



SCOUTcombo

Installation guide



Specifications

Part Numbers

1013-108 8 port KVM Switch 1013-116 16 port KVM Switch

Cables & Accessories

2094-02PU USB & PS/2 Cable Set 1.8m 2094-05PU USB & PS/2 Cable Set 5.0m
2094-03PU USB & PS/2 Cable Set 3.0m

Package Contents

1013-108	1013-116
9014-00A 5 v PSU	9014-00A 5 v PSU
Rackmount Brackets	Rackmount Brackets

Physical Properties

	Height	Width	Depth	Unit Weight
8 Port	4.5 cm	44.0 cm	15.7 cm	1.90 kg
16 Port	4.5 cm	44.0 cm	15.7 cm	1.90 kg

Operation and Storage parameters

Operating Temperature: 0~50° C (32 to 122° F)
Storage Temperature: -20~60° C (-4 to 140° F)
Humidity: 0~80% RH non-condensing
Power: Via External PSU.

Resolution

2048 x 1536 @ 85Hz

Selection Method

Push button, Hot Key (PS/2 or USB Keyboards) and On Screen Display

LED's

Red - PC selected. Green – PC on line.

Connections

Computer Ports

8 Port

Monitor 8 sets: HD 15 pin Female
Keyboard, Mouse USB & PS/2 signals combined

16 Port

16 sets: HD 15 pin Female
USB & PS/2 signals combined

Console Ports

Monitor	1 set: HD 15 pin Female	1 set: HD 15 pin Female
Keyboard	1 set: PS/2 6 pin mini DIN 1 set: USB A-type*	1 set: PS/2 6 pin mini DIN 1 set: USB A-type*
Mouse	1 set: PS/2 6 pin mini DIN 1 set: USB A-type*	1 set: PS/2 6 pin mini DIN 1 set: USB A-type*

* USB HID devices only

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Revision 1.0



SCOUTcombo

Introduction

Thank you for purchasing the SCOUTcombo Switch. This product will ensure easy and accurate control over 8 to 16 Servers through a single console. The SCOUTcombo is compatible with USB style computers. The SCOUTcombo supports high resolutions of up to 2048 x 1536 without any deterioration of the image quality. Switching between PCs can be accomplished in three ways: through keyboard Hot Key commands, the On Screen Display (OSD) or by using the convenient front panel PC selection buttons.

Product Features

- Allows a user to control 8 – 16 computers from one console.
- No additional software is required for operation.
- Supports Monitor resolutions of up to 2048 x 1536 @ 85Hz.
- Supports VGA, SVGA and MultiSync monitors.
- Select via Push-button, Keyboard Hot Key control or Menu Driven OSD
- Comes with Auto-Scan mode for convenient automatic switching.
- Front panel status LEDs give a clear indication of the active PC.
- Rack Mountable in 19" Rack (1U).
- Tri-Level Cascade, allowing up to 4096 Servers to controlled from one console.

Hardware Installation

Before connecting your computers and console devices to the SCOUTcombo switch, please ensure that all devices are powered off.

Note: USB keyboards with an integrated USB hub are not supported.



Rear Panel Layout 16-Port switch

Using the SCOUTcombo

The SCOUTcombo provides three methods to select the desired computer. You may either use the Select button on the unit, use the keyboard Hot Key commands, or use the Menu Driven OSD.

Keyboard Hot Key commands

To send Hot Key commands to the SCOUTcombo switch, press and release **Scroll Lock** **Scroll Lock** within 5 seconds. Press a command key followed by Enter, for the desired effect. The following commands are supported:

First Key	Second Key	Command Key	Command Result
Scroll Lock	Scroll Lock	Enter	Display's the OSD menu
Scroll Lock	Scroll Lock	1 Enter	Switches to PC connected to port 1
Scroll Lock	Scroll Lock	1 16 Enter	Switches to the desired PC
Scroll Lock	Scroll Lock	S Enter	Auto-Scan mode ON
Scroll Lock	Scroll Lock	H Enter	Console Lock
Scroll Lock	Scroll Lock	K Enter	Changes Hot Key- Cycles through Scroll Lock, Caps Lock or Ctrl as Hot Keys.

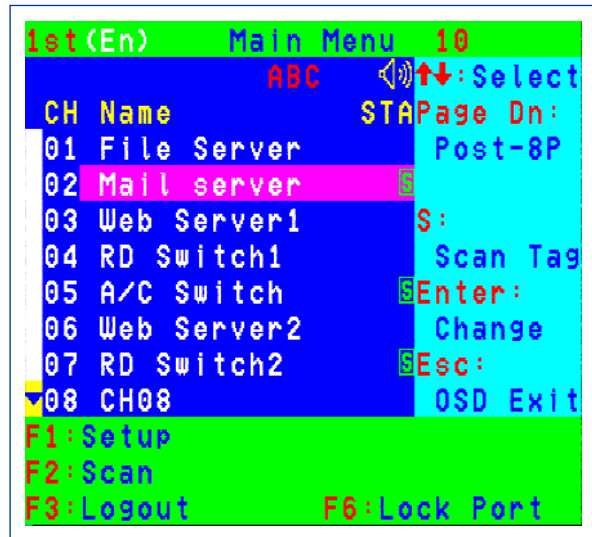
OSD menu

Press **Scroll Lock** **Scroll Lock** **Enter**, this will display the OSD's Main Menu

The OSD Main Menu shows the channel number, name, selected channel row (highlighted), Servers that are powered on and available (☐), Channels that are cascaded.

You can exit the OSD menu by pressing **Esc** or **Enter** to leave the OSD to the selected server.

You can use the **↑** and **↓** arrow keys to highlight a computer, and **Enter** will select it and leave the OSD.



Where a server is connected and powered on, the following symbol will appear ☐ and the corresponding front panel indicator will turn green.

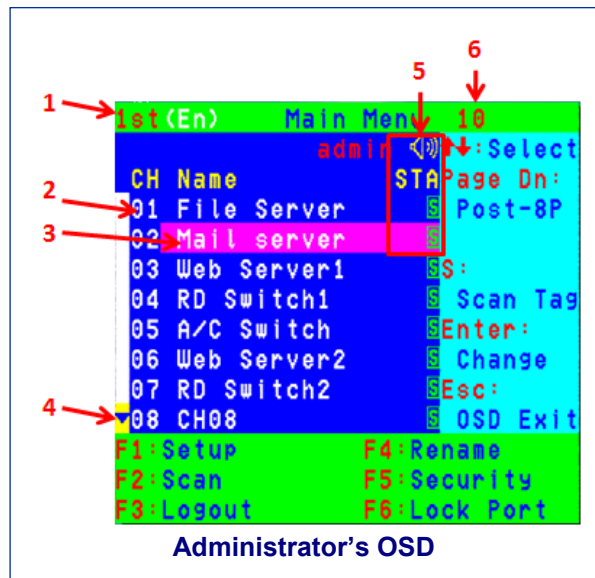
When a channel is cascaded a **+** will appear to the left of the name.

When running the OSD on a cascaded switch, a number will appear in the top left corner of the OSD menu (below the KVM layer number), indicating the parent port. E.g. 8 indicates that the switch is cascaded on port 8. On a master switch this will remain blank.

The Administrator OSD

1. KVM Layer No – 1st, 2nd or 3rd.
2. Cascaded channel number.
3. PC Name – User defined name (31 Characters)
4. Page Up / Page Down indicator (16 Port unit only)
5. PC Status
 - a Buzzer On
 - b Buzzer Off
 - L Locked Port
 - Computer Powered On
 - Channel Scan Function On
6. Current Channel Number

F1: Set up: basic set up menu
F2: Scan: autoscan function



F3: Lock: setup lock/unlock, and available when F5 Security is set 'ON'
F4: Rename: rename selected port name.
F5: Security: security function and user priority setting
F6: Lock Port: PC port lock function (administrator only)

F1: - Setup Mode.

Use the up / down arrow keys to move through the menu, and the left / right arrow keys to make changes.

Scan Mode:

Select - Scan through selected channels "S" as indicated on the main OSD menu in Status column.

PC ON - Scan through all powered servers only.

Scan Time:

5 seconds (default) to 90 seconds in 5 second increments.

Banner Time:

Sets the banner display time. – 5 seconds to 15 seconds in 5 second increments.

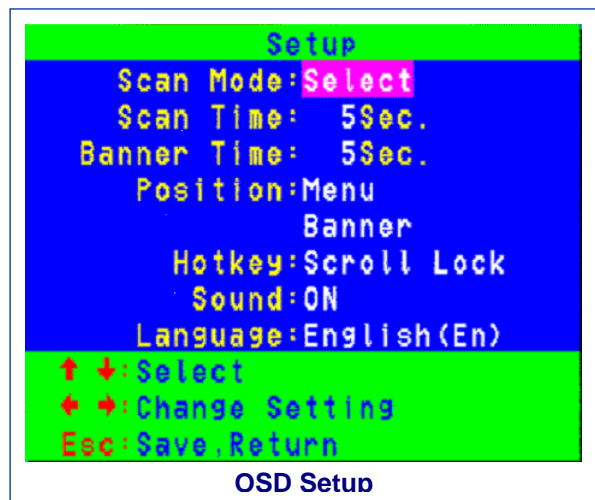
Position:

Menu - Allows you to set the position of the OSD menu, by using the arrow keys.

Banner - Allows you to set the position of the channel banner, by using the arrow keys.

Hotkey:

Allows selection of Hot Keys. Choices are **Scroll Lock**, **Caps Lock** or **Ctrl**



Note: Hot Keys can also be changed by the use of hot key command K.
e.g.: If the hot key is set to Scroll Lock, then **Scroll Lock** **Scroll Lock** **K** **Enter** will make **Caps Lock** or **Ctrl** the hot key.

Sound:

Enable (ON) or disables (OFF) the internal buzzer.

Language:

Sets language of the OSD menu. Choices are: English (En), Deutsch (De) or Francais (Fr).

F3: - Logout / Console Lock

When the console is in locked mode, the push buttons and the console will lock.

Security Mode Protected

Pressing any key on the keyboard will present an unlock window. This will only accept the correct password.

Name: JERRY
Password: []

Note: If you forget your password, then there is no way in which to disable the security and the switch will need to be returned to Daxten.

F4: - Rename.

Allows you to rename the PC / Server name shown on the OSD menu and channel banner.

F5: - Security Mode

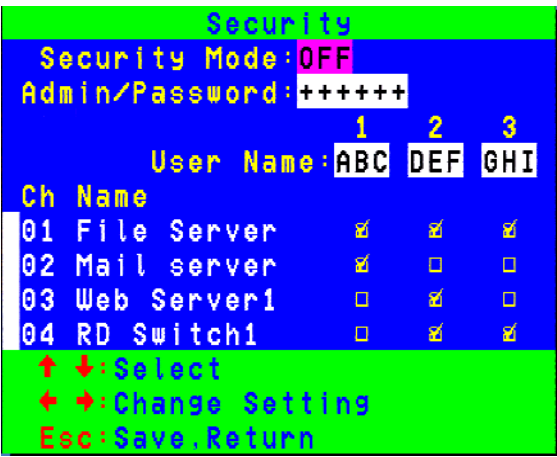
Entering the correct password enables the security function.

Admin. Password:

Note: The Default settings are User Name: **admin** Password: **123456**

After setting the security mode to ON, this automatically enables the Lock Mode (F3), and also allows the use of the Hot Key H command. This will lock the console and log the user off.

Only the Administrator can unlock the console.
Users will have access to servers for which they have rights to access.




Security
Security Mode: OFF
Admin/Password: ++++++

	1	2	3
User Name: ABC	DEF	GHI	
Ch Name			
01 File Server	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
02 Mail server	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
03 Web Server1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
04 RD Switch1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

↑ ↓: Select
← →: Change Setting
Esc: Save, Return

Security Setup



Security
Security Mode: OFF
Admin/Password: ++++++

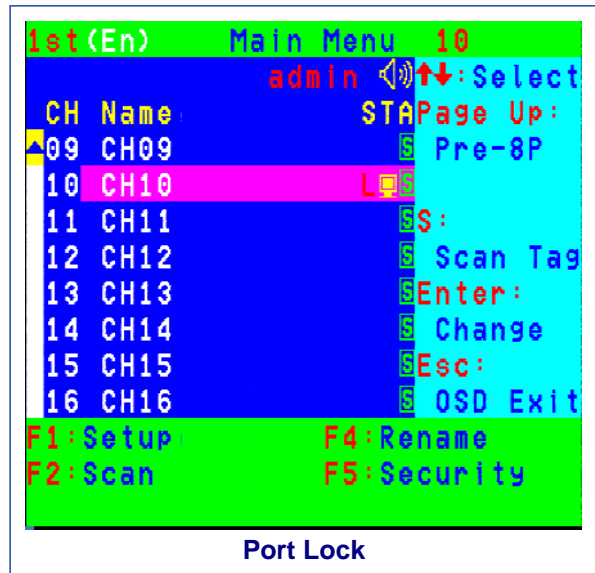
	1	2	3
User Name: ABC	DEF	GHI	
Ch Name			
01 File Server	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
02 Mail server	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
03 Web Server1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
04 RD Switch1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

↑ ↓: Select
A: ALL 1:U1 2:U2 3:U3
Esc: Save, Return

User Authorisation Setting

F6: - Lock Port

This blocks all access to the locked server. An "L" will be displayed in the Status column of the OSD menu. The port can be unlocked by selecting F6 from the OSD menu and keying in the password.



Channel Banner (Single Switch)

1. Channel Number. (PC No).
2. PC name (Channel)



Channel Banner (Cascaded Switches)

1. 1st Layer Channel Number. (PC No)
2. 2nd Layer Channel Number. (PC No).
3. Channel Number. (PC No).
4. PC name (Channel)



















Channel Banner (Scan Mode)

1. Scan Mode.
2. Channel Number. (PC No).
3. PC name (Channel)



SUN Combo keys

The SCOUTcombo can emulate some of the special SUN keys to perform special functions in the SUN Operating System environment. So when the SCOUTcombo is connected to a SUN computer, the switch emulates these SUN keys using a set of key combinations called Combo keys. See the table below.

SUN key	Combo key	SUN key	Combo key
Stop	Left  key Left Alt	Help	Left  key F11
Props	Left  key Left Ctrl	Compose	Left  key Left Shift
Front	Left  key F1	Mute	Left  key 1
Open	Left  key F2	Volume Down	Left  key 2
Find	Left  key F3	Volume Up	Left  key 3
Again	Left  key F4	Power	Left  key F12
Undo	Left  key F5		
Copy	Left  key F6		
Paste	Left  key F7		
Cut	Left  key F8		

Reset Switch

Press the reset switch to perform a system reset. This switch must be pushed with a thin object, for example, the end of a paper clip, or a ball point pen.

Cascading the SCOUTcombo

The SCOUTcombo can be cascaded up to three levels, enabling control of a maximum of 4096 servers. Cascaded units don't require any special configuration.

Setting up a cascaded installation:-

- Ensure all the switches being connected together are powered off.
- Use a USB & PS/2 Cable Set to connect the slave units of the master switch.
- Connect only the VGA and PS/2 ports on the slave units console ports.
- The master switch must be powered up first. The slave units can then be powered up.
- The master and slave switches will automatically configure themselves.

Selecting a cascaded port.

There are two methods for selecting a cascaded port:-

1. Use the OSD menu and selecting the channel for the slave switch and then the second slave switch or the server.
2. Using the hot key to access the port directly using the Hot Key D command.

Scroll Lock **Scroll Lock** **D** number **Enter**

Where you are cascading three layers you can access a server on the last layer directly

e.g. **Scroll Lock** **Scroll Lock** **D** 2 **D** 5 **D** 7 **Enter**

D2: layer 1 channel 2 links to

D5: layer 2 channel 5 links to

D7: layer 3 channel 7 selected

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 Union, 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.





DAXTEN®

*THE BRAINS BEHIND
KVM SWITCHING & SHARING*

www.daxten.com

Ireland

Bay 21
Free Zone West
Shannon, Co. Clare
info.ie@daxten.com
www.daxten.ie
Tel: +353 (0) 61 23 4000
Fax: +353 (0) 61 23 4099

Worldwide

info.eu@daxten.com
www.daxten.eu

USA

info.us@daxten.com
www.daxten.us

United Kingdom

5 Manhattan Business Park
Westgate
London W5 1UP
info.uk@daxten.com
www.daxten.co.uk
Tel: +44 (0) 20 8991 6200
Fax: +44 (0) 20 8991 6299

Österreich

Tenschert Str. 8
A-1230 Wien
info.at@daxten.com
www.daxten.at
Tel: +43 (0)1 879 77 65
Fax: +43 (0)1 879 77 65 30

Deutschland

Salzufer 16, Geb. B
10587 Berlin
info.de@daxten.com
www.daxten.de
Tel: +49 (0) 30 8595 37-0
Fax: +49 (0) 30 8595 37-99

Schweiz

Badenerstrasse 701
8048 Zürich
info.ch@daxten.com
www.daxten.ch
Tel: +41 (0) 43 321 73 93
Fax: +41 (0) 43 321 73 94

España

C/Florian Rey, 8
50002 Zaragoza
info.es@daxten.com
www.daxten.com.es
Tel: +34 902 197 662
Fax: +34 976 201 633

Sweden

info.se@daxten.com
www.daxten.se

Denmark

info.dk@daxten.com
www.daxten.dk

France

44, rue du Général Leclerc
91230 Montgeron
info.fr@daxten.com
www.daxten.fr
Tel: +33 (01) 69 40 04 05
Fax: +33 (01) 69 03 75 19