

SERIAL EXTENDER

RS-232 Serial Extender
Up to 3300 Feet (1000 Meters)



RS232EXTC5

Instruction Guide



* Actual product may vary from photo

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FCC COMPLIANCE STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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Introduction

Thank you for purchasing a StarTech.com RS-232 Serial Extender. You'll be able to place your serial devices up to 3300 feet (1000m) away from your system, an incredible 65 times greater than normal RS-232 serial cable length restrictions. The Local and Remote units connect using standard Category 5 Ethernet Cable and there's no need to buy additional hubs or software, you just plug in and go.

Features

- Extends the connection distance of your serial devices by up to 3300 feet (1000 meters) using Category 5 Ethernet cables
- Provides you with flexibility when choosing the location your serial peripherals by breaking the maximum RS-232 serial cable length of 50 feet (15 meters)
- Allows you to control serial devices from a remote location
- Features data transfer rates of up to 57.6 Kbits/sec with full duplexing
- Pure hardware design, no software or drivers required

Before You Begin

CAUTION: The Category 5 cable you will use to connect the modules of the RS-232 Serial Extender carries electrical power which could damage other devices. We strongly suggest that you do **not** connect either RS-232 Serial Extender module to another device. You can use the stickers provided to mark both ends of the Category 5 cable for easy identification.

System Requirements

- RS-232 serial cables to connect the local and remote modules to the source and destination devices (if required)
- Standard straight-through Category 5 cable up to 3300 feet (1000 meters)

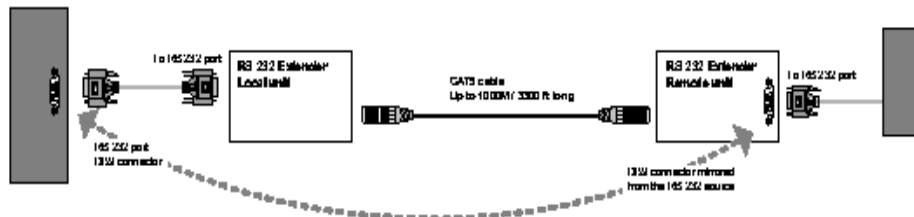
Do you need additional cables? Visit www.startech.com to find what you need and the name of your local StarTech.com dealer.

Contents

- 1 x RS-232 Serial Extender Local Unit
- 1 x RS-232 Serial Extender Remote Unit
- 2 x Power Adapter
- 1 x Set of Cable Identification Stickers

Connecting Your RS-232 Serial Extender

The diagram below demonstrates how to connect the RS-232 Serial Extender to your devices. The kit contains two modules: the local unit (with a female RS-232 serial port) and the remote unit (with a male RS-232 serial port). The local unit connects to the **source** device that you wish to print or send information from (computer, point-of-sale terminal, etc.). The remote unit connects to the **destination** device that will receive the information (printer, computer, etc.). You will use a standard Category 5 Ethernet cable to connect the two modules. For distances of up to 1000 feet (330 meters), you only need



to connect a power adapter to one module (either the local unit or the remote unit). For longer distances, connect a power adapter to **both** modules.

Once both modules are in place, the RS-232 Serial Extender becomes transparent to you and your equipment. Your devices will function like they are connected directly.

Technical Specifications

Local Unit

Connections	RS-232 DB9 Female RJ-45 Power
Dimensions	2.95" x 1.77" x 0.98" (LxHxW) 75mm x 45mm x 25mm (LxHxW)
Weight	4.23 oz. (120g)
Power Supply	12v DC 2A from AC/DC adapter
Operating Temp.	32-104° F. (0-40° C.)
Humidity	80% non-condensing relative humidity

Remote Unit

Connections	RS-232 DB9 Male RJ-45 Power
Dimensions	2.95" x 1.77" x 0.98" (LxHxW) 75mm x 45mm x 25mm (LxHxW)
Weight	4.23 oz. (120g)
Power Supply	12v DC 2A from AC/DC adapter
Operating Temp.	32-104° F. (0-40° C.)
Humidity	80% non-condensing relative humidity

DB9 Pin Assignment

Pin 1: (unassigned)
Pin 2: Receive Data
Pin 3: Transmit Data
Pin 4: Data Terminal Ready
Pin 5: Signal Ground
Pin 6: Data Set Ready
Pin 7: Request to Send
Pin 8: Clear to Send
Pin 9: (unassigned)

Technical Support

The following technical resources are available for this StarTech.com product:

On-line help:

We are constantly adding new information to the *Tech Support* section of our web site. To access this page, click the *Tech Support* link on our homepage, www.startech.com. In the tech support section there are a number of options that can provide assistance with this product.

Knowledge Base - This tool allows you to search for answers to common issues using key words that describe the product and your issue.

FAQ - This tool provides quick answers to the top questions asked by our customers.

Downloads - This selection takes you to our driver download page where you can find the latest drivers for this product.

Call StarTech.com tech support for help:

USA/Canada: 1-800-265-1844

UK/Ireland/Europe: 00-800-7827-8324

Support hours: Monday to Friday 8:30AM to 6:00PM EST (except holidays)

Warranty Information

This product is backed by a one-year warranty. In addition, StarTech.com warrants its products against defects in materials and workmanship for the periods noted, following the initial date of purchase. During this period, the products may be returned for repair, or replacement with equivalent products at our discretion. The warranty covers parts and labor costs only. StarTech.com does not warrant its products from defects or damages arising from misuse, abuse, alteration, or normal wear and tear.

Limitation of Liability

In no event shall the liability of StarTech.com Ltd. and StarTech.com USA LLP (or their officers, directors, employees or agents) for any damages (whether direct or indirect, special, punitive, incidental, consequential, or otherwise), loss of profits, loss of business, or any pecuniary loss, arising out of or related to the use of the product exceed the actual price paid for the product.

Some states do not allow the exclusion or limitation of incidental or consequential damages. If such laws apply, the limitations or exclusions contained in this statement may not apply to you.

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