DIGITUS®

USB-KVM SWITCH

DC-11403

DC-12402

USER MANUAL   REV. 1-0

Package Contents –
- DIGITUS DC-11403 or DC-12402 KVM Switch
- 1 User Manual
  Please contact your vendor if anything is missed.

Features
- Controls PCs with one USB keyboard, USB mouse and monitor respectively
- Supports USB 1.1 specification
- Supports speaker & microphone
- Supports Windows, Linux and Macintosh
- Superior video quality - Up to 1920 x 1440 pixel, DDC, DDC2, DDC2B, DDC2AB, 200MHz
- 3 ways for PC selection -- Push-button switch or hot key or mouse clicking
- Easy to install--No software required
- Hot Pluggable

Specifications

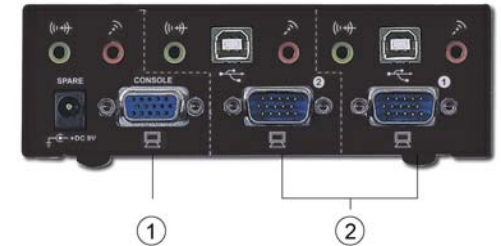| Function		DC-11403	DC-12402
PC Connectors		2	4
Port Selection		Push-button Switch / Hot Key / Mouse Clicking	
LEDs	On Line	2	4
	Selected	2	4
Connector -Keyboard, Mouse	Console Port	2x USB A-Type	
	CPU Port	2x USB B-Type	4x USB B-Type
Connector -Monitor	Console Port	1x HD-15 Female (Std. VGA/SVGA)	
	CPU Port	2x HD-15 Male (Std. VGA/SVGA)	4x HD-15 Male (Std. VGA/SVGA)
Connector -Audio,Mic. (Jack)	Console Port	1 x Audio, Microphone	
	CPU Port	2 x Audio, Mic.	4 x Audio, Mic.
VGA Resolution		Max. 1920x1440 pixel, DDC, DDC2, DDC2B, DDC2AB, 200MHz	
Power Adapter		DC 9V 300mA (Min.) spare	
Scan Interval		5 sec ~ 30 sec	
Housing		Metal	
Weight		460 g	650 g
Dimensions (LxWxH)		128x75x45 mm	200x75X45 mm

Hardware Requirements

	Required specifications
Console	One high resolution VGA, SVGA or Multisync monitor One USB mouse One USB keyboard One pair of speakers. One microphone.
PC	One VGA, SVGA or Multisync card One USB port One audio jack port. One microphone port.
Cable	Assmann AK 8210x and AK 8230x or similar

Appearance
Front View

1. Push-button Switches (Manual type)
2. Port LEDs
3. Console Keyboard and Mouse Connectors

Rear View

1. Console Monitor, Speaker and Microphone Connectors
2. CPU Port Connectors

Installation
Before the installation, make sure the peripherals of all PCs are grounded properly and turned off.

1. Connect the monitor, keyboard and mouse with the Console Port Connectors.
2. Use the recommended extension cables to connect the PCs with the CPU Ports of KVM Switch.
3. Turn on the PCs.

Operation

1. The function of LED display:

LED DISPLAY	DESCRIPTION
Light off	PC power off
Green light on	PC power on and connected
Green light on & Red light flashing	PC power on, connected and selected

Note: It occurs occasionally that the green light of LED display is on and the red light of LED display keeps flashing after shutting down the PC because of the PC default. The condition will not affect the regular operation of KVM switch.

2. 3 ways for PC selection – Push-button switch, hot key or mouse clicking

2.1 Push-button switch (Manual Type)
Press the button on front panel to switch the CPU ports. The red light of LED indicates which PC is selected.

2-2 Mouse clicking

Item	Operation	Function
DC-11403	[Middle button] + [Left Button] or [Middle button] + [Right Button]	Access between two PCs.
DC-12402	[Middle button] + [Left Button]	Switch to the previous PC.
DC-12402	[Middle button] + [Right Button]	Switch to the next PC.

Note: 2-Key Mouse is NOT applicable.

2-3 Hot Key option
Hot Key Navigation allows you to select PC from the keyboard directly.
Options for Hot Key Navigation:
▪ Select PC by Hot Key
▪ Command mode
▪ Auto scan mode
▪ Beep sound on/off option: Press [Right Shift] key twice to turn on or off the beep sound when needed.

▪ Select PC by Hot Key:
Press either left or right [Ctrl] key twice.

Item	Hot Key Operation	Function
DC-11403	[L Ctrl] + [L Ctrl] or [R Ctrl] + [R Ctrl]	Access between two PCs.
DC-12402	[L Ctrl] + [L Ctrl]	Switch to the previous PC.
DC-12402	[R Ctrl] + [R Ctrl]	Switch to the next PC.

▪ Command Mode:
Press [Num Lock] key twice, and the 3 keys [Num Lock], [Caps Lock] and [Scroll Lock] will flash to access the Command Mode.
a). Directly press the function key [F1] ~ [F2] for DC-11403 or [F1] ~ [F4] for DC-12402 to select PC.

b). Press [Left Ctrl] key to disable [Ctrl] and [Shift] hot key function.
c). Press [Right Ctrl] key to enable [Ctrl] and [Shift] hot key function.
d). Press [Left Shift] key to turn off the beep sound.
e). Press [Right Shift] key to turn on the beep sound.
f). Press [Left Win] key or mouse [Middle button] + [Left Button] to disable Mouse clicking function.
g). Press [Right Win] key or mouse [Middle button] + [Right Button] to enable Mouse clicking function.
h). Press [Left Alt] key to disable Auto skip function.
i). Press [Right Alt] key to enable Auto skip function.
j). Press [Esc] or [Enter] key to quit the mode.
Note:
[Ctrl] Hot Key function – Selecting PC ports.
[Shift] Hot Key function – Beep sound on/off.

▪ Auto Scan Mode:
Press [Scroll Lock] key twice to activate the Auto Scan Mode. The time scale of Auto Scan ranges from 5 to 30 seconds, and it can be recognized by the lights of the 3 keys [Num Lock], [Caps Lock] and [Scroll Lock] as the timetable below.
a). Press the right number key [+] to increase time scale.
b). Press the right number key [-] to decrease time scale.
c). Press [Esc] key to quit the mode.
Note: Light(s) corresponding timetable

Seconds	Num Lock	Caps Lock	Scroll Lock
5 seconds	Off	Off	On
10 seconds	On	Off	Off
15 seconds	On	Off	On
20 seconds	Off	On	Off
25 seconds	Off	On	On
30 seconds	On	On	Off

3. The boot-up default of DIGITUS KVM Switch is connected to your first activated PC.
4. When the PC is shut down under the function of "Auto skips over the power-off PC", it cannot be turned on again by keyboard.

Troubleshooting

Make sure the cables are qualified and positioned.
Q1 : **The keyboard does not respond accurately.**
A1a: Re-install the keyboard. Unplug the keyboard from the Console Port and plug it back again.
A1b: Re-install the DIGITUS KVM Switch. Shut down the PCs, unplug the cables from the DIGITUS KVM Switch and wait for five seconds. Then plug the cables back and activate the PCs.
A1c: When under Auto Scan Mode, please press [Esc] key to escape.

A1d: PCs can't supply the power to DIGITUS KVM Switch. Please attach a power adapter of DC9V 300mA with positive central polarity.
A1e: Try another keyboard.

Q2 : **The mouse does not respond accurately.**
A2a: Re-install the mouse. Unplug the mouse from the Console Port and plug it back again.
A2b: Re-install the DIGITUS KVM Switch. Shut down the PCs, unplug the cables from the DIGITUS KVM Switch, and wait for five seconds. Then plug the cables back and activate the PCs.
A2c: PCs can't supply the power to DIGITUS KVM Switch. Please attach a power adapter of DC9V 300mA with positive central polarity.
A2d: Try another mouse.

Q3: **The mouse is out of control.**
A3: The characteristic of the mouse is inefficient. Try another superior mouse and plug it back again. Start the operation after hearing the beep sound.

Q4: **There is the video problem.**
A4a: The setting of resolution or bandwidth is over high. DIGITUS KVM Switch supports the VGA, SVGA, Multisync and XGA (interlaced) with the resolution up to 1920 x 1440 Hz. The maximum bandwidth is 200 MHz.
A4b: The cable is unqualified. Please use the superior cables of   Assmann cables series.

Q5: **Why the green light of LED display is on and red light keeps flashing after shutting down the PC?**
A5: The condition is normal and caused from the PC default. The condition will not affect the regular operation of DIGITUS KVM switch.