

CATX

Quick Installation Guide

For the

CATX KVM

Version 1.1



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Unit Description

CATX KVM Transmitter (Tx) and receiver (Rx) – Front Panel

- Tx unit
 - o Computer
 - Keyboard, Mouse socket
 - 15 Way VGA male connector
- Rx unit
 - o Monitor
 - Keyboard, Mouse socket
 - 15 Way VGA female connector

CATX KVM Transmitter (Tx) and receiver (Rx) – Rear Panel

- Tx unit
 - o RJ45
 - RJ 45 type connector (for connection to UTP cable)
 - o Link
 - LED indicating power state/connection status
 - o Spk
 - Stereo Audio input socket
- Rx unit
 - o Tune
 - Adjustment of video for best quality picture
 - o Link
 - LED indicating power state/connection status
 - o RJ45
 - Connector (for connection to UTP cable)
 - o Spk
 - Stereo Audio output socket
 - o +5
 - DC power socket

CATX KVM DC power adapter

The following power supply is required for use with the Receiver (Rx) unit of the CATX KVM (supplied with the unit):

Regulated DC Power adapter
5 Volts 1 Amp
2.1 mm DC Plug Centre positive

Warning: Using a DC power adapter that does not comply with the above specification can damage the CATX KVM. If you are in any doubt, contact S.Y.electronics Ltd by email at technicalsupport@syelectronics.co.uk

Connecting to a computer

Connecting the Transmitter (**Tx**) unit.

The **Tx** unit is connected to the computer using the KVM cable supplied with your CATX KVM. This cable also has connectors for the following sockets on the computer: -

- PS2 Mouse
- PS2 Keyboard
- 15 way High Density Video connector

These connectors are colour coded using the PC99 standard.

The **Tx** unit is powered from the attached computer. A separate power supply is not required for this unit.

Connecting the Receiver (**Rx**) unit.

The **Rx** unit has the following connectors: -

- PS2 Mouse
- PS2 Keyboard
- 15 way High Density Video connector
- RJ 45 socket for correctly terminated CAT5 cable

Please Note: CATX KVM also comes with a Cat5 patch lead, which can be used to connect the Rx unit to a RJ45 socket as part of a structured cable installation.

Attach the power supply to the Rx unit.

Connecting to a KVM switch

Connecting to the console of a KVM switch.

The **Tx** unit is connected to a KVM switch using the KVM cable supplied with CATX KVM. The KVM cable is connected to the Local Console keyboard, mouse and Monitor connectors on the KVM Switch.

The **Tx** unit may also be powered from the attached KVM switch, if the switch unit outputs power via the keyboard socket of the local console.

Connecting the Receiver (**Rx**) unit.

The **Rx** unit has the following sockets to connect the items: -

- PS2 Mouse
- PS2 Keyboard
- 15 way High Density Video connector
- RJ 45 socket for correctly terminated CAT5 cable

Please Note: CATX KVM has the required computer cable supplied as standard.

The **Rx** unit will require a separate power supply.

Connecting to the UTP Cable

Correct CAT5 termination for use with CATX KVM

None of the products in the CATX range will work unless the Tx and Rx units are connected directly using UTP cable that has been terminated correctly. Each Tx and Rx unit has a RJ45 socket. The attached CAT5 cable must be terminated as per the **EIA/TIA568A** or **EIA/TIA568B** standard, using a RJ45 connector. The details for this can be found at appendix A.

CAT5/6 Patch cable

A standard Ethernet patch cable should be used when connecting either a Tx or Rx unit to a structured cable system. Do not use a **crossover** patch cable.

Status LED: The status LED has two states, steady red and flashing red: -

- **Steady Red**
Indicates that there is a UTP connection between the Tx and Rx and the unit (Tx or Rx) is powered
- **Flashing red**
Indicates that there is no UTP connection between the Tx and Rx but the unit (Tx or Rx) is powered

Video controls

Video distance adjustment (Rx unit only)

This control is used to adjust the overall video output signal on the Rx unit. The control should be rotated fully anti clockwise, and then slowly rotated clockwise until the best picture quality is obtained on the attached video display.

There is no adjustment required on the transmitter unit. The Tx unit has been optimised for CAT5 cable up to 120 metres in length.