



# USB KVM Extender



## Quick Installation Guide

DS-51200

## System Requirements

### ■ Console

- 1 A VGA, SVGA, Multisync monitor capable of the highest resolution
- 2 USB keyboard/mouse

### ■ Computer

- 1 A VGA, SVGA or multisync card
- 2 Type A USB port or PS/2 6-pin mini-DIN for keyboard and mouse
- 3 Operating systems: Windows 98/98SE/2000/ME/XP/Vista/7/2003 server, Mac OS9/OSX, Linux Kernel 2.3 or later, Solaris 8 or later, Sun Micro OS

### ■ Cables

- 1 CAT5/CAT5E/CAT6 cable to connect the remote and local unit; the supported maximum length of this cable is 200 meters; the resolution is 1280x1024@60Hz
- 2 Custom Combo 4-in-1 cable (accessories)

## Hardware Installation

- 1 Switch off all devices
- 2 Connect your monitor and USB keyboard/mouse to the local unit (transmitter), if you want to control your system at the local console
- 3 Connect your monitor and USB keyboard/mouse to the remote unit (receiver), if you want to control your system at the remote console
- 4 Connect the remote and local unit by using a CAT5/CAT5E/CAT6 cable; the supported maximum cable length is 200 meters; the resolution is 1280x1024@60Hz
- 5 Connect one DC 5V power supply to the local unit (transmitter)
- 6 Connect the other DC 5V power supply to the remote unit (receiver)
- 7 Connect Video and the USB keyboard/mouse of the local unit (transmitter) to the PC/KVM by using the Combo 4-in-1 cable
- 8 Turn on your computer, if it was turned off
- 9 Adjust the video quality by using the color skew or brightness switch

# Operations

## Active console selection by Push Button

You can press the push button on the local unit (transmitter) to change the active console operation. There are three different types of active console configurations:

1. **Local Console Only**  
You can operate the system only from the local unit (transmitter)
2. **Remote Console Only**  
You can operate the system only from the remote unit (receiver)
3. **Both Consoles (Local + Remote)**  
You can operate the system through local unit (transmitter) and remote unit (receiver) synchronization

The default configuration is “Both Consoles” mode. Once you change the active console configuration, it will be saved and not be affected by a unit reset.

The selected active console can be shown via “Selected Indicators” by the LED indicators. In this context, please refer to the description of the next sections.

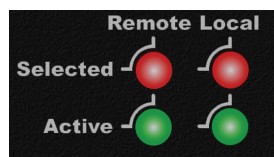
## LED Indicators

The LED indicators of the remote console are the same as of the local, if both units are connected successfully; or all LED indicators at remote console will turn OFF.

- Selected Indicators (RED)

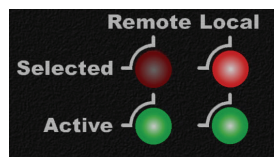
- **Both Selected:**

- Indicates that you can control your system from both the local and remote console



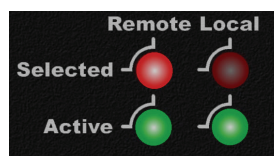
- **Local Selected:**

- Indicates that you can control your system by the local console only



- **Remote Selected:**

- Indicates that you can control your system by the remote console only



- Active Indicators (GREEN)

- Indicates the connection status:

- **Local Indicator:**

- Indicates whether the connection between the local unit and the PC or KVM is ready or not

- **Remote Indicator:**

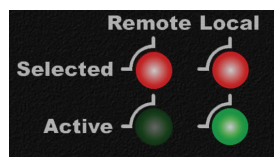
- Indicates whether the connection between the local and remote unit is ready or not

- Examples of LED Indicators:

- Both consoles are selected; local active is **ON**, remote active is **OFF**:

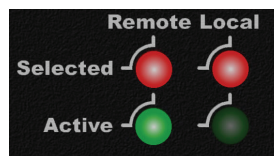
It means that the connection between the local unit and the computer is ready, but that the CATx cable connection between the local and remote unit is not ready.

In this case, you can only control your system at the local console, because the remote console is not connected successfully. The following indicators are shown at the local console, all LED indicators will be OFF at the remote console because of disconnection.



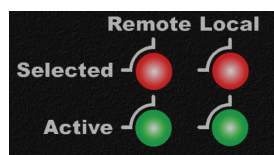
- Both consoles are selected; local active is **OFF**, remote active is **ON**:

It means that the CATx cable connection between the local and remote unit is ready, but that the local unit is not connected to the PC/KVM correctly or that the PC/KVM is not turned on. In this case, you can not control your system by any console, because the PC/KVM is not available to control.



- Both consoles are selected; local active is **ON**, remote active is **ON**:

All connections of the local and remote units are successful - You can control your system at both the local and remote console.



- The active console is inconsistent with the selected console:

You cannot control your system if the active console is inconsistent with selected one.

