SIGNAMAX
CONNECTIVITY SYSTEMS

Signamax™ Connectivity Systems
Model:098-8280 & 098-82160
8/16-port Cascadable Rackmount KVM
Switch w/ OSD
Quick Installation Guide

Thank you for purchasing the 098-8080/098-82160 **Cascadable Rackmount KVM Switch**! With our highly reliable and quality product, user can enjoy countless benefits from using it.

098-8280/098-82160

Before you install

The default setting of the 098-8080/098-82160 **Rackmount KVM Switch** is appropriate for most systems. In fact, you do not have to make any configuration before installation. It's an out-of-the-box installation: Just connect and set up the cable connections for the KVM switch(es) and your computers, boot them up in correct sequence and you can start to operate immediately!
For a quick start on installation and operation, please follow the instructions below.

💡 The **correct boot up sequence** is ……
(1) **Power up your KVM switch(es) first**. If you want to set up multiple daisy-chained KVM switches, you have to power them all up and then perform the initialization (that is, perform a reset on the master KVM switch). Also remember to have the shared Keyboard, monitor and mouse connected to your master KVM switch before you power it up.
(2) After you have powered up your KVM switch (or powered up as well as initialized your daisy-chained KVM switches), you may **then power up your connected computers** …

Out-of-the-box Installation

Take the KVM Switch out of the box and begin installation…

⚡ Before connecting any cable to your KVM Switch, please make sure all of your computers and their peripherals have been powered off. Otherwise, the KVM Switch system might not be properly set up.
Step 1. Make sure all the computers that are to be connected to the KVM switch and their peripherals are powered off. If not, power them off before you proceed with the following steps.
Step 2. Connect the shared keyboard, monitor and mouse to the console connectors on the rear of your (master) KVM switch. Power on the KVM Switch by attaching the power adapter cord.

⚡ Although the power of the KVM Switch is constantly fed through the PS/2 interface, it is still necessary to have the external power adapter cord attached in order to provide sufficient power for both the OSD operation and the cascaded application. If the external power is not attached, the KVM Switch can only rely on minimal "interfaced" power supply, and the stability of the KVM system might be compromised.

💡⚡ If you use only a single KVM switch in non-cascaded application, you should ignore step 3, 4 and 5 and jump directly from step 2 to step 6.

💡⚡ If you want to daisy-chain multiple KVM Switches, go to step 3. You can daisy-chain up to 16 levels of KVM Switches with a maximum of 256 PCs connected.
Step 3. Use a daisy-chain cable (one that similar to the 3-in-1 combo cable) to connect the daisy-chain port of your master KVM Switch to the console port of the second KVM switch. Connect the power adapter cord to the second switch to power it on.
Step 4. If you have yet another switch to be daisy-chained, just repeat Step 3 to connect them. You can daisy-chain up to 16 units of KVM switches.
Step 5. Initialize the daisy-chained units by performing a reset on the *master* KVM switch. Press and hold down Button 1 for at least 2 seconds to reset the whole daisy-chained switches.
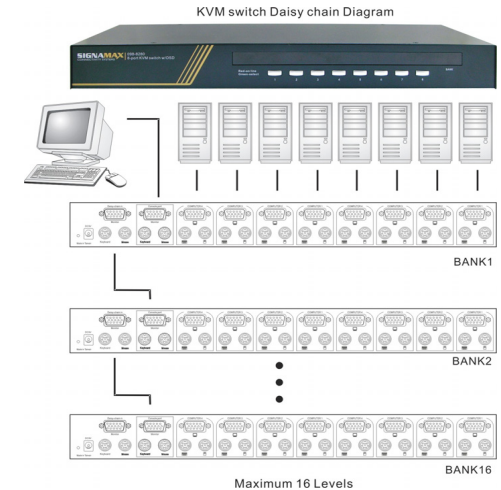
⚡ **DO NOT PRESS** Button 1 on any slave switch since this will initialize only the switches "downstream" from that slave switch you perform a reset on.

💡 **You can also use** the hotkey sequence: *ScrLk + ScrLk + End* for daisy-chain initialization.
Step 6. (*Now your KVM switch or daisy-chained KVM Switches should have been powered-up and initialized….*) Connect each of your computers to a PC port on the rear of the switch(es). You can use individual standard keyboard, mouse and video cables for connection, although the 3-in-1 combo cable is highly recommended for your convenience.

Step 7. Power up the connected computers. After your computer is powered up the keyboard and mouse will be recognized and now you can begin operating the switch.

⚡ **DO NOT TRY** to power up the computer first before you power up the KVM switch. Otherwise, the computer will have difficulty recognizing your shared keyboard and mouse.

KVM switch Daisy chain Diagram

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BANK1

BANK2

BANK16

Maximum 16 Levels

Easy Operation

There are three methods to select a specific computer (on a specific switch, if you have multiple daisy-chained KVM switches), using a *front-panel push button*, a *hotkey sequence* or an *OSD Menu* option.
Front-panel push buttons
The front-panel buttons let you have direct control over KVM switch operation and channel switching. Simply press a button to switch to its corresponding channel. *See Quick Reference Sheet*

Keyboard hotkeys
A keyboard hotkey sequence consists of at least three specific keystrokes: See Quick Reference Sheet
Hotkey sequence = **ScrLk** + **ScrLk** + *Command key(s)*
⚡ The two consecutive ScrLk keystrokes should be pressed within 2 seconds and the following command key(s) should also be pressed within 2 seconds in likewise manner. Otherwise, the hotkey sequence will not be validated.

💡 For detailed Hotkey sequences and their corresponding functional commands. *See Quick Reference Sheet*
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OSD Menu
To activate the OSD (*On Screen Display*) Menu, use the hotkey sequence:
        Activate OSD = *ScrLk + ScrLk + Space Bar*

Quick Reference Sheet

Command	Hotkeys	OSD control[1]	Front-panel	Description	User Guide
QUICK REFERNCE SHEET for KVM Switch Operation Commands Hotkeys/ OSD Menu / Front-Panel Buttons					
Select PC	ScrLk + ScrLk + (a) + (b) + (y) + (z) (ab = bank no. ; xy = channel no.)[2]	Cursor keys to navigate Enter to select	Press corresponding button yz on Switch ab for channel yz on bank ab.	Select the active bank (switch) and channel	Page 21
Next lower channel	ScrLk + ScrLk + ↑ (arrow up)	Cursor keys to navigate Enter to select	Press corresponding button	Select the next lower connected channel	Page 22
Next higher channel	ScrLk + ScrLk + ↓ (arrow down)	Cursor keys to navigate Enter to select	Press corresponding button	Select the next higher connected channel	Page 22
Next lower bank	ScrLk + ScrLk + PgUp	PgUp	Press corresponding button on that switch	Select the next lower bank (switch) when multiple switch units are daisy-chained together	Page 22
Next higher bank	ScrLk + ScrLk + PgDn	PgDn	Press corresponding button on that switch	Select the next higher bank (switch) when multiple switch units are daisy-chained together	Page 23
Autoscan Beep Sound On/Off	ScrLk + ScrLk + B	--	--	Toggle on/off the beep sound for switching confirmation while autoscanning	Page 23
Reflash EEPROM	ScrLk + ScrLk + R	--	--	Restore the EEPROM settings to the factory default	Page 23
Find PC by Name	ScrLk + ScrLk + F	--	--	Search the presence of a specific PC by its name	Page 24
Change PC Name	--	Cursor keys to navigate Enter (Ins) to select/edit PC name	--	Change the PC name	Page 25
Reset / Initialize KVM	ScrLk + ScrLk + End	--	Button 1 (Press and hold down for 2")	Reset the KVM Switch either for daisy-chain setup initialization or for switch system reboot.	Page 25
Show OSD Menu	ScrLk + ScrLk + (Space Bar)	--	--	Activate the OSD Menu on the console screen	Page 25
Autoscan	ScrLk + ScrLk + S	--	Last button (Press and hold down for 2")	Autoscan through every connected channel for quick screen browsing of each channel.	Page 25
Stop Autoscan	Any key	--	Press any push button	Terminate Autoscan activity	Page 25
Autoscan Delay	--	Cursor keys to navigate Enter/Ins to select and edit	--	Specify delay time within a range of 5 ~ 99 seconds (default = 10 sec.)	Page 26
OSD Remain Time	--	Cursor keys to navigate Enter/Ins to select and edit	--	Change the OSD Menu Remain Time	Page 26
Password Config[3]	--	Cursor keys to navigate Enter/Ins to select and edit	--	Enable/disable password protection	Page 26
Password Change[3]	--	Cursor keys to navigate Enter/Ins to select and edit	--	Change the password	Page 27

Notes:

1. OSD Menu control is only available when the OSD menu is activated on the screen. To activate the OSD menu, use the hotkey sequence ScrLk + ScrLk + (Space Bar). For detailed OSD operation reference, please refer to relevant sections in Chapter 3, *Operation of the User Manual.*

2. Note that a, b, y and z each denotes a number key. (ab) = 01 ~ 16 ; (yz) = 01 ~ 04 or 01 ~ 08 or 01 ~ 16. For example, ScrLk + ScrLk + 03 + 09 is for bank 3 port 9. When using a single KVM Switch configuration, the default bank no. is 01, therefore hit ScrLk + ScrLk + 01 + 12 for port 12 for a single KVM Switch configuration.

3. The factory default of password configuration is no password protection. And the password is default to 00000000.