DEWESoft™
measurement innovation

DS-DISP-12

12.1'' Display

User Manual

v 2.0

www.dewesoft.com

Table of Contents

1 Specifications 3
1.1 General specifications 3
1.2 Technical specifications 3
1.3 Connectors 4
1.3.1 Power IN connector 4
1.3.2 USB 4
1.3.3 Video Inputs 4
2 Touch controller 5
2.1 Controller as a HID-compliant mouse 5
3 On Screen Display (OSD) & Keypad 6
3.1 Functionality while OSD is closed 6
3.2 Functionality while OSD is open 6
4 Documentation Version 6

1 Specifications

1.1 General specifications

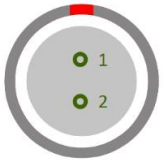
Dimensions (W x H x D) without suction cup	312 x 50 x 214 mm (12.18 x 1.87 x 8.43 in)
Weight	1890 g (4.17 lbs)
Mounting 1	3x 1/4-20 UNC thread insert
Mounting 2	VESA mounting compatible
Touch Screen	PCAP (Projected capacitive)
Touch Screen Interface	USB
Operating temperature	0°C ~ 60°C
Storage temperature	-30°C ~ 80°C

1.2 Technical specifications

TFT Display	Yes
Viewable Size Image	12.1''
Active display Area (mm)	261.12(H) x 163.2(V)
Number of Pixels	1280 RGB (H) x 800 (V)
Contrast Ratio	700:1 (typ.)
Brightness	700 (typ.)
Viewing Angle (CR>=10)	-80~80 (H); -60~80(V)
Synchronization Range Horizontal/Vertical	31.5~91.1 kHz / 60~85Hz
Recommended Resolution	1280 x 800 @60Hz
Signal Connector	VGA / DVI inputs
Power Source	9 - 36V_{DC}
Power Consumption	12W (0.5A @ 24V)
Power Management	VESA DPMS Compliant

1.3 Connectors

1.3.1 Power IN connector

<table>
<tr><td rowspan="4"> 

Power IN Connector 2pin</td><td>Pin</td><td>Name</td><td rowspan="4">For the power supply DC voltage between 9 and 36 Volts is required.

Connector: LEMO 1B series
Power In connector (on the device): EXJ.1B.302.CLA
Mating connector (for the cable): FGJ.1B.302.CLL____</td></tr>
<tr><td>1</td><td>V+</td></tr>
<tr><td>2</td><td>V-</td></tr>
<tr><td></td><td></td></tr>
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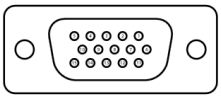
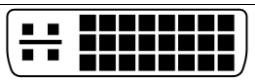
1.3.2 USB

 Mini USB B Connector	The USB connector is used to connect Touch screen controller in the DS-DISP-12 to the PC.

1.3.3 Video Inputs

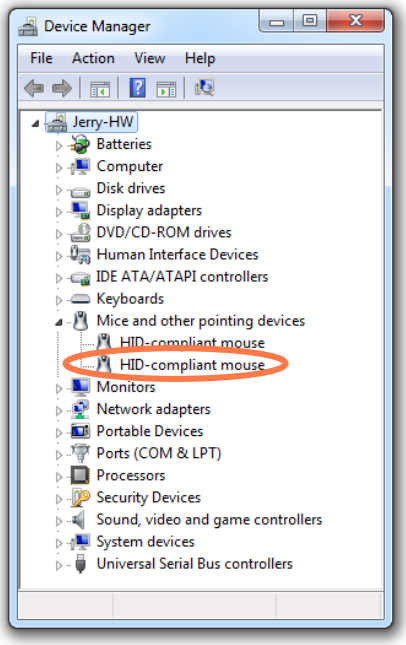
 *VGA Connector*	Two video connectors are available to connect DS-DISP-12 to video signal source either analog VGA or digital DVI signal can be connected.
 *DVI Connector*	

2 Touch controller

2.1 Controller as a HID-compliant mouse

Touch screen hardware should be recognised by the OS as a HID-compliant mouse.

Open **Control Panel**, then select **System** and check in **Device Manager** to confirm that new HW is recognised correctly.



Close all opened windows.

3 On Screen Display (OSD) & Keypad

3.1 Functionality while OSD is closed

Key	Function	Remark
POWER	Switch Power On/Off	
MENU	Open OSD Main Menu/ENTER	
SELECT	Auto-colour	
A	Opens brightness adjustment bar	
B	Input select	

3.2 Functionality while OSD is open

Key	Function	Remark
POWER	Switch Power On / Off	
MENU	Leave OSD main menu Select highlighted function	
SELECT	TBD	
A	Select previous menu item	In main menu or in submenu
	Move picture to the left	In H-Position submenu
	Move picture up	In V-Position submenu
	Decrease slider value	
B	Select next menu item	In main menu or in submenu
	Move picture to the right	In H-Position submenu
	Move picture down	In V-Position submenu
	Increase slider value	

4 Documentation Version

Doc-Version	Date [dd.mm.yyyy]	Notes
1.0	06.11.2014	Initial version (JK)
2.0	14.07.2015	Connectors update (JK)