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Features

- For Use with Inventronics DMX Enabled Drivers
- Supports USB to RS-485/422 Signal Conversion
- Comply with USB V.1.0,1.1, 2.0, EIA RS485 and RS422 Standards
- Without External Power Supply
- Connects to Inventronics Multi-Programmer Software

Description

PRG-DMX programmer is a universal USB/RS-485/422 converter without external power supply, compatible with USB V.1.0,1.1, 2.0, EIA RS-485 and RS-422 standards, capable of converting single-ended USB signal to RS-485 or RS-422 signals. It can provide reliable connection for point-to-point communication. Data communication rate 300-921.6Kbp, it ensures high speed transmission for DMX programming.

Models

Name	Description	Model Number
DMX programmer	Tool for programming via DMX interface	PRG-DMX

Interface Specifications
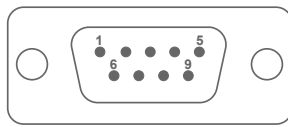
D89 Pin

D89 PIN	Output Signal	RS-422 Full-duplex Wiring	RS-485 Half-duplex Wiring
1	T/R+	TX (A+)	RS-485 (A+)
2	T/R-	TX (B-)	RS-485 (B-)
3	RXD+	RX (A+)	-
4	RXD-	RX (B-)	-
5	GND	GND	GND
6	N/A	-	-
7	N/A	-	-
8	N/A	-	-
9	N/A	-	-

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● **Conversion interface**
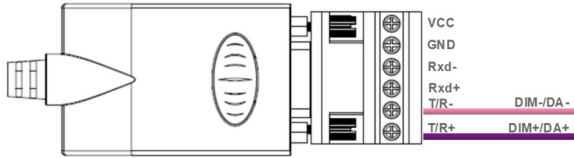
USB-A: USB Input Signal and Pin Assignment
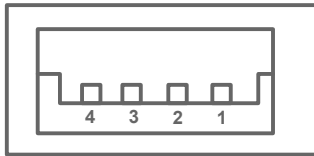
PIN	Description
1	VCC
2	DATA- (DM)
3	DATA+ (DP)
4	GND

General Specifications

Parameter	Min.	Typ.	Max.	Notes
Dimensions Inches (L × W × H) Millimeters (L × W × H)	64.88 × 1.42 × 0.63 1648 × 36 × 16			
Net Weight	-	111 g	-	

Environment Specifications

Parameter	Min.	Typ.	Max.	Notes
Operating Temperature	-40 ℃	-	+85 ℃	Relative Humidity: 5% RH to 95% RH No Condensing
Storage Temperature	-40 ℃	-	+85 ℃	

Programming Connection Diagram

Specifications are subject to changes without notice.   *All specifications are typical at 220Vac and 25℃ unless otherwise stated.*

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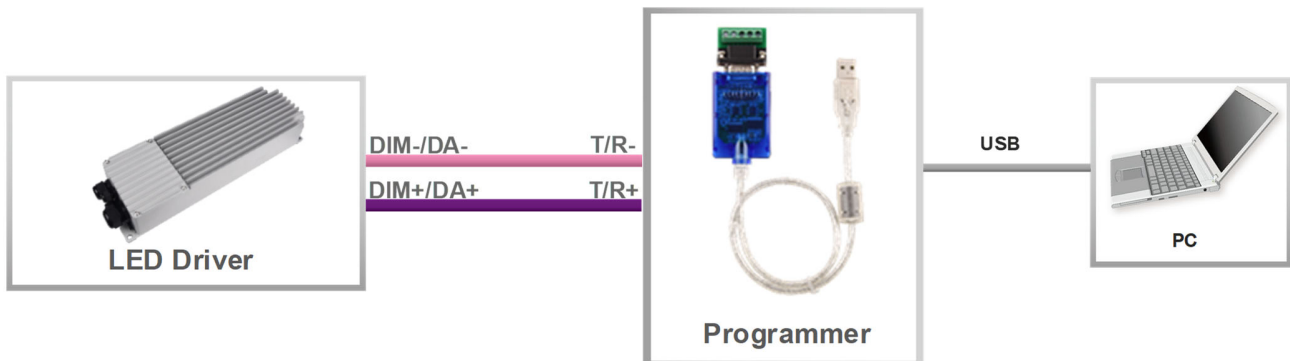
USB Driver of Programmer

First using please download and install the USB driver of programmer "PRG-MUL2 Device Driver (Install First)"

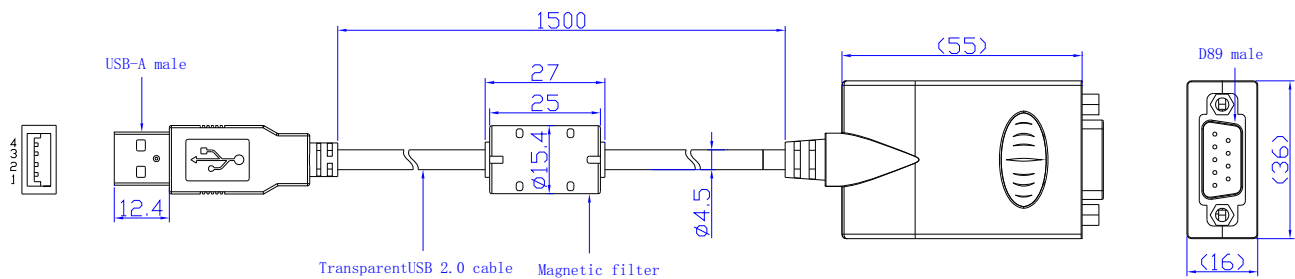Please refer to the link below to download:
http://www.inventronics-co.com/resources/software/

Software Interface of Programmer

Software interface of programmer please refer to the link below:
http://www.inventronics-co.com/resources/software/

Mechanical Outline

RoHS Compliance

Our products comply with reference to RoHS Directive (EU) 2015/863 amending 2011/65/EU, calling for the elimination of lead and other hazardous substances from electronic products.

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Revision History

Change Date	Rev.	Description of Change		
		Item	**From**	**To**
2024-06-20	A	Datasheet Release	/	/

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