CONNECTPRO ™

USB DDM ™

UD-12+ / UD-14+ / UD-16+ / UD-18+ / UD-112+
Master-IT USB Plus+ - Advanced USB DVI KVM switch w/ DDM & multi-hotkey

Installation Guide

Product View

▼ UD-12+

▼ UD-14+

▼ UD-16+

▲ UD-18+ & UD-112+

UD-12+
44 mm (1.73 inch)
165 mm (6.5 inch)

UD-14+
275 mm (10.83 inch)

UD-16+
44 mm (1.73 inch)

UD-18+
44 mm (1.73 inch)

UD-112+
44 mm (1.73 inch)
440 mm (17.3 inch)
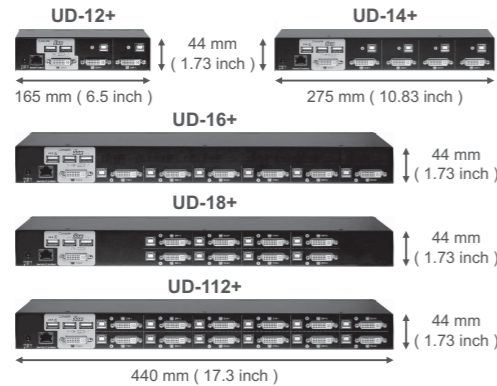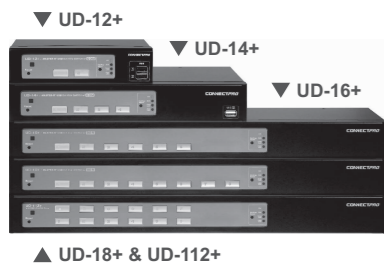
Front & Rear View

Special note:
LED light will be quickly flashing while the KVM is mapping out the device.

UD-14+ / MASTER-IT USB DVI KVM SWITCH w/ DDM   CONNECTPRO

A
B   C   D
E
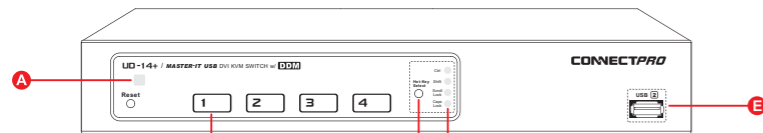
Ⓐ IR Remote Control Sensor
Ⓑ Push-button selection
Ⓒ Hot-key selection
Ⓓ Hot-key indicator (both LEDs not lit = hot-key has been disabled)
Ⓔ USB device sharing port (high speed USB 2.0)

Power input DC 5V 2000 mA
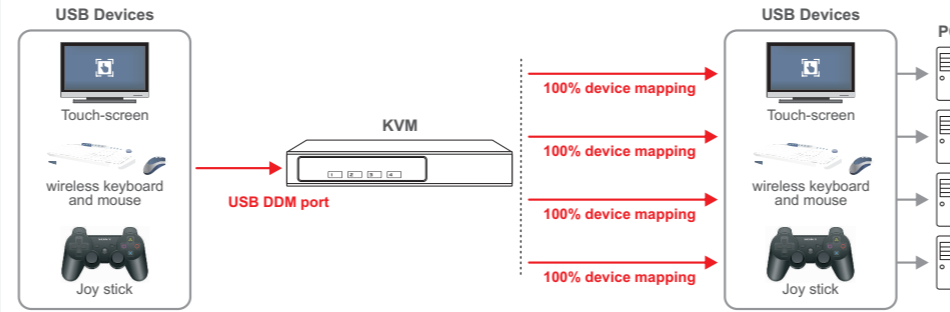Master-IT USB switches are designed for effectively saving energy.
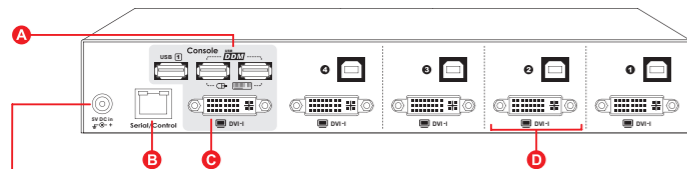
Ⓐ USB 2.0 HID devices DDM console connections for mouse and keyboard
Ⓑ Serial port for extra control and firmware upgrade (CRJ45-DB9F-5 serial cable)
Ⓒ DVI connection for LCD or CRT monitor
Ⓓ KVM ports for connecting systems

What is USB DDM

USB Devices
Touch-screen
wireless keyboard and mouse
USB DDM port
Joy stick

KVM

100% device mapping
100% device mapping
100% device mapping
100% device mapping
100% device mapping

USB Devices
Touch-screen
wireless keyboard and mouse
Joy stick

PC

Connect cables

1
Connect Power Adaptor

2
Connect console
1. Monitor
2. Mouse
3. Keyboard

3
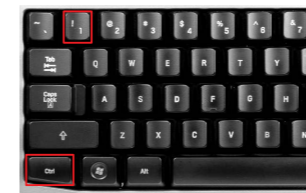Connect KVM cable from computer system to KVM ports

Special note:
If your device cannot work in rear console DDM ports properly, please connect it to the hub ports on the front panel. The rear console ports can be connected with USB HID devices only.

Port Selection

Press button to select port for control

Type hot-key to select port for control

● Via RJ-45 serial port - control commands issued from communication application such as Hyper Terminal.

● Via Mouse-click switching - An optional function only released to OEM/ODM or special projects.

Use IR remote controller for selecting port (optional)

Hot-Key Command

1. Hot-key selection

● Via front panel Hot-key select button
● Via Hot-key control
● Default Hot-key = `Ctrl`

`Hot-key` + `Hot-key` + `H` + `New Hot-key`
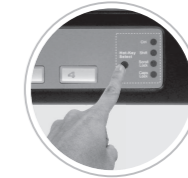
2. Hot-key and functions

`Hot-key` + `Hot-key` + `1` (~ `8`) → Switch to Port #1 (~ Port #8)

`Hot-key` + `Hot-key` + `A` (~ `F`) → Switch to Port #A (~ Port #F)

`Hot-key` + `Hot-key` + `Z` → Turn switching confirmation buzzer sound on/off

● Default = buzzer sound off

`Hot-key` + `Hot-key` + `S` `N` → Turn on Auto Channel Scan

● `S` = last setting interval , default = 5 seconds
● `N` (`1` ~ `5`) = 5, 8, 15, 20, 30 seconds
● Turn off Auto Channel Scan by pressing any key

3. Assign USB port command

`Hot-key` + `Hot-key` + `H` + `1` + `P` + (`1` ~ `8` , `A` ~ `F`) → Assign USB #1 for a certain port use only

`Hot-key` + `Hot-key` + `H` + `0` + `P` + `0` → Default USB port setting (Sync with KVM port selection)

Features & Benefits

● 100% compatible with USB HID devices (for USB DDM ports)
● Compatible with Windows (Windows 98, 2000, XP, Vista, Windows 7), Linux and Mac OS
● Front panel push-button for easy computer selection
● User selectable multi-hotkey (Crtl, Shift, Scroll Lock, Caps Lock, Hotkey disable)
● Backlit push-button with multi-color LED for easy monitoring and selection
● Built-in IR remote receiver and selectable Hot-key control
● Buzzer sound for computer switching confirmation
● Plug-and-Play system configuration
● Additional USB ports for device sharing, or assign to a certain port
● No drivers needed for keyboard and mouse operation
● RS-232 control and firmware upgradable
● DVI interface, supports the DVI-I monitor
● Max video resolution supported 1920 x 1200
● Built-in All-time Full DDC (Active - DDC to all connected systems)
● 3-year Warranty

Specification

		UD-12+	UD-14+	UD-16+	UD-18+	UD-112+
Functional						
Computer port number		2	4	6	8	12
Panel button control		2	4	6	8	12
Button LED color indication		PC On-Line - Green , Selected - Red , Both - Orange				
IR remote control		Yes (Built-in receiver, controller optional)				
Hot plug-and-play		Yes				
Hot key control		Yes				
Auto scan		Yes (Hot key)				
Selectable scan interval		5, 8, 15, 20, 30 sec (Hot key)				
Beep sound		On / Off (Hot key selectable)				
Cable length		5M (15ft) at Console; 5M (15ft) at PC				
Resolution		Max 1920 x 1200 , DDC1 / DDC2B				
System connectors	Keyboard & Mouse	USB B x 2	USB B x 4	USB B x 6	USB B x 8	USB B x 12
	Monitor	DVI-24+5 Female x 2	DVI-24+5 Female x 4	DVI-24+5 Female x 6	DVI-24+5 Female x 8	DVI-24+5 Female x 12
Console connectors	Keyboard & Mouse	USB A x 2 (DDM Technology)				
	Monitor	DVI-24+5 Female x 1				
Total USB device sharing port		USB A (USB 2.0) x 4		USB A (USB 2.0) x 3		
Mechanical						
Height		44 mm (1.73 inch)	44 mm (1.73 inch)	44 mm (1.73 inch)	44 mm (1.73 inch)	44 mm (1.73 inch)
Width		165 mm (6.5 inch)	275 mm (10.83 inch)	440 mm (17.3 inch)	440 mm (17.3 inch)	440 mm (17.3 inch)
Depth		76 mm (2.99 inch)	131 mm (5.16 inch)	131 mm (5.16 inch)	131 mm (5.16 inch)	131 mm (5.16 inch)
Weight		530 g (1.17 lb)	1150 g (2.54 lb)	1620 g (3.57 lb)	1850 g (4.08 lb)	1860 g (4.1 lb)
Power						
Operating voltage		DC 5V (2000 mA)				
Power frequency		50-60 Hz				
Power consumption		6 W	7.5 W	8.5 W	9 W	9.5 W
Certification						
		FCC, CE				

Ordering Information

Model	Description
UD-12+	2-port USB DVI KVM Switch with DDM
UD-14+	4-port USB DVI KVM Switch with DDM
UD-16+	6-port USB DVI KVM Switch with DDM
UD-18+	8-port USB DVI KVM Switch with DDM
UD-112+	12-port USB DVI KVM Switch with DDM
Optional part / accessory	
Cables	
SDU-06	6-ft DVI-I & USB KVM cable
SDU-10	10-ft DVI-I & USB KVM cable
SDU-15	15-ft DVI-I & USB KVM cable, special length of KVM cables are available (25-ft, 50-ft)
CRJ45-DB9F-5	5-ft serial/control and firmware upgrade cable (RJ-45 to DB9 female)
Power Adaptor	
PAUS-DC5V2A	Power supply DC 5V (2000 mA) - AC 110/220V for USA
	* Any other interface is available upon request
IR Remote Controller	
RC-01	IR remote controller for 2 / 4-port KVM Switch
RC-04	IR remote controller for 6 / 8 / 12 / 16-port KVM Switch
Rack Mounting Kit	
RMK-1901	19" rack mounting bracket set for 4-port KVM Switch
RMK-1902	19" rack mounting bracket set for 6 / 8 / 12 / 16-port KVM Switch
RBK-19	19" rack mounting cable support bar

Limited Warranty For ConnectPRO KVM Switches

ConnectPRO offers a 3-year limited warranty for all of its KVM Switches and KVM Switch modules. ConnectPRO stands behind its products assured that you're purchasing a proven technology with quality and reliability.

IG-UD1246812PLUS_V1-2

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