

Logistimatics Wired-425 Installation Guide

Version: 1.00

Terms and Abbreviations:

Abbreviation	Description
AGND	Analogue Ground
AIN	Analogue Input
DIN	Digital Input
DOUT	Digital Output
GND	Ground
RXD	Receive Data
TXD	Transmit Data

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Pin Diagram:




Pin Description:

Index	Description	Comment
1	PWR1	Primary Power 8-32V
2	PWR2	Secondary Power 8-32V
3	AGND	Primary Analogue Ground
4	AGND	Secondary Analogue Ground
5	IGN	Ignition Detection Input, Positive Trigger
6	ADIN1	Analogue Input 0-32V
7	OUT_3V3	External Accessory Power 250mA Max
8	GND	External Accessory Ground
9	1_WIRE	Temperature Sensor Input
10	NC	NC
11	OUT/IN1	Negative trigger input1 for normal use or Open drain output1 150mA max drive current
12	OUT/IN2	Negative trigger input2 for normal use or Open drain output2 150mA max drive current
13	OUT/IN3	Negative trigger input3 for normal use or Open drain output3 150mA max drive current
14	OUT/IN4	Negative trigger input4 for normal use or Open drain output4 150mA max drive current
15	EX_RX	UART RXD RS232
16	EX_TX	UART TXD RS232
17	RXD	UART RXD TTL
18	TXD	UART TXD TTL

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Wire Color Definition:

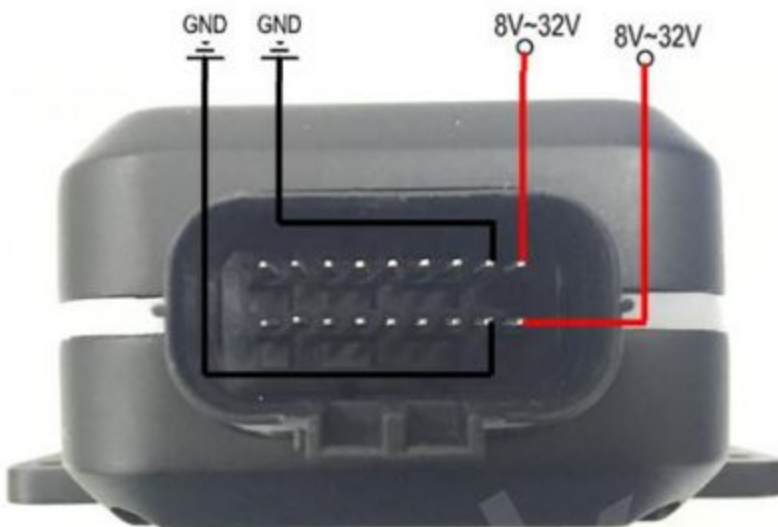
Definition	Color	Pin No.	Connector	Pin No.	Color	Definition
PWR1	Red	1		2	Red/Green	RWR2
AGNG	Black	3		4	Black	AGNG
IGN	White	5		6	Green	ADIN1
OUT-3V3	Red/White	7		8	Black/White	GND
1-WIRE	Gray	9		10	NC	NC
OUT/IN1	Blue	11		12	Yellow	OUT/IN2
OUT/IN3	Brown	13		14	Orange	OUT/IN4
EX_RX	Purple	15		16	Purple/White	EX_TX
RXD	Pink	17		18	White/Black	TXD

Note:

The main color of the dual color cable is the first color, for example, Black/White means black is the main color, and white is the secondary color.

Power Supply Connection:

PWR (pin 1 and pin 2) and GND (pin 3 and pin 4) connect to the vehicle 12V battery. Input voltage range is 8V to 32V without the need for external transformers.

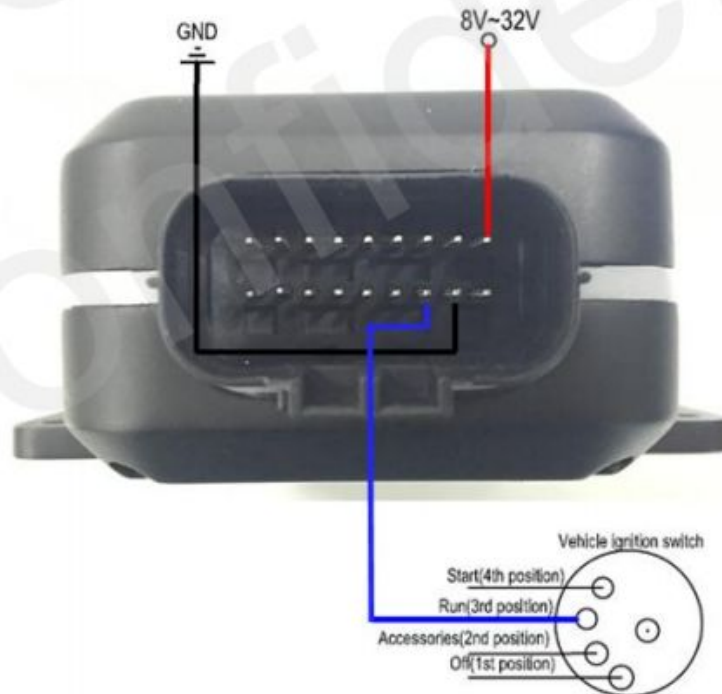


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Ignition Detection:

IGN (pin 5) is used for ignition detection. It is recommended to connect to the "RUN" position of the vehicle ignition switch.

Logical Status	Electrical Characteristics
Active	5.0V to 32V
Inactive	0V to 3V or open loop



Indicator LEDs:

