

Network Testing and Emulation Solutions

Installing the Ardunino Mega Driver on Windows 7

Goal: Installing the the Ardunino Mega device driver on Windows 7.

The automatic driver install process for Windows 7 might automatically install a Microsoft Windows version of the Arduino Mega driver. This is not the driver LANforge expects. These instructions will guide you how through uninstalling an old driver and installing the new driver.

- 1. You want to install the windows version of the LANforge Server beforehand. For more information see Installing LANforge Server on Windows
- 2. This process requires you to operate the Control Panel as Administrator. Some patch-levels of Windows 7 have secured this. A useful work around for this will be discussed shortly.
- 3. Getting to the **Device Manager**

Programs (3)	
📴 Control Panel	
📴 Control Panel	
🌠 Java Mission Control	
Control Panel (13)	
🌅 Parental Controls	
Sontrol the computer without the mouse or keyboard	
陀 Change User Account Control settings	
📾 Set up USB game controllers	
Documents (1)	
hosts.txt	
Files (415)	
🔊 gnome-volume-control-applet.desktop	
MULTIMEDIA-SYSTEM-CONTROL.c	
MULTIMEDIA-SYSTEM-CONTROL.h	
MULTIMEDIA-SYSTEM-CONTROL.asn	
\wp See more results	
control 😥 💽 Shut down 🕨	
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A. Start by clicking the *Start Menu* and typing **control ENTER**

B. Select Hardware and Sound



C. Select Device Manager



D. In the Device Manager window, right-click on the computer and select Scan for hardware changes



E. There will be an **Other devices**→**Unkown Device** entry. *Right-click* on it. If the options menu **only** gives you *Scan for hardware changes* or *Properties*, you might need to restart your control panel as Administrator, that is discussed next.



- F. If you have recently removed a driver, you might need to reboot your Windows system for it to complete the driver installation process.
- 4. Using the Run as Administrator option to start the Control Panel in administrator mode.
 - A. This works best with a CMD window pinned to the task bar. You can do that using Start Menu→ cmd ENTER; and then right-click→ Pin to Task Bar option on the task bar icon for the cmd.exe window.
 - B. Then *right-click* \rightarrow **Run as Administrator** on the **cmd** taskbar icon



C. Repeat your navigation steps to get to the Device Manager

- 5. If you find a previously installed driver, uninstall it. Especially if this is labeled **Windows Arduino Mega**
 - A. Right-click \rightarrow **Uninstall**



B. Select Delete the driver software for this device, and click **OK**



- C. Right-click on the computer, and select Scan for Hardware Changes
- D. You might need to un-plug and plug-in your Attenuator.
- E. If the *right-click* options menu does not allow you to change drivers, reboot your system.

6.

Install the LANforge Arduino Driver

Depending on your version of Windows, you might not find the driver file using the **Browse my computer** choice, you might find it using the **Automatically Search** choice.

A. In **Device Manager**, you want *right-click* on the **Unknown Device** and select **Update Driver Software...**



В.

Option 1: Select Search automatically for updated driver software:

🔋 Update Driver Software - LANforge Attenuator (Arduino Mega 2560 R3) (COM3)	×
Update Driver Software - LANforge Attenuator (Arduino Mega 2560 R3) (COM3)	
How do you want to search for driver software?	
→ <u>Search automatically for updated driver software</u> Windows will search your computer and the Internet for the latest driver software for your device, unless you've disabled this feature in your device installation settings.	
Browse my computer for driver software Locate and install driver software manually.	
	Cancel

A.	Click on Let me	pick from a	list of	device drivers	on my computer
	011011 011 200 1110		100001	actice anticie	on my compater

Browse for driver so	oftware on your computer			
Search for driver soft	ware in this location:			
C:\Program Files (x8	36)\LANforge-Server		Browse	e
• Let me pick fro This list will show the same catego	om a list of device drivers installed driver coftware comp ry as the device	on my computer atible with the device, a	and all driver so	ftware in

B. You see a list of drives. Click the **Have Disk** button:

	Update Driver Software - LANforg	e Attenuator (Arduino Mega 2560 R3) (COM3)
Sel	ect the device driver you want to i	nstall for this hardware.
100	Select the manufacturer and n disk that contains the driver ye	nodel of your hardware device and then click Next. If you have a ou want to install, click Have Disk.
	Show compatible hardware	Model
(S Br	itandard port types)	LANforge Attenuator (Arduino Mega 2560 R3)
C: C: ◀	andela Technologies (www.can ompaq GSM Radio Card ▼	
	This driver is not digitally signed! Tell me why driver signing is impo	Have Disk

c. Enter C:\Program Files (x86)\LANforge-Server. Click OK.

Select ui	Select the manufacturer and model of your ha	ardware.
	Install From Disk	× you have a
Show Manufa (Standa) Brother	Insert the manufacturer's installation di make sure that the correct drive is sele	lisk, and then OK ected below. Cancel
Candela Compac	Copy manufacturer's files from: C:\Program Files (x86)\LANforge-Sen	rven Browse

C.

Option 2: Select Browse my computer for driver software:

📕 De	vice Mar	nager	
File	Action	View	Help
-			
	jed-w7x	64	
	Bati	U 🗊	pdate Driver Software - Unknown Device
	Disk	()	Update Driver Software - Unknown Device
+ + +			How do you want to search for driver software?
			Search automatically for updated driver software Windows will search your computer and the Internet for the latest driver software for your device, unless you've disabled this feature in your device installation settings.
			Browse my computer for driver software Locate and install driver software manually.
			Cancel

A. Browse to C:\Program Files (x86)\LANforge-Server and click Next



B. This is not a signed driver. Please confirm the installation.



c. You will see the Update Driver Software confirmation. Click Close.



D. You should not need to reboot your system in order to run the Attenuator.

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