

## DM-D Virtual COM Port Driver

# User's Manual

---

**Overview**

**Installation and Uninstallation**

## Cautions

- No part of this document may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of Seiko Epson Corporation.
- The contents of this document are subject to change without notice. Please contact us for the latest information.
- While every precaution has been taken in the preparation of this document, Seiko Epson Corporation assumes no responsibility for errors or omissions.
- Neither is any liability assumed for damages resulting from the use of the information contained herein.
- Neither Seiko Epson Corporation nor its affiliates shall be liable to the purchaser of this product or third parties for damages, losses, costs, or expenses incurred by the purchaser or third parties as a result of: accident, misuse, or abuse of this product or unauthorized modifications, repairs, or alterations to this product, or (excluding the U.S.) failure to strictly comply with Seiko Epson Corporation's operating and maintenance instructions.
- Seiko Epson Corporation shall not be liable against any damages or problems arising from the use of any options or any consumable products other than those specified as Original Epson Products or Epson Approved Products by Seiko Epson Corporation.

## Trademarks

EPSON is a registered trademark of Seiko Epson Corporation.

Exceed Your Vision is a registered trademark or a trademark of Seiko Epson Corporation.

Microsoft<sup>®</sup>, Windows<sup>®</sup>, and Windows Vista<sup>®</sup> are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.

All other trademarks are the property of their respective owners and used for identification purpose only.

© Seiko Epson Corporation 2015. All rights reserved.

## For Safety

### Key to Symbols

The symbols in this manual are identified by their level of importance, as defined below. Read the following carefully before handling the product.

**NOTE**

Provides important information and useful tips.

## Restriction of Use

When this product is used for applications requiring high reliability/safety, such as transportation devices related to aviation, rail, marine, automotive, etc.; disaster prevention devices; various safety devices, etc.; or functional/precision devices, etc., you should use this product only after giving consideration to including fail-safes and redundancies into your design to maintain safety and total system reliability. Because this product was not intended for use in applications requiring extremely high reliability/safety, such as aerospace equipment, main communication equipment, nuclear power control equipment, or medical equipment related to direct medical care, etc., please make your own judgment on this product's suitability after a full evaluation.

# Contents

■ For Safety .....	3
Key to Symbols .....	3
■ Restriction of Use .....	3
■ Contents .....	4

---

## Overview.....5

■ Features .....	5
■ Package Structure .....	5
■ Operating Environment .....	6
OS .....	6
Customer Display .....	6
■ Differences Depending on the OS .....	7

---

## Installation and Uninstallation.....8

■ Installation .....	8
Preparation .....	8
Installation .....	8
■ Uninstallation .....	11

# Overview

This chapter explains the characteristics and the operating environment of DM-D Virtual COM Port Driver.

## Features

DM-D Virtual Port COM Port Driver allows the customer display of the USB interface to be recognized as virtual serial port. You can control the customer display by specifying the virtual serial port from the application.

DM-D Virtual COM Port Driver includes the following drivers.

- USB Serial Converter
- USB Serial Port

1

## Package Structure

DM-D Virtual COM Port Driver comes as a ZIP file package.

File name: DM-D(USB)\_VCPdriver\_Verx.xx.zip

The extracted ZIP file includes the following components.

Extract Folder/File	Descriptions
DM-D(USB)_VCPdriver_Verx.xx	The package folder of DM-D Virtual COM Port Driver.
Driver	This folder contains the drivers for DM-D Virtual COM Port Driver. Specify this folder as the installation folder.
Manual	It contains this document.
README.en.txt	The README file (English).
README.jp.txt	The README file (Japanese).

# Operating Environment

## OS

- Microsoft Windows 10 (32 bit/64 bit)
- Microsoft Windows 8.1 (32 bit/64 bit)
- Microsoft Windows 8 (32 bit/64 bit)
- Microsoft Windows 7 SP1 (32 bit/64 bit)
- Microsoft Windows Vista SP2 (32 bit/64 bit)
- Microsoft Windows XP SP3 (32 bit)

## Customer Display

- DM-D110 USB Interface
- DM-D210 USB Interface

## Differences Depending on the OS

The content of the descriptions of some operations in this book may be different depending on the OS. See the following.

Item	Descriptions
Screens shown	Screens in Windows 10 are used for the descriptions in this manual. If you are using a different OS, apply the information here to your OS.
Displays for Device Manager	Windows 10 [Desktop] - Right click [Start] - [Device Manager] Windows 8.1/Windows 8 [Desktop] - Sidebar [Settings] - [Control Panel] - [Hardware and Sound] - [Device Manager] Windows 7 [Start] - [Control Panel] - [Hardware and Sound] - [Device Manager] Windows Vista [Start] - [Control Panel] - [System and Maintenance] - [Device Manager]

# Installation and Uninstallation

This chapter describes how to install and uninstall DM-D Virtual COM Port Driver.

While a customer display can be connected to a computer alone, it can also be used in combination with a TM printer using the same port.

## Installation

### Preparation

Extract the driver files and save them to your computer.

Since you need to specify the folder for the extraction of driver installation files manually, be sure to make a note of the save location.

### Installation

Install DM-D Virtual COM Port Driver using Windows Device Manager.

The user must install the drivers included in DM-D Virtual COM Port Driver in the following order.

1. USB Serial Converter
2. USB Serial Port

Follow the steps below to install DM-D Virtual COM Port Driver.

- 1 Close all running applications.**
- 2 Connect the USB cable of the customer display to USB connector of the computer.**

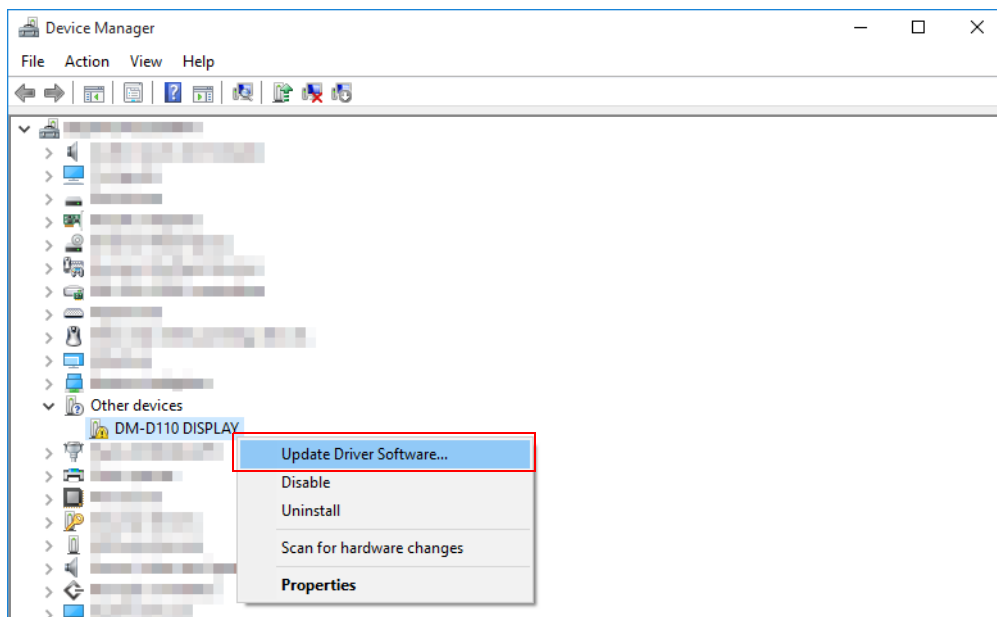
**NOTE**

Install the drivers manually, not with Windows Update.

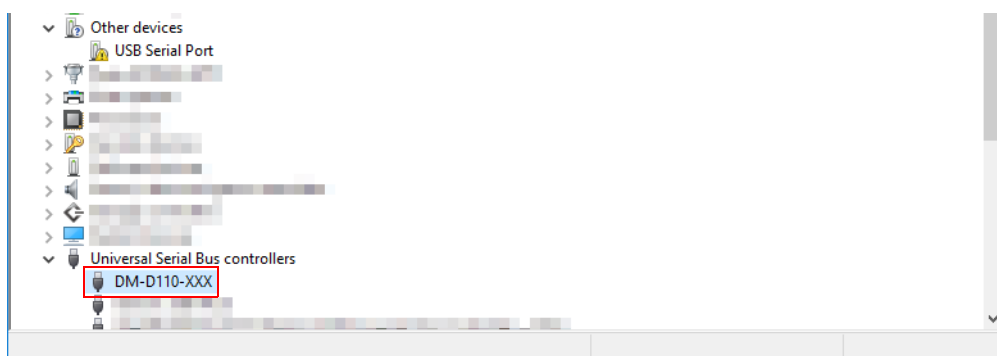
- 3 Right click [Start], then select [Device Manager].**  
Device Manager appears.



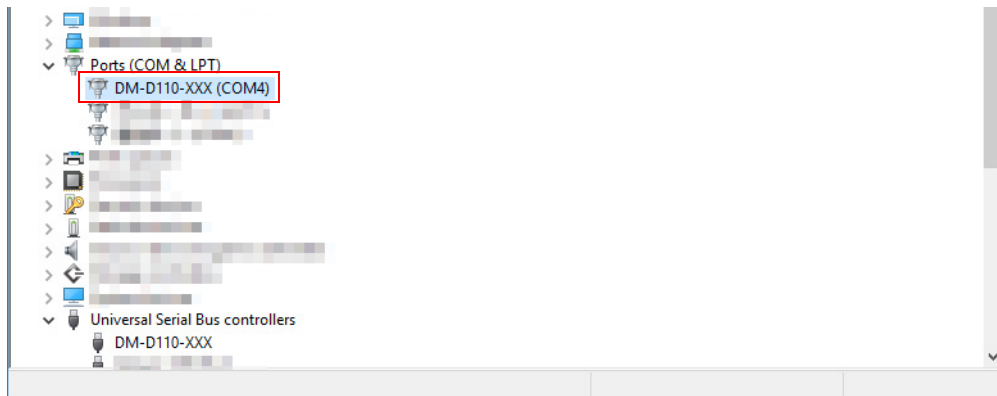
- 4** Install USB Serial Converter first.  
Right-click [Other Devices] - [DM-D110 DISPLAY] in "Device Manager", and then click [Update Driver Software].



- 5** "Update Driver Software-DM-D110 DISPLAY" screen appears.  
Click [Browse my computer for driver software].
- 6** The "Browse for driver software on your computer" screen appears.  
Select [Include subfolders] and specify the Driver folder of the package folder (DM-D(USB)\_VCPdriver\_Verx.xx) that you extracted.  
Example: C:\Users\UserPC\Desktop\DM-D(USB)\_VCPdriver\_Ver2.01\Driver
- 7** Click [Next].  
USB Serial Converter is installed.
- 8** "Windows has successfully updated your driver software" screen appears.  
Click [Close].
- 9** Make sure that [DM-D110-XXX] is in [Universal Serial Bus controllers] on Device Manager.



- 10** Install USB Serial Port next.  
Right-click [Other Devices] - [USB Serial Port] in "Device Manager", and then click [Update Driver Software].
- 11** "Update Driver Software-USB Serial Port" screen appears.  
Click [Browse my computer for driver software].
- 12** The "Browse for driver software on your computer" screen appears.  
Select [Include subfolders] and specify the Driver folder of the package folder (DM-D(USB)\_VCPdriver\_Verx.xx) that you extracted.  
Example: C:\Users\UserPC\Desktop\DM-D(USB)\_VCPdriver\_Ver2.01\Driver
- 13** Click [Next].  
USB Serial Port is installed.
- 14** "Windows has successfully updated your driver software" screen appears.  
Click [Close].
- 15** Make sure that [DM-D110-XXX] is in [Ports (COM & LPT)] on the "Device Manager" screen.

**NOTE**

The virtual serial port number will be automatically assigned. You can access the screen if you specify this port from the application.

- 16** Make sure that the cursor is displayed on the screen of the customer display.

The installation of DM-D Virtual COM Port Driver is now complete.

## Uninstallation

To uninstall DM-D Virtual COM Port Driver, use Device Manager, not Add or Remove Programs.

The user must uninstall DM-D Virtual COM Port Driver in the following order.

1. USB Serial Port
2. USB Serial Converter

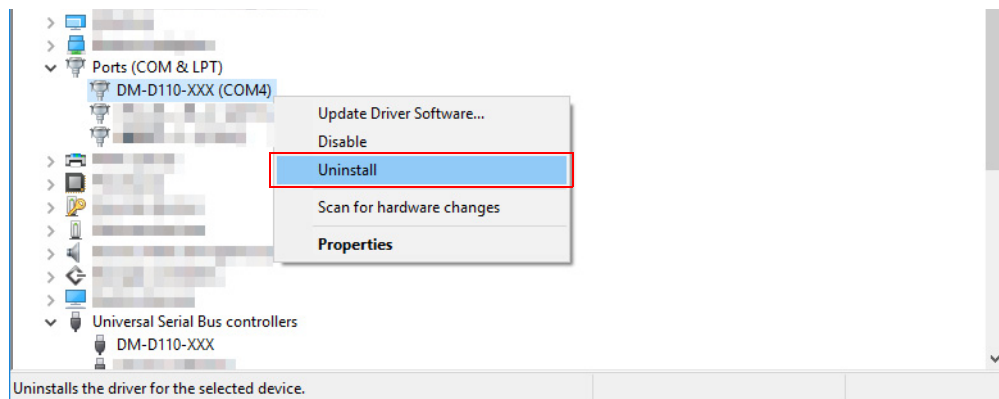
Follow the steps below to uninstall DM-D Virtual COM Port Driver.

### 1 Right-click [Start], then select [Device Manager].

Device Manager appears.

### 2 Uninstall USB Serial Port first.

Right-click [Ports (COM&LPT)] - [DM-D110-XXX (COMx)] in "Device Manager", and then click [Uninstall].



### 3 The "Confirm Device Uninstall" screen appears. Check [Delete the driver software for this device], then click [OK].

The uninstallation screen appears, and USB Serial Port is uninstalled.

### 4 Uninstall USB Serial Converter next.

Right-click [Universal Serial Bus controllers] - [DM-D110-XXX] in "Device Manager", and then click [Uninstall].

### 5 The "Confirm Device Uninstall" screen appears. Check [Delete the driver software for this device], then click [OK].

The uninstallation screen appears, and USB Serial Converter is uninstalled.

The uninstallation of DM-D Virtual COM Port Driver is now complete.