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CatLinc™ RS-232 User's Guide



Caution:
This equipment does not allow the distribution of computer signals through Ethernet networking hubs or switches. Do not connect this device to a network hub or other communications equipment.

1. Introduction

The CatLinc™ RS-232 transmitter/receiver pair extends any RS-232 signal up to 1000m / 3300ft over CAT5, CAT5e, or CAT6 FTP, UTP or STP cable.

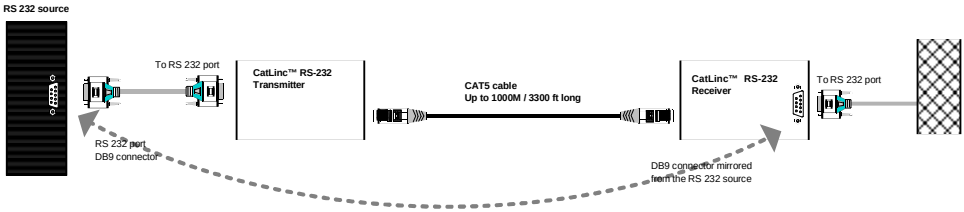
2. Features

- Transmits RS-232 data at 57.6 kbps up to 1000m / 3300ft (can transmit higher data rates at shorter distances)
- Full-duplex communication
- Advanced CAT5 technology
- Pure hardware solution - real time data transfer, no software conflicts
- Plug-and-play installation - no extra protocols needed
- 3 year warranty

3. Connecting the CatLinc™ RS-232 system

The figure below illustrates the CatLinc™ RS-232 system connections.

For distances up to 330m / 1000ft, connect a Power adapter to either the Transmitter or Receiver unit. For distances of more than 330m / 1000ft connect power adapters to both units.

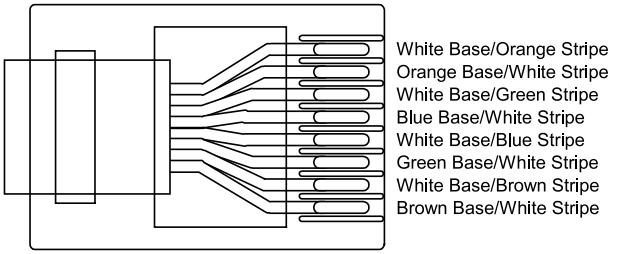


Once connected, the CatLinc™ RS-232 system is ready to transmit RS-232 signals.

Warning: In the CatLinc™ signal distribution system the CAT5 cables carry electrical power. Do NOT connect them to any other device. We recommend that you attach the enclosed warning stickers provided to the ends of each cable.

The CAT5 cable should be wired straight through. SP Controls recommends using the TIA-EIA T568B wiring standard for CAT5 termination.

TIA-EIA T568B Wiring (top view)



4. Technical specifications

System	
Maximum distance (at max. 56 kbps)	3300ft/1000m
Shipping weight	24oz/680g
Operating temp.	32ºF to 104ºF/0ºC to 40ºC
Storage temp.	-40ºF to 158ºF/-40°C to 70°C
Humidity	80% non-condensing relative humidity
System order number	CATLINC RS232
Warranty	3 years
Transmitter/Receiver	
Cables / Connectors	RS-232 - DB9F System - RJ45
Power jack	
Dimensions	2.93 x 1.75 x .98in/ 75 x 45 x 25mm
Weight	4.25oz/120g
Power supply	12VDC 2A from AC/DC adapter

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WARRANTY

SP Controls warrants all CatLinc™ products and accessories against defects in materials and workmanship for a period of three years from the date of purchase.

Although SP Controls thoroughly tested and reviewed this documentation, there is no warranty, express or implied, with respect to quality, merchantability, or fitness for a particular purpose. Therefore, the CatLinc™ and accessories are provided "as-is" and the purchaser assumes the entire risk as to quality and performance.

There are no obligations or liabilities on the part of the SP Controls Corporation for consequential damages arising out of or in conjunction with the use or performance of these products or other indirect damages with respect to loss of profit, revenue, or cost of removal and/or replacement. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary from state to state. SP Controls' maximum liability shall not exceed the price paid by the user.

All implied warranties, including warranties for merchantability and/or fitness, are limited in duration to three (3) years from the date of purchase. Proof of purchase must be provided with any claim.

Important Safety Instructions

1) Read these instructions.
2) Keep these instructions.
3) Heed all warnings.
4) Follow all instructions.
5) Do not use this apparatus near water.
6) Clean only with dry cloth.
7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
10) Only use attachments/accessories specified by the manufacturer.
11) Unplug this apparatus during lightning storms or when unused for long periods of time.
12) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

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