## RME Driver Install and Update Guide for Windows XP

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This step-by-step guide is intended to show RME users how to install drivers and set up a device for the first time under Windows XP. Since most computer peripherals these days use executable files for driver install, not too many people are experienced with directing the Found New Hardware Wizard properly.

Download the latest driver and flash update tool for your interface and operating system from the RME website. Extract the downloaded Zip files to folders (Right-click, Extract All).

Thunderbird	<u>Open</u>	٦
	S <u>e</u> arch	
S	Explore	
Samplitude 9 professional	Save folder listing to file	_
	Extract A	
	Scan with ClamWin Free Antivirus	
	7-Zip	F
	Open Wit <u>h</u>	1
	ig TuneUp Shredder	
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	Delete	
	Rena <u>m</u> e	
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fut_win_f w2fi	in i	

Updating the driver for an RME device is very similar to the initial install, and all the steps below apply to this process. You can start the driver update by launching the Driver Update Wizard manually. Find your RME interface in the Device Manager (Control Panel -> System -> Hardware tab -> Device Manager) under the Sound, Video and Game Controllers heading. Right-click on the device and select **Update Driver**.

🚇 Device Manager		- 🗆 🔀
File Action View Help		
← → 🖪 🗗 🎒 😵	🕺 考 🕱 💋	
<ul> <li>Floppy disk controllers</li> <li>Floppy disk drives</li> <li>Human Interface Device</li> <li>IDE ATA/ATAPI controll</li> <li>Floppy disk drives</li> <li>Endote Table</li> <li>Keyboards</li> </ul>	ers trollers	~
<ul> <li>Mice and other pointing</li> <li>Monitors</li> <li>Monitors</li> <li>Network adapters</li> <li>Ports (COM &amp; LPT)</li> <li>Processors</li> <li>Sound, video and game</li> <li>Audio Codecs</li> <li>Bluetooth Hands-free</li> <li>Bluetooth Stereo Au</li> <li>Creative SB Audigy</li> <li>Legacy Audio Driver</li> </ul>	devices e controllers ee Audio udio 2 (WDM) rs	
Legacy Video Captu Media Control Device RME Fireface 400 Video Codecs System devices Cuniversal Serial Bus co Launches the Hardware Update W	Update Driver Disable Uninstall Scan for hardware changes	>

Shut down the computer and install the interface. After restarting the computer you will be greeted with the Found New Hardware Wizard. Windows will ask to search for drivers; select **No**, **not this time**.



## Then select Install from a list or specific location (Advanced).

Found New Hardware Wizard	
	his wizard helps you install software for: Unknown
	If your hardware came with an installation CD or floppy disk, insert it now.
V	What do you want the wizard to do? <ul> <li>Install the software automatically (Recommended)</li> <li>Install from a list or specific location (Advanced)</li> </ul> Slick Next to continue.
	< <u>B</u> ack <u>N</u> ext > Cancel

Next, select Don't search. I will choose the driver to install.

und New Hardw Please choose	are Wizard your search and installation options.
O Search for	r the best driver in these locations.
Use the cl paths and	neck boxes below to limit or expand the default search, which includes local removable media. The best driver found will be installed.
Sea	rch removable <u>m</u> edia (floppy, CD-ROM)
Incl	ude this location in the search:
C:\	Documents and Settings/Jeff/Desktop/nv
Ont sear choose th the driver	ch. I will choose the driver to install. is option to select the device driver from a list. Windows does not guarantee tha you choose will be the best match for your hardware.
	< <u>B</u> ack <u>N</u> ext > Cancel

If prompted to select the hardware type, choose **Sound, video and game controllers**.

Found New Hardware Wizard	_
Hardware Type.	
Select a hardware type, and then click Next. Common <u>h</u> ardware types:	
<ul> <li>Processors</li> <li>SBP2 IEEE 1394 Devices</li> <li>SCSI and RAID controllers</li> <li>Secure Digital host controllers</li> <li>Smart card readers</li> </ul>	
<ul> <li>Sound, video and game controllers</li> <li>Storage volume shadow copies</li> <li>Storage volumes</li> <li>Sustem devices</li> </ul>	
< <u>B</u> ack	lext > Cancel

The next screen will allow you to select the device driver to install. If you are updating drivers you will see some RME drivers listed here. Ignore these; they are the old drivers. Always use the **Have Disk** button to ensure that the correct driver is installed.

Found New Hardware Wizard Select the device driver y	ou want to install for this hardware.
Select the manufacturer have a disk that contain	and model of your hardware device an <mark>d t</mark> hen click Next. If you is the driver you want to install, click Have Disk.
Manufacturer	Model
CH Products Game Ports ESS Technology, Inc. ThrustMaster	Game port for CH Products Gamecard 3
This driver is digitally signed. <u>Tell me why driver signing is</u>	important
	< <u>B</u> ack <u>N</u> ext > Cancel

Click the **Browse** button and find the unzipped driver folder.

Found New Har Select the	dware Wizard device driver you want to install for this hardware.
Install Fr	om Disk
Ma CH ES Thr	Insert the manufacturer's installation disk, and then make sure that the correct drive is selected below.
	Copy manufacturer's files from:
<b>*</b>	A:\ Browse
	< <u>B</u> ack <u>N</u> ext > Cancel

Once you see the INF file for the device displayed in the Locate File window, click **Open**.

Found New Ha	rdware Wizard			
Locate File				? 🔀
Look in: ն	w2fire_273	<b>~</b> (	3 1	•
ireface.ir	nfj			
File name:	C. C C			Deep
Files of here:	Cature Informations (* all)			
Files of type:	Setup Information (".inf)			Cancel

The Locate File window will close, and you'll be back at the Install From Disk window. Now, however, the correct path to the driver will be displayed at the bottom. Click **OK** to continue.

Select the	rdware Wizard device driver you want to install for this hardware.
🕖 Install Fr	rom Disk
Ma CH ES Thr	Insert the manufacturer's installation disk, and then make sure that the correct drive is selected below.
	Copy manufacturer's files from:
	C:\Documents and Settings\Jeff\Desktop\w2fire_
	< <u>B</u> ack <u>N</u> ext > Cancel

The Install From Disk window will close, leaving you back at the Found New Hardware wizard. Now you will see only one driver listed in the Show Compatible Hardware display area. Click **Next** to install this driver.

Select the device driver you want to i	nstall for this hardware.
Select the manufacturer and model of have a disk that contains the driver yo	your hardware device and then click Next. If you u want to install, click Have Disk.
✓ Show compatible hardware	
RME Fireface 400	
This driver is not digitally signed! <u>Tell me why driver signing is important</u>	<u>H</u> ave Disk

Windows will warn you that the software is not digitally signed by Microsoft. Click **Continue Anyway**.



Wait a few seconds while the driver files are copied into their respective locations.



Then click **Finish** to close the wizard. **Restart** your computer when prompted to complete the driver installation procedure.



Upon restart, you may be asked whether you want the RME Mixer and Settings applications to be permitted to run at startup; Uncheck **Ask me every time**, then click **Allow**. At this point you should see the Mixer and Settings icons in your system tray.



Open the **FUT** folder you extracted earlier and run the executable file to launch the Flash Update Tool. Note that the Flash Update Tool will not run unless the proper driver is already installed.



If the tool shows that the firmware is already up to date, click **Cancel**. If it says "Not updated", click the button marked **Update**.

Fireface Flash Update To	ool, Rev 1.63	×
Fireface (1)		-
Hardware Revision:	1.46	
Programming Status:	Not updated	
	Update	
-	OK Cancel	

Wait for the tool to erase, reprogram, and check the new firmware. Then click **OK**.

ireface Flash Update To	ol, Rev 1.63	? 🛃
Fireface (1)		
Hardware Revision:	1.46	
Programming Status:	erasing	
		Ipdate
	ОК	Cancel

After a firmware flash update, it is required to **power off the computer** (not restart) in order to load the new firmware. However, if installing a Fireface, it is required to **power off the device** instead.

After restarting the computer (or device), you may be prompted to install the drivers once more. This is only the case when a very big change to the hardware has occurred due to the Flash Update Tool, such as changing from the HDSP MME driver to the newer HDSP WDM driver. Simply follow the instructions above once more to install the driver properly again. Check the **About** tab in the Settings application to verify that you have the latest driver and firmware loaded.



In order to set up your RME device for general multimedia stuff (iTunes, WMP, browser audio, etc.), you will need to go into the Control Panel and select **Sounds and Audio Devices**.



Go to the **Audio** tab and select whichever output pair you prefer for monitoring.

Volume	Sounds	Audio	Voice	Hardware
Sound pl	avback			
	Default device			
			(1) (1)	1
-	Realtek HD A	udio rear outp	but	~
	Realtek HD A	udio rear outp	out	
	Fireface 400 A	Analog (1+2)	MME	
_	Fireface 400 A	nalog (3+4) 1	MME	
Sound re	Fireface 400 A	vnalog (5+6)	MME	
0	Fireface 400 A	Analog (/+8) I	NWE	
A.	Fireface 400 S	DAT (1.2) M	ME	
18	Fireface 400 A	DAT (1+2) M	ME	
50. ST	Fireface 400 A	DAT (5+6) M	ME	
	Fireface 400 A	DAT (7+8) M	ME	
	Fireface 400 A	nalog (1+2)		N
MIDLmu	Fireface 400 A	nalog (3+4)		
Miching	Fireface 400 A	nalog (5+6)		
	Fireface 400 A	Analog (7+8)		
nen	Fireface 400 S	SPDIF		
<u> </u>	Fireface 400 A	ADAT (1+2)		
	Fireface 400 A	ADAT (3+4)		
	Fireface 400 A	ADAT (5+6)		
	Fireface 400 P	ADAT (7+8)		
Use on	lv default devid	es		
	,			

Next, set up the audio device in your DAW software. The dialog for Samplitude is shown below, but other software should be similar.

ystem Options - Audio Setup			_	_	_		
E- System Options		Driver System					
Audio System	ASIO	C MME	(	WDM (Multio	channel)		
- Audio Devices	ACID Colum						
MIDI		Abit Setup					
Metronom	ASIO Device: Nor	ne			-		
- Playback	Clock Source: Nor	ne			<b>_</b>		
- Evtended Buffer Settings	1010 D //			- · · · -	- 1		
Extended Barrer Settings	ASIO Burrer:			Lontrol Par	nei		
General							
Undo							
Object Lock Definitions			1	-			
🗄 Keyboard, Menu & Mouse	Bu	uffer settings		Device Res	solution/Driver Co	mmunication	
Keyboard / Menu	VIP object buffer:	- 4096	+	01	l6 Bit		
MIDI Editor				• 2	24 Bit		
- Special Keys	=> Uut Late	ncy 4 x 4096 (372	msj	() e	32 Bit		
Mouse							
			Monitoring	Setup	LC EVIL 3		
_ Design	Monitoring / Engi	ne Mode:		]	Mixer FX Monit Hubrid Eng	oring / ine	
View Options		а. С	2 2 2 <u>.</u>		riyond eng		
Colors	The complete mix	er is working in low	latency mode	e - including bus	s and master FX	and can be	
±. Effects	latency is also effe	ective for live input	. Usage of eci	onomy tracks w	vith higher latency	can	
Option Administration	improve the efficie	ency of the mixer a	gain.				
Project Options							
	Monitoring Beh	aviour:	Tape Mor	nitoring		]	
			🔲 Mix Inp	out and Playbac	:k		
				01/		2	
				<u>U</u> K	<u>L</u> ancel	Help	

Normally, you will want to use ASIO drivers for best performance here.

System Options - Audio Setup	_		_	_	_	<b>E</b>
⊡- System Options		Driver System				
Audio System Audio Devices	• ASIU	MME	ASIO Set	WDM (Multic	channelj	
MIUI     Metronom     Record     Playback     Performance     Extended Buffer Settings     General     General     Undo	ASID Device: None Clock Source: ASID Fireface ASID Buffer: Control Panel					
Object Lock Definitions     Keyboard, Menu & Mouse     Keyboard / Menu     MIDI Editor     Special Keys     Mouse     Mouse	UIP object buffer: => Out Later	Ifer settings . 4096 ncy 4 x 4096 (372	+ ms)	Device Res 1 2 3	olution/Driver Co 6 Bit 4 Bit 2 Bit	mmunication
Mousewheel     Design     Skins     View Options     Colors     Effects     Option Administration     Project Options	Monitoring Setup         Monitoring / Engine Mode:       Mixer FX Monitoring / Hybrid Engine         The complete mixer is working in low latency mode - including bus and master FX and can be used for processing live input. This may result in increased CPU load and the complete mixer latency is also effective for live input. Usage of economy tracks with higher latency can improve the efficiency of the mixer again.					
127 72.5	Monitoring Beha	aviour:	Tape Monitoring		]	
			Mix Input and Playback			
				<u>0</u> K	Cancel	<u>H</u> elp



Make sure you enable any channels you need for recording and playback.

At this point your RME device will be completely configured for normal use. If you have questions or problems beyond this guide please post in the proper forum or contact your local <u>RME support specialist</u>.