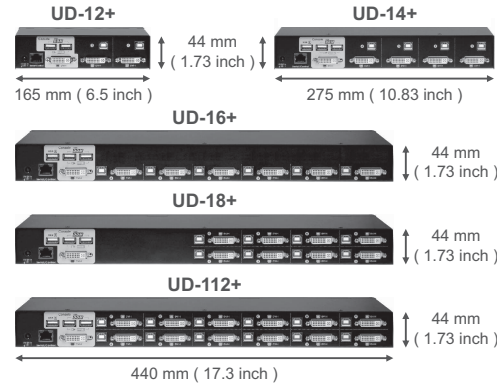
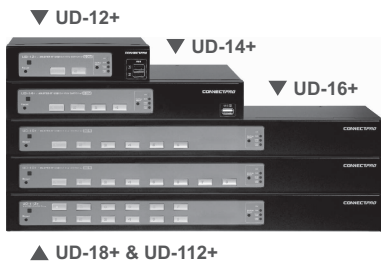


UD-12+ / UD-14+ / UD-16+ / UD-18+ / UD-112+

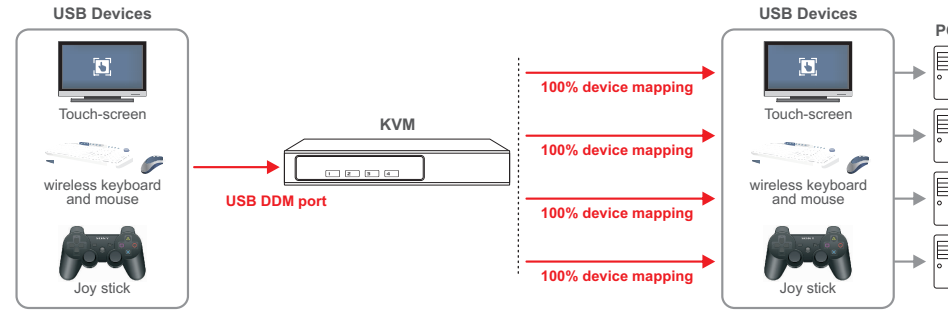
Master-IT USB Plus+ - Advanced USB DVI KVM switch w/ DDM & multi-hotkey

Installation Guide

Product View



What is USB DDM



Connect cables



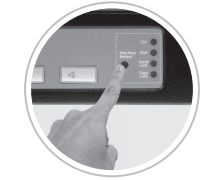
Special note:
If your device cannot work in rear console DDM ports properly, please connect it to the hub ports on the front panel. The rear console ports can be connected with USB HID devices only.

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 + K + 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

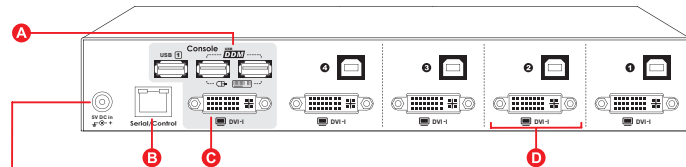
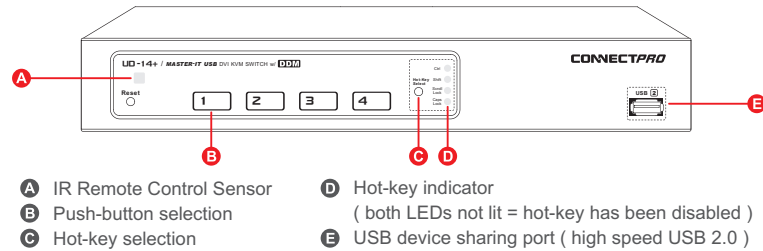
3. Assign USB port command

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)

Front & Rear View

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



Power input
DC 5V 2000 mA

Master-IT USB switches are designed for effectively saving energy.

Port Selection



Press button to select port for control



Type hot-key to select port for control



Use IR remote controller for selecting port (optional)

- 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.

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 (Ctrl, 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 1080p
- 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 | | 1080p | | | | |
| 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 1.1) 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) | 178 mm (7.01 inch) | 178 mm (7.01 inch) | 178 mm (7.01 inch) |
| Weight | | 530 g (1.17 lb) | 1170 g (2.58 lb) | 2230 g (4.92 lb) | 2310 g (5.09 lb) | 2350 g (5.18 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-06D | 6-ft DVI-I & USB KVM cable (Special cable are available) |
| SDU-10D | 10-ft DVI-I & USB KVM cable (Special cable are available) |
| SDU-15D | 15-ft DVI-I & USB KVM cable (Special cable are available) |
| 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. |



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