



RackAccess

Installation guide



Specifications

Part Numbers

3115-00P-xx	RackAccess kvm console with 15" TFT Display
3115-00RP-xx	RackAccess kvm console with 15" TFT Display Reduced Length Version
3117-00P-xx	RackAccess kvm console with 17" TFT Display
3119-00P-xx	RackAccess kvm console with 19" TFT Display

xx represents country specific keyboard layouts

Physical Properties	Height	Width	Depth	Weight
RackAccess 15" TFT Display	4.32cm / 1.7"	48.26cm / 19"	51.51cm / 20.28"	13kg / 28.6lb
RackAccess 17" TFT Display	4.32cm / 1.7"	48.26cm / 19"	56.59cm / 22.28"	15kg / 33.0lb

Operation and

Storage parameters

	15" TFT Display	17" TFT Display
Operating Temperature:	0 ~ 40° C 32 ~104° F	0 ~ 40° C 32 ~104° F
Humidity:	10~85% RH non-condensing	10~85% RH non-condensing
Storage Temperature:	-20 ~ 60° C - 4 ~140° F	-20 ~ 60° C - 4 ~140° F
Humidity:	10~95% RH non-condensing	10~95% RH non-condensing

Connections

PC:	HD 15, PS/2 Keyboard, PS/2 Mouse
Power	IEC Female connector

Monitor	15" TFT Display	17" TFT Display
Display Area:	30.4 x 22.8 cm 12 x 9"	33.7 x 27.0 cm 13.7 x 10.64"
Scan frequency horizontal:	31.47K to 68KHz	31.47K to 68KHz
Scan frequency vertical:	60Hz to 85Hz	60Hz to 75Hz
Viewing Angle:	160° Horizontal, 160° Vertical	140° Horizontal, 110° Vertical
Pixels:	1024 x 768	1280 x 1024
Pixel pitch:	0.297 x 0.297 mm	0.264 x 0.264 mm
Picture tube:	15" TFT Active Matrix	17" TFT Active Matrix
Video:	Analog RGB 7Vp-p/75Ω	Analog RGB 0.7 Vp-p/75Ω
Sync:	Separate	Separate
Video Connector:	15pin Mini D-Sub	15pin Mini D-Sub

Keyboard

Keys	88 key keyboard & 17 key numeric keypad
Travel	3mm / 0.11"
Typing force	60g ± 20g / 2.11oz ± 0.70oz
Life cycle	10 million key presses

Touchpad

Compatibility	Industrial standard
Mouse button	Two key buttons
Life cycle	>1 million cycles

Operations

User Controls:	On/Off Power Button Contrast, Brightness, Select and adjust buttons
On Screen Display Adjustment	Auto-Adjustment Contrast, Balance Phase, Pixel clock TXT/GFX Selection Colour temperature & brightness
Control type	Digital

Power

Input	110-240 VAC (auto sensing) 48-62Hz
Consumption	35 Watts maximum (On) on 15" RackAccess 45 Watts maximum (On) on 17" RackAccess 1 Watt Power Saving Mode (Off)

Agency Approvals

EMI	FCC-A and CE
Emissions	MRP-II
Safety	UL, cUL
Energy Saving	EPA energy star, VESA DPMS

NOTE: This equipment complies with the requirements of European EMC directive 89/336 EEC in respect of EN55022 Class B, EN 50082-1 and EN 60555-2.

This equipment has been found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

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Revision 1.4



RackAccess

Introduction

The RackAccess is compact 1U high rack mountable TFT Screen, keyboard and mouse. With screens available in 3 sizes 15", 17" and 19"

Product Features

- Operating system independent, transparent to all applications.
- Plug and play system configuration.
- LCD panel size: 15", 17" or 19" depending on model.
- Keyboard layouts in English UK and US, German, French, Spanish, Swiss, Dutch, Danish, Russian, Swedish and Norwegian
- High VGA resolution 1024x768 on the 15" model and 1280x1024 on the 17" model and 1280x1024 on 19" model
- 88key keyboard + 17key numeric keypad
- Standard 19" Rack mounting accessories

High Video Quality

The RackAccess built in TFT LCD monitor supports resolution up to 1024x768 (15") or 1280x1024 (17"), with a colour depth to 16M (dithering). With automatic adjustment to easily configure your LCD setting for optimum video quality.

LCD monitor's OSD operation

Control Functions

The Monitor control functions are located right to the screen.

The control key description

- | | | |
|----|------|---|
| 1. | MENU | Activate the on screen display function |
| 2. | ▽ | Down / Brightness control |
| 3. | △ | Up / Brightness control |
| 4. | + | Increment / Contrast control |
| 5. | - | Decrement / Contrast control |
| 6. | ⏻ | Power Switch |

Description

1. Menu

Press the Menu key to activate the on screen display screen. It is a toggle key. Press twice to turn off the OSD. After 30 seconds idle time, the OSD screen will automatically turn off.

2. ▽ & △: Select key/ Brightness Control keys

The two keys have two sets of functions:

- When OSD screen is not activated, the two keys are used to adjust the brightness
- When OSD screen is activated (when "Menu" key is pressed), the two keys are used to select the required adjustment items

3. - & +: decrement & increment/ Contrast Control keys

The two keys have two sets of functions:

- When OSD screen is not activated, the two keys are used to adjust the contrast
- When OSD screen is activated (when "Menu" key is pressed), the two keys are defined to decrease or increase the values of each selected item.

4. Power switch

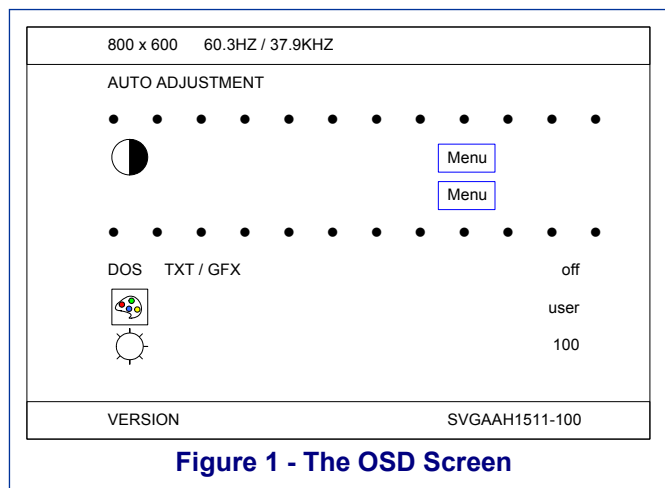
Use the power switch to turn ON or OFF power. We recommend turning your system on first, then the LCD monitor.

Adjusting the Monitor

The LCD monitor is designed to work with a range of compatible video adapters on the market. Due to the possible deviations between these video adapters, you may make some adjustment to fit the monitor for adapter used.

Adjustment Procedure

First, you must activate the OSD screen through pressing the MENU key, the screen will show in the centre of screen as below




Note: In the last paragraph, we will assume that you had already done this procedure and only explain how to change the setting.

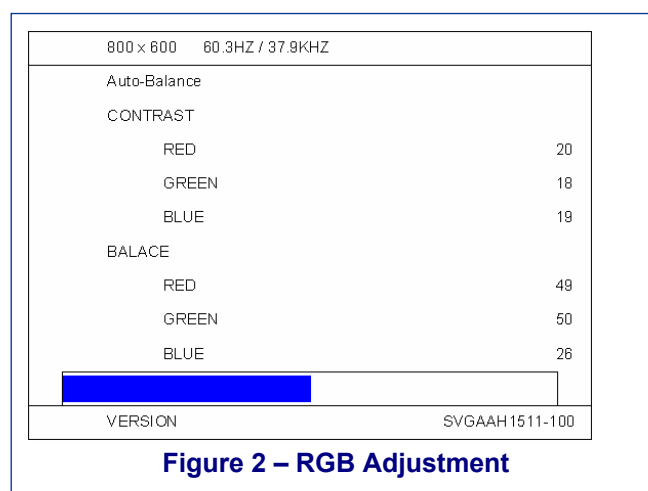
Use the ∇ & Δ key to select the required adjustment item up or down.
Use the $-$ & $+$ key to do the desired function or go into the second menu item to do the further change.

Auto-Adjustment

We strongly recommend that you use the Auto-Adjustment to get the optimized visual quality. Use the Δ & ∇ key to select auto-adjustment, then press $-$ or $+$ to get the optimized quality.

RGB Adjustment

Use the Δ & ∇ key to select the  icon, then press $-$ or $+$, the screen will display as below



Adjust the Contrast Value

Use the Δ & ∇ key to select the CONTRAST item, press $-$ or $+$ to get the best contrast optimization. You can adjust R, G, B, values simultaneous or R, G, B values individually, (you can use this item to change the RGB purity.)

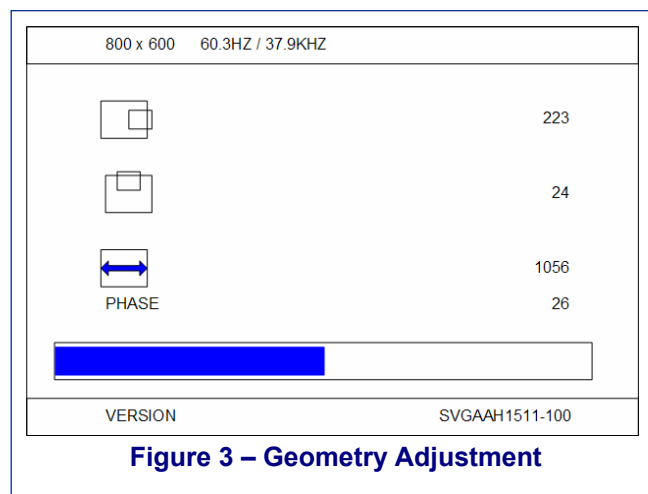
Colour Balance

Use the Δ & ∇ key to select the balance item, then press $-$ & $+$ to get the best colour balance effect or separate set the RGB colour value. (You can use this item to change the RGB intensity)

The easy way to adjust the contrast and colour balance setting is to use the auto-balance item.


Geometry Adjustment


Use the Δ & ∇ key to select the icon, then  press $-$ & $+$, then the screen will display as below



If you want to go back to the previous OSD menu screen, pressing the MENU key, you will see the OSD screen as shown in Figure 1.

Vertical & Horizontal Position adjustment

Use the Δ & ∇ key to move to the  icon, then press $-$ & $+$ to move the whole screen left or right to the centre position.

Use the Δ & ∇ key to move to the  icon, then press $-$ & $+$ to move the whole screen down or up to the centre position.

Adjust the viewing screen size

Use the Δ & ∇ key to move to the  icon, then press $-$ & $+$ to get the larger viewing size.

PHASE adjustment


Adjust phase tracking of display signal to reduce the display flicker. The invalid phase tracking will cause unstable and flicking display.

Use the Δ & ∇ key to move to the Phase item, then press $-$ & $+$ to get better image quality.


DOS TXT/GFX

Now, you can select the display mode as 640 x 400 (called graphic mode), or 720 x 400 (called Text mode).

Colour Temperature

We provide three modes, one is user mode, one is 6500 and the other is 9300. Use the Δ & ∇ key to move to the colour temperature, then press $-$ & $+$ to select the colour temperature setting. When set at 6500 or 9300, you can not change the  value.

Brightness Adjustment

Use the Δ & ∇ key to select the  icon then press $-$ & $+$ to change the brightness value.

The Display Resolution Setting

In the OSD screen, you will see the horizontal frequency (HF), vertical frequency (VF), display resolution (MODE) and the monitor firmware version (ROM LEVEL). It is automatically detected by the monitor, and you can not change this setting.

Service Information

Technical Support

If you cannot determine the nature of a problem, please call Daxten and ask for Technical Support. If possible, call from a phone located near the unit, as we may be able to solve your problem directly over the phone. If we cannot solve your problem, and determine that the fault is in the unit, we will issue a Return Material Authorisation (RMA) number that must appear on the outside of all returned products. The unit should be double-packed in the original container, insured, and shipped to the address given to you by our Technical Support representative. The Technical Support offices are found on the back of this manual.

Limited Warranty

Daxten warrants to the end user that this product is and will be free from defects in materials and workmanship for a period of 24 months from the date of purchase. If during the warranty period the product should fail, the purchaser must promptly call Daxten for a RETURN MATERIALS AUTHORIZATION (RMA) number. Make sure that the RMA number appears on the packing slip, proof of purchase, AND ON THE OUTSIDE OF EACH SHIPPING CARTON. Unauthorized returns or collect shipments will be refused.

Ship prepaid to the Daxten office (see back page) where you purchased your product. The above limited warranty is voided by occurrence of any of the following events, upon which the product is provided as is, with all faults, and with all disclaimers of warranty identified below:

1. If non-Daxten approved power supply or cabling is attached to the product.
2. If defect or malfunction was caused by abuse, mishandling, unauthorized repair, or use other than intended.
3. If unauthorized modifications were made to product.
4. If unreported damages occurred in any shipment of the product.
5. If damages were due to or caused by equipment or software not provided by Daxten.
6. If the product is used with non-grounded or incorrectly polarized AC power.
7. If the product is used in contradiction to any instruction provided by any User Guide or Instruction Sheet provided to you or with the product.

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Waste Electrical and Electronic Equipment (WEEE)



Within the European this symbol indicates that this product should not be disposed in household waste. It should be deposited at an appropriate facility to enable recovery and recycling. For information on how to recycle this product, please check with the reseller of the product that replaces this product "Take Back" or the original seller of this product.





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