CM1164

4-port USB DVI-D KVMP Control Center

RS-232 Commands

V1.4

User Manual

FCC Information

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy, and if not installed and used in accordance with the instruction manual, may cause interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna;
- Increase the separation between the equipment and receiver;
- Connect the equipment into an outlet on a circuit different from that which the receiver is connected;
- Consult the dealer or an experienced radio/television technician for help.

RoHS

This product is RoHS compliant.

SJ/T 11364-2006

The following contains information that relates to China.

部件名称	有毒有害物质或元素					
	铅	汞	镉	六价铬	多溴联苯	多溴二苯醚
电器部件	●	○	○	○	○	○
机构部件	○	○	○	○	○	○

○: 表示该有毒有害物质在该部件所有均质材料中的含量均在SJ/T 11363-2006规定的限量要求之下。

●: 表示符合欧盟的豁免条款，但该有毒有害物质至少在该部件的某一均质材料中的含量超出SJ/T 11363-2006的限量要求。

×: 表示该有毒有害物质至少在该部件的某一均质材料中的含量超出SJ/T 11363-2006的限量要求。

RS-232 Operation

Overview

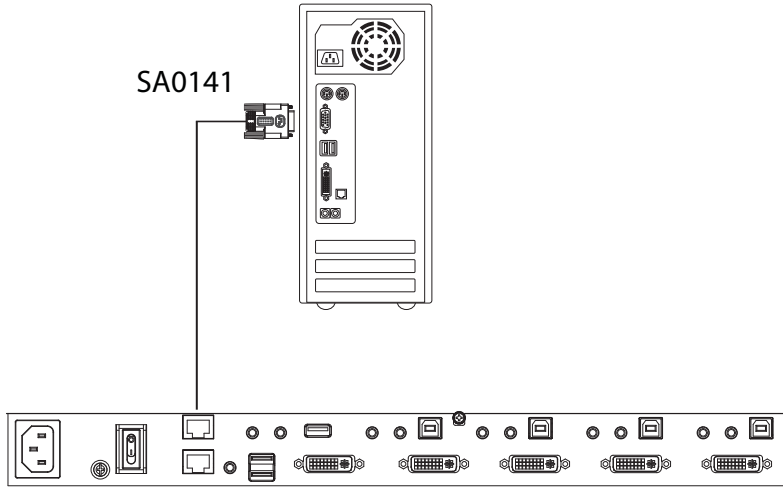
The CM1164's built-in bi-directional RS-232 serial interface allows system control through a high-end controller or PC. RS-232 serial operations in a CM1164 installation are managed via HyperTerminal sessions on systems that are running Windows. In order to use this feature to send commands to the CM1164, you must first download and install a HyperTerminal application. For more detailed instructions and information about each of the commands provided in this manual, please refer to the original CM1164 user manual.

Setup

Install a HyperTerminal application on a computer that is not part of the CM1164 setup, which will be connected and used to control the CM1164 via RS-232. HyperTerminal applications can be download from the internet, and many operating systems are embedded with HyperTerminal applications.

Hardware Connection

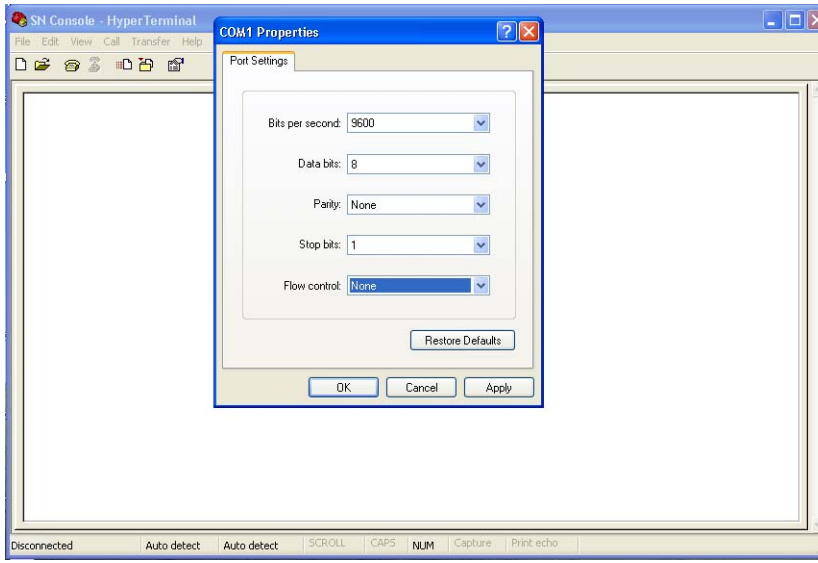
Use an RJ-45 to DB-9 serial adapter (SA0141) to connect the computer's serial port to the *DCC In* port of the CM1164, as shown below:



Console Login - HyperTerminal

Once a physical connection from the computer to the CM1164 has been made, you can establish a HyperTerminal session using the instructions below.

1. Open the *HyperTerminal* application, and configure the port settings for COM1 port, then click **OK**.



Bits per Second: **115200**, Data Bits: **8**, Parity: **None**, Stop bits: **1**, Flow Control: **None**.

2. When configured correctly, login using the following credentials: Login: **administrator**; password: **111111**.

RS-232 Commands

After you login via HyperTerminal (see *Console Login - HyperTerminal*, page 4), you can use the instructions below to send RS-232 commands to control the CM1164 from a remote system. For more detailed instructions and information about each of the RS-232 commands listed below, please refer to the original CM1164 user manual.

Verification

After entering a command, a verification message appears, as shown below, at the end of the command line, as follows:

Response Message	Description
Command OK	Command or parameter is correct.
Command incorrect	Command or parameter is incorrect.
NOT Login	Command sent without RS232 login.
login OK	Password correct and login successful.
login FAIL	Incorrect password.
SETTING OK	Some commands support the “save” parameter, so when you input “save” the system will check all current input commands and parameters, and a feedback message of “SETTING OK” will return if all commands and parameters are correct. Otherwise the system will return a “SETTING FAIL” message.
SETTING FAIL	Some commands support the “save” parameter, so when you input “save” the system will check all current input commands and parameters, and a feedback message of “SETTING FAIL” will return if a command or parameter is incorrect.

Login

The Login command allows you to login to the CM1164 and begin sending RS-232 commands. When you login the RS-232 link is “opened” and the CM1164 will not respond to front panel pushbuttons, hotkeys, OSD, or remote control commands - until the RS-232 link is closed (see *Open/Close RS-232 Link*, page 8). For username/password information, see *Security*, page 22. Use the **Formula** - to set **Parameters** - to create a **Command**.

Formulas:

Command + Control + Number + [Enter]

Parameters:

Command	Description
login	Login Command

Control	Description
p	Input password

Number	Description
xxxxxx	Sets 6 digit password, x= 0~9

Enter	Description
Enter	Enter and send out command

Login Command

The available formula for the Login command is as follows:

1. Command + Control + Number + [Enter]

For example, to login to the system with the password 123456, type the following:

login p123456 [Enter]

Note: Each command string can be separated with a space.

Logout

The Logout command allows you to logout of the CM1164 and close the RS-232 link. Use the **Formula** - to set **Parameters** - to create a **Command**.

Formulas:

Command + [Enter]

Parameters:

Command	Description
logout	Logout Command

Enter	Description
Enter	Enter and send out command

Logout Command

The available formula for the Logout command is as follows:

1. Command + [Enter]

For example, to logout of the CM1164, type the following:

logout [Enter]

Note: Each command string can be separated with a space.

Open/Close RS-232 Link

The Open/Close RS-232 Link command allows you to open/close the link between the computer sending RS-232 commands and the CM1164. When the link is “open” the CM1164 only accepts RS-232 commands and will not respond to front panel pushbuttons, hotkeys, OSD, or remote control commands - until the link is closed. The link opens when you login and closes after 2 minutes if no command is sent. Use the **Formula** - to set **Parameters** - to create a **Command**.

Formulas:

Command + [Enter]

Parameters:

Command	Description
open	Open RS-232 Link Command
close	Close RS-232 Link Command

Enter	Description
Enter	Enter and send out command

Open/Close RS-232 Link Command

The available formulas for the Open/Close RS-232 Link commands are as follows:

1. Command + [Enter]

For example, to open the RS-232 Link between the computer and CM1164, type the following:

open [Enter]

2. Command + [Enter]

For example, to close the RS-232 Link between the computer and CM1164, type the following:

close [Enter]

Switch Port

The switch port command allows you to switch between computers connected to the CM1164's ports. Use the **Formula** - to set **Parameters** - to create a **Command**.

Formula:

Command + Input Command + [Enter]

Parameters:

Command	Description
sw	Switch Port Command

Input Command	Description
px	Input port number, x= 1~4 (Default: 1) Example: p2

Enter	Description
Enter	Enter and send out command

Switch Port Commands

Some available formulas for the Switch Port commands are as follows:

1. Command + Input Command + [Enter]

For example, to switch to port 2, type the following:

sw p2 [Enter]

Note: 1. Each command string can be separated with a space.

2. The **Port Number** command string can be skipped, and the default value will be used.

PiP Mode

The PiP Mode command allows you to change the Picture in Picture display mode settings. Use the **Formula** - to set **Parameters** - to create a **Command**.

Formulas:

PiP Configuration Setting:

Command + Config1 + Config2 + Config3 + Config4 + Config5 + [Enter]

PiP Setting Execute:

Command + Execute + [Enter]

PiP Advance Setting:

Command + Control1 + Control2 + Config1 + Config2 + Execute + [Enter]

Parameters:

Command	Description
pip2	Picture in Picture Dual Mode
pip3	Picture in Picture Triple Mode
pip4	Picture in Picture Quad Mode

Control	Description
cxpy	c: Output channel, x= 1~4 p: Input port, y= 1~4 Example: c2p4

Config	Description
cxscanon	Enable channel scan under PiP3 mode only, x= 2~3 (Channel ID) Example: Pip3 c2scanon
cxalphaon	Enable channel alpha mode, x= 2~4 (Channel ID) Example: c3alphaon
cxalphaoff	Disable channel alpha mode, x= 2~4 (Channel ID) Example: c3alphaoff

Config	Description
cxsy	c: Change channel, x= 2~4 (Channel ID), s: Size, pip3~4: y= 1~3(size), pip2: y=1~4(size) *When pip2, x=2 pip3, x=2 or 3 pip4, x=2 or 3 or4
pbpon	Enable pbp mode
pbpoff	Disable pbp mode

Execute	Description
save	Save setting to KVM switch
default	Reset settings to default Example: pip2= c1p1 c2p2 Example: pip3= c1p1 c2p2 c3p3 Example: pip4= c1p1 c2p2 c3p3 c4p4

Enter	Description
Enter	Enter and send out command

PiP Mode Commands

Some available formulas for PiP Mode commands are as follows:

1. Command + Config1 + [Enter]

For example, to Enable Channel Scan for Picture in Picture Triple Mode, type the following:

pip3 c2scanon [Enter]

Note: 1. Each command string can be separated with a space.

2. The **Port Number** command string can be skipped, and the default value will be used.

Quad View Mode

The Quad View Mode command allows you to change the Quad View display mode settings. Use the **Formula** - to set **Parameters** - to create a **Command**.

Formulas:

Command + Control1 + Control2 + Control3 + Control4 + [Enter]

Reset to Default:

Command + Control + [Enter]

Parameters:

Command	Description
quad	Quad View Mode Command

Control	Description
cxpy	c: Output channel, x= 1~4 p: Input port, y= 1~4 Example: c2p4
default	Resets Quad View Mode back to the default setting Example: c1p1~c4p4

Enter	Description
Enter	Enter and send out command

Quad View Mode Commands

Some available formulas for Quad View Mode commands are as follows:

1. Command + Control1 + Control2 + Control3 + Control4 + [Enter]

For example, to set Quad View Mode you must configure the four channels, as follows:

quad c1p1 c2p2 c3p3 c4p4 [Enter]

2. Command + Default + [Enter]

For example, to set Quad View Mode to the default settings, type the following:

quad default [Enter]

Note: Each command string can be separated with a space.

Change Display Mode

The Change Display Mode command allows you to change the Display mode being used. Use the **Formula** - to set **Parameters** - to create a **Command**.

Formula:

Command + Control + [Enter]

Parameters:

Command	Description
display	Change Display Mode Command

Control	Description
full	Enable console port to full screen display
quad	Enable Quad display mode, console port focus remains the same
pip2	Enable PiP Dual display, console port focus remains the same on channel 1, and channel 2, displays the video of the port next to the console port being displayed
pip3	Enable PiP Triple display, console port focus remains the same on channel 1, with channel 2 and channel 3 displaying the video of the ports next to the console port being displayed
pip4	Enable PiP Quad display, console port focus remains the same on channel 1, with channel 2, channel 3, and channel 4 displaying the video of the ports next to the console port being displayed

Enter	Description
Enter	Enter and send out command

Change Display Mode Commands

Some available formulas for Change Display Mode commands are as follows:

1. Command + Control + [Enter]

For example, to set the Quad display mode, type the following:

display quad [Enter]

(Continues on next page.)

(Continued from previous page.)

2. Command + Control + [Enter]

For example, to set Picture in Picture Triple display mode, type the following:

display pip3 [Enter]

Note: Each command string can be separated with a space.

Port Disable

The Port Disable command allows you to disable a ports display from being shown. Use the **Formula** - to set **Parameters** - to create a **Command**.

Formula:

Command + Control + Control + [Enter]

Parameters:

Command	Description
chn	Port Disable Command

Control	Description
px	Disable video out of port number, x= 1~4 Example: p3
on	Disable channel display
off	Enable channel display

Enter	Description
Enter	Enter and send out command

Port Disable Commands

Some available formulas for Disable Port commands are as follows:

1. Command + Control + Control + [Enter]

For example, to set disable the video output of port 4, type the following:

chn p4 on [Enter]

2. Command + Control + Control + [Enter]

For example, to set enable the video output of port 1, type the following:

chn p1 off [Enter]

Note: Each command string can be separated with a space.

OSD Language

The OSD Language command allows you to change the OSD language setting. Use the **Formula** - to set **Parameters** - to create a **Command**.

Formula:

Command + Control + [Enter]

Parameters:

Command	Description
lang	OSD Language Command

Control	Description
us	Change OSD language to English
ger	Change OSD language to German
fr	Change OSD language to French
jp	Change OSD language to Japanese
tc	Change OSD language to Traditional Chinese

Enter	Description
Enter	Enter and send out command

OSD Language Commands

Some available formulas for OSD Language commands are as follows:

1. Command + Control + [Enter]

For example, to change the OSD Language to Traditional Chinese, type the following:

lang tc [Enter]

2. Command + Control + [Enter]

For example, to change the OSD Language to French, type the following:

lang fr [Enter]

Note: Each command string can be separated with a space.

Keyboard Language Layout

The Keyboard Language Layout command allows you to change the keyboard language layout. Use the **Formula** - to set **Parameters** - to create a **Command**.

Formula:

Command + Control + [Enter]

Parameters:

Command	Description
layout	Keyboard Language Layout Command

Control	Description
en	Change the keyboard language layout to English
fr	Change the keyboard language layout to French
jp	Change the keyboard language layout to Japanese

Enter	Description
Enter	Enter and send out command

Keyboard Language Layout Commands

Some available formulas for Keyboard Language Layout commands are as follows:

1. Command + Control + [Enter]

For example, to change the keyboard language layout to Japanese, type the following:

layout jp [Enter]

2. Command + Control + [Enter]

For example, to change the keyboard language layout to French, type the following:

layout fr [Enter]

Note: Each command string can be separated with a space.

Set Operating System

The Set Operating System command allows you to set the operating system for a port. Use the **Formula** - to set **Parameters** - to create a **Command**.

Formula:

Command + Control + Control1 + [Enter]

Parameters:

Command	Description
os	Set Operating System Command

Control	Description
px	p: Port number, x= 1~4 Example: p2

Control1	Description
auto	Change operating system to Auto Detect
mac	Change operating system to Mac
sun	Change operating system to Sun
spc	Change operating system to SPC (Linux)

Enter	Description
Enter	Enter and send out command

Set Operating System Commands

Some available formulas for Set Operating System commands are as follows:

1. Command + Control + Control1 + [Enter]

For example, to change port 3's operating system to Mac, type the following:

os p3 mac [Enter]

2. Command + Control + Control1 + [Enter]

For example, to change port 2's operating system to Auto Detect, type the following:

os p2 auto [Enter]

Note: Each command string can be separated with a space.

Auto Scan

The Auto Scan command allows you to set and enable Auto scan mode. Use the **Formula** - to set **Parameters** - to create a **Command**.

Formulas:

Command + Control + [Enter]

Set Scan Duration:

Command + Control + Number + [Enter]

Parameters:

Command	Description
scan	Auto Scan Command

Control	Description
all	Auto scan all ports
pon	Auto scan all ports with computers powered on
txx	Sets the KVM focus duration when scanning, xx= 01~99 seconds Example: t33

Enter	Description
Enter	Enter and send out command

Auto Scan Commands

Some available formulas for Auto Scan commands are as follows:

1. Command + Control + [Enter]

For example, to auto scan all ports, type the following:

scan all [Enter]

2. Command + Control + Number + [Enter]

For example, to set the scan's focus on each port for a duration of 44 seconds before continuing on, type the following:

scan t44 [Enter]

Note: Each command string can be separated with a space.

Port ID Display

The Port ID Display command allows you to change the port ID numbers displayed for each port. Use the **Formula** - to set **Parameters** - to create a **Command**.

Formulas:

Command + Control + [Enter]

Set Port ID and Display Duration:

Command + Control + Number + [Enter]

Parameters:

Command	Description
portid	Port ID Display Command

Control	Description
pxxx	Change port, x= 1~4 (Port Number) xx= 1~99 (New Port Number) Example: p478
default	Reset all port ID's to the factory default
txx	Set ID display duration, xx= 01~99 seconds Example: t55

Enter	Description
Enter	Enter and send out command

Port ID Display Commands

Some available formulas for Port ID Display commands are as follows:

1. Command + Control + [Enter]

For example, to set all port ID's to the factory default, type the following:

portid default [Enter]

2. Command + Control + Number + [Enter]

For example, to change port 4's ID number to 37, type the following:

portid p437 [Enter]

(Continues on next page.)

(Continued from previous page.)

3. Command + Control + Number + [Enter]

For example, to set the port ID display duration for 88 seconds, type the following:

portid t88 [Enter]

Note: Each command string can be separated with a space.

Security

The Security command allows you to enable/disable and change security settings used to login. Use the **Formula** - to set **Parameters** - to create a **Command**.

Formulas:

Command + Control + [Enter]

Set Password:

Command + Control + Number + [Enter]

Parameters:

Command	Description
security	Security Command

Control	Description
us	Set user password
pu	Set power user password
ad	Set administrator password
off	Disable security function
on	Enable security function

Number	Description
xxxxxx	Sets 6 digit password, x= 0~9

Enter	Description
Enter	Enter and send out command

Security Settings

The default passwords are as follows:

- Administrator - 111111
- Power User - 222222
- User - 333333
- Guest - 000000

When Security is enabled, the Guest account will be disabled automatically to secure the CM1164. When Security is disabled only the Guest account can be used to login.

Security Commands

Some available formulas for Security commands are as follows:

1. Command + Control + [Enter]

For example, to enable the security function, type the following:

security on [Enter]

2. Command + Control + Number + [Enter]

For example, to change the administrator password to 888666, type the following:

security ad888666 [Enter]

3. Command + Control + Number + [Enter]

For example, to change the power user password to 999555, type the following:

security pu999555 [Enter]

Note: Each command string can be separated with a space.

Station

The Station command allows you to switch the console focus to the next station in a daisy chain setup. Use the **Formula** - to set **Parameters** - to create a **Command**.

Formulas:

Command + Control + Number + [Enter]

Parameters:

Command	Description
station	Station Command

Control	Description
id	Station ID

Number	Description
x	Station number of switch in daisy chain, x= 1~4

Enter	Description
Enter	Enter and send out command

Station Commands

An available formula for the Station command is as follows:

1. Command + Control + Number + [Enter]

For example, to switch the console to station 2 of a daisy chain, type the following:

station id2 [Enter]

Note: Each command string can be separated with a space.

DCC Control

The DCC Control command allows you to set the DCC Control mode. Use the **Formula** - to set **Parameters** - to create a **Command**.

Formulas:

Command + Control + [Enter]

Parameters:

Command	Description
dcc	DCC Control Command

Control	Description
clone	Sets the default DCC clone mode
off	Disables DCC function
on	Enables DCC function

Enter	Description
Enter	Enter and send out command

DCC Control Commands

Some available formulas for DCC Control commands are as follows:

1. Command + Control + [Enter]

For example, to set the default DCC clone mode, type the following:

dcc clone [Enter]

2. Command + Control + [Enter]

For example, to enable DCC control, type the following:

dcc on [Enter]

Note: Each command string can be separated with a space.

Mouse Emulation

The Mouse Emulation command allows you to set mouse emulation and mouse switching features. Use the **Formula** - to set **Parameters** - to create a **Command**.

Formulas:

Command + Control + [Enter]

Set Mouse Switching:

Command + Control2 + [Enter]

Parameters:

Command	Description
msemu	Mouse Emulation Command

Control	Description
off	Disable mouse emulation function
on	Enable mouse emulation function

Control2	Description
wheeloff	Disable mouse switching function
wheelon	Enable mouse switching function

Enter	Description
Enter	Enter and send out command

Mouse Emulation Commands

Some available formulas for Mouse Emulation commands are as follows:

1. Command + Control + [Enter]

For example, to disable mouse emulation, type the following:

msemu off [Enter]

2. Command + Control2 + [Enter]

For example, to enable mouse switching, type the following:

msemu wheelon [Enter]

Note: Each command string can be separated with a space.

Keyboard Emulation

The Keyboard Emulation command allows you to enable/disable the keyboard emulation feature. Use the **Formula** - to set **Parameters** - to create a **Command**.

Formulas:

Command + Control + [Enter]

Parameters:

Command	Description
kbemu	Keyboard Emulation Command

Control	Description
off	Disable keyboard emulation function
on	Enable keyboard emulation function

Enter	Description
Enter	Enter and send out command

Keyboard Emulation Commands

Some available formulas for Keyboard Emulation commands are as follows:

1. Command + Control + [Enter]

For example, to disable keyboard emulation, type the following:

kbemu off [Enter]

2. Command + Control + [Enter]

For example, to enable keyboard emulation, type the following:

kbemu on [Enter]

Note: Each command string can be separated with a space.

Video Dynasync

The Video Dynasync command allows you to set EDID settings. Use the **Formula** - to set **Parameters** - to create a **Command**.

Formulas:

Command + Control + [Enter]

Parameters:

Command	Description
vds	Video Dynasync Command

Control	Description
default	Set the default EDID
reload	A trigger to force the switch to reload the EDID from the connected display
off	Disable the EDID reflash function, pass-through EDID from previous connected display or use default EDID
on	The device will enable EDID detection from the connected display every 3 secs after it is powered on

Enter	Description
Enter	Enter and send out command

Video Dynasync Commands

Some available formulas for Video Dynasync commands are as follows:

1. Command + Control + [Enter]

For example, to set the default EDID setting, type the following:

vds default [Enter]

2. Command + Control + [Enter]

For example, to enable EDID detection, type the following:

vds on [Enter]

Note: Each command string can be separated with a space.

Hardware Cursor

The Hardware Cursor command allows you to enable/disable the hardware cursor feature. Use the **Formula** - to set **Parameters** - to create a **Command**.

Formulas:

Command + Control + [Enter]

Parameters:

Command	Description
hc	Hardware Cursor Command

Control	Description
off	Disable the hardware cursor
on	Enable the hardware cursor

Enter	Description
Enter	Enter and send out command

Hardware Cursor Commands

Some available formulas for Hardware Cursor commands are as follows:

1. Command + Control + [Enter]

For example, to enable the hardware cursor, type the following:

hc on [Enter]

2. Command + Control + [Enter]

For example, to disable the hardware cursor, type the following:

hc off [Enter]

Note: Each command string can be separated with a space.

Activate Beeper

The Activate Beeper command allows you to enable/disable the beeper function. Use the **Formula** - to set **Parameters** - to create a **Command**.

Formulas:

Command + Control + [Enter]

Parameters:

Command	Description
beeper	Activate Beeper Command

Control	Description
off	Disable beeper
on	Enable beeper

Enter	Description
Enter	Enter and send out command

Activate Beeper Commands

Some available formulas for Activate Beeper commands are as follows:

1. Command + Control + [Enter]

For example, to enable the beeper, type the following:

beeper on [Enter]

2. Command + Control + [Enter]

For example, to disable the beeper, type the following:

beeper off [Enter]

Note: Each command string can be separated with a space.

Hotkey Setting

The Hotkey Setting command allows you to enable/disable and change the hotkey used to invoke the HSM (Hotkey Setting Mode). Use the **Formula** - to set **Parameters** - to create a **Command**.

Formulas:

Command + Control + [Enter]

Parameters:

Command	Description
hotkey	Hotkey Setting Command

Control	Description
num	Change the HSM invoke key to: [Num Lock] + [-]
f12	Change the HSM invoke key to: [Ctrl] + [F12]
off	Disable hotkey function
on	Enable hotkey function

Enter	Description
Enter	Enter and send out command

Hotkey Setting Commands

Some available formulas for Hotkey Setting commands are as follows:

1. Command + Control + [Enter]

For example, to enable the hotkey function, type the following:

hotkey on [Enter]

2. Command + Control + [Enter]

For example, to change the HSM invoke key to [Ctrl] + [F12], type the following:

hotkey f12 [Enter]

Note: Each command string can be separated with a space.

OSD Hotkey

The OSD Hotkey command allows you to change the hotkey used to invoke the OSD. Use the **Formula** - to set **Parameters** - to create a **Command**.

Formulas:

Command + Control + [Enter]

Parameters:

Command	Description
osdkey	OSD Hotkey Command

Control	Description
scroll	Change OSD invoke key to: [Scroll] [Scroll]
ctrl	Change OSD invoke key to: [Ctrl] [Ctrl]

Enter	Description
Enter	Enter and send out command

OSD Hotkey Commands

Some available formulas for OSD Hotkey commands are as follows:

1. Command + Control + [Enter]

For example, to change the OSD invoke key to [Scroll] + [Scroll], type the following:

osdkey scroll [Enter]

2. Command + Control + [Enter]

For example, to change the OSD invoke key to [Ctrl] + [Ctrl], type the following:

osdkey ctrl [Enter]

Note: Each command string can be separated with a space.

Power on Detection

The Power on Detection command allows you to enable/disable the power on detection feature. Use the **Formula** - to set **Parameters** - to create a **Command**.

Formulas:

Command + Control + [Enter]

Parameters:

Command	Description
pod	Power on Detection Command

Control	Description
on	Enable power on detection function
off	Disable power on detection function

Enter	Description
Enter	Enter and send out command

Power on Detection Commands

Some available formulas for Power on Detection commands are as follows:

1. Command + Control + [Enter]

For example, to enable power on detection, type the following:

pod on [Enter]

2. Command + Control + [Enter]

For example, to disable power on detection, type the following:

pod off [Enter]

Note: Each command string can be separated with a space.

Fn Key

The Fn Key command allows you to save and select Fn keys for a focused ports display settings. Use the **Formula** - to set **Parameters** - to create a **Command**.

Formulas:

Command + Control + Enter

Command + Control + Number + [Enter]

Parameters:

Command	Description
fn	Fn Key Command

Control	Description
savex	Save display setting for current port focus, x= 1~4 Example: save3
default	Restore all Fn key settings to the default
selectx	Enable display setting for current port focus, x= 1~4 Example: select2

Enter	Description
Enter	Enter and send out command

Fn Key Commands

Some available formulas for Fn Key commands are as follows:

1. Command + Control + Number + [Enter]

For example, to save the display setting and current port focus as Fn1, type the following:

fn save1 [Enter]

2. Command + Control + [Enter]

For example, to set all Fn keys back to the default, type the following:

fn default [Enter]

Note: Each command string can be separated with a space.

USB Reset

The USB Reset command allows you to reset the USB connection. Use the **Formula** - to set **Parameters** - to create a **Command**.

Formulas:

Command + Control + [Enter]

Parameters:

Command	Description
usbreset	USB Reset Command

Control	Description
on	Enable USB reset connection

Enter	Description
Enter	Enter and send out command

USB Reset Command

The available formula for the USB Reset command is as follows:

1. Command + Control + [Enter]

For example, to reset the USB connection, type the following:

usbreset on [Enter]

Note: Each command string can be separated with a space.

Restore Default Value

The Restore Default Value command allows you to reset all of the CM1164's settings back to the default. Use the **Formula** - to set **Parameters** - to create a **Command**.

Formulas:

Command + Control + [Enter]

Parameters:

Command	Description
redefault	Restore Default Value Command

Control	Description
on	Enable restore default values

Enter	Description
Enter	Enter and send out command

Restore Default Value Command

The available formula for the Restore Default Value command is as follows:

1. Command + Control + [Enter]

For example, to restore all CM1164 settings back to the default, type the following:

redefault on [Enter]

Note: Each command string can be separated with a space.

Firmware Upgrade

The Firmware Upgrade command allows you to enable the firmware upgrade mode. Use the **Formula** - to set **Parameters** - to create a **Command**.

Formulas:

Command + Control + [Enter]

Parameters:

Command	Description
upgrade	Firmware Upgrade Command

Control	Description
on	Enable firmware upgrade mode

Enter	Description
Enter	Enter and send out command

Firmware Upgrade Command

The available formula for the Firmware Upgrade command is as follows:

1. Command + Control + [Enter]

For example, to enable firmware upgrade mode, type the following:

upgrade on [Enter]

Note: Each command string can be separated with a space.

KVM Status

The KVM Status command allows you to display read-only information about the CM1164's current configuration status. Use the **Formula** - to set **Parameters** - to create a **Command**.

Formulas:

Command + [Enter]

Parameters:

Command	Description
status	KVM Status Command

Enter	Description
Enter	Enter and send out command

KVM Status Command

The available formula for the KVM Status command is as follows:

1. Command + [Enter]

For example, to display the CM1164's configuration status, type the following:

status [Enter]

Hotkey List

The Hotkey List command allows you to display a list of the KVM's hotkeys. Use the **Formula** - to set **Parameters** - to create a **Command**.

Formulas:

Command + [Enter]

Parameters:

Command	Description
list	Hotkey List Command

Enter	Description
Enter	Enter and send out command

Hotkey List Command

The available formula for the Hotkey List command is as follows:

1. Command + [Enter]

For example, to display the KVM's hotkey list, type the following:

list [Enter]

Info

The Info command allows you to display the CM1164's current firmware version and copyright information. Use the **Formula** - to set **Parameters** - to create a **Command**.

Formulas:

Command + [Enter]

Parameters:

Command	Description
info	Info Command

Enter	Description
Enter	Enter and send out command

Info Command

The available formula for the Info command is as follows:

1. Command + [Enter]

For example, to display the CM1164's device information, type the following:

info [Enter]