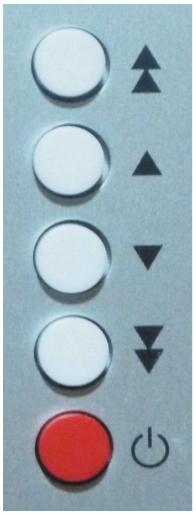
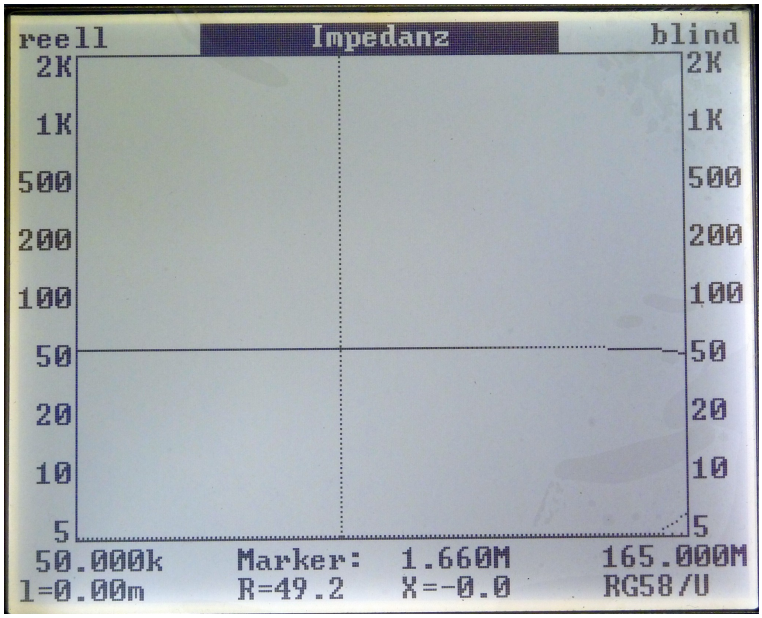
Calibrating the FA-VA3

As in the description of the testing procedure, this is my own attempt at a guide, and it has not been checked by anyone who is bi-lingual, nor has it been checked or endorsed by FUNKAMATEUR.

Controls



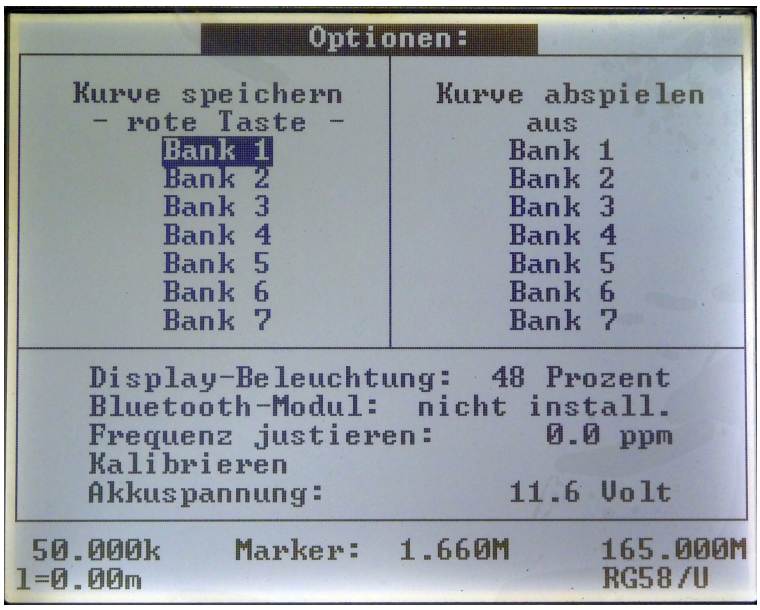
For the purpose of this guide, the buttons will be referred to as indicated This does not correspond to the names displayed on the FA-VA3, it is only used for ease of explanation in this guide.



Press the BACK button until the title at the top of the screen is highlighted. Use the UP or DOWN buttone to go to the ***Impedanz*** page.

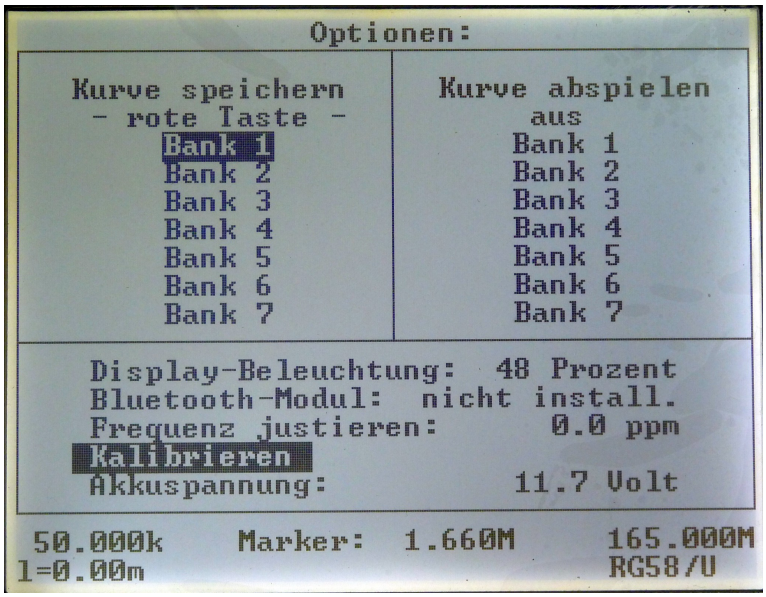
Use the FORWARD and BACK buttons to select the lower frequency, upper frequency, cable length and cable type, then using the UP and DOWN buttons, set them to the values shown in.

Set R53 to fully clockwise, then back it off about 15 degrees.



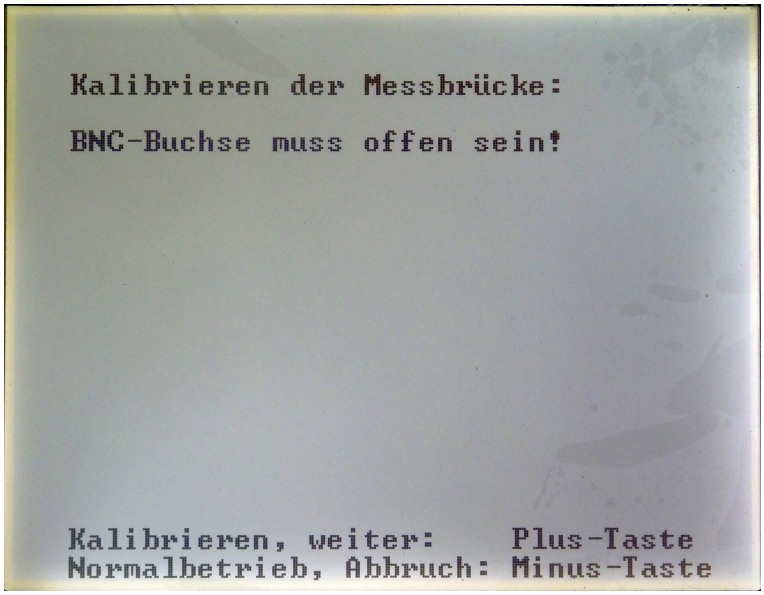
Press the BACK button until the title at the top of the screen is highlighted.

Use the UP or DOWN buttone to go to the ***Optionen:*** page.



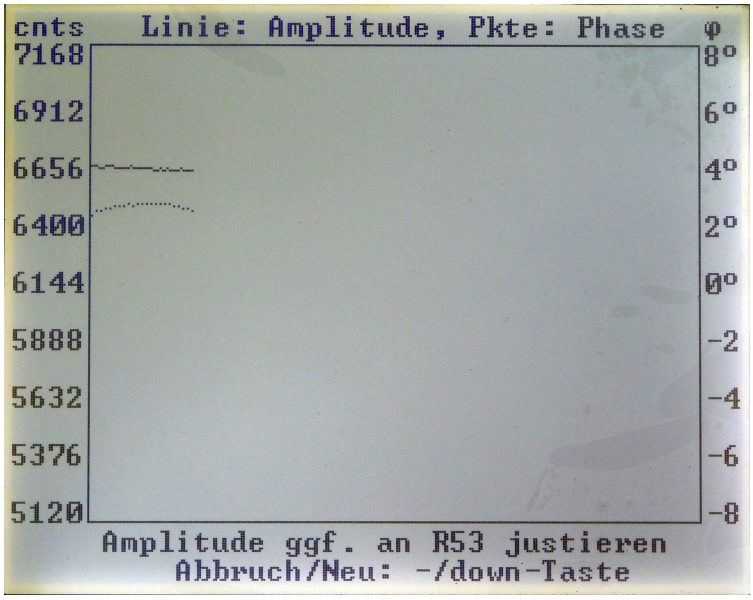
Press the FORWARD button until ***Kalibrieren*** is highlighted.

Press the UP button

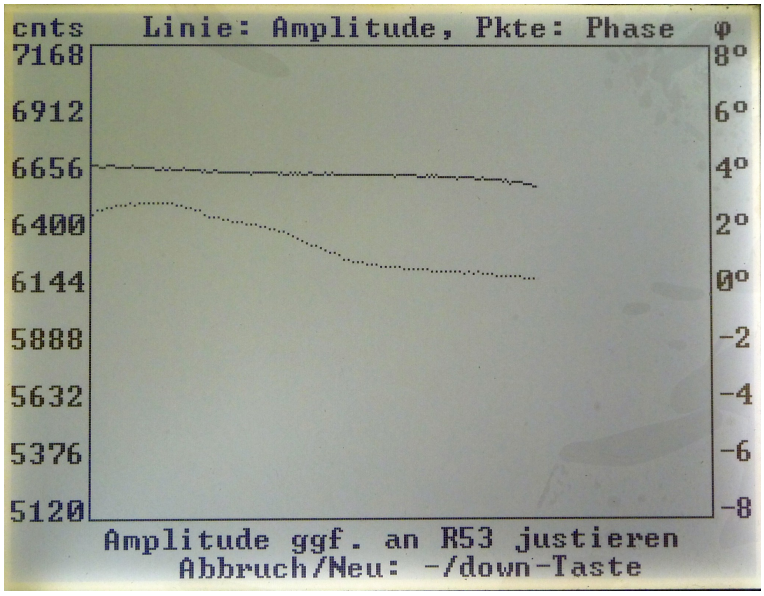


There is a warning that the BNC connector should be open, no cable or dummy load should be connected.

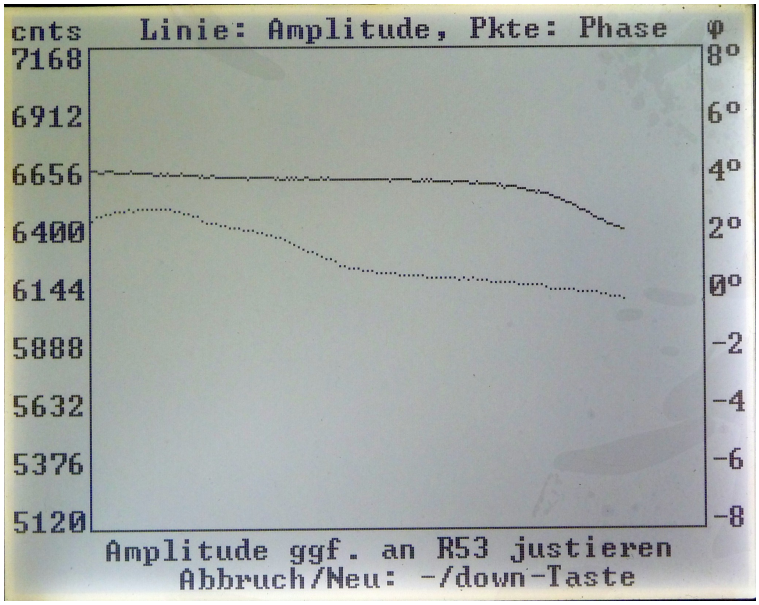
Press the UP button to start the calibration.

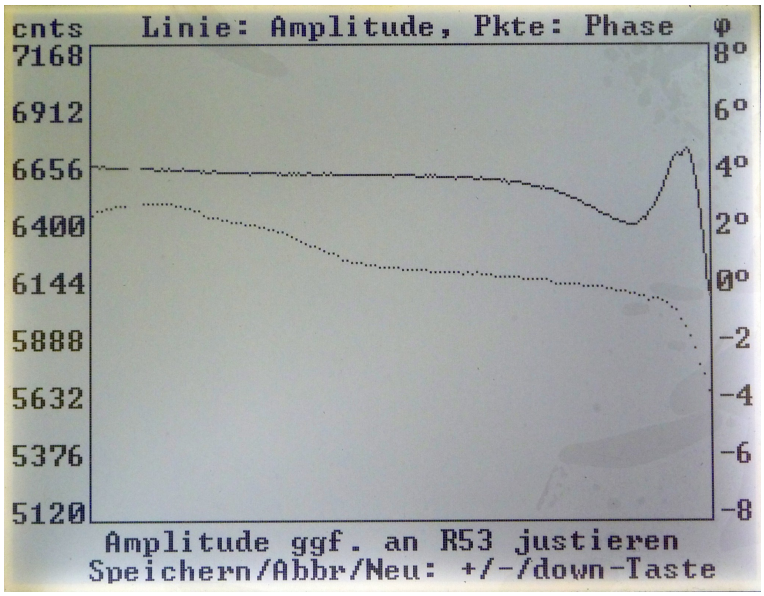


Two lines will slowly form. The solid amplitude line is the one to watch. It should be around the 6656 mark, must not leave the screen top or bottom, and preferably be in the top third of the screen. Its position can be adjusted by R53. The position of the dotted phase line can not be set.



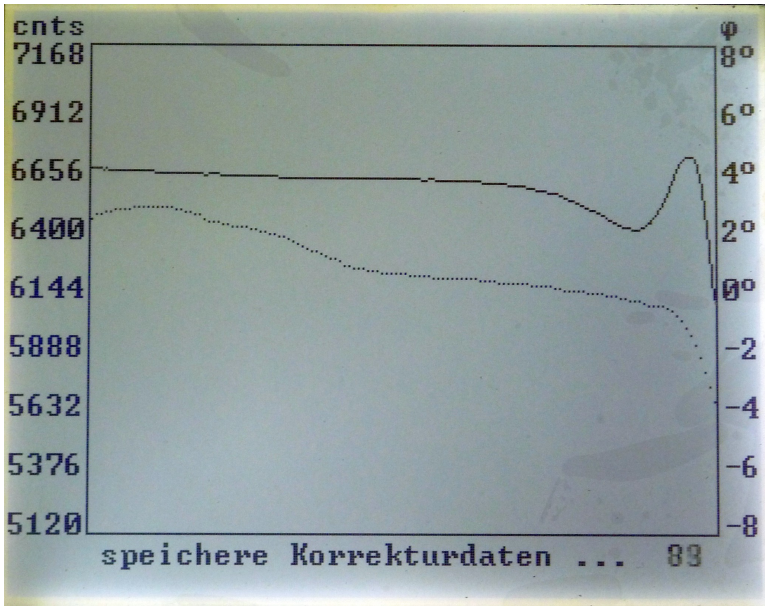
The FA-VA3 will make a clicking sound as each measurement is made and plotted



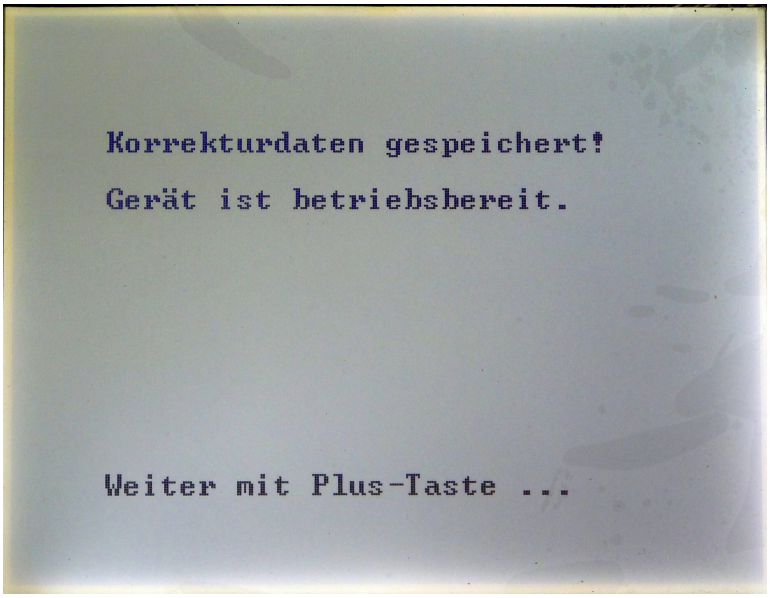


When the plot reaches the right side of the screen, wait a few seconds and the screen on the left will appear.

If the plot is satisfactory, hold the UP button to save the data, otherwise press the DOWN button to repeat and readjust R53.



As the data is saved, there will be a rapid clicking, and the number on the bottom right (89 on this picture) will increment with the clicks.



Corrected calibration data is saved, and the device should be ready for use!