## Adjust the parameters of the Servo driver—MINAS-Li

→ Problem : Adjust the parameters of the Servo driver—MINAS-Li;

## Problem analysis:

✤ Adjust the parameters of the Servo driver—MINAS-Li;

Solution: Step 1- Prepare a communication cable as show pic1





Step 2- Install the 'PANATERM' software according to your computers configuration ;

When using "PANATERM" for use with MINAS, please prepare USB mini-B cable with

noise filter (commercially available) for connecting PC and Driver. Software in attachment;



Step 3- InPut the folder "MINAS-LIQI" in the PANATERM software installation location;

The following path "D: \ Panasonic Corporation \ MINAS \ PANATERM \ ini \ def";



 $\rightarrow$  Open PANATERM software after completion; Select any series to enter, as shown in the figure:

PANATERM			$\times$
File F Display D Window W Tool T Help H			
Connect Parameter Monitor Alarm Runing WaveGraphic R TrialRun	Fit gain	Other •	
	×		
Selection of the communication with the driver	or 1		
C Communication with the driver	OK		
Communicate with driver directly connected with USB.	ancel		
C Communication with the driver(with WLAN)			
Communicate with driver directly connected with WLAN.			
Series automatic decision	Check		
If the driver is MINAS-A5B(EtherCAT Mode) and set admost is younger than 1503****(March 2015), please uncheck the "Set automatic decision" and click "OK". Then choose the "MINAS-A5B(************************************	lpdate		
Drive   Drive   Motor   Motor     Series Name   Product No   Serial No     Image: Series Name   Product No <td>iver.</td> <td></td> <td></td>	iver.		

 $\rightarrow$  Series definition settings, as shown in the figure:



## Service Support Spirit

Step 4- Please prepare USB mini-B cable with noise filter (commercially available) for

Make Work Simple

connecting PC and Driver.



Step 5- Open software PANATERM→Choose model;

	用)
文件 F 显示 D	窗口 W 工具 T 帮助 H
🔚 与驱动器通信	参数 二二 监视器 二二 警报 二二 増益调整 二 波形曲线 📻 试运行 🔤 适合増益 其他・
	■ 选择与驱动器通信
	□选择与驱动器通信
	← 与驱动器通信
	选择通过USB与驱动器连接
	BINAS-A5 NINAS-A5B
	MINAS-A5II MINAS-A5I DD
	MINAS-ASL LINEAR MINAS-ASL LINEAR MINAS-ASL GLAD DD
	MINAS-ASLO4 (LA4) DD MINAS-ASLO4 (LA4) LINEAR
	Choose model: MINAS-ASND1
	A S S S S S S S S S S S S S S S S S S S
	5所
	确定 神定
	选择驱动器系列

Step 6- First Powering the servo driver;

- → Select parameter Pr. 007 and modify it to 3,then Submit and save parameter;
- $\rightarrow$  Re-power the servo driver;

读取 保存 注释 振	k file	1			<u>影</u> 化 2	<b>四</b> /16进制			
ラメーター覧 ・   分類1(グイン) ・   分類2(生命)の時間) ・	通过费 所 方 种 方	择 <u>左</u> 上 費 費 目 击	方的项目、左下方的子项目显示 着数字顺序,请选择"参数一员 参数值是可以改变的方式有两 <设定值变更>按钮。	、相关参数。 17 。显示每个参 1种。一种方法输	*数的细节,调 入数值后按5	N双击左下 nter键。另	设定值变	2	
-分類4(I/F、モニタ	分盘	编号	参数文段	訪問		设定值	单位	1.	
分類5(拡張機能)	00	000	回航方向設定	0-	1	1: E=CCV	1 -		
分類6(特殊)	00	002	リアルタイムオートチ・・・	0-	6	1: 標準	*		
	00	003	リアルタイムオートチ	0-	31	The second se	13		
	00	004	イナーシャ比	0-	10000		250 %		
	00	006	指令パルス回転方向設定	0-	1	0: IE=B			
	00	007	指令パルス入力モード設定	0-	3	1:正方向			
	00	008	モータ1回転あたり指	0-	1048576	1	0000 4		
	00	009	第1指令分周遗信分子	0-	1073741824		0		
	00	010	指令分周通信分母	1-	1073741824	1	0000		
	00	011	モータ1回転あたり出	1-	262144		2500 4	-	
	正方问	&CCI	W回転とするかCW回転とする	かを選択します					

Step 7- Test servo driver, If you still have problems, please check whether the parameters are successfully modified;