Ziel

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DietPi laden

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Raspberry Pi

CPU: BCM2835 ARMv6 RPi1 - BCM2711 ARMv8 RPi4
RAM: 256 MiB RPi1 - 8 GiB RPi4

ARMv6 32-bit image:
Uses the Raspbian package repository and works on **ALL** Raspberry Pi models.
Use this image if unsure!

ARMv7 32-bit image:
Uses the Debian package repository and does **NOT** work on Raspberry Pi 1 and
Zero (1) models.

ARMv8 64-bit image:
Uses the Debian package repository and does **NOT** work on Raspberry Pi 1,
Zero (1) and Raspberry Pi 2 v1.1 models.

Amiberry ARMv6
image:
This image installs and boots into Amiberry automatically on first boot.

Amiberry ARMv7
image:

Allo GUI ARMv7 image:
This image has our Allo web GUI and audiophile software pre-installed.

How to install / Details:

SD - Karte schreiben

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Vorkonfigurieren der Imagedatei: Hostname, WLAN usw.

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```
13    ##### Language/Regional Options #####
14    # Locale: eg: "en_GB.UTF-8" / "de_DE.UTF-8" | One entry and UTF-8 ONLY!
15    AUTO_SETUP_LOCALE=C.UTF-8
16
17    # Keyboard Layout eg: "gb" / "us" / "de" / "fr"
18    AUTO_SETUP_KEYBOARD_LAYOUT=de
19
20    # Timezone eg: "Europe/London" / "America/New_York" | Full list (TZ*): htt
21    AUTO_SETUP_TIMEZONE=Europe/Berlin
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```
adapter: 1=enable | 0=disable              # Enable Ethernet or WiFi
WiFi are enabled, WiFi will take priority and Eth      # - If both Ethernet and W
edit dietpi-wifi.txt to pre-enter credentials.         # - If using WiFi, please
NABLED=0                                     AUTO_SETUP_NET_ETHERNET_EN
ED=1                                         AUTO_SETUP_NET_WIFI_ENABLE

OP_NET_ETH_FORCE_SPEED=0                                              AUTO_SET

ountry code: 2 uppercase character value (e.g. GB US DE JP): https    # WiFi c
AUTO_SETUP_NET_WIFI_COUNTRY_CODE=DE
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Hostname

AUTO_SETUP_NET_HOSTNAME=TwinPi

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# Entry 0
# - WiFi SSID: required, case sensitive
aWIFI_SSID[0]='F
# - WiFi key: If no key/open, leave this blank
aWIFI_KEY[0]='2

aWIFI_KEYMGR[0]='WPA-PSK'
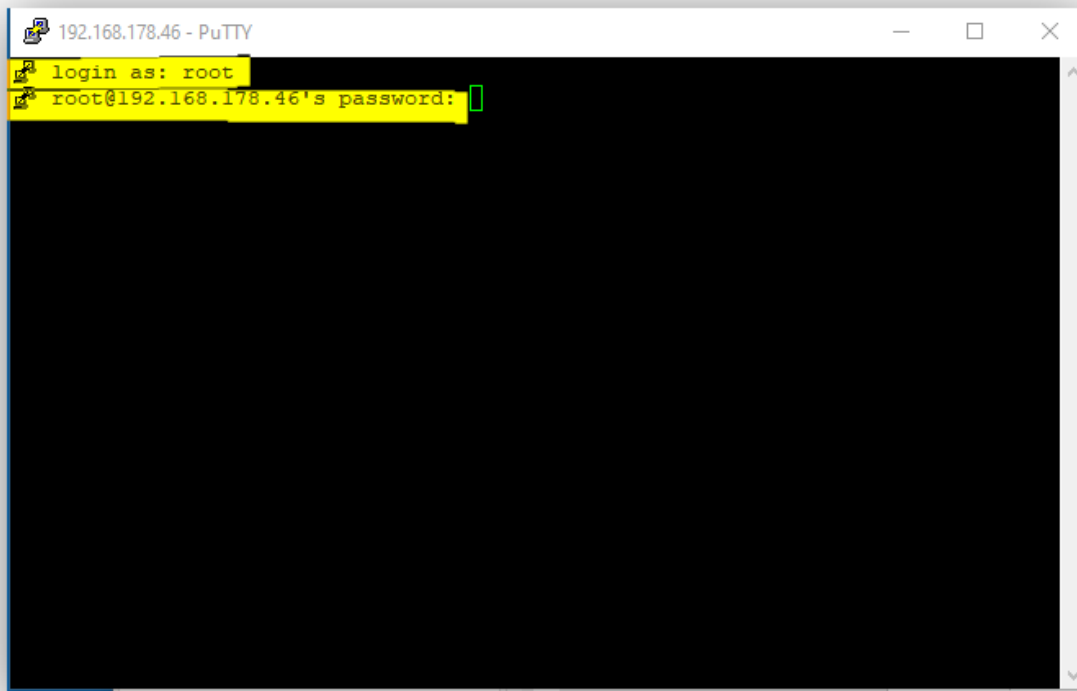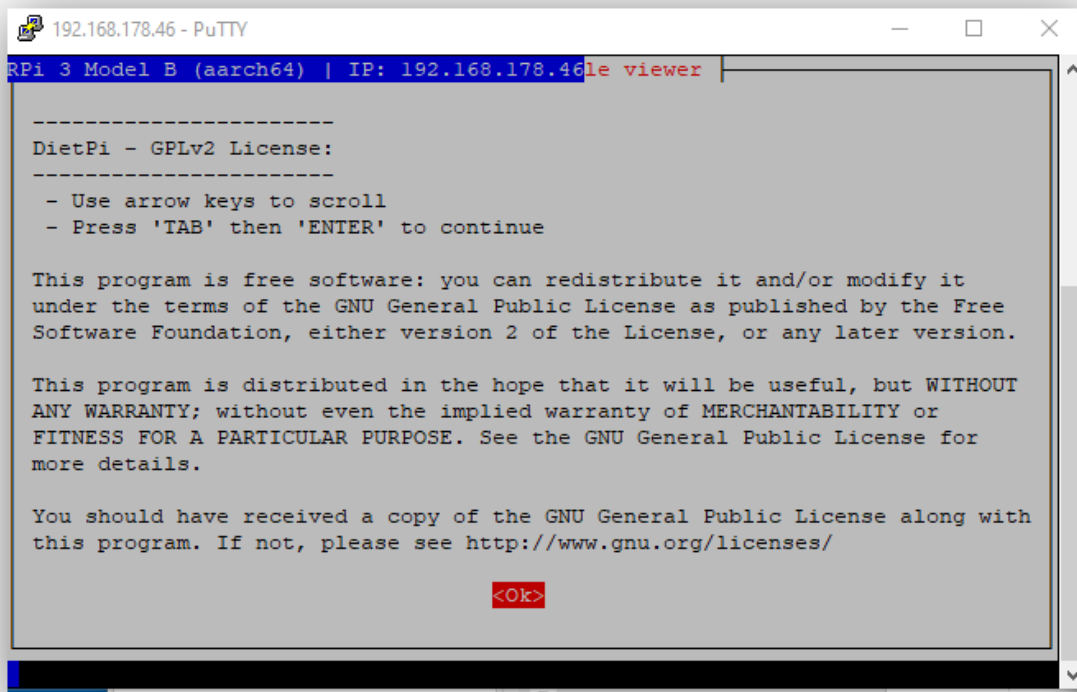# - WPA-EAP options: Only fill if WPA-EAP is set above

erster Start von „dietpi"

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Verschiedene Einstellungen vornehmen

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192.168.178.46 - PuTTY

DietPi v8.0.2 : 13:14 - Thu 02/03/22

 - Device model : RPi 3 Model B (aarch64)
 - CPU temp : 47 °C / 116 °F : Optimal temperature
 - LAN IP : 192.168.178.46 (wlan0)
 - MOTD : Please help testing the new DietPi Beta v8.1:
          https://github.com/MichaIng/DietPi/issues/5218

DietPi Team   : MichaIng (lead), Daniel Knight (founder), Joulinar (support)
Image by   : DietPi Core Team (pre-image: from scratch)
Web   : https://dietpi.com | https://twitter.com/DietPi_
Patreon Legends   : Camry2731
Contribute   : https://dietpi.com/contribute.html
DietPi Hosting   : Powered by https://myvirtualserver.com

dietpi-launcher : All the DietPi programs in one place
dietpi-config   : Feature rich configuration tool for your device
dietpi-software : Select optimised software for installation
htop   : Resource monitor
cpu   : Shows CPU information and stats
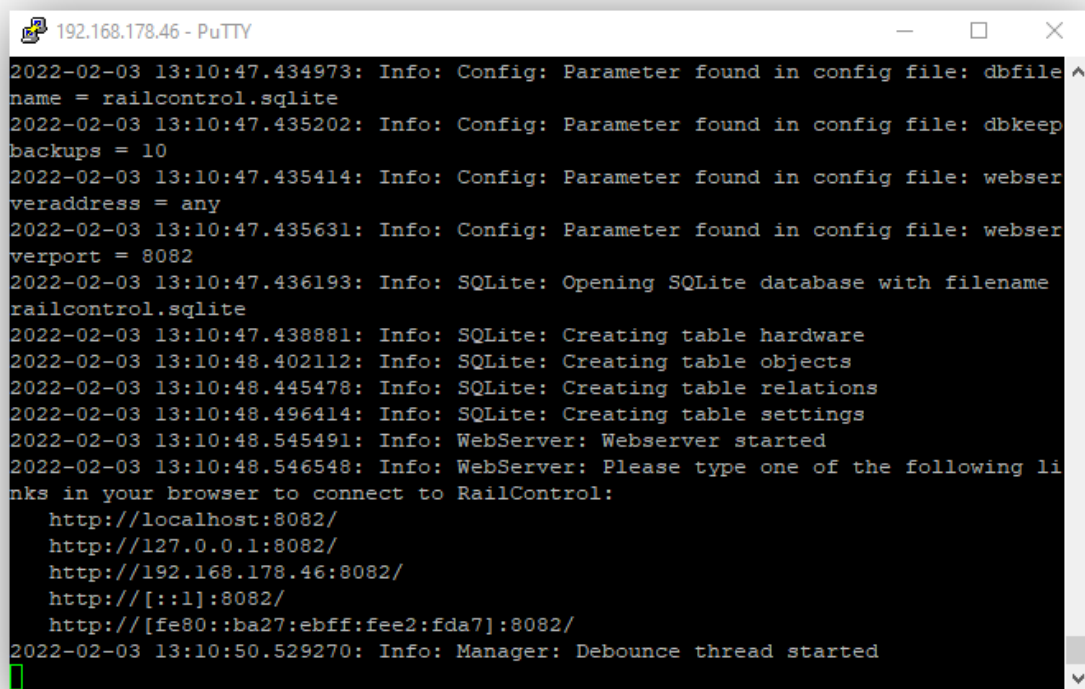
dietpi@TwinPi:~$

RailControl vorbereiten, laden und übersetzen.

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RailControl starten

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erste Ansicht - RailControl

Einstellungen vornehmen

allgemeine Einstellungen

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Schnittstelle einstellen

mit den Rückmeldern vom TwinCenter ist deshalb nicht zu empfehlen.

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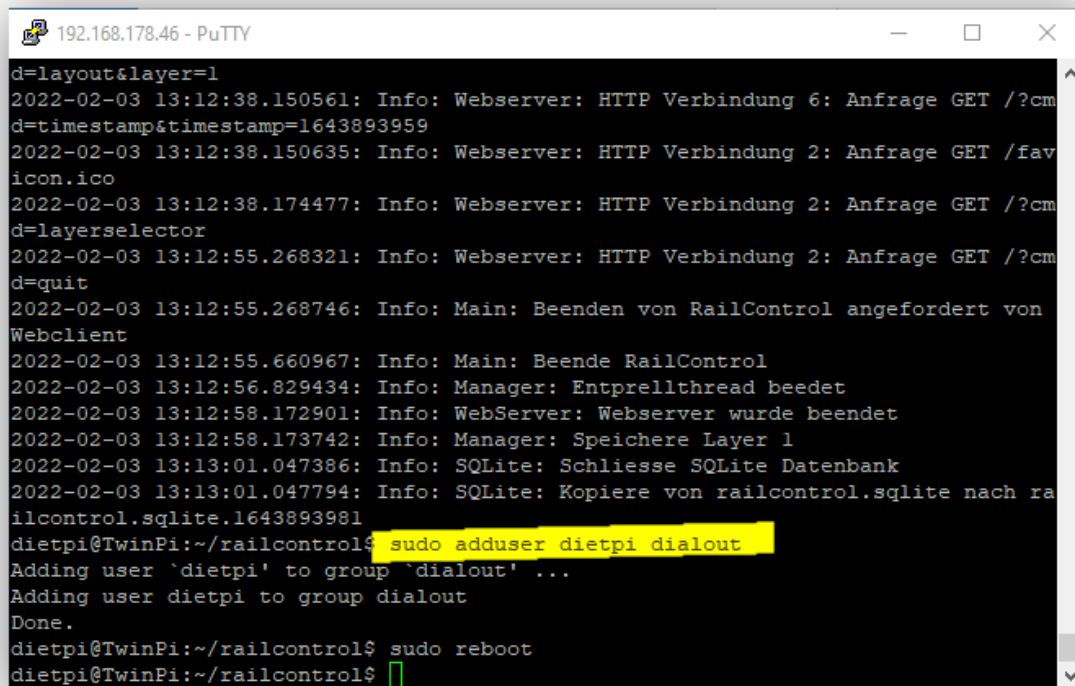
serielle Schnittstelle ohne root benutzen

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Datensicherung

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Zusätzliche Software installieren

SFTP (z.B. für „WinSCP")

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```
                    ┤ DietPi-Software ├
Please use the spacebar to select the software you wish to install. Then
press ENTER/RETURN to confirm.
 - Pressing ESC will clear all changed selections.
 - Software and usage details: https://dietpi.com/docs/software/

    [ ] 0     OpenSSH Client: Feature-rich SSH, SFTP and SCP client
    [ ] 95    vsftpd: Very secure FTP server
    [*] 105   OpenSSH Server: Feature-rich SSH server with SFTP and SCP support

              <Ok>                      <Back>
```

```
192.168.178.46 - PuTTY                                    —    □    ×
RPi 3 Model B (aarch64) | IP: 192.168.178.46
                    ┤ DietPi-Software ├
    Help!              : Links to online guides, docs and information
    DietPi-Config      : Feature-rich configuration tool for your device
                     ●─ Select Software ─────────────────────────────●
    Search Software    : Find software to install via search box
    Browse Software    : Select software from the full list
    SSH Server         : [Dropbear]
    Log System         : [DietPi-RAMlog #1]
    Webserver Preference : [Lighttpd]
    Desktop Preference  : [LXDE]
    Browser Preference  : [None]
    User Data Location  : [SD/eMMC | /mnt/dietpi_userdata]
                     ●─ Install or Remove Software ─────────────────●
    Uninstall          : Select installed software for removal
    Install            : Go >> Start installation for selected software

              <Ok>                      <Exit>
```

Lokal   Markieren   Dateien   Befehle   Sitzung   Einstellungen   Entfernt   Hilfe

Synchronisieren   Liste   Übertragungsoptionen   Standard

RailControl   Neue Sitzung

D: Daten

Hochladen   Bearbeiten   Eigenschaften   Neu

D:\Daten\Documents___Projekte__\RailControl__Daten Sicherung___Daten_\TwinCenter\

Name	Größe	Typ	Geändert
..		Übergeordnetes V...	11.11.2021 11:04:17
Cygwin		Dateiordner	30.09.2021 14:21:17
railcontrol.sqlite	72 KB	SQLITE-Datei	11.11.2021 11:00:50

Herunterladen   Bearbeiten   Eigenschaften   Neu

Dateien suchen

/home/dietpi/railcontrol/

Name	Größe	Geändert	Rechte	Besitzer
..		29.01.2022 18:33:55	rwxr-xr-x	dietpi
DataModel		29.01.2022 19:04:15	rwxr-xr-x	dietpi
Hardware		29.01.2022 19:08:08	rwxr-xr-x	dietpi
html		29.01.2022 18:33:15	rwxr-xr-x	dietpi
Logger		29.01.2022 19:10:56	rwxr-xr-x	dietpi
Network		29.01.2022 19:11:27	rwxr-xr-x	dietpi
Storage		29.01.2022 19:12:23	rwxr-xr-x	dietpi
test		29.01.2022 18:33:15	rwxr-xr-x	dietpi
tools		29.01.2022 18:33:15	rwxr-xr-x	dietpi
Utils		29.01.2022 19:12:34	rwxr-xr-x	dietpi
WebServer		29.01.2022 19:01:15	rwxr-xr-x	dietpi
amalgamation.bash	1 KB	29.01.2022 18:33:15	rw-r--r--	dietpi
ArgumentHandler.cpp	2 KB	29.01.2022 18:33:14	rw-r--r--	dietpi
ArgumentHandler.h	2 KB	29.01.2022 18:33:14	rw-r--r--	dietpi
ArgumentHandler.o	686 KB	29.01.2022 18:44:38	rw-r--r--	dietpi
CMakeLists.txt	8 KB	29.01.2022 18:33:14	rw-r--r--	dietpi
Config.cpp	3 KB	29.01.2022 18:33:14	rw-r--r--	dietpi
Config.h	2 KB	29.01.2022 18:33:14	rw-r--r--	dietpi
Config.o	1.362 KB	29.01.2022 18:44:49	rw-r--r--	dietpi
ControlInterface.h	11 KB	29.01.2022 18:33:14	rw-r--r--	dietpi
DataTypes.h	8 KB	29.01.2022 18:33:14	rw-r--r--	dietpi
Fallthrough.h	1 KB	29.01.2022 18:33:14	rw-r--r--	dietpi
Languages.cpp	89 KB	29.01.2022 18:33:14	rw-r--r--	dietpi

72,0 KB von 72,0 KB in 1 von 2   0 B von 122 MB in 0 von 44   4 versteckt

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Layer 1

Bitte eine Lokomotive wählen

Lokschuppen

Güterschuppen   altes Haus   Bahnhof Buschheide

F20 von VT 98 ist aus
F21 von VT 98 ist aus
F22 von VT 98 ist aus
F23 von VT 98 ist aus
Weiche W106 ist geradeaus
Weiche W106 ist ablenkend