

# USB DRIVER



FOR EA eDIPxxx, EA eDIPTFTxxx and EA EVALeDIPxxx



### HOW TO INSTALL THE USB DRIVER FOR EA EDIP-DISPLAYS

Connecting the display EA eDIPxxx and EA EVALeDIPxxx requires the installation of an USB driver. This is how to install the driver and EA LCD-Tools to upload a demo project to the display.

1) Go to our **Driver, Tools and Updates** page at <u>https://www.lcd-module.com/support/treiber-tools-updates.html</u>

Driver		
EA EVALeDIP, EA 9777, EA 9778 EA 9780-xUSB, EA 9781-xUSB for Windows 2000, XP, Vista	free of charge	USB driver Win XP (2.04.16)
EA EVALeDIP, EA 9777, EA 9778 EA 9780-xUSB, EA 9781-xUSB for Windows 7, 8, 10	free of charge	USB driver Win 10 (2.12.28)
EA uniTFT, EA QUICKuniTFT EA PLUG for Windows 7, 8, 10	free of charge	USB driver uniTFT (5.3)

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Depending on the operating system you are using. Download the **USB driver Win XP (2.04.16)** (Windows 2000, XP, Vista) or **USB driver Win 10 (2.12.28)** (Windows 7, 8, 10). In this guide we are using Windows 10. After having downloaded the USB driver Win 10 (2.12.28), extract the zip file called **97XX\_driver\_2\_12\_28.zip**. Save on your computer in designated location. The folder containing the driver is called **2.12.28**.

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2) Open the device manager by entering **devmgmt.msc** (Geräte-Manager) in the search bar next to the Windows start button. The devmgmt.msc will appear in the search bar. Right Click on the devmgmt.msc (Geräte-Manager) and then click on Run as administrator, you will probably have to enter the administrator password.







3) Once you have ran the device manager as an administrator it should appear as in the below picture.

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File Action View Help	
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Biometric devices	
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> 🛺 Human Interface Devices	
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> 🔚 Memory technology devices	
> 🕼 Mice and other pointing devices	
> 🛄 Monitors	
> 🚽 Network adapters	
> 🚍 Print queues	
>  Processors	
> 🛐 Security devices	
> 🔚 Sensors	
> 📑 Software components	
> 📱 Software devices	
> 🗃 Sound, video and game controllers	
> 🍇 Storage controllers	
> 🍢 System devices	
🔨 🛍 Universal Serial Rus controllers	~

4) Insert the **USB plug** in the socket on the **EA EVALeDIPxxx board**. Then insert the **USB A** into your computer.







5) On the Device Manager Window (Gerätemanager) search for **Other Devices**. Expand Other Devices. **eDIP Programmer** or **USB Serial Port** should appear under Other Devices. Right click on eDIP Programmer or USB Serial Port. A pop-up window will appear, now click on update driver.

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6) On the resulting pop-up choose, Browse my computer for driver software, and choose the location in which you saved the driver earlier (Folder is called **2.12.28**), then click next.







After windows has successfully installed the driver, click close. The device should now be recognized as **EA 9777-USB eDIP Programmer**, and the display is active.

	X		
$\leftarrow$	Update Drivers - EA 9777-USB eDIP Programmer		
	Windows has successfully updated your drivers		
	Windows has finished installing the drivers for this device:		
	EA 9777-USB eDIP Programmer		
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#### HOW TO INSTALL THE EA LCD-TOOLS EA EDIP-SERIES

1) Go to our Driver, Tools and Updates page at <u>https://www.lcd-module.com/support/treiber-tools-updates.html</u>.

Under Tools download <u>EA LCD-Tools V4.8</u> for the eDIP family.

ISPLA' ISIONS	Search	٩				ELECTRON ASSEMBI new display
OMPANY	PRODUCTS	SUPPORT	NEWS	FAQ	CONTACT	SHOP
ols						
			Tools			
EA DOG	DOG-Simul (Text- and	ator for Windows Graphic Displays)				DOG-Simulator V4.5
EA OLED	OLED-Simu (EA OLEDx	lator for Windows xx and EA Wxxxxx	; cx)			OLED-Simulator V0.5
EA eDIP EA eDIPTFT EA PLUG	Editor, Con - EA eDIP1 - EA eDIP1 - EA eDIP2 - EA eDIP3 - EA eDIPT - EA eDIPT - EA eDIPT - EA eDIPT - EA eDIPT - EA eLABE - EA PLUGX For Window	piler, Examples a 28-6 60-7 40-7 20-8 FT32-A FT43-A FT43-A FT57-A FT70-A L20-A xx vs 2000, XP, Vista	nd Demos for , Windows 7 / 8 / 2	10	free of charge	EA LCD-Tools V4.8

2) Once downloaded double click and open the file called **Setup LCD-Tools Portable 4.8.exe**. Click next on Setup Wizard.







3) Select Local Install on the following prompt and click on next.

Setup	×
Your choice: Portable Mode or Local Install?	
*** Portable Mode *** All necessary files are stored in a single directory, usually on a USB memory. *** Local Install *** (May require admin privileges) Local Install is basically the same as above. Usually the single directory will be or your harddrive. Additionall features are installed on your local machine: <ul> <li>Icons for the installed files</li> <li>Starting the appropriate editor by double click in Explorer</li> <li>optional Shortcuts in Startmenu, Quicklaunchbar and on desktop</li> <li>You can combine both by Local Install on all your PCs and manually copying the single directory to your USB stick. (Recommended)</li> </ul>	'n
O Portable Mode	
Local Install	
www.lcd-module.de	Cancel
C Daux Mexic >	concer

Select the destination folder and click next.

Setup	×
Select Destination Location Where should ELECTRONIC ASSEMBLY LCD-Tools Portable be installed?	
Setup will install ELECTRONIC ASSEMBLY LCD-Tools Portable into the following folder.	
To continue, click Next. If you would like to select a different folder, click Browse.	
C:\ELECTRONIC ASSEMBLY LCD-Tools Portable Browse	
At least 96.0 MB of free disk space is required.	
www.lcd-module.de <back next=""> Cancel</back>	

4) Click next on the following two setup prompts and click on Install.





5) The following error message may appear depending on your Windows Version. If so, please select ignore multiple times till the message disappears.

Setup	$\times$
Installing Please wait while Setup installs ELECTRONIC ASSEMBLY LCD-Tools Portable on your computer.	,
C Error Error creating registry key: HKEY_CLASSES_ROOT,.kmc RegCreateKeyEx failed; code 5. Access is denied. Click Retry to try again, Ignore to proceed anyway, or Abort	×
Cancel installation. <u>Abort</u> <u>Retry</u> <u>Ignor</u> LCD Tools	re
www.lcd-module.de	Cancel

6) Now the following message should appear. Please click on Finish.







#### UPLOADING A DEMO PROJECT TO YOUR EA EDIP

1) Insert the **USB B** in the socket on the **EA EVALeDIPxxx board**. Then insert the **USB A** into your computer.



2) Open the **KitEditor** by **a**) using the shortcut on your desktop or **b**) opening the **KitEditor** from the location that it is saved on your computer.



- « Ele	ectronic Assembly > Demo's > ELEC	CTRONIC ASSEMBLY LCD-Tools Port	able	ע טֿ Search
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		8/28/2019 11:02 AM	File folder	
	🖂 🔛 KitEditor.exe	2/14/2018 2:24 PM	Application	318 KB
	📓 KitEditor.ini	8/28/2019 11:13 AM	Configuration sett	1 KB
ts	📄 unins000.dat	8/28/2019 11:04 AM	DAT File	341 KB
	🍰 unins000.exe	8/28/2019 10:53 AM	Application	754 KB
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3) Click on file, then click on open.

Edit Search Co	ampile Window	Help
New	Ctrl+N	🔤 🥰 🖾 🚨 🌾 👫 🖓 ha
Open	Ctrl+O	
Reload		
Close	Ctrl+F4	
Close All		
Save	Ctrl+S	
Save As	Shift+Ctrl+S	
Save All		
Print	Ctrl+P	
Info - statistics		
Workspace		>
1 not used		
2 not used		
3 not used		
4 not used		
5 not used		
6 not used		
7 not used		
8 not used		
9 not used		
0 not used		
Bitmap Editor		
Instrument Editor		
Hardcopy Tool		
LCD Terminal		
eDIP Terminal		
Exit	Alt+F4	

4) Select Data, then select **eDIP – intelligent graphic displays**.

Open File								
← → → ↑ 📙 « Electronic Assembly → Demo's → ELECTRONIC ASSEMBLY LCD-Tools Portable → Data								
Organize 👻 New folder								
Screenshots ^ [	Name	Date modified	Туре	Size				
Training	📙 eDIP - intelligent graphic displays	8/28/2019 11:02 AM	File folder					
OneDrive	eLABEL - intelligent ePAPER	8/28/2019 11:02 AM	File folder					
	KIT - control panels	8/28/2019 11:02 AM	File folder					
This PC	- PLUG - intelligent OLED	8/28/2019 11:02 AM	File folder					
3D Objects								
Declara .								

5) Select **eDIPTFT43-A** or the module you are using.

🔄 Open File				
$\leftarrow \rightarrow \cdot \uparrow$ . Elect	RONIC ASSEMBLY LCD-Tools Portal	ble → Data → eDIP - intelligent g	raphic displays	✓ Ö Sei
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Screenshots ^	Name	Date modified	Туре	Size
- Training	BITMAPS	8/28/2019 11:02 AM	File folder	
OneDrive	eDIP128-6	8/28/2019 11:02 AM	File folder	
	eDIP160-7	8/28/2019 11:02 AM	File folder	
💻 This PC	eDIP240-7	8/28/2019 11:02 AM	File folder	
🧊 3D Objects	eDIP320-8	8/28/2019 11:02 AM	File folder	
E Desktop	eDIPTFT32-A	8/28/2019 11:02 AM	File folder	
Documents	eDIPTFT43-A	8/28/2019 11:02 AM	File folder	
L Downloads	eDIPTFT57-A	8/28/2019 11:02 AM	File folder	
Music	eDIPTFT70-A	8/28/2019 11:02 AM	File folder	
J) Music	FONTS	8/28/2019 11:02 AM	File folder	
Pictures	INSTRUMENTS	8/28/2019 11:02 AM	File folder	
Videos				





#### 6) Select My first project.

Open File	ta 🔉 eDIP - intelligent graphic displays 🔌	eDIPTET43-A		
Organize ▼ New folde	er	Con in the A		• •
Screenshots ^	Name ^	Date modified	Туре	Size
Training	Demo	8/28/2019 11:21 AM	File folder	
OneDrive	Demo - Eval	8/28/2019 11:23 AM	File folder	
	How to use	8/28/2019 11:02 AM	File folder	
💻 This PC	📙 Init	8/28/2019 11:02 AM	File folder	
3D Objects	📙 My first project	8/28/2019 11:24 AM	File folder	
Desktop	- Test	8/28/2019 11:02 AM	File folder	
Documents	📄 default_border.kmi	7/14/2008 8:39 AM	KMI File	2 K
	📄 default_constant.kmi	12/6/2011 7:44 AM	KMI File	3 K
Musia	default_font.kmi	7/25/2008 10:47 AM	KMI File	1 K
Pictures	default_pattern.kmi	6/30/2008 2:16 PM	KMI File	1 K

7) Double click on my\_first\_project.KMC to open the project in the KitEditor.

🔂 Open File					
← → ✓ ↑ 🧧 « Data → eDIP - intelligent graphic displays → eDIPTFT43-A → My first project 🔹					
Organize 💌 New folder					
Screenshots ^	Name	Date modified	Туре	Size	
📙 Training	my_first_project.KMC	4/10/2012 3:09 PM	KMC File	5 KB	
OneDrive					

8) Select Compile or press F5.

В	😽 KitEditor									
File	Edit	Search	Compile	Window	Help					
D I	🗳 🔒	😂   8	Com	pile	F5 💕	5	Ô	ő,	87 I	See.

- 9) Your project will be uploaded to the display (EA eDIPTFT43-A e.g.).
- 10) In the folder **How to use**, you will find many projects explaining commands and how to use them.