

Installation Guide for USB Control

- Installation USB Serial Driver (Windows®)
- Installation DirectOut Update Tool (Windows®)
- Firmware Update Procedure (Windows®)



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Installation USB Serial Driver

Introduction

DirectOut devices with USB port can be controlled and updated via a Windows PC. While remote functionality is provided through a virtual com port driver, firmware updates use a proprietary communication with the device. For both USB remote and firmware updates the DirectOut USB Serial driver needs to be installed on the system.

Requirements

- Windows® operating system XP, Vista, 7, 8, 10
- USB port, USB cable, installation software for driver

Software and drivers can be downloaded at www.directout.eu. Virtualized environments such as Parallels, Virtual Box or other are **not** supported!

Driver Details

DirectOut CDM V 1.08

This driver provides access to both virtual com port and the proprietary direct interface access.

The driver works with the following DirectOut devices:

- MADI.SRC
- PRODUCER.COM
- M.1K2 (green)
- ANDIAMO Series
- MA2CHBOX Series
- EXBOX.BLDS
- EXBOX.GPIO
- MADI.MONI



Installation

- **1.** Unpack the driver files into a temp directory.
- **2.** Connect the USB port of the DirectOut device to a USB port of your computer.
- **3.** Switch the device on.
- **4.** When connecting the device Windows will try to download driver files from the Windows Update server. As the DirectOut drivers are not distributed through the Microsoft Update Service this attempt will fail.

Driver Software Installation		×
Device driver software was no	t successfully installed	
PRODUCER.COM	XNo driver found	
PRODUCER.COM	No driver found	
What can I do if my device did n	ot install properly?	
		Close

5. Press 'Start' and type 'Device Manager' into the search field. Press Enter.

Control Panel (3)
🚔 Device Manager
Niew devices and printers
🚔 Update device drivers
Files (1)
CDM 2 06 00 Release Info
₽ See more results
Device Manager Sleep

6. The Device Manager will show two unknown devices called 'PRODUCER.COM' (name may vary depending on the product).



7. Right click on the first device and select 'Update Driver Software...'.

	pointing devices				
	<u> </u>				
🕀 👰 Network adap	ters				
🖻 🚡 Other devices					
PRODUC PRODUC Processors Sound, videc System devic Universal Ser	Update Driver Software Disable Uninstall Scan for hardware changes				
, Chinesea ce	P <u>r</u> operties				
		-			

8. Select 'Browse my computer for driver software'.





9. Browse to the location where you downloaded and unpacked the driver and select the folder.

🔋 Up	date Driver Software - PRODUCER.COM	X
\bigcirc	Update Driver Software - PRODUCER.COM	
	Browse for driver software on your computer	
	Search for driver software in this location:	
	C:\Users\cbf\Downloads\DOTEC_Driver_CDM_V0102	
	✓ Include subfolders	
	Let me pick from a list of device drivers on my computer This list will show installed driver software compatible with the device, and all driver software in the same category as the device.	
	Next Cancel	

10. Click 'Next'. A Windows security warning will occur. Select 'Install' to continue. Once you mark the checkbox 'Always trust software from...' will prevent this warning to prompt again.

•-	indows Security
Wo	uld you like to install this device software?
	Name: CDM Driver Package - Bus/D2XX Driver Publisher: IMM Ingenieurbuero GmbH
V	Always trust software from "IMM Ingenieurbuero Install Don't Install On't Install
۲	You should only install driver software from publishers you trust. <u>How can I decide which</u> <u>device software is safe to install?</u>
	Priver Software - PRODUCER.COM
	Driver Software - PRODUCER.COM pdate Driver Software - PRODUCER.COM
<u>1</u> U	
1 U	pdate Driver Software - PRODUCER.COM
<u>0</u> U	pdate Driver Software - PRODUCER.COM
<u>0</u> U	pdate Driver Software - PRODUCER.COM
<u>n</u> U	pdate Driver Software - PRODUCER.COM
<u>n</u> U	pdate Driver Software - PRODUCER.COM
<u>n</u> U	pdate Driver Software - PRODUCER.COM
<u>n</u> U	pdate Driver Software - PRODUCER.COM

11. When Windows has finished the installation process press 'Close' to close the dialog.



- **12.** Repeat steps 6 to 10 for the remaining device in the Device Manager.
- **13.** A third device will be detected by Windows now, the serial com port.





14. Repeat steps 6 to 10 for the serial port. The assigned com port number will be displayed. To change the com port number please use the Device Manager, select 'D.O.TEC Serial Port' and change the port in the device properties.



15. Device Manager with all devices installed.



D.O.TEC Serial Port (COM11) Properties			
General Port Settings Driver Details			
D.O.TEC Serial Port (COM11)			
Driver Provider: D.O. TEC			
Driver Date: 05.06.2013			
Driver Version: 1.0.8.0			
Digital Signer: IMM Ingenieurbuero GmbH			
Driver Details To view details about the driver files.			
Update Driver To update the driver software for this device.			
Roll Back Driver If the device fails after updating the driver, roll back to the previously installed driver.			
Disable Disables the selected device.			
Uninstall To uninstall the driver (Advanced).			
OK Cancel			

16. You may check the properties (e.g. driver version) of the installed driver by right-click on the particular device.



Deinstallation

To uninstall the driver the device must be connected to the computer. To remove the DirectOut USB Serial driver from your system, please execute the following instructions:

- **1.** Press 'Start' and type 'Device Manager' into the search field. Press Enter.
- **2.** Select the node "Ports (COM & LPT)' and decollapse it.
- 3. Right click on 'D.O.TEC Serial Port (COMx)'
- 4. Select Uninstall
- 5. Check the 'Delete the driver software for this device' field and click 'OK'.

Confirm Device Uninstall			
D.O. TEC Remote Port			
Warning: You are about to uninstall this device from your system.			
Delete the driver software for this device.			
OK Cancel			

6. Decollapse the node 'Universal Serial Bus controllers'.

7. Right click on D.O.TEC Remote Port. Select Uninstall. Check the 'Delete driver software' field and click 'OK'.

8. Right click on D.O.TEC Update Bridge. Select Uninstall. Here will be no checkbox. Just click <OK>.

Installation DirectOut Update Tool

Introduction

This is a description of the installation routine for the DirectOut Update tool for Microsoft Windows®. To update the firmware of the connected device via USB the DirectOut Update Tool has to be installed first.

Requirements

- Windows® operating system XP, Vista, 7, 8, 10
- USB port, USB cable, installation software
- Installed drivers for D.O.Tec Update Bridge and the D.O.TEC Remote Port

Software and drivers can be downloaded at www.directout.eu. Virtualized environments such as Parallels, Virtual Box or other are **not** supported! See also "Installation USB Serial Driver" on page 5.

Installation

- **1.** Unpack the DO_UPDATE_xx.zip to a temp directory.
- 2. Make sure that all applications are closed.
- **3.** Double-Click DO_Update_Setup.msi (not Setup.exe!). The D.O.Update Setup Wizard will open.





4. Select the folder where the software has to be installed and click 'Next' twice to confirm the installation.

🖶 D.O. UPDATE				
Select Installation Folder	on the second second	XX, 17, 17, 18		
U.O.O.TEC DevelOut Technologies				
The installer will install D.O. UPDATE to the fo	blowing folder.			
To install in this folder, click "Next". To install	To install in this folder, click "Next". To install to a different folder, enter it below or click "Browse".			
Folder:				
C:\Programme\DirectOut GmbH\D.O. UP	DATE	Browse		
	[Disk Cost		
Install D.O. UPDATE for yourself, or for any	one who uses this computer.			
Everyone				
O Just me				
	Cancel < Back	Next >		

5. After the installation process has completed click 'Close' to exit the installation.



6. When the installation is done you can delete the temp directory.

Repair / Remove Installation

Once D.O.Update is already installed on the system and the installer is launched again it will offer a repair or removal of the installation. Select and click 'Finish' to confirm your choice.

Welcome to the D.O. UPDATE Setup Wizard			
Select whether you wa	ant to repair or remove D.O. UP	DATE.	
Repair D.O. UP	DATE		
C Remove D.O. U	PDATE		
	Cance	e Karak	Finish

After repair / removal click 'Close' to exit the installation wizard.





Firmware Update Procedure

Introduction

This is a description of the firmware update routine using the D.O.Update tool for Microsoft Windows®.

Requirements

- Windows® operating system XP, Vista, 7, 8, 10
- USB port, USB cable
- Installed drivers for D.O.Tec Update Bridge and the D.O.TEC Remote Port and installed D.O.Update (see "Installation USB Serial Driver" on page 5 and "Installation DirectOut Update Tool" on page 13).

Software and drivers can be downloaded at www.directout.eu. Virtualized environments such as Parallels, Virtual Box or other are **not** supported!

Installation

- **1.** Unpack the zip file (e.g. fw_madi_src_v22_20140519.zip) to a temp directory.
- 2. Make sure that the device is switched on and connected to the USB port.
- 3. Launch D.O.Update
- 4. D.O.Update will open and show the device to be updated.



 Browse to the unpacked firmware file (e.g. fw_madi_src_v22_20140519.dotf).

D.O.UPDA	TE 2.5	- 🗆 X
Command		
Device: Current Firmw	MADI.SRC are: 2.1	Rescan Devices
Update File: Firmware Revi Target Device		Run Update
Update Status	:: Update Idle	

6. Click <Run Update> to start the updating process.

D.O.UPDA	TE 2.5	- 🗆 X	
Command			
Device:	MADI.SRC	Rescan Devices	
Current Firmw	are: 2.2		
Update File:	fw_madi_src_v22_20140519	Run Update	
Firmware Revi Target Device:			
Update Status: Update Running Downloading data 22 %			
<mark>∫Dir</mark> ectOut Technologies			

Never disconnect the device during the update process! Neither the power nor the USB connection!



7. When the update is done you can exit D.O.Update.



Error Messages

Once there is no device connected and D.O.Update is launched an error message will pop up.

Device Error!	×
No Device connected!	
ОК	

Control the connections of the device and ensure that it is switched on. Then click the button 'Rescan Devices'.

Once an error occurs during or after the update process, the update procedure can be repeated easily.

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