HDMI 5 INCH TOUCH

User Manual

**Description**

5 inch Resistive Touch Screen LCD, HDMI interface, supports various systems



# Features

* 800×480 high resolution, touch control
* Supports Raspberry Pi,BeagleBone with free-driver
* Supports Windows / Mac / Ubuntu PC
* Supports Lubuntu, Android Media Box / MiniPC
* HDMI interface for displaying, USB interface for touch control
* ULP Back light

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| **1.**  | **On-Board resource**  |

**Figure 1: Interfaces**





1. HDMI: it is used for connecting the main board to the LCD screen.
2. USB Touch Interface: USB touch/power interface.

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| **2.**  | **Working with Raspberry Pi**  |
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| 2.1. |  Edit /boot/config.txt to change resolution |

# uncomment if you get no picture on HDMI for a default "safe" mode

#hdmi\_safe=1

# uncomment this if your display has a black border of unused pixels visible

# and your display can output without overscan

#disable\_overscan=1

# uncomment the following to adjust overscan. Use positive numbers if console

# goes off screen, and negative if there is too much border

#overscan\_left=16

#overscan\_right=16

#overscan\_top=16

#overscan\_bottom=16

# uncomment to force a console size. By default it will be display's size minus

# overscan.

#framebuffer\_width=1280

#framebuffer\_height=720

# uncomment if hdmi display is not detected and composite is being output

hdmi\_force\_hotplug=1

# uncomment to force a specific HDMI mode (here we are forcing 800x480!)

hdmi\_group=2

hdmi\_mode=1

hdmi\_mode=87

hdmi\_cvt 800 480 60 6 0 0 0

# uncomment to force a HDMI mode rather than DVI. This can make audio work in

# DMT (computer monitor) modes

#hdmi\_drive=2

# uncomment to increase signal to HDMI, if you have interference, blanking, or

# no display

#config\_hdmi\_boost=4

# uncomment for composite PAL

#sdtv\_mode=2

#uncomment to overclock the arm. 700 MHz is the default.

#arm\_freq=800

# for more options see http://elinux.org/RPi\_config.txt

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| 2.2.  | Hardware connection  |

1. Connect the LCD to the HDMI on the Raspberry Pi board with a HDMI cable;
2. Connect the USB Touch interface on the LCD to the USB interface on the Raspberry Pi board with a USB type-A male to micro-B cable.

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| 2.3.  | Have fun. |

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| **3.**  | **How to use with PC** |

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| 3.1.  | Plug & Play  |