1/8

Fix Me! Diese Seite wurde noch nicht vollständig übersetzt. Bitte helfen Sie bei der Übersetzung.

(diesen Absatz entfernen, wenn die Übersetzung abgeschlossen wurde)

Native PC

Vorbereitungen durchgeführt?

Lese Dir zuerst die → Anleitung zur Vorbereitung durch!

UEFI or BIOS?

2

First, you have to find out whether your PC contains UEFI (Unified Extensible Firmware Interface) or BIOS (Basic Input/Output System):

In case of an UEFI based PC see the "UEFI Installer image" tab. In case of a BIOS based PC see the "BIOS Installer image" tab or "BIOS direct write image" tab. "BIOS Installer image" or "BIOS direct write image"?

"BIOS Installer image" or "BIOS direct write image"?

The "BIOS installer image" is used to boot from and install the DietPi system on a different target boot drive (storage medium). In contrary to that the "BIOS direct write image" is used to be write the image directly to the target DietPi boot drive.

UEFI Installer Image / BIOS installer image

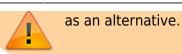
Download Rufus and run the application. There is a portable version of Rufus available which doesn't require any local installation.



Be careful if you run alternative applications!

While Balena Etcher is recommended for installing DietPi on SBCs, it does not provide good results for UEFI images. The same also with win32diskimager, which does not work

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Write image to USB drive

Start Rufus application and make sure you have your USB drive inserted into your computer. Follow the next steps:

- 1. Select the USB device
- 2. Select the downloaded **DietPi** image
- 3. Select GPT as partition scheme
- 4. Select **UEFI** as target system
- 5. Click on Start button

Ensure that the selected USB medium is the correct one.

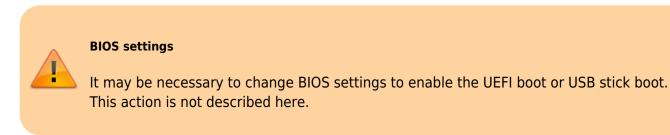
All data on the USB medium and later on the target PCs harddisk will be erased!

Before starting the installation first make a backup of the data available on the target PC and USB drive if you need it later again!

🖋 Rufus 3.13.1730 (Portable)				\times
Drive Droparties				
Drive Properties ———				
Device				1
DIETPI_INSTALLER (E:) [8 GB]				~
Boot selection			6	2
DietPi_NativePC-UEFI-x86_64-Buster_Insta	ller.iso 🗸 🗸	\odot	SELECT	
Persistent partition size				
1		0 (No p	ersistence)	
Partition scheme	Target syste	m		
GPT 🗸	UEFI (non CSM)		~ ?	
 Show advanced drive properties 				
 Show advanced drive properties 				
Format Options ———				
Volume label				
DietPi_NativePC-UEFI-x86_64-Buster				
File system	Cluster size			
FAT32 (Default)	4096 bytes	4096 bytes (Default) 🗸 🗸		\sim
 Show advanced format options 				
Status —				
REAL	v			
REAL				
		5	C1 0 0	
⑧ ① 幸 Ⅲ	START		CLOSE	:
Using image: DietPi_NativePC-UEFI-x86_64-B	uster_Installer.	ISO	0	0:03:03

Boot the target PC and install the image on the local disk

Boot the **target PC** from the USB image and install the image on the local disk / harddisk. Put the USB stick into the target PC and boot from this USB stick.



During the initial boot, the following dialog may appear to boot from the USB stick:

Last update: 2024/01/01 installation_von_loxberry:die_installation_von_loxberry:native-pc https://wiki.loxberry.de/installation_von_loxberry/die_installation_von_loxberry/native-pc 18:54



After booting the graphics selection dialog appears:



You can select the default settings. In case of problems, please select "Safe graphic settings".

Once this step is completed, you will able to select a different keyboard. If necessary, change your keyboard settings and go through the appropriate dialogues.

Then the installation process begins with the help of the wonderful Clonezilla tool.

Select the image file to be installed on the target PCs harddisk. Normally you should only see one single option:

Clonezilla – Opensource Clone S Choose the image file to restore:	ystem (OCS) Mode: restoredisk
DietPi_NativePC-UEFI-x86_64-Bus	ter2020-0601-1838_loop0_1178MB
<0k>	<cancel></cancel>

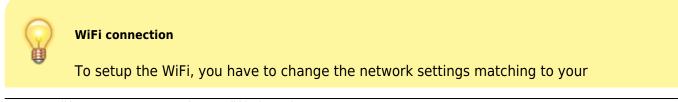
After this, you have to select the target PCs harddisk where your DietPi shall be installed. In this example there is only one harddisk present:

Clonezilla - Opensource Clone System (OCS) Mode: restoredisk Choose the target disk(s) to be overwritten (ALL DATA ON THE ENTIRE DISK WILL BE LOST AND REPLACED!!) The disk name is the device name in GNU/Linux. The first disk in the system is "hda" or "sda", the 2nd disk is "hdb" or "sdb" Press space key to mark your selection. An asterisk (*) will be shown when the selection is done				
sda_8590MB_VB0X_HARDDISKVB0X_HARDDISK_VB83654da6-23e3f789				
<ok> <cancel></cancel></ok>				

After this, the installation process starts with several steps, e.g. showing the process of the image copying:

Partclone	
Partclone v0.3.13 http://partclone.org	
Starting to check image (-)	
Calculating bitmap Please wait	
done !	
File system: EXTFS	
Device size: 1.1 GB = 262144 Blocks	
Space in use: 794.7 MB = 194027 Blocks	
Free Space: 279.0 MB = 68117 Blocks	
Block size: 4096 Byte	
Elapsed: 00:00:02 Remaining: 00:00:13 Rate: 3.	18CB/min
Current Block: 25856 Total Block: 262144	1000/1010
CUITERIC BIUCK: 20000 TUTAI BIUCK: 202144	
Data Diash Daaraa	
Data Block Process:	
	13.33%
Total Block Process:	
	9.86%

These steps take some time, be patient! Otherwise buy an SSD. ::-)At the end the system executes a shutdown.



environment:

- 1. Open the file dietpi-wifi.txt and set aWIFI_SSID[0] to the name of your WiFi network.
- In the same file dietpi-wifi.txt, set aWIFI_KEY[0] to the password of your WiFi network.
- 3. Save and close the files

You need to set these values before you boot up the PC for the first time (initial boot).

For the first boot up of your PC disconnect your USB stick from the target PC and power on the PC to login and execute the first boot procedure.

Bios direct write Image

Download Rufus and run the application. There is a portable version of Rufus available which doesn't require any local installation.

Be careful if you run alternative applications!

While Balena Etcher is recommended for installing DietPi on SBCs, it does not provide good results for UEFI images. The same also with win32diskimager, which does not work as an alternative.

Write image to disc drive

Start Rufus application and make sure you have your disc drive connected into your computer. This may e.g. be done using an USB to SATA controller if you use a SATA disc drive. Follow the next steps:

- 1. Show advanced drive properties and select **List USB hard drives** (in case that you have connected your disc drive via a USB adapter)
- 2. Select the disc drive device
- 3. Select the downloaded **DietPi** image
- 4. Click on Start button

Ensure that the selected disc drive is the correct one.

All data on the disc drive will be erased!

Before starting the installation first make a backup of the data available on the disc drive if you need it later again!

🖋 Rufus 3.13.1730 (Portable)	—		\times
Drive Properties ———			
NO_LABEL (Disk 6) [512 GB]		2	
Boot selection			
DietPi_NativePC-BIOS-x86_64-Buster.img	~ 🔗 [SELEC	3
Partition scheme	Target system	50000	
MBR ~	BIOS (or UEFI-CSM)		~ ?
	5105 (61 0211 0510)		
∧ Hide advanced drive properties ✓ List USB Hard Drives			
	P		
Add fixes for old BIOSes (extra partition, a	-		_
Use Rufus MBR with BIOS ID	0x80 (Default) \vee		
Format Options ———			
Volume label			
512 GB			
File system	Cluster size		
Large FAT32 (Default) \sim	32 kilobytes (Default)		\sim
 Show advanced format options 			
Status			
READ	Y		
🔇 🛈 🏯 🗐	START	CLOS	E
1 device found		(00:03:29

Boot the target PC

WiFi connection

To setup the WiFi, you have to change the network settings matching to your environment:

- Open the file dietpi-wifi.txt and set aWIFI_SSID[0] to the name of your WiFi network.
- In the same file dietpi-wifi.txt, set aWIFI_KEY[0] to the password of your WiFi network.
- 3. Save and close the files

You need to set these values before you boot up the PC for the first time (initial boot).

For the first boot up of your PC disconnect your disc drive from your working PC and connect it to the

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target PC. Then power on the target PC to login and execute the first boot procedure.

Weiter mit der LoxBerry Installation

 \rightarrow Nun geht es hier weiter mit der DietPi Erstkonfiguration

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