



# **RS-232 to Multi-Mode Fiber Optic Media Converter**

(ID-SC0F11-S1)

## **User's Manual**



04-0780A

## **Introduction**

This converter converts RS-232 signals to fiber for data transmission and communication

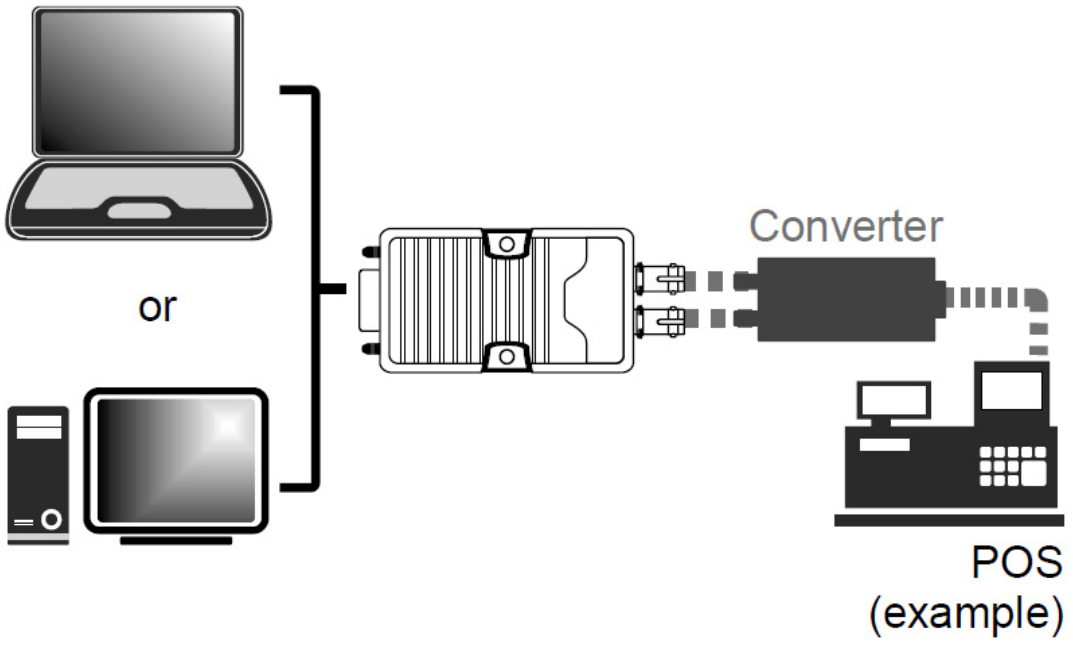
## **Features**

- RS-232 to fiber communication
- Support full duplex asynchronous data transmission
- Support data transfer rate up to 921.6 Kbps
- Extend RS-232 transmission up to 5km with multi-mode
- Compact size
- Wall mount support

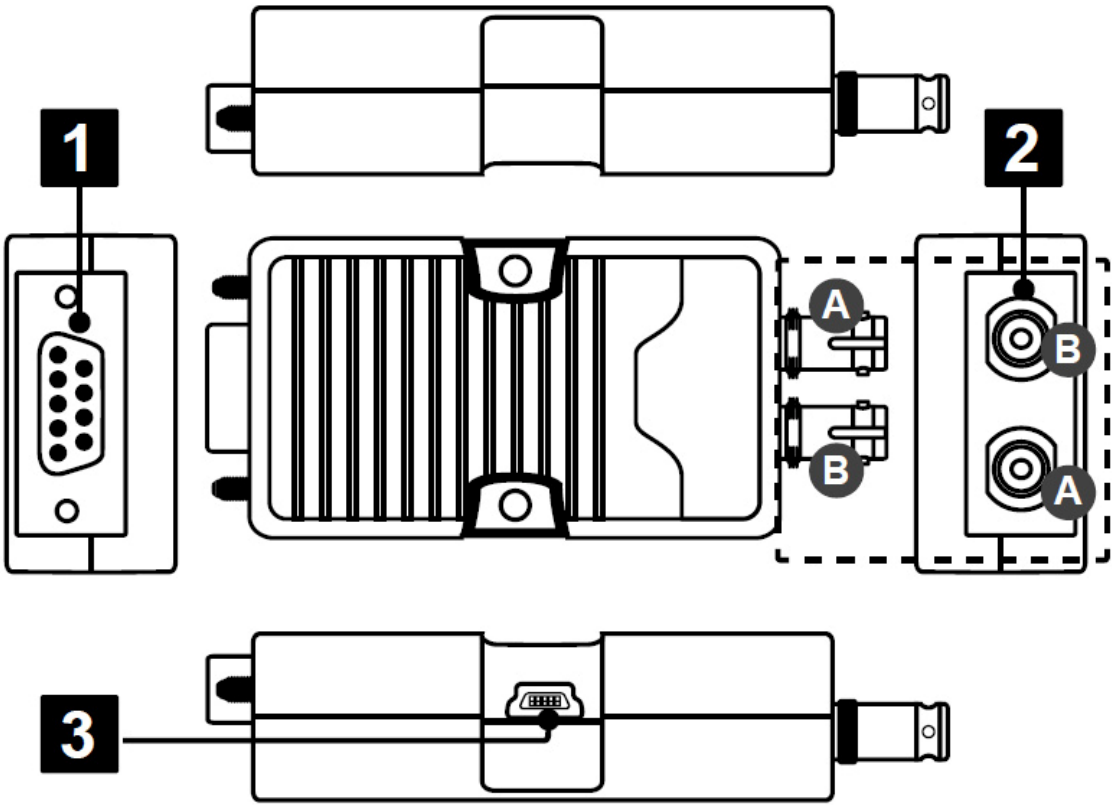
## **Package Contents**

- RS232 to Multi-Mode Fiber Optic Media Converter
- USB cable
- Screws (2)
- User's manual

# Connection Diagram



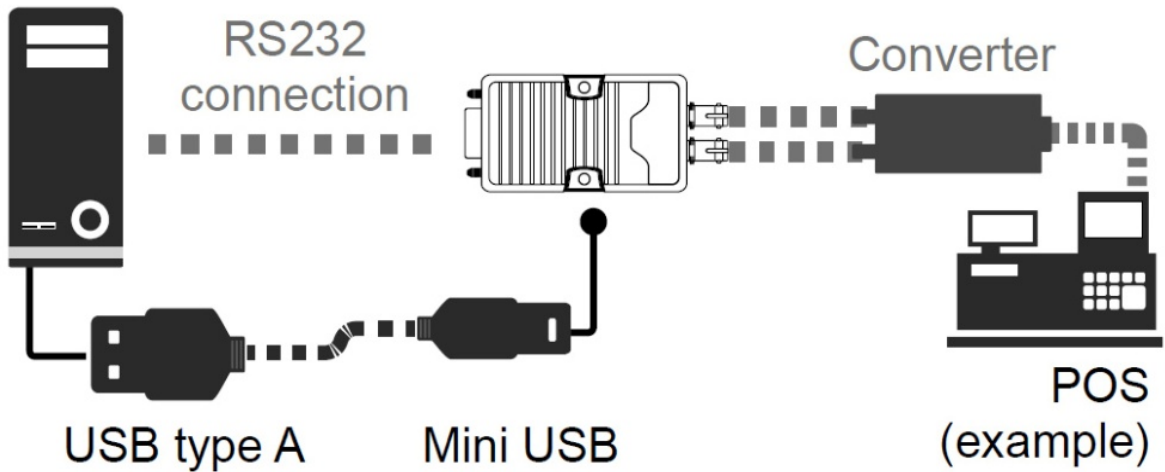
# Product Overview



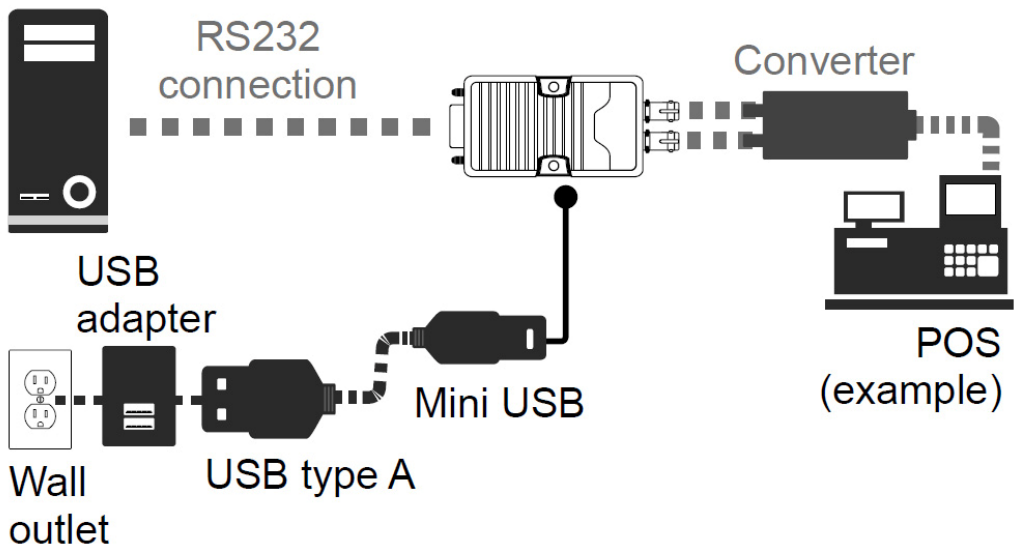
1. RS-232
2. Fiber connectors (A: RX, B: TX )
3. Mini USB Type-B plug

## External Power

If the connected device requires more power than the converter can provide, use the included **USB cable** to connect the converter to your computer's USB port or USB wall power adapter (not included).

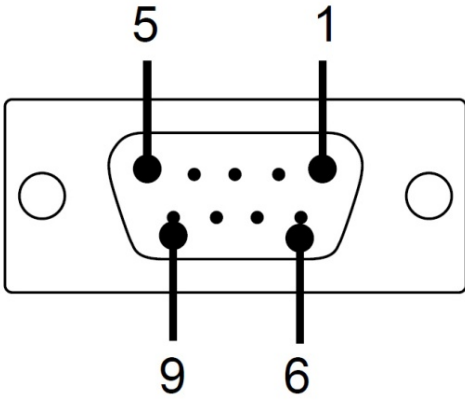


## Alternatively



# Pin Assignment

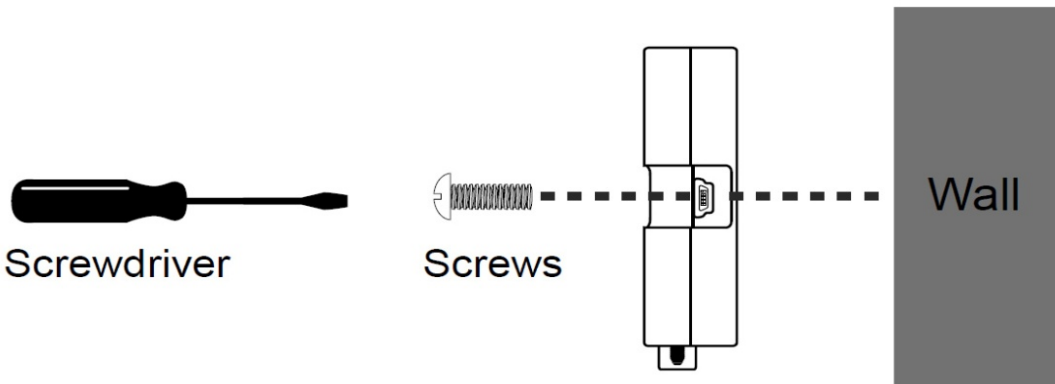
## DB9 Connector



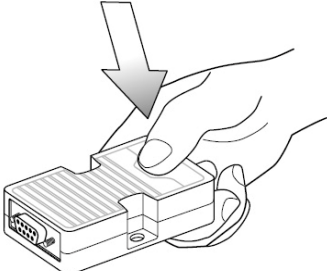
DB9	
1	DCD
2	TxD
3	RxD
4	DSR
5	GND
6	DTR
7	CTS
8	RTS
9	---

## Wall Mount Assembly

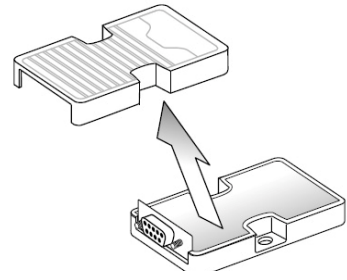
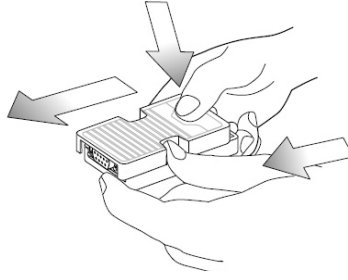
Tighten 2 screws through the screw holes using a screw driver as shown.



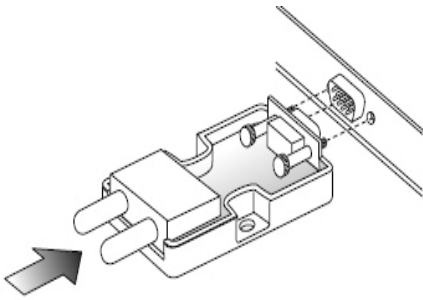
## Assemble to a Device



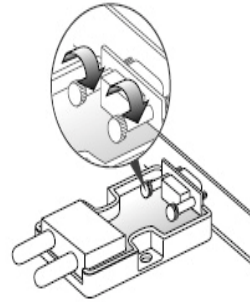
**Hold the lower cover, push and slide the upper cover**



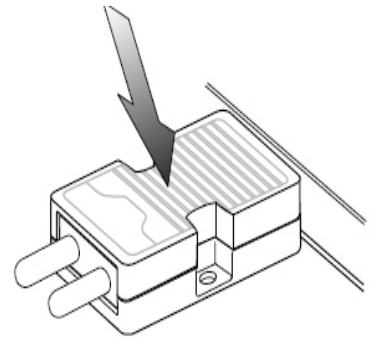
**Remove the upper cover**



**Plug in the RS-232 connector to your system's RS-232 port**



**Secure the connector by tightening the two screws**



**Hold the lower cover and push the upper cover back into the lock position**

# Specifications

Item	Description
Ports	1x Fiber Optic Cable (multi-mode)
Connectors	ST Connector
Fiber Communication	Support Cable: 50/125, 62.5/125 Wavelength: 1310nm Distance: Multi mode fiber for 5km Tx Output: -10dBm Rx Sensitivity: -18dBm Point-to-point Transmission Full duplex
Serial Communication Speed	Baud rate: 921.6Kbps Signals for RS-232: TxD, RxD, GND
Interface	RS-232
Interface Connector	Female DB9, Mini USB
Power Requirement	Serial Power Source: TxD, RTS, DTR External Power (USB): 5V Operating Current: <50 mA @ 5VDC
Operation Temperature	0°C to 60°C
Operation Humidity	5 to 95%RH
Regulatory Approvals	FCC/CE

Specification is subject to change without further notice.



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# Technical Support and Warranty

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**QUESTIONS?** SIIG's **Online Support** has answers! Simply visit our website at [www.siig.com](http://www.siig.com) and click on **Support**. Our online support database is updated daily with new drivers and solutions. Answers to your questions could be just a few clicks away. You can also submit questions online and one of our technical support analysts will promptly respond.

SIIG offers a 3-year manufacturer warranty with this product. This warranty covers the original purchaser and guarantees the product to be free of any defects in materials or workmanship for three (3) years from the date of purchase of the product.

SIIG will, at our discretion, repair or replace (with an identical product or product having similar features and functionality) the product if defective in materials or workmanship. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Please see our web site for more warranty details.

A) If it is within the store's return policy period, please return the product to the store where you purchased from.

B) If your purchase has passed the store's return policy period, please follow these steps to have the product repaired or replaced.

**Step 1:** Submit your RMA request.

Go to [www.siig.com](http://www.siig.com), click **Support**, then **REQUEST A PRODUCT REPLACEMENT**, then RMA to submit a request to **SIIG RMA** or fax a request to 510-657-5962. Your RMA request will be processed, if the product is determined to be defective, an RMA number will be issued.

**Step 2:** After obtaining an RMA number, ship the product.

- Properly pack the product for shipping. All software, cable(s) and any other accessories that came with the original package must be included.
- Clearly write your RMA number on the top of the returned package. SIIG will refuse to accept any shipping package, and will not be responsible for a product returned without an RMA number posted on the outside of the shipping carton.
- You are responsible for the cost of shipping the product to SIIG at the following address:

**SIIG, Inc.**

**6078 Stewart Avenue**

**Fremont, CA 94538-3152, USA**

**RMA #:** \_\_\_\_\_

- SIIG will ship the repaired or replaced product via Ground in the U.S. and International Economy outside of the U.S. at no cost to the customer.

## **About SIIG, Inc.**

Founded in 1985, SIIG, Inc. is a leading manufacturer of IT connectivity solutions (including Serial ATA and Ultra ATA Controllers, FireWire, USB, and legacy I/O adapters) that bridge the connection between Desktop/Notebook systems and external peripherals. SIIG continues to grow by adding A/V and Digital Signage connectivity solutions to our extensive portfolio. All centered around the distribution and switching of A/V signals over CAT5/6, these products include matrix switches, distribution amplifiers, extenders, converters, splitters, cabling, and more.

SIIG is the premier one-stop source of upgrades and is committed to providing high quality products while keeping economical and competitive prices. High-quality control standards are evident by one of the lowest defective return rates in the industry. Our products offer comprehensive user manuals, user-friendly features, and most products are backed by a lifetime warranty.

SIIG products can be found in many computer retail stores, mail order catalogs, and e-commerce sites in the Americas, as well as through major distributors, system integrators, and VARs.

### **PRODUCT NAME**

**RS232 to Multi-Mode Fiber Optic Media Converter**

FCC RULES: TESTED TO COMPLY WITH FCC PART 15, CLASS  
B OPERATING ENVIRONMENT: FOR HOME OR OFFICE USE

### **FCC COMPLIANCE STATEMENT:**

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

### **THE PARTY RESPONSIBLE FOR PRODUCT COMPLIANCE**

SIIG, Inc.  
6078 Stewart Avenue  
Fremont, CA 94538-3152, USA  
Ph: 510-657-8688

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**April, 2012**

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