- black
- vřeteno
 1. U
 2. V
 3. W
 4. GND

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Last update: **2024/09/17 01:29**