# **REX-USB60F**

# USB Serial Converter

# **Installation Guide for Windows**

2016.05 Rev. 1.00



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# **1.Introduction**

### 1-1. Overview

- REX-USB60F is a USB to serial converter. Compatible with Universal Serial Bus specifications Rev. 1.1.
- Up to 230.4Kbps data transfer rate.
- Standard USB (A type Male) Easy to connect PC.
- •Virtual COM port driver REX-USB60F can be used with FTDI's VCP drivers to provide a COM port on a PC.
- •LED indicators REX-USB60F has "PWR/TXD/RXD" LED indicators for monitoring communication status. PWR: power / TXD: transmit / RXD: receive

#### 1-2. Package Contents

This product is shipped with the following items:

- REX-USB60F USB Serial Converter
- Setup CD-ROM.
- Installation Guide
- Warranty Card in Japanese

#### 1-3. System Requirements and Restrictions

Host machine

•Windows PC with free Standard USB A type port

**Operating System** 

- Windows 10, Windows 8.1, Windows 8, Windows7, Windows Vista
- Windows Server 2012 R2, Windows Server 2012, Windows Server 2008 R2, Windows Server 2008



## 1-4. DB9(RS-232C) connector Pin Assignment

The pin assignment of the connector is below:

This DB9pin connector is compatible with ANSI/EIA/TIA-574 specifications.



Pin#	Signal Name	Direction DTE - DCE.	Meaning
1	DCD	<	Data Carrier Detected
2	RXD	<	Received Data
3	TXD	>	Transmitted Data
4	DTR	>	Data Terminal Ready
5	GND	-	Signal Ground
6	DSR	<	Data Set Ready
7	RTS	>	Request to Send
8	CTS	<	Clear to Send
9	RI	<	Ring Indicator

# 2. Installation on Windows PC

Please make sure that the Windows PC meets the following specifications:

- USB port is Standard-USB A
- Windows version is Vista or later

#### 2-1. Installation on Windows 10/8.1/8/7/Vista/ Server 2012 R2/Server2012/Server 2008 R2/ Server 2008

Before connecting the REX-USB60F USB serial converter to a USB port, follow the instructions below:

- 1) Insert the setup CD-ROM for the REX-USB60F into your CD-ROM drive. Navigate to the [Setup] folder on the CD that contains the USB60F\_Setup.exe Double click USB60F\_Setup.exe.
- 2) A "User Account Control" dialog box may appear. Click [Yes] to proceed with the installation.

😌 User Account	Control	<b>×</b>
Do you change	u want to allow the following program es to this computer?	to make
స	Program name:       RATOC REX-USB60F Installer         Verified publisher:       RATOC Systems, Inc.         File origin:       Removable media on this com	puter
Show <u>d</u> etail	ils <u>Y</u> es	No
	Change when these notif	ications appear

3) The InstallShield Wizard for RATOC REX-USB60F Installer will start. Click [Next] to proceed with the installation.



#### 4) A "RATOC REX-USB60F Installer" will start. Click [Install] to proceed with the installation.

RATOC REX-USB60F Installer - InstallShield Wizard	<b>—</b>
<b>Ready to Install the Program</b> The wizard is ready to begin installation.	
Click Install to begin the installation.	
If you want to review or change any of your installation settings, click Back. I the wizard.	Click Cancel to exit
InstallShield	
< <u>B</u> ack	Cancel

5) A "Windows Security" dialog box will appear. Click [Install] to proceed with the installation.



6) A "Windows Security" dialog box will appear again. Click [Install] to proceed with the installation.

Windows Security
Would you like to install this device software?
Name: CDM Driver Package Publisher: RATOC Systems, Inc.
Always trust software from "RATOC Systems, Inc.".
You should only install driver software from publishers you trust. How can I decide which device software is safe to install?

7) The screen will automatically complete and then change to the one below:



Click [Finish]. The "RATOC REX-USB60F Installer" has finished.

Connect the REX-USB60F to a spare USB port on your PC. The necessary drivers will be found. It will start installation and automatically finish.

Proceed to (2-2) Confirmation of setting REX-USB60F to confirm the installation has finished properly.

#### 2-2. Confirmation

For confirming the installation has finished properly. Open the Device Manager and select "View > Devices by Connection".

Under the "Ports(COM/LPT)" category, the label "USB Serial Port" with an additional COM port will appear.

If the label "USB Serial Port" shows without yellow "!" mark, the installation is done properly.



#### 2-3. Uninstallation on Windows 10/8.1/8/7/Vista Server 2012 R2/Server 2012/Server 2008 R2/Server 2008

Open the [Program and function] at the [Control Panel]. Select the [RATOC REX-USB60F Installer] and click [Uninstall].

CO v 🖾 « All Control Panel	Items 🕨 Programs and Features 🔹 👻 Search Program	ns and Features 🔎	
Control Panel Home View installed updates 😵 Turn Windows features on or	ontrol Panel Home ew installed updates urn Windows features on or Uninstall a program, select it from the list and then click Uninstall, Change, or Repair.		
off	Organize 🔻 Uninstall Change	:≡ ▾ 🔞	
	Name	Publisher 🔺	
	<ul> <li>Microsoft Visual C++ 2015 Redistributable (x64) - 14.0.23506</li> <li>Microsoft Visual C++ 2015 Redistributable (x86) - 14.0.23506</li> <li>Microsoft Visual Studio Professional 2015 with Update 1</li> <li>Microsoft Web Deploy 3.6</li> <li>Microsoft <math>\land \lor </math></li></ul>	Microsoft Corporation Microsoft Corporation Microsoft Corporation Microsoft Corporation Microsoft Corporation RATOC Systems, Inc. RATOC RATOC Systems, Inc. Realtek Semiconductor ( Realtek Renesas Electronics Corp	
	□ SSDT に必要なコンホーネント	Microsoft Corporation	
	<	4	
	RATOC Product version: 1.00.0000 Help link: http://www.ratocsystems.o	<u>com</u>	

The InstallShield Wizard for RATOC REX-USB60F Installer will start. The following dialog will appear. Click [Yes] to proceed with the uninstallation.

RATOC REX-USB60F Installer - InstallShield Wizard	- 23
Do you want to completely remove the selected application and all of its features?	
Yes No	

The screen will automatically complete and then change to the one below:



Click [Finish] to finish with the uninstallation.

# 3. Specifications

Product Name	REX-USB60F
Serial Input/Output level	RS-232C level
USB Specification	USB(Universal Serial Bus) Specifications Rev. 1.1
Connector	USB : Standard-USB Type A male
	RS-232C : D-Sub9 male (with anchor [#4-40])
Number of I/O ports	1 port
Unit Dimensions	3.35[L] x 1.1[W] x 0.43[H] in (85[L] x 28[W] x 11[H] mm)
Cable Length	Approx. 2.83 ft (85 cm)
Weight	0.194 oz (55 g)
Data transfer mode	Asynchronous (Start stop synchronization)
Data transfer Rate (Baud)	300/600/1,200/2,400/4,800/9,600/19,200/38,400
	57,600/115,200/230,400 bps
Transmit Distance	Within 50ft (15m)
Power Voltage	DC+5V (Powered for USB Bus)
Power Consumption	Average: 36mA(5V) Max.: 60mA(5V)
Serial Parameter	Data bit: 7/8 Start bit: 1 Stop bit: 1/2
	Parity bit: even/odd/none
RS-232C connector	D-SUB9PIN RS-232C connector Male
	ANSI/EIA/TIA-574
LED Indicators	PWR : Power LED
	If 5V power from USB bus is properly supplied
	from USB bus, this indicator LED will be on.
	TXD : Transmit data indicator (Host to Device)
	RXD : Receive data indicator (Device to Host)
Operating Environment	Temperature: 32°F to 122°F (0°C to 50°C)
	Humidity: 10 to 90% (non condensing)
Storage Environment	Temperature: -4°F to 149°F (-20°C to 65°C)
_	Humidity: 10 to 90% (non condensing)

Note:

- 1. Do not remove while the application is communicating. System will be unstable.
- 2. Do not operate to suspend while the application is communicating. System will be unable to resume properly.
- 3. This product does not support the serial mouse for connecting to RS-232C port.

