

# Kurzanleitung für Images zum DV4mini-Stick



1. Download des Images für den jeweiligen MINI-Rechner von der Homepage

<http://dv4m.ham-dmr.ch>

2. Datei entpacken und mit Win32diskimager auf SD-Karte schreiben.

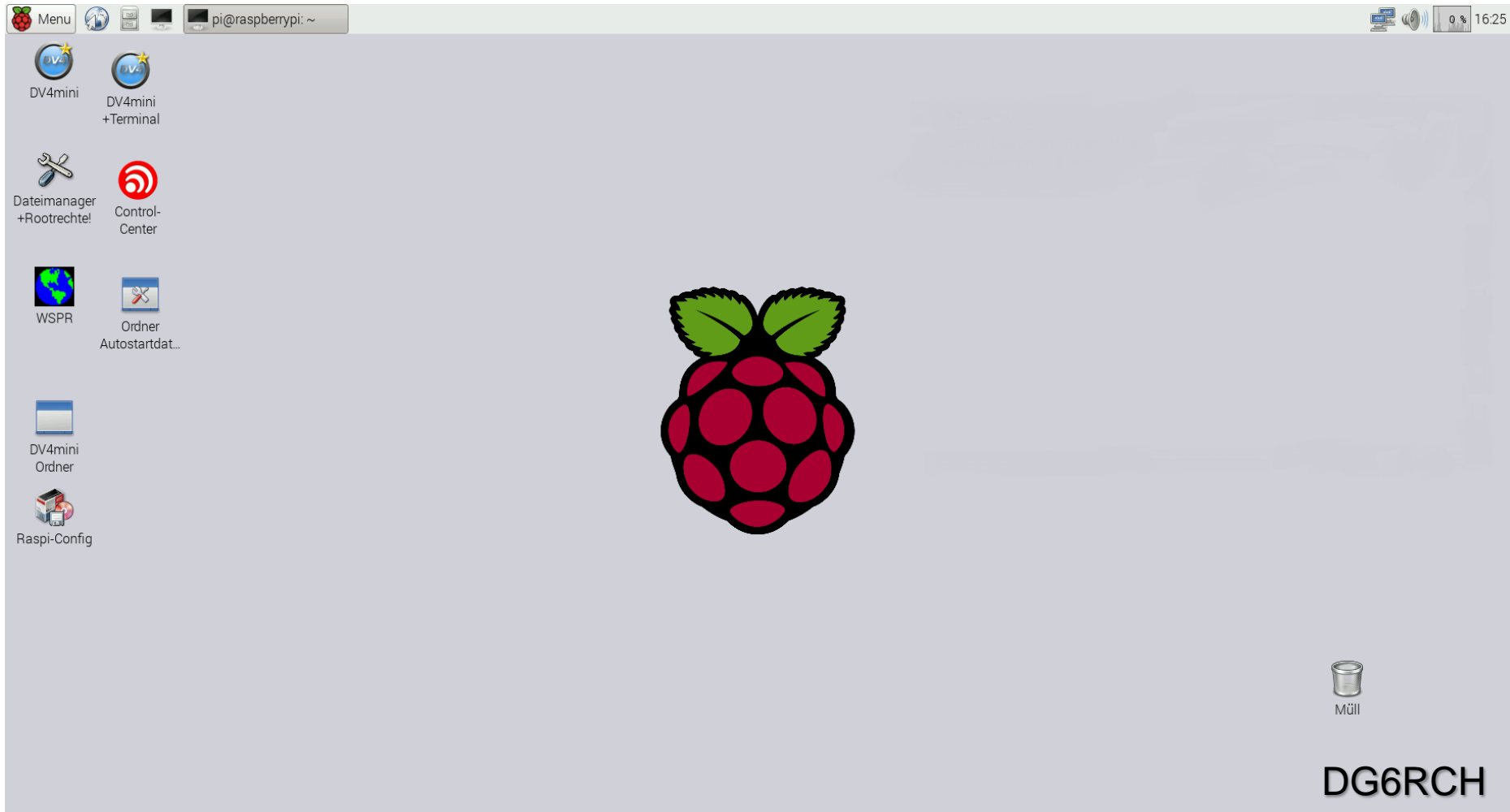
Program steht zum Download auf folgender Seite!

<http://sourceforge.net/projects/win32diskimager/>

3. SD-Karte in den MINI-Rechner einstecken und Mini-Rechner starten!

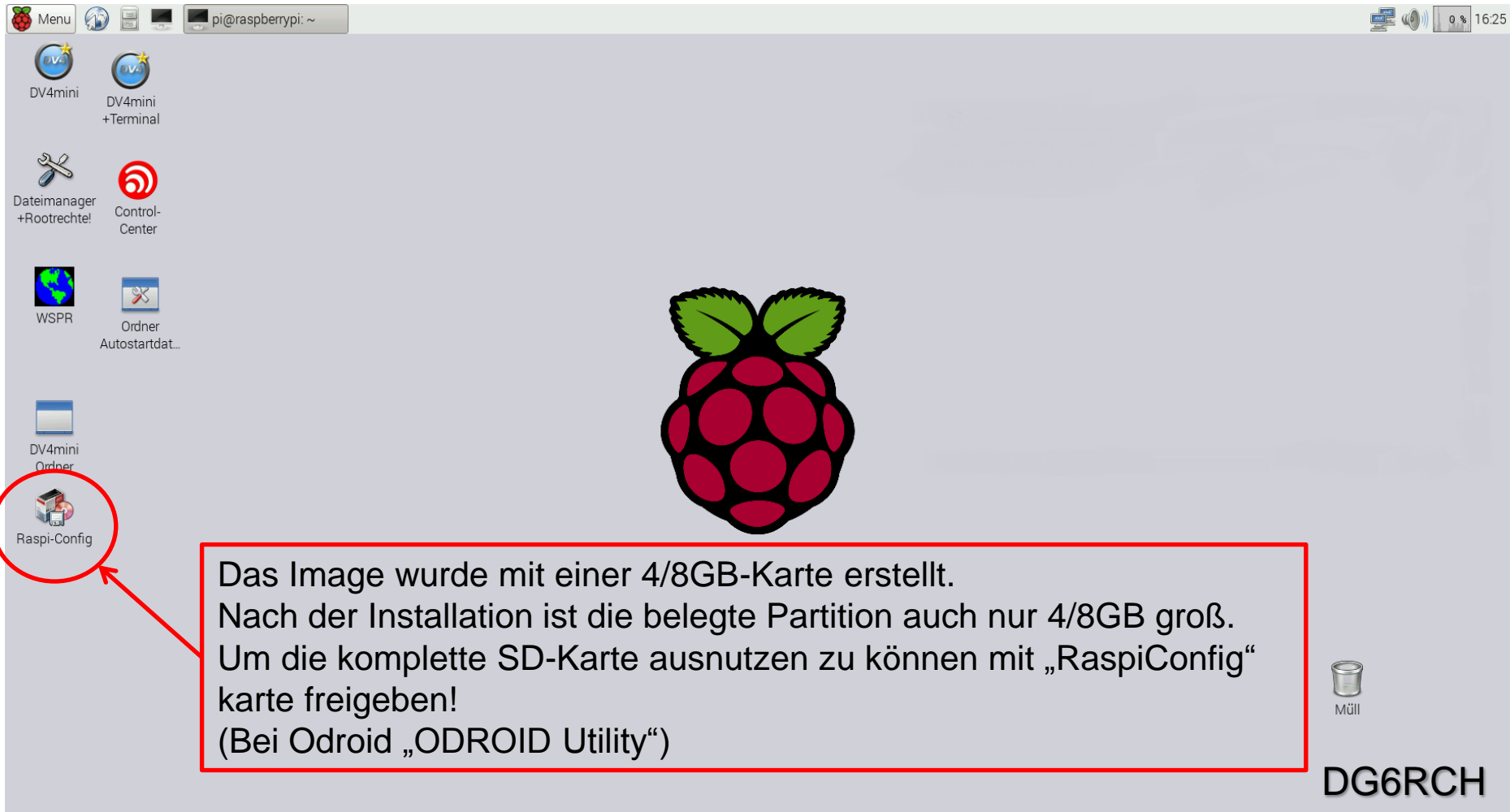
# Nach den Starten erscheint folgende Ansicht!

(Icons könne auch etwas verschoben sein!)



DG6RCH  
16.09.2015

# 4. Schritt

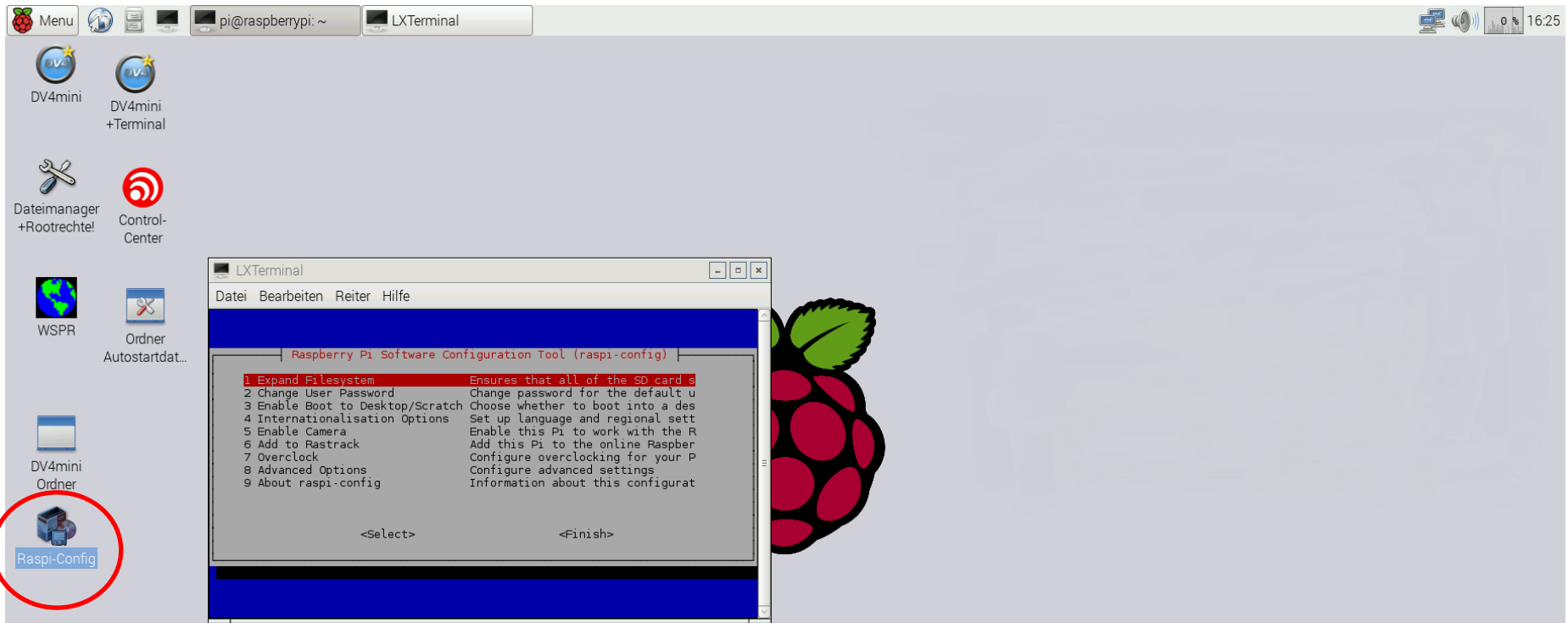


The screenshot shows a desktop environment with a Raspberry Pi logo in the center. The desktop has several icons: DV4mini, DV4mini +Terminal, Dateimanager +Rootrechte!, Control-Center, WSPR, Ordner Autostartdat..., DV4mini Ordner, and Raspi-Config. The Raspi-Config icon is circled in red, and a red arrow points from a text box to it. The text box contains the following text:

Das Image wurde mit einer 4/8GB-Karte erstellt.  
Nach der Installation ist die belegte Partition auch nur 4/8GB groß.  
Um die komplette SD-Karte ausnutzen zu können mit „RaspiConfig“  
karte freigeben!  
(Bei Odroid „ODROID Utility“)

In the bottom right corner, there is a trash icon labeled 'Müll' and the text 'DG6RCH 16.09.2015'.

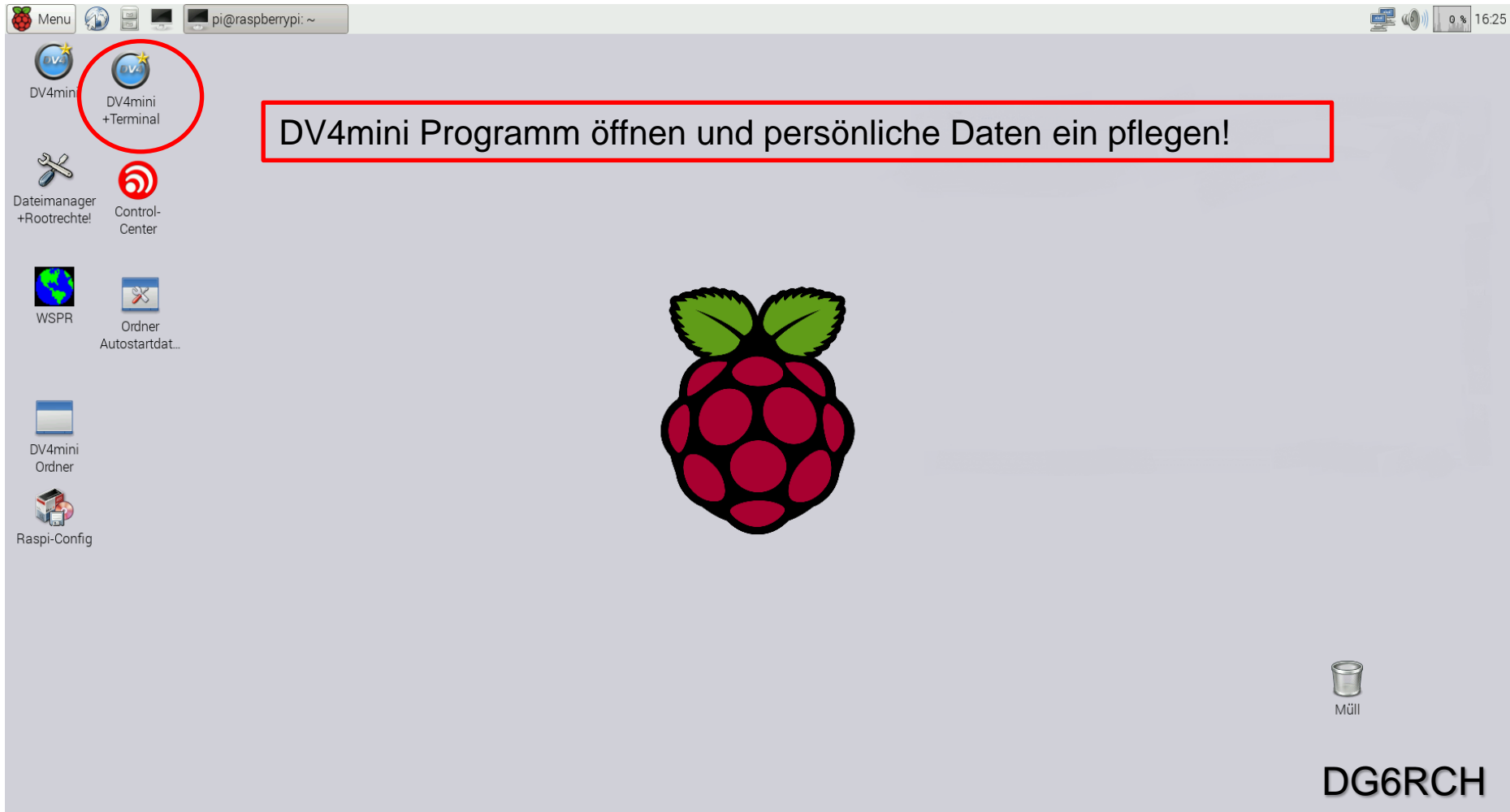
# 4. Schritt



Unter Punkt 1 „Expand Filesystem“  
Die komplette SD-Karte „freigeben“ und Rechner neu starten!



# 5. Schritt (DV4mini Software)



# 5. Schritt (DV4mini Software)

The screenshot shows the DV4mini Control Panel interface. The top bar includes a menu, browser, [scrot], [pi], LXTerminal, DV4mini Control Pan..., and pi@raspberrypi: ~. The main window has tabs for 'Experteneinstellungen', 'RSSI', 'Reflector Info', 'FW Update', and 'Info'. The 'Experteneinstellungen' tab is active, showing various configuration options. Three red circles with numbers 1, 2, and 3 highlight specific settings: 1. 'DMR/CCS7 ID' and 'Hotspot Rufzeichen' fields. 2. 'D-Star' and 'C4FM' radio buttons, and 'DMR+' and 'P25' radio buttons. 3. The 'C4FM Fusion' section, specifically the 'DCS Reflector' dropdown menu which is set to 'FCS001'. Below the settings, there is a log window showing system messages and a status bar at the bottom indicating 'connected to FCS001-2 CCS7' and 'C4FM mode'.

Raspi-Config

# 5. Schritt (DV4mini Software)

The screenshot displays the DV4mini Control Panel interface. The top bar shows the system menu, a terminal window, and the application title 'DV4mini Control Panel'. The main window is divided into several sections:

- Netzwerkeinstellungen:** Includes a table for 'DV4minis found: IP:Port [SN] Status'. Below it, the checkbox 'use HAMNET IPs' is circled in red with the number '4.'. The checkbox 'auto connect DV4mini' is also circled in red with the number '5.'.
- Verschiedene Einstellungen:** Includes a language selection dropdown (English/Deutsch) circled in red with the number '5.'. Below it, the 'TX Puffer Größe (s):' dropdown is set to '0.5'.
- D-Star:** Includes a checkbox 'akzeptiere nur eigenes Call'.
- DMR:** Includes a dropdown for 'DMR - ORG Korrektur [HZ]:' set to '0' and a dropdown for 'wähle nächsten DMR Master:' set to 'Global-Master'.
- C4FM:** Includes a checked checkbox 'Gateway für C4FM Repeater Call:' circled in red with the number '6.'. Below it, the 'use CFM Repeater call:' field is also circled in red with the number '6.'.

At the bottom, an S-Meter shows '-105 dBm'. A terminal window displays the following log output:

```
16:29:04,740832 (0005): DV4mini ... set mode: Fusion
16:29:04,760975 (0020): DMR ... Set Dongle ID:#2628264/DG6RCH
16:29:04,762736 (0002): DV4mini ... C4FM gateway mode = ON
16:29:04,765557 (0003): DV4mini ... C4FM hamnet mode = OFF
16:29:04,782356 (0017): DV4mini ... C4FM Repeatercall = DG6RCH
16:29:05,557968 (0775): C4FM ... try to reconnect the reflector: 00
16:29:06,971054 (1414): DV4mini ... Connect request to C4FM/P25 FCS00102
16:29:06,972784 (0001): C4FM ... Connect to C4FM/P25 Reflector FCS00102
16:29:07,008746 (0036): C4FM ... Connected to C4FM Reflector: FCS00102
```

The terminal status bar shows 'connected to FCS001-2 CCS7', 'C4FM mode', and the time '14:30:27 UTC'.

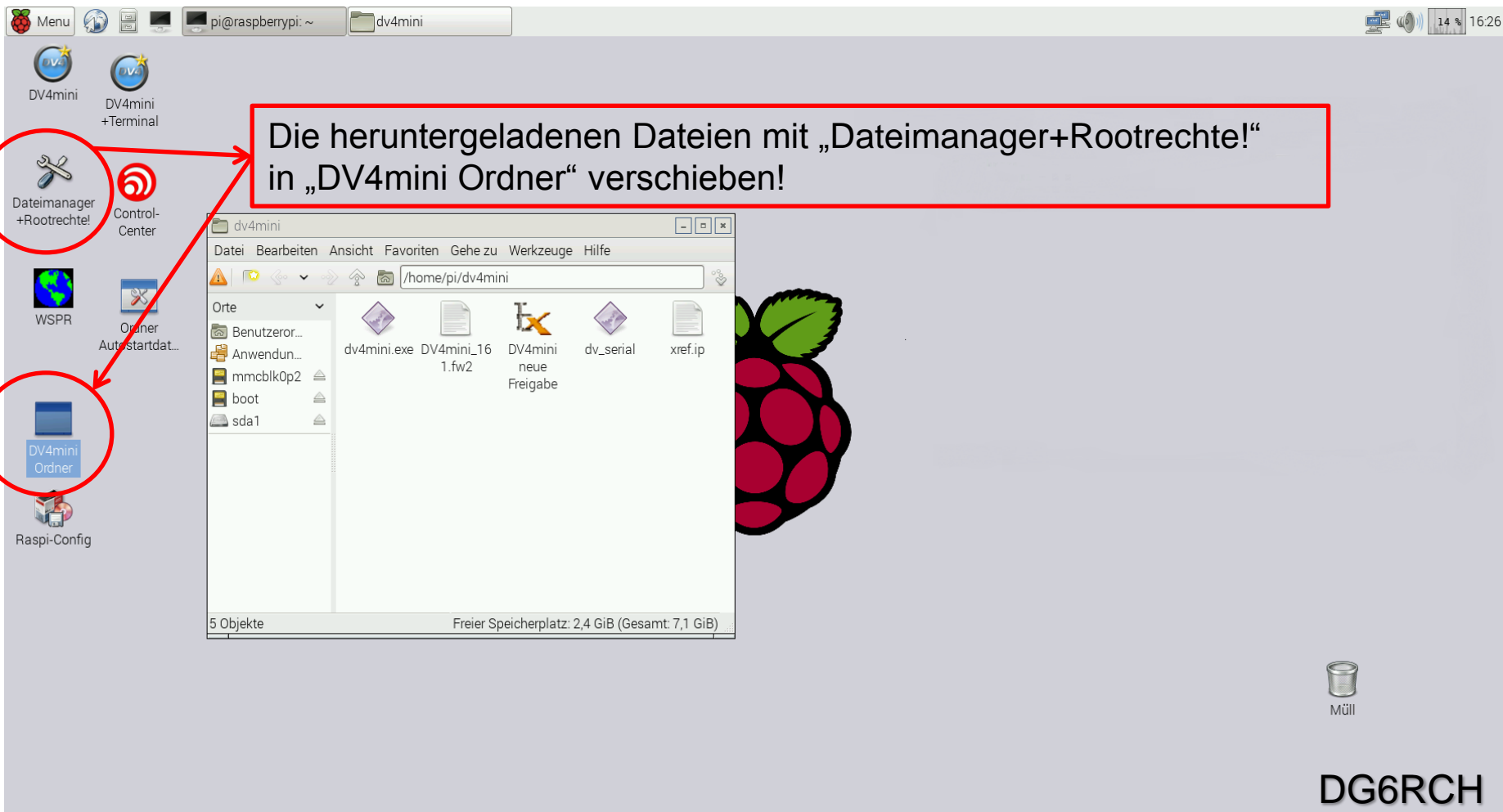


# 6. Update neuer DV4mini-Software!

1. Download der neuen Software  
von der Homepage

<http://dv4m.ham-dmr.ch>

# 6. Update neuer DV4mini-Software!



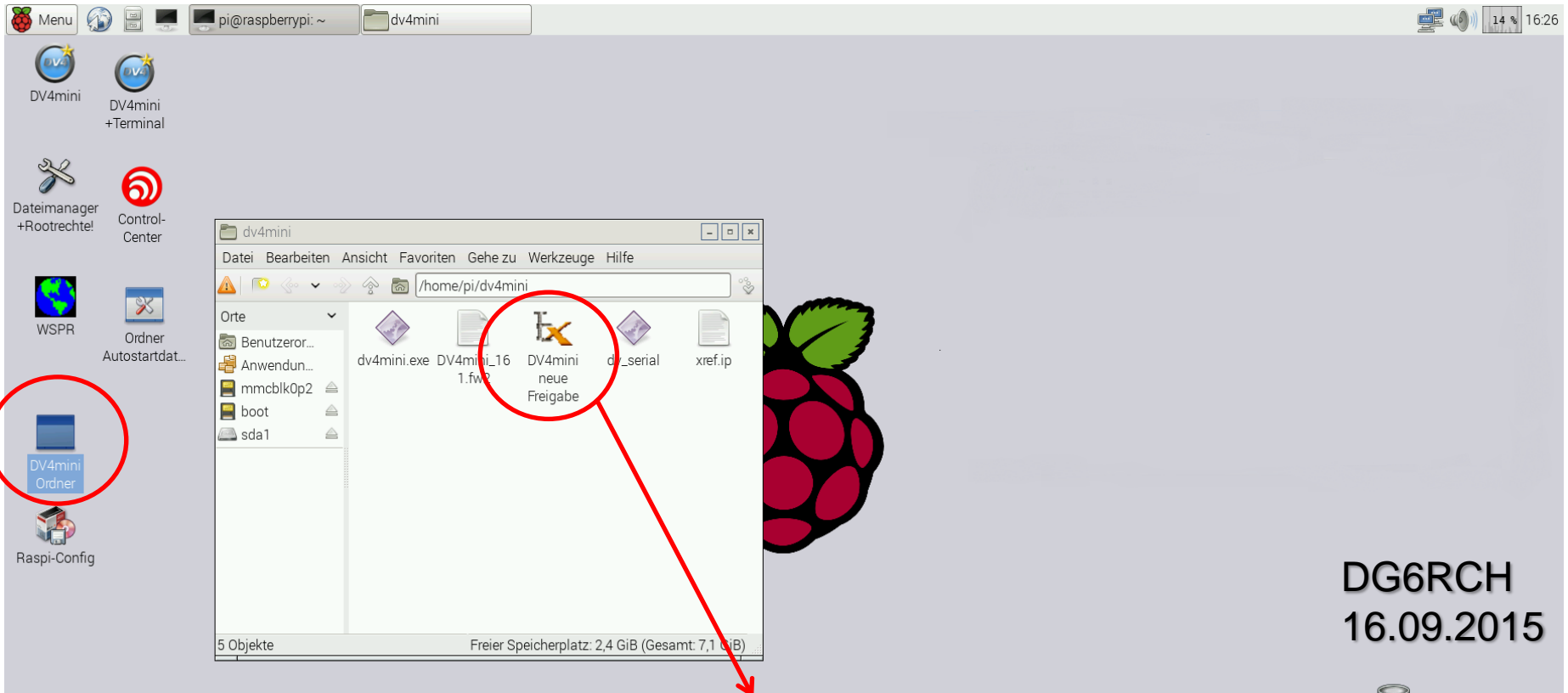
The screenshot shows a Raspberry Pi desktop environment. A file manager window is open, displaying the contents of the /home/pi/dv4mini directory. The window title is "dv4mini" and the address bar shows "/home/pi/dv4mini". The file list includes:

Icon	Filename	Details
Application icon	dv4mini.exe	
File icon	DV4mini_16	1.fw2
Folder icon	DV4mini neue	Freigabe
File icon	dv_serial	
File icon	xref.ip	

On the desktop, several icons are visible: "Dateimanager +Rootrechte!" (circled in red), "Control-Center", "WSPR", "Ordnung Autostartdat...", "DV4mini Ordner" (circled in red), and "Raspi-Config". A red box highlights the text: "Die heruntergeladenen Dateien mit „Dateimanager+Rootrechte!“ in „DV4mini Ordner“ verschieben!". A large Raspberry Pi logo is also present on the desktop.



# 6. Update neuer DV4mini-Software!



DG6RCH  
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Die verschobenen Dateien mit „DV4mini neue Freigabe“ freigeben!  
Es öffnet sich beim Doppelklick kurzzeitig ein Terminalfenster das sofort wieder verschwindet!  
**Achtung sehr Wichtig!**  
Erst nach Freigabe ist die neue Software lauffähig!

Weitere Fragen bitte im Forum stellen!