DRM 5	0-5/50 to RS485 quick guide	
Customer	Any	
Data	17.06.2021	
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Direct to	Customers	
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2

3

1. Required

- Servo-Drive DMR 50-5/50
- Ethernet standard cable with RJ45. In alternative, our complete cable PN 003016000668
- USB to RS485 converter: 005016000175 CONVERTITORE INTERFACCIA PC USB/485 USB2-H-5001-M
- PC with BPRO Interface installed

IMPORTANT:

If you purchased complete cable PN 003016000668, skip steps 2 and 3, and connect cable directly between DMR and Converter.



2. Ethernet cable to converter

Connect RJ45 to connector N1 of DMR 50-5/50.



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On the other side, ethernet cable must be free wires. Relevant wires are 2: BLUE WHITE/BLUE



3. Connection to converter

Free wires goes in the terminal block of USB/RS485 converter as shown in pictures: BLUE/WHITE \rightarrow DATA-



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4. DIP SWITCH setting

IMPORTANT!: dip switch on converter must be set as below:



5. Connect to PC

Connect USB cable to your PC. Open BPRO Interface, now you are ready to communicate. Follow the steps:

1. Open Interface and select Tool->Communication Parameters

Port:	4]		
Speed:		460800]	
Parity:	Ν			
Data:	8			

- 2. Be sure that speed is set as in figure
- 3. Verify your Com Port in UI is the same as the one you set in your Device Management. If not change.

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🛃 Device Manager		-	×
File Action View Help			
	💷 🖡 🗙 🖲		
Audio inputs and out	nute		
Bluetooth	200		
Computer			
Disk drives			
> Display adapters			
> M Firmware			
> 😽 Human Interface Dev	ces		
> TIDE ATA/ATAPI control	ers		
> Keyboards			
> 🕖 Mice and other point	ing devices		
Monitors			
> Provide State Network adapters			
 Ports (COM & LPT) 			
Communications	Port (COM1)		
Print queues	Update driver		
Processors	Disable device		
Security devices	Uninstall device		
Software devices			
> 🖷 Sound, video and	Scan for hardware changes		
storage controllers	Properties N		
 System devices Universal Social Russ 	TH THE STORE		
 Yhey Device evaluation 	ATTA ONES		
Abox Peripherais			

• If everything is fine the user interface will show you following windows

ile	View Tools Window ?													
	is #1 Parameters	1 [0/0]	Servo Rea	dy .	Axis #	2 [0/0] Servo Ready	•) I	xis #1 Outputs			
	Parameter	Ve	lue	Unit ^	Γ	Input	Value	Unit			Output	Val	Je Unit	
•	(0) Mode Of Operation		3			Control Word	0	[-]			Actual Ig	0	[A]	
	[1] Enable Analog Input		1			Enable	0	[Bool]			la Error	0	[A]	
	[2] Analog Input Polarity		0			Begin	0	[Bool]			Ig Demand	0	[A]	
	[3] Analog Safe Zero		0			Fault Reset	0	[Bool]			Ig Tracking Error	0	[A]	
	[4] Analog Input Offset		0			Halt	0	[Bool]			Torque Demand	0	[A]	
	(5) Analog Filter		100			Set Immediately	0	[Bool]			Actual Torque	0	[A]	
	[6] I KP		30			Use Relative Position	0	[Bool]			Velocity Target	0	[user unit]	
	[7] I KI		2			Current Target	0	[A]			Actual Velocity	0	[user unit]	
	[8] Vel KP		10			Speed Target	0	[user unit]			Velocity Error	0	[user unit]	
-	1011 C 11/1		•	×		Position Target	0	[user unit]			Velocity Demand	0	[user unit]	
			_		느									
G	eneric Parameters			• *	E	Generic Inputs			- 9 %	E G	eneric Outputs			• *
	Parameter	Value	Unit	^		Input	Valu	e Unit			Output	Value	Unit	1
	[0] Bus Nominal Voltage	24	[Vrms]		•	Save To Flash	0	[Bool]		+	Firmware Version	1005	[mj.mn.m]	
	[1] Pwm Frequency	8	[kHz]			Set Default Parameter	s 0	[Bool]			Bootloader Version	53335	[mj.mn.m]	
	[2] Serial Port Baud Rate	3	[Enum]			Reset Drive	0	[Bool]			Vendor ID	1230	•	
	[3] Modbus Slave Address	247	[Num]			Start Boot Loader	0	[Bool]			Product Code	517000000	•	
	[4] CanOpen Nodeld 1	1	[Enum]			Output	0	[Bool]			Revision Number	2	[•]	
	[5] CanOpen Nodeld 2	2	[Enum]			PWD	0	[·]			Serial Number	1234567	•	
	[6] CanOpen Bit Rate	0	[Enum]								Flash Status	32768	[1]	
	[7] User Program Enable	0	[bool]		Π						DC Bus	23	[V]	
	[8] User Program Type	0	[1]		Π						DC Bus Offset	20300035	[V]	
											Con Tx Error Countor	129	64	

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