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User Manual
KOORUI Monitor

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User Manual

Product Parameters

Product Parameters		Physical Properties	
MODEL NO.	15B1	Signal Cable Type	Separable
Display		Power Type	Built-in power supply
LCD Technologie	IPS	Input Voltage	5~12V
Screen Size	15.6 Inches	Input Current	3Amax
Screen Shape	FLAS	Power Consumption	Boot≤30W
Reaction Time(G/G)	5ms		Sleep≤0.3W
Pixel Spacing	0.17925×0.17925mm (W×H)	VESA Mount Supported	Unsupported
Display Color	16.7M colors	Product Height	236.23mm
Image Ratio	16 : 9	Product Width	362.54mm
Perspective(typ.)	200cd / m2	Product Depth	16.23mm
Resolution	1920×1080	Product Weight	1.05kg
Maximum Refresh Rate	60Hz	FCL Weight	1.3kg
Betrachtungswinkel(H/V)	178°/178°	Output Port	
Static Contrast	1000 : 1	Type-C	2
Dynamic Contrast	20000000 : 1	Mini-HDMI 1.4	1
NCSI Solor Gamut	45%	Audio	0
Model Type	Digital signal	Use Environment	
Language	English, Chinese, German, Japanese, Italian, French optional	Working Temperature	0~40℃
		Storage Temperature	-20~60℃
Eye Protection Mode	Yes	Working Humidity	10%~80%
Built-in Speaker	Yes	Storage Humidity	5%~95%

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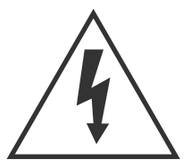
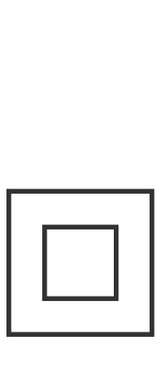
Chapter I Attention

1.1 Safety precautions

Warning A serious or fatal injury may result if instructions are not followed.
Caution Personal injury or damage to properties may result if instructions are not followed.

RISK OF ELECTRIC SHOCK. DO NOT OPEN			
CAUTION: TO REDUCE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK).THERE ARE NO USER SERVICEABLE PARTS INSIDE. REFER ALL SERVICING TO PROFESSIONAL.			
	This symbol indicates that high voltage is present inside. It is dangerous to make any kind of contact with any internal part of this product.		AC voltage: Rated voltage marked with this symbol is AC voltage.
	This symbol indicates that this product has included important literature concerning operation and maintenance.		DC voltage: Rated voltage marked with this symbol is DC voltage.
	Class II product: This symbol indicates that a safety connection to electrical earth (ground) is not required. If this symbol is not present on a product with a mains lead, the product MUST have a reliable connection to protective earth (ground).		Caution. Consult instructions for use: This symbol instructs the user to consult the user manual for further safety related information.

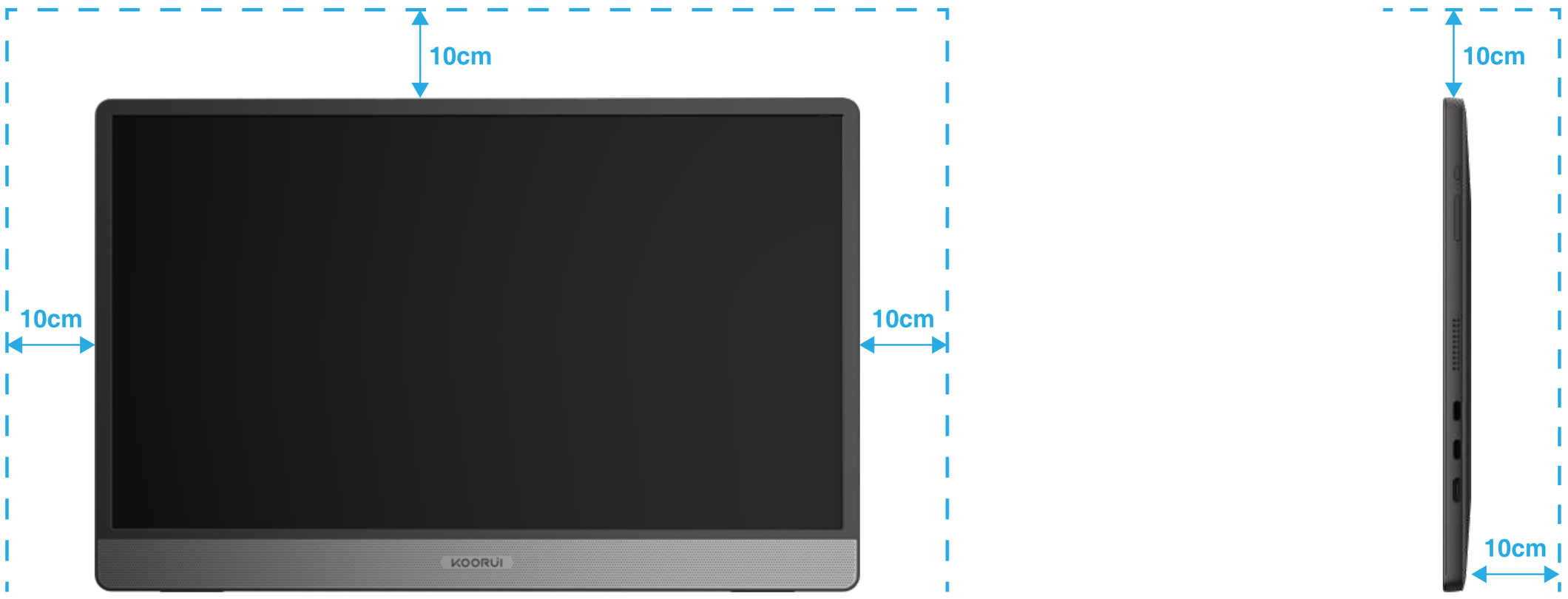
1.2 Storage precautions

- Keep away from water sources or damp places, such as bathrooms, kitchens, basements, swimming pools, etc.
- Ensure that the equipment is installed and placed smoothly. If it falls, it may cause human injury or equipment damage.
- Store in a cool, dry and ventilated place, and do not approach radiation sources and heat sources.
- Do not cover or plug the ventilation holes in the back shell, and do not use them on beds, sofas, blankets or similar surfaces.

- The power supply voltage range of equipment operation is indicated on the label of the back shell. If the supplied voltage cannot be determined, consult the local power company.
- When the monitor is not used for a long time, please cut off the power supply to prevent the damage of the motor and abnormal power supply voltage in thunderstorm days.
- Do not overload the socket, which may cause fire and electric shock.
- Please do not put foreign bodies into the machine, which may cause short circuit or cause fire and electric shock.
- Please do not disassemble or repair this product by yourself. If there is any fault, please contact the after-sales service personnel directly.
- Please do not pull or twist the power cord excessively.

1.3 Securing the installation space

Make sure to have enough space for ventilation when placing the product. An internal temperature rise may cause fire and damage the product. Maintain enough space around the product as shown in the diagram when installing the product.



1.4 Protection recommendations:

Suggestions for eyes

In order to avoid eye fatigue and pain in neck, arms, back and shoulders caused by long-term use of the monitor, please pay attention to the following points:

- Place the monitor 20-28 inches away from both eyes (about 50-70cm).
- Use the monitor to keep the eyes moist or increase the blinking frequency.
- After using the monitor for 2 hours, please rest for 20 minutes.

- When resting, leave your eyes away from the monitor and look at the distance for 20 seconds.
- When resting, stretch or relieve your neck, arms, back and shoulders.

Low blue light description

The blue light wavelength is in the blue light band, and the display has the function of reducing blue light emission. Can select "eye protection mode" in the menu to protect your eyes.

Cleaning your monitor

To clean your screen, lightly dampen a soft, clean cloth with water. If possible, use a special screen-cleaning tissue or solution suitable for the anti static coating. Do not use benzene, thinner, ammonia, abrasive cleaners or compressed air.

1.5 Precautions for moving the product

- Do not directly apply pressure on the screen.
- Do not hold the screen when moving the product.

Chapter Ⅱ Preparation before use

2.1 Accessories:

Your monitor is equipped with the following components. Please check whether all parts have been received. If there are any omissions, please contact Koorui.

Monitor	**HDMI cable**	**Tpye-C cable**	**User Manual**

2.2 Interface and data line connection

Port	Interface Name	Port description
	Type-C	Connects to a PC using a Type-C cable. Connects to DC using a Type-C cable.
	MINI HDMI PORT	Connects to a PC using a HDMI cable.

Warm Tips:

- Does not support Type-C headphones.
- Use Mini HDMI to connect the display, and additional power supply is required to display normally.
- When there is only one Type-C connection, the maximum brightness is 50%; when you need to increase the brightness to 100%, you need to increase the power input.

Connecting and using a PC

- Choose the connection method that suits your PC.
- Connecting parts may vary from product to product.

Connecting and using source devices

Read below before installing the product.

- Before installing the product, check the shapes of both ports of the supplied signal cables and the shapes and locations of the ports on the product and external device.
- Before connecting signal cable, make sure you remove the power cables from both the product and the external device to prevent damage to the product due to a short circuit or over current.
- After all signal cables have been properly connected, connect the power cables back to the product and the external device.
- After installation is completed, make sure you read the user guide to acquaint yourself with the product functions, precautions and other information required to use the product properly.

Please read the user guide provided by the source device for the operation mode of the source device. The original device signal is abnormal. It is recommended to contact the source device manufacturer first.
If you need assistance, please contact Koorui after-sales staff.

2.3 Adjusting the product tilt

The monitor supports five angle applications.

Placement 1: Adjustable 67.4±3° with the horizontal plane

Placement 2: Adjustable 80.15±3° with the horizontal plane

Placement 3: Adjustable 69.35±3° with the horizontal plane

Placement 4: Adjustable 58.5±3° with the horizontal plane

Placement 5: Adjustable 45.00±3° with the horizontal plane

Chapter Ⅲ OSD function

The OSD function information table of this product is as follows. If there is any doubt about the operation process, please consult Koorui after-sales staff.

M	**Menu**	Long press 3S: Power off or Power on. Short press: Pop up the main menu / Enter the next menu. With progress bar, it is to return to the previous menu after confirmation.
M **Power light**	**Lamp**	Long light: normal power-on state; Blinking: Power saving standby state. Off: Monitor is off
+	**Left**	Display menu status： Without progress bar status, with selection down. With progress bar state, progress bar incremental. Without display menu state: brightness hotkey
-	**Right**	Display menu status： Without progress bar status, return to previous menu level or exit menu； With progress bar state, progress bar decrementing； Without display menu status: preset mode hotkey.

First order menu	Secondary menu	Tertiary menu	Description
Display	Brightness		Can adjust the brightness of your display by pressing the left and right key -/+.
	Contrast		Can adjust the Contrast of your display by pressing the left and right key -/+.
Color	Warm	/	When confirmed, Turn on warm color temperature mode.
	Cool	/	When confirmed, turn on cool color temperature mode.
	User	R	Adjust the red saturation level. The closer the value is to 100, the greater the color intensity is.
		G	Adjust the green saturation level. The closer the value is to 100, the greater the color intensity is.
		B	Adjust the red saturation level. The closer the value is to 100, the greater the color intensity is.
Input	HDMI		Select HDMI Signal Input.
	Type-C		Select Type-C Signal Input.
Function	Language	English	After confirmation , the OSD menu options will be changed to English language.
		Chinese	After confirmation , the OSD menu options will be changed to chinese language.
		French	After confirmation , the OSD menu options will be changed to French language.
		German	After confirmation , the OSD menu options will be changed to German language.
		Italiano	After confirmation , the OSD menu options will be changed to Italiano language.
		Spanish	After confirmation , the OSD menu options will be changed to Spanish language.

		Korean	After confirmation , the OSD menu options will be changed to Korean language.
		Japanese	After confirmation , the OSD menu options will be changed to Japanese language.
		Russian	After confirmation , the OSD menu options will be changed to Traditional Russian language.
		Traditional Chinese	After confirmation , the OSD menu options will be changed to Traditional Chinese language.
		Vietnamese	After confirmation , the OSD menu options will be changed to Traditional Vietnamese language.
		Portuguese	After confirmation , the OSD menu options will be changed to Traditional Portuguese language.
		Arabic	After confirmation , the OSD menu options will be changed to Traditional Arabic language.
	OD	**On**	Turn on OD acceleration, and GTG response time is 5ms.
		Off	Turn off OD acceleration.
	Power off	**On**	Turn on Auto power off after 1min.
		Off	Shutdown Auto power off after 1min.
	Reset		In addition to OSD language, you can reset your other option settings and revert to the factory settings of the product.

Precautions:

- When you are not watching movies or games, it is best to set the response time and mode to standard.
- Under dynamic contrast, brightness and contrast cannot be adjusted.
- Standard mode, get the clearest display effect, and adjust it according to your preference.
- Cinema mode, eye protection mode, FPS mode and RTS mode cannot adjust brightness and contrast.
- Eye protection mode cannot adjust color temperature.
- If you have any other questions, you can consult Koorui customer service staff.

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Chapter IV Common Applications

(In the case of Windows 10)

4.1 Resolution, and refresh rate settings

4.1.1 Resolution settings

Windows Settings → System → Screen → Display Resolution

4.1.2 Refresh rate setting

Windows Settings → System → Screen → Advanced Display Settings
→ Refresh Rate
In Multiple Screen Control, in Advanced Display Settings, select the display you want to set.

4.2 Display expansion

Screen expansion function setting.
Windows Settings → System → Screen → Multiple Display Settings
→ Select "Expand This Display"

4.3 Personalized fonts

(Including: blurred fonts, desktop fonts with colors)
Windows Settings → Personalize → Font → Adjust ClearType text and change Turn on ClearType.

Chapter V Q&A

- The following table lists some common monitor problems that you may encounter and their solutions.
- If you can't solve your difficulties, please contact Koorui customer services.
- Official website: *http://www.koorui.net/*
- E-mail: *support@koorui.net*

Problems	Solution measures can be taken
Blank spaces are found on all four sides of the screen when an HDMI or VGA cable is connected to the product and PC.	The blank spaces found on the screen have nothing to do with the product. Blank spaces on the screen are caused by the PC or graphics card. To resolve the problem, adjust the screen size in the HDMI or DP settings for the graphics card.If the graphics card settings menu does not have an option to adjust the screen size, update the graphics card driver to the latest version.(Please contact the graphics card or PC manufacturer for further details about how to adjust the screen settings.)
The power LED is off. The screen will not switch on.	Check that the power cable is connected properly. If a problem occurs with the monitor screen, run Self Diagnosis to check that the monitor is working properly.
Not Optimum Mode is displayed.	This message appears when the signal from the graphics card exceeds the maximum resolution or frequency for the product. Change the maximum resolution and frequency to suit the product performance.
The images on the screen look distorted.	Check the cable connection to the product.
The screen is not clear. The screen is blurry.	Remove any accessories (video extension cable, etc.) and try again. Set the resolution and frequency to the recommended level.
The screen appears unstable and shaky. There are shadows or ghost images left on the screen.	Check that the resolution and frequency for the PC are within the range of resolution and frequency compatible with the product. Next, if required, change the settings, referring to Standard Signal Mode.
The screen is too bright. The screen is too dark.	Adjust Brightness and Contrast.
Screen colour is inconsistent. The colours on the screen have a shadow and are distorted. White does not really look white.	Change the Color settings.
There is no image on the screen and the power LED blinks every 0.5 to 1 second.	The product is operating in power-saving mode. Press any key on the keyboard or move the mouse to return to normal operating mode. Observe whether the computer operates or restarts the device through the PC keyboard Cas Lock.

Video playback is choppy.	Playback of high-definition large video files can be choppy. This may be because the video player is not optimised for the PC resource. Try playing the file on another video player.
An energy efficiency prompt appears on the monitor or "XXS Power down. MENU Key Cancel" appears in the upper left corner of the monitor.	When you buy and sell European products, European regulations have energy efficiency requirements.
The monitor quickly goes to a black screen state (no display).	Under the power setting state, the monitor is turned off for a short time windows settings==>system==>power and sleep==>screen ==>Reset the TIME