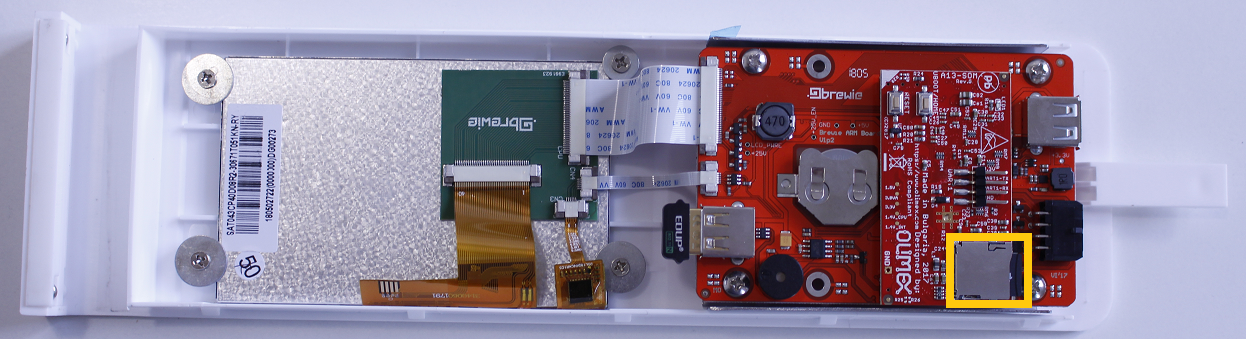
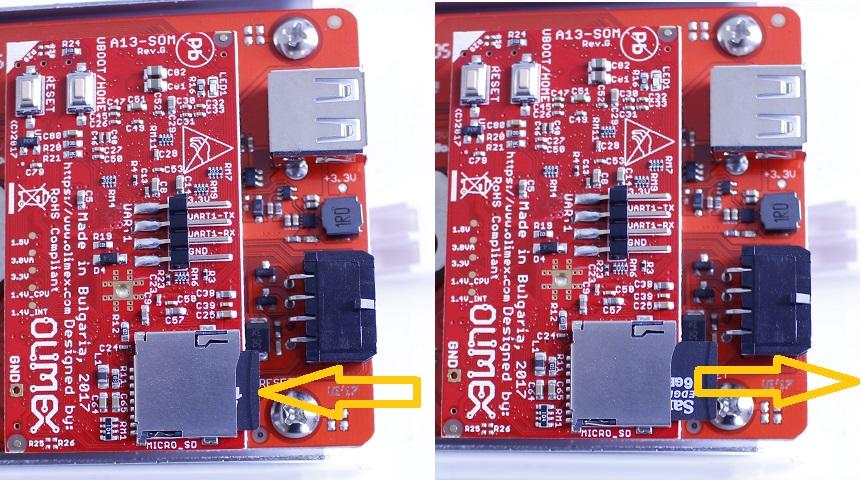
[E144] SD card



The SD card is located in the front panel assembly plugged in the Olimex panel.

Check [E119] about how to remove the front panel from the B+.



To remove the SD card first gently push it into the card reader, then it is automatically ejected.

**Rewriting the SD card**

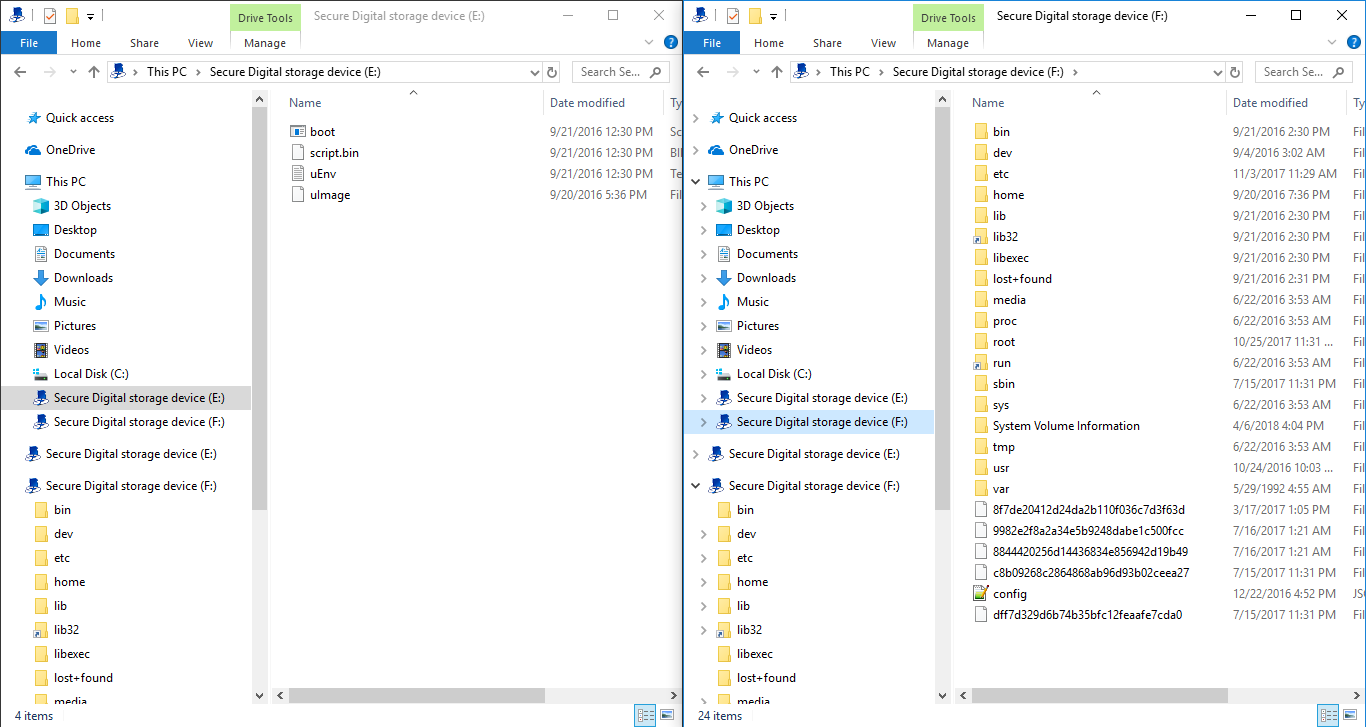
Hardware requirement: card reader, micro SD card to normal SD card adapter.

Software requirement

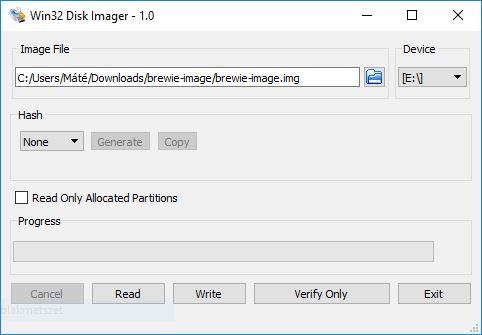
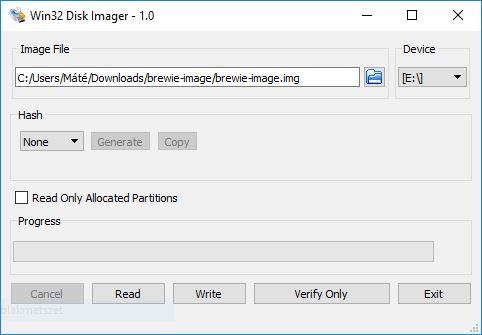
1. Ext2 Volume Manager or similar: to be able to read/write files with Linux file system.
2. Win 32 DiskImager: to write a raw disk image to a removable device.

Steps of fixing the SD card

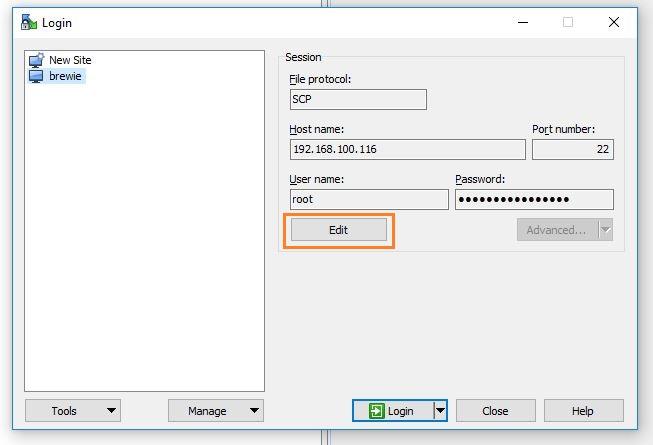
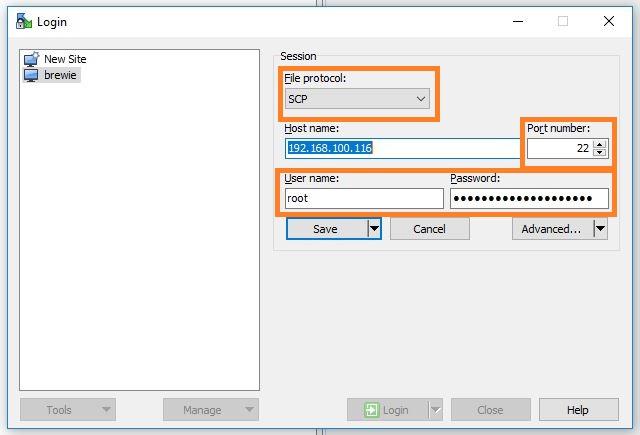
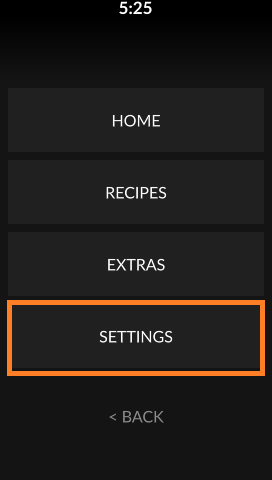
1. Install the required software on a computer.
   1. After the installation of the Ext2 Volume Manager the computer should recognize the SD card and show it twice (boot and content) in the directory list in Windows on the left panel.

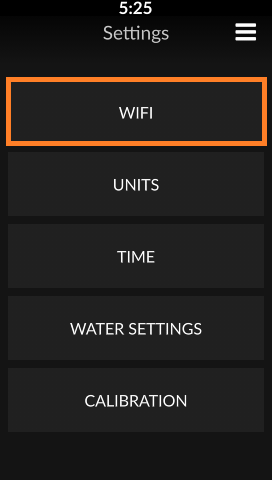


* 1. If Ext2 Volume Manager doesn’t work and the SD card can be read, a Linux computer can be used to access the necessary files on the card.

1. It has to be determined whether the SD card is corrupted or not. If unsure, consider it corrupted and use a new SD card.
   1. If the SD card is not corrupted, the Brewie software has to be reinstalled on the original card.
      1. Before installation, open the content of the card (and not the boot folder) and go to folder *usr/share/brewie*.
         1. If this is a new machine copy only config.json to the computer. Installation will delete all data from the device.
         2. If there is already user data copy config.json, settings, and Recipes folder to the computer. Installation will delete all data from the device.
      2. With the DiskImager software install the Brewie image file on the SD card. It is important to select the boot drive from the dropdown Device list, then click Write.  
         
      3. After installation was successful open the card and copy the above mentioned files back to the SD card.
   2. If the SD card is corrupted, the Brewie software has to be installed on a new card.
      1. With the DiskImager software install the Brewie image file on the SD card.   
         
      2. Since the original card was damaged it is not possible to get the configuration data. It has to be generated from the factory test logs. Contact Brewie about the next steps.
      3. After installation, open the content of the card and copy the configuration data to *usr/share/brewie*.

If there is no way to access the SD card via the Ext2 Volume Manager there is still a chance to copy configuration data on the cards. This method can be used to save configuration data from the old card if machine turns on and connects to WIFI.

1. Start machine and connect it to the same WIFI as the computer.
2. Connect directly to the machine using WinSCP from the computer (for Windows we recommend this software).
3. WinSCP starts with a dialog box. Click on the Edit button as shown below: ****
4. Fill the indicated areas. These settings will be good for other machines later, the only value that must be changed later is the IP address.  
   File protocol: SCP  
   Port number: 22  
   User name: root  
   Password: terminatorottvagymeg  
   
5. You can find the IP address as shown below:  
   

  
Select the same network the computer uses.  
