

## 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



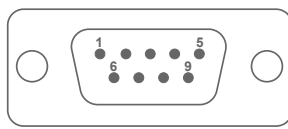
## Description

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

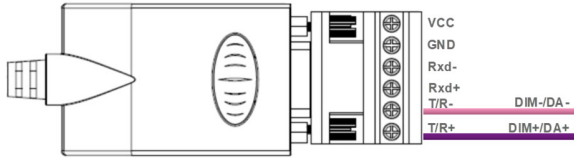
## Interface Specifications



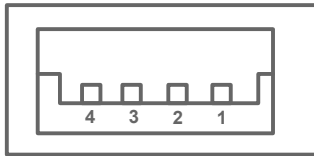
D89 Pin

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	-	-

## ● Conversion interface



### USB-A: USB Input Signal and Pin Assignment



PIN	Description
1	VCC
2	DATA- (DM)
3	DATA+ (DP)
4	GND

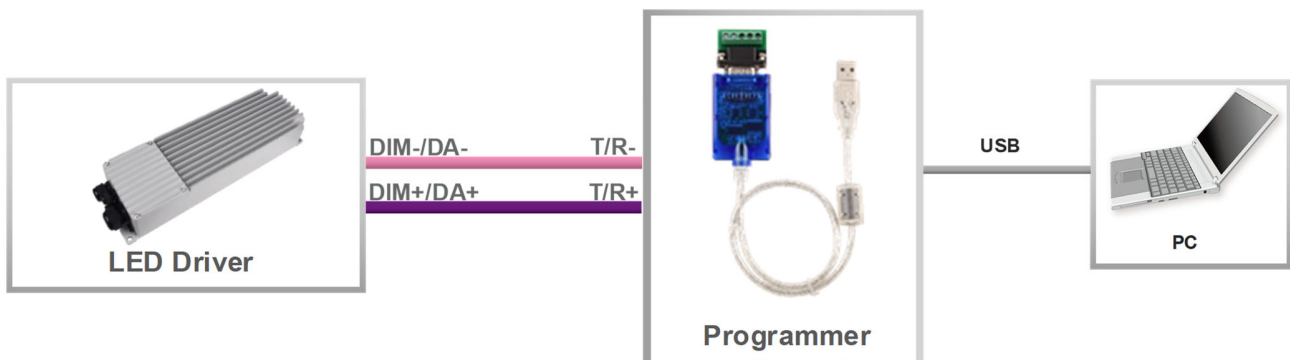
## General Specifications

Parameter	Min.	Typ.	Max.	Notes
Dimensions Inches (L × W × H) Millimeters (L × W × H)		59.06 × 1.42 × 0.63 1500 × 36 × 16		
Net Weight	-	111 g	-	

## Environment Specifications

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

## Programming Connection Diagram



## 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:

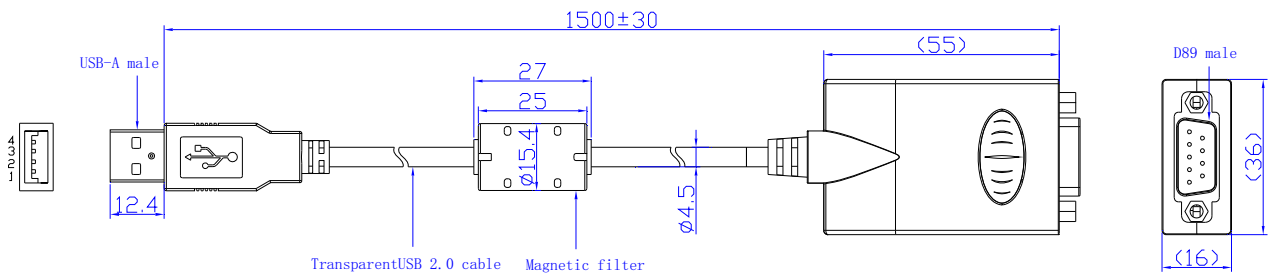
<http://www.inventronics-co.com/resources/software/>

## 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.

## Revision History

Change Date	Rev.	Description of Change		
		Item	From	To
2024-06-20	A	Datasheet Release	/	/
2024-08-02	B	General Specifications	/	Updated
		Mechanical Outline	/	Updated