

Overview	Features	Download	Installation Information
			PeName :PeShellVersion :3.1.0.0Date :2019/01/28

1. OVERVIEW

PeShell is an easy way to add Shell interface with start menu to your Windows PE USB drive. You don't need to modify your existing Win PE **boot.wim** file (not additional DII, Sys, Reg, ... are needed) You only need "classic" WinPE Packages : **WinPE-WMI** and **WinPE-NetFX4 (.net 4.0)**



This 500 Kb utility will provide you Taskbar with the following features :

- Start Menu to add your own applications
- Quick Launch Area to add your favorite utilities
- Keyboard layout selections
- System Information
- Settings
- Date & Time
- Close / Pin / Unpin / Resize features.
- Detect model & Add Drivers.

Some Tools

2. FEATURES

2.1.TASKBAR

en-US Image: Section of the section of the desktop, the Taskbar can be resized to match your screen resolution. 15:59 Pin / Unpin When Pinned to the desktop, the Taskbar can be resized to match your screen resolution. Resize	The	Taskb	ar can	be autoi	naticall	y hidden	using th	he Pin/l	Jnpin bւ	ıtton				_	
When Pinned to the desktop, the Taskbar can be resized to match your screen resolution.			C:\			en-US		\bigcirc	~~~	15:59	×	Pi	n / Unj	pin	
When Pinned to the desktop, the Taskbar can be resized to match your screen resolution.							INF	Û	χΩς	28/01/2019		R	esize		
	Wh	en Pini	ned to	the desk	top, the	e Taskbar	· can be	resized	to mate	ch your screer	n reso	lutic	on.		
		C:\	a t								en-US		i	16:00 28/01/2019	× \$

In the first Tab of **Settings** you can set the default size and icons displayed in **Taskbar**.

S	Settings		×	
	Main	Display		Set display settings and the default size
	Start Menu	Auto-Hide	100 % : Wide (50 - 100) 6 % : Height (3 - 10)	Information icons,
	Quick Launch	TaskBar		
	Keyboard Layout	Keyboard	Information	
	Drivers	USB	Auto Start Information	
	Network			
	About		Cancel OK	

2.2.SETTINGS - START MENU

In "Start Menu", click the path area and select your Start Menu folder in your USB Disk/Key

Main	Start Menu
Start Menu	Start Menu Path
Quick Launch	
Keyboard Lavout	Help :
Reyboard Layout	Click the Path area to select the root of
Drivers	Click the Path area to select the root of your applications directory.
Drivers	Click the Path area to select the root of your applications directory.

Select	Select a Folder									
~	Start_x64									
>	> 📙 Disk_Tools									
>	> 📙 Editor									
>	Explorer									
>	E Test Scripts									
>	Tools ~									
🖌 Displa	ay Hidden and System items									
Folder Name : D:\PROJECT\Start_x64										
	Cancel OK									

Start Menu and PeShell.exe need to be in the same drive. (relative path)

Some Tools

~	Start_x64	
>	Disk_Tools	
>	📕 Editor	
>	📕 Explorer	
>	📕 Test Scripts	
>	📕 Tools	

Non	n
IL	explorer++
IL	MultiCommander - 5.9
IL	Q-Dir

Folders in your selected directory will become the group name of your applications in Start Menu.

For each **folder**, **subfolders** are scanned for EXEcutable, CSV and HTA Files.

Icons automatically created

Files must be in a subfolder

You can **refresh** the content of Start Menu, **Restart** or **Shut-Down** the computer.



2.3.SETTINGS – QUICK LAUNCH



2.4.SETTINGS - KEYBOARD LAYOUT

Add, modify or remove keyboard definition in the list.

To remove, empty the two fields.

To Modify or Add, get the correct syntax here : <u>https://technet.microsoft.com/en-</u> us/library/hh825682.aspx

Main	Key	board La	youts	
Start Menu	0	en-US	0809:0000809	
Quick Launch	0	en-GB	0409:00000409	
	۲	fr-FR	040c:0000040c	Help :
eyboard Layout	0	de-DE	0407:00000407	keyboard layout and modify
Drivers	0	es-ES	040a:0000040a	this default list. (Add/Remove)
Network				(Search for hh825682)

Only applications launched **after changes**, will use the new keyboard layout. Thus, **PeShell** will use your WinPE **default** keyboard layout.



2.5.SETTINGS – DRIVERS

NEW IN VERSION 3.1.0.0

The **Drivers Tab** provide the possibility to **detect** your hardware, **select** the matching folder and automatically **install** INF drivers (all found inf in all subfolders).

It is a dynamic way to load Ethernet, Disk controller, Touch Screen drivers, ... Then, it is not necessary to expand **Boot.wim** file, add driver and save **Boot.wim** every time you need to add/test a new driver.

You can modify the WMI query to match	Settings	×
your computer model. [Local Search Test] button can be used to test the query. Select your Drivers Root Folder : Select a Folder	Main Start Menu Quick Launch Keyboard Layout Drivers	Add Drivers Find and Add drivers Drivers Path : \Drivers WMI search 4 caracters from model in Win32_ComputerSystem Class. This computer value is : 20K3 509400 Local Search Test.
Drivers	Network	Folder (All) (Always load drivers present in folder (All)
20J8 20J9 20JQ 20JR ThinkPad L570 20K3 20K4 ThinkPad X1 Carbon 5th 20KM 20KL 20KC 20KD ThinkPad A475 A275	About	Cancel OK
20MD ThinkPad P1 ~ ~ ✓ Display Hidden and System items Folder Name : D:\Drivers Cancel OK	Your INF drive query result. (er folder name must contain your WMI (Here : <mark>20K3</mark>)

Click the **[Start]** button to detect model, find folder and load drivers

Status	Class	Driver / HWid / Device
Loading	Net	D:\Drivers\10UQ M710e\Ethernet\intel\e1c65x64.inf
Loading	Loa Net	ded : DrvLoad: Successfully loaded D:\Drivers\10UQ M710e\Ethernet\intel\e1c65x64.inf. D:\Drivers\10UQ M710e\Ethernet\intel\e1d65x64.inf
Loading	Loa Net	ded : DrvLoad: Successfully loaded D:\Drivers\10UQ M710e\Ethernet\intel\e1d65x64.inf D:\Drivers\10UQ M710e\Ethernet\intel\e1r65x64.inf
Loading	Loa Net	ded : DrvLoad: Successfully loaded D:\Drivers\10UQ M710e\Ethernet\intel\e1r65x64.inf. D:\Drivers\10UQ M710e\Ethernet\Realtek\rt640x64.inf
Loading	Loa Multifun	ded : DrvLoad: Successfully loaded D:\Drivers\10UQ M710e\Ethernet\Realtek\rt640x64.inf. ction D:\Drivers\10UQ M710e\Ethernet\Realtek\Rtlhvdev.inf
	Loa	ded : DrvLoad: Successfully loaded D:\Drivers\10UQ M710e\Ethernet\Realtek\Rtlhvdev.inf.
		5 INF Files Loaded.

A complete text log is also created and save in your **PeShell.exe** folder :

2019 25 02 17-54-53.log - Bloc-not	es				- 0	×
Eichier Edition Format Affichage	Aide					
2019 25 Feb 17-54-53 2019 25 Feb 17-54-55 2019 25 Feb 17-54-55 2019 25 Feb 17-54-55 2019 25 Feb 17-54-55 2019 25 Feb 17-54-55	Folder WMI WMI Folder Net	Driver Path "D:\Drivers" "Win32_ComputerSystem" cl: "model" item exist in "Win String "10U0" found in "D D:\Drivers\10U0 M710e\Fth	exist. ass exist. n32_ComputerSystem" (:\Drivers\10UQ M710e ernet\inte\\e1c65x64	Class. " folder name. inf		^
2019 25 Feb 17-54-56	 Drvload 	 DrvLoad: Successfully 1 	paded D:\Drivers\100	Q M710e\Ethernet\inte	l\e1c65x64.inf.	
2019 25 Feb 17-54-57 2019 25 Feb 17-54-58	Net ► Drvload	D:\Drivers\10UQ M710e\Eth ► DrvLoad: Successfully 1	ernet\intel\e1d65x64 baded D:\Drivers\10U	.inf Q M710e\Ethernet\inte	l\e1d65x64.inf.	
2019 25 Feb 17-54-58 2019 25 Feb 17-54-59	Net ► Drvload	D:\Drivers\10UQ M710e\Eth ► DrvLoad: Successfully 1	ernet\intel\e1r65x64 baded D:\Drivers\10U	.inf Q M710e\Ethernet\inte	l\e1r65x64.inf.	
2019 25 Feb 17-55-00 2019 25 Feb 17-55-05	Net ► Drvload	D:\Drivers\10UQ M710e\Eth ► DrvLoad: Successfully 1	ernet\Realtek\rt640x0 oaded D:\Drivers\1000	64.inf Q M710e\Ethernet\Real	tek\rt640x64.in	f.
2019 25 Feb 17-55-05 2019 25 Feb 17-55-05	Multifuncti ► Drvload	.oD:\Drivers\10UQ M710e\Eth ► DrvLoad: Successfully 10	ernet\Realtek\Rtlhvd paded D:\Drivers\1000	ev.inf Q M710e\Ethernet\Real	tek\Rtlhvdev.in	f. 🗸
			Windows (CRLE)	In 4. Col 50	100%	

A full SSCM Pack Driver can be used to find and select correct driver for LAN, WLAN, Card Reader or TouchScreen.

2.6.SETTINGS – INFORMATION

Information (icon display Bios, Hardware and some Software information's :

 Add in Version 3.1.0.0 : Fully resizable. Chassis Type. Boot mode (Under WinPE display UEFI or Legacy) Now, compatible with AMD. Display empty drives. Sort HDD SSD List.
 Boot mode (Under WinPE display UEFI or Legacy Now, compatible with AMD. Display empty drives. Sort HDD SSD List.
 Now, compatible with AMD. Display empty drives. Sort HDD SSD List.

Some Tools

3. DOWNLOAD

Last version of PeShell.exe (x64) is available for Download :

Some Tools <u>https://sometools.eu/winpe-tool-peshell</u>

4. INSTALLATION

The WinPE drive letter assignments may change when booting with your USB device, depending on the detected hardware. Thus, it can be difficult to automate the launch of **PeShell** from your USB Key.

Launcher.exe is a small tool designed to :

- Detect Drive letter. (Drive letter from your WinPE USB Key/External USB HDD)
- Search **PeShell**, in all <u>1st sub folder</u> level of your USB Key.
- Display a black square in the top-left corner of your screen.
- Launch PeShell.

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Launcher.exe can be used to launch a specific application or Script. *Launcher.exe* without arguments will search for *PeShell.exe*

Last version of Launcher.exe (x64) is available for Download :

Some Tools <u>https://sometools.eu/winpe-tool-launcher</u>

If you are using **Launcher** utility, you only need to copy **PeShell.exe** in a directory of your WinPE USB Key. A good idea is to use your "**Start Menu Folder**" (Start_x64 in previous Screenshot).

5. INFORMATION

5.1.VERSION HISTORY

Version	Date	Comment
1.x to 2.x	2010 - 2016	Fullscreen & Windowed HTA Version
3.0.0.0	2016	C# Version
3.1.0.0	2019/01/28	Add Documentation
		Add Loading Drivers Feature
		Improve Hardware-Software Information Utility
		 Add feature : Resizable, boot mode, ChassisType, sort HDD
		 Correct Bug : AMD Processors info, Empty drives,

5.2.CONTACT

Feel free to contact me for Help, Support, ideas for improvement or additional development.

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