7" -TOUCH LCD

RB-LCD7-3



1. GENERAL INFORMATION

Dear customer,
thank you very much for choosing our product.
In the following, we will introduce you to what to observe while starting up and using this product.
Should you encounter any unexpected problems during use, please do not hesitate to contact us.

2. OVERVIEW OF CONNECTIONS AND BUTTONS



Number	Description	Number	Description
1	HDMI-Input	6	Power-Button
2	Touchsignal-Output / Power-Input	7	Menu-Button
3	Power-Input	8	Up-Button
4	Audio-Output	9	Down-Button
5	VGA-Input	10	Exit-Button
11	Speaker connection for 2x 2 W / 5 Ω speakers		

3. MENU CONTROL

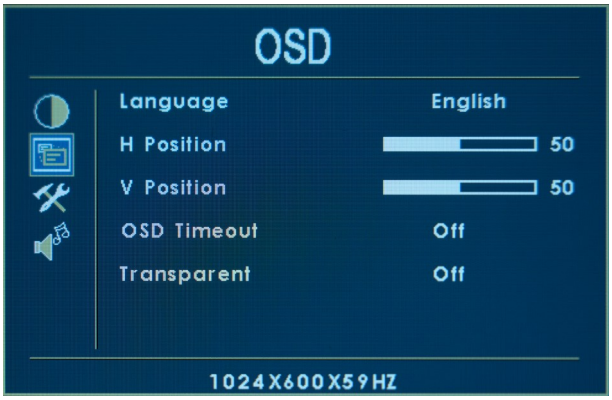
To enter the menu of the display, it must be switched on and receive an input signal.

The display automatically switches between the available input interfaces. If both interfaces are used simultaneously, the signal received first is output.

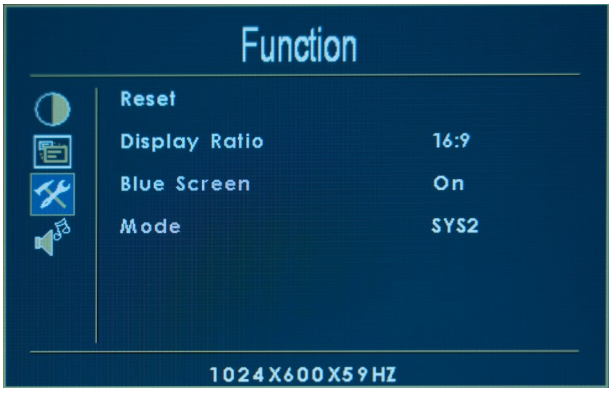
Pressing the menu key takes you to the display settings. Here you can first select the individual submenus with the Up and Down keys. You can always use the menu key here to confirm and select. Pressing the Exit key always takes you back one step and you can use the Up and Down keys to navigate through the menu and adjust the settings.



In the colour menu you can adjust the brightness, contrast and saturation of the display.



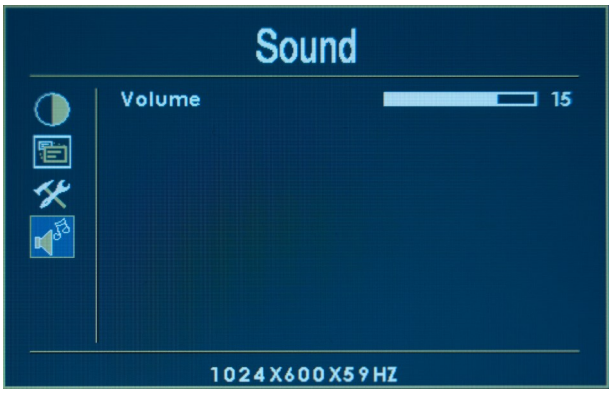
In the OSD menu you can make the settings for the menu of the display. You can set the menu language, the horizontal menu position, the vertical menu position, the time in seconds that the menu should remain open during inactivity and the transparency of the menu.



In the Function menu, you can reset the display, set the display aspect ratio, switch the blue screen on or off and set the mode.

With the bluescreen switched on, the display always shows a blue screen for a short time at start-up before the received signal is output.
If bluescreen is switched off, the received image is displayed immediately when the display is switched on.

The display has four different modes (SYS1 - SYS4).
With these modes you can change the orientation of the display. SYS2 is the default mode, with SYS1 the display is mirrored horizontally. with SYS3 the display is rotated by 180° and with SYS4 the display is rotated by 180° and mirrored horizontally.



You can adjust the volume in the sound menu.
You can also adjust the volume outside the menu with the Up and Down buttons.

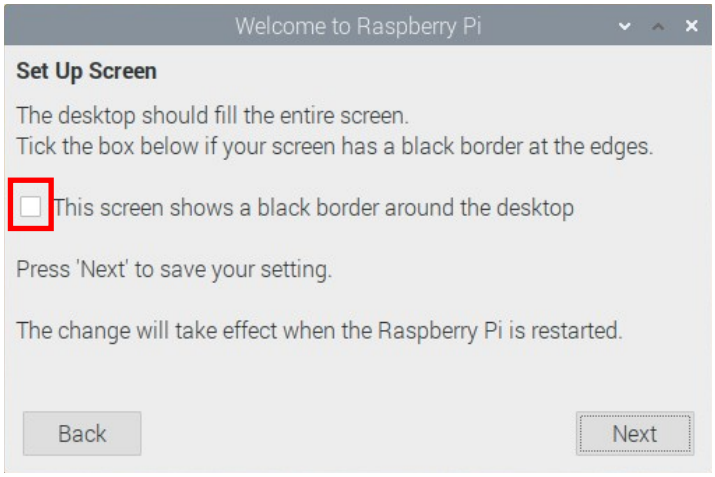
4. USE UNDER RASPBERRY PI OS

With the latest versions of Raspberry Pi OS, setting up the display is a simple matter.

Connect the display to your Raspberry Pi using an HDMI cable.
For the touch function, connect the touch port of the display to a USB port of your Raspberry Pi with a USB cable. The display is then also supplied with power via this connection.

When the unit is first put into operation, there is a black border on the display.
which also affects the accuracy of the touch function. There are several ways to change this.

If you are using a fresh installed Raspberry Pi OS, the **Welcome to Raspberry Pi** window will appear when you start the Raspberry Pi. There you can set your screen in one of the later steps.



To do this, check the marked field and carry out the setup to the end. At the end, you will be prompted to restart your Raspberry Pi. After this restart, your display is ready for use.

If you are using an image for which this setup has already been carried out, you can you can also remove the border on the display manually.
To do this, open a terminal window and enter the following command:

```
sudo nano /boot/config.txt
```

Now find the line **#disable_overscan=1** and remove the **#** sign.

```
# uncomment this if your display has a black border of unused pixels visible
# and your display can output without overscan
disable_overscan=1
```

Save the file with **CTRL + O** and confirm with Enter.
Now you can close the file with the key combination **CTRL + X**. After restarting your Raspberry Pi, your display is ready for use.

5. USE UNDER WINDOWS 10

To operate your display with a Windows computer, you only need to connect the display to your computer with an HDMI cable and an USB cable. The USB cable is connected to the touch connection of the display and to a free USB port of your computer. The USB cable is used for both the data exchange for the touch function and the power supply for the display.

6. ADDITIONAL INFORMATION

Our information and take-back obligations according to the Electrical and Electronic Equipment Act (ElektroG)

Symbol on electrical and electronic equipment:



This crossed-out dustbin means that electrical and electronic appliances do not belong in the household waste. You must return the old appliances to a collection point.
Before handing over waste batteries and accumulators that are not enclosed by waste equipment must be separated from it.

Return options:
As an end user, you can return your old device (which essentially fulfils the same function as the new device purchased from us) free of charge for disposal when you purchase a new device.
Small appliances with no external dimensions greater than 25 cm can be disposed of in normal household quantities independently of the purchase of a new appliance.

Possibility of return at our company location during opening hours:
SIMAC Electronics GmbH, Pascalstr. 8, D-47506 Neukirchen-Vluyn, Germany

Possibility of return in your area:
We will send you a parcel stamp with which you can return the device to us free of charge. Please contact us by email at Service@joy-it.net or by telephone.

Information on packaging:
If you do not have suitable packaging material or do not wish to use your own, please contact us and we will send you suitable packaging.

7. SUPPORT

If there are still any issues pending or problems arising after your purchase, we will support you by e-mail, telephone and with our ticket support system.

Email: **service@joy-it.net**
Ticket system: http://support.joy-it.net
Telephone: +49 (0)2845 98469-66 (10-17 o‘clock)

For further information please visit our website:
www.joy-it.net

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