



freedom



freeView X10P

1-Port Cat5 Extender

USER'S MANUAL

**P/N: KEX-150P
Rev. 1.0**

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1 General Information

1.1 Overview

The freeView X10P is designed to allow users to access a computer from up to 500 feet (236 meters) away. By allowing keyboard, mouse, and video signals to travel over standard Category 5 Ethernet cable, the transmitter and receiver pair facilitates secure remote access without installing additional cables.

The freeView X10P is ideal for accessing servers located in server rooms that are difficult to work in or inaccessible due to environmental conditions, security concerns, or space limitations. Alternatively, multiple freeView X10P units can also be used to control computers in different locations (e.g. board room, demonstration room, server room) from a single location. Additionally, the freeView X10P can be connected to an existing analog KVM (keyboard-video-mouse) installation to provide remote access to all of the servers connected to the KVM.

With both a local and a remote port on the unit, the freeView X10P allows a user to control both a local computer at their desk, along with a remote computer, with a simple hotkey command to switch between the two. The freeView X10P works with Category 5 Shielded Twisted Pair (STP), Unshielded Twisted Pair (UTP), Category 5e, 6, and 7 cables.

1.2 Safety Instructions

If one of the following situations arises, the equipment should be checked by service personnel.

- The power adapter is damaged.
- Liquid has leaked into the equipment.
- The equipment has been exposed to excessive moisture.
- The equipment does not work properly and you can not get it to work after reading this manual.
- The equipment has been dropped and damaged.
- The equipment shows obvious signs of damage.

1.3 Package Contents

The complete freeView X10P package consists of:

- freeView X10P Transmitter
- freeView X10P Receiver
- 3-in-1 PS/2 KVM cable
- Power Adapter
- User Manual

Ensure that the unit was not damaged during shipping. If you encounter a problem, please contact your dealer.

Read this manual thoroughly, and follow the installation and operation procedures carefully to prevent any damage to the product and/or any of the devices connected to it.

1.4 Product Specifications

	freeView X10P Receiver	freeView X10P Transmitter
Keyboard Port	2 x Mini-din 6 pin (PS/2) Female	2 x Mini-din 6 pin (PS/2) Female
Mouse Port	2 x Mini-din 6 pin (PS/2) Female	2 x Mini-din 6 pin (PS/2) Female
VGA Port	2 x HDDB 15-pin	2 x HDDB 15-pin
Network Port	1 x RJ-45	1 x RJ-45
LED	PC1, PC2	Power, Data
Power Adapter	DC 9V, 500 mA	N/A
Weight	5.3 oz (150g)	4.7 oz (134g)
Size (L x W x H)	4.6 x 3.1 x 1.6 in (117 x 80 x 39.5 mm)	4.4 x 3.0 x 1.4 in (111.5 x 75 x 35.5 mm)
Certification	CE, FCC	CE, FCC

2 Installation

2.1 Configuring the Transmitter

Determine how far away the Transmitter will be located from the Receiver. If the distance is less than 300 ft (91 m), set both DIP switches on the Transmitter to the OFF position. If the distance is 300 ft (91 m) or more, set both DIP switches on the Transmitter to the ON position.

2.2 Connecting the Devices

1. Turn off all computers and peripherals before connecting them to the freeView Pro X10P.
2. Connect one end of the KVM cable included in the box to the VGA and PS/2 ports on the computer.
3. Connect the other end of the KVM cable to the PS/2 and VGA ports labeled **PC Port** on the Transmitter.
4. A local console can be installed by connecting a PS/2 keyboard, mouse, and monitor to the **Console** ports on the Transmitter (see Figure 2-2).
5. Connect the Transmitter to the Receiver by using a **straight-through** category 5, 5e, 6, or 7 cable.
6. Connect a PS/2 keyboard, mouse, and monitor to the **Console** ports on the Receiver to be able to control the remote computer.
7. If you are connecting the Receiver to a local computer, connect one end of a KVM cable (not included) to the PS/2 and VGA ports labeled **PC Port** on the Receiver, and the other end of the KVM cable to the PS/2 and VGA ports on the local computer (see Figure 2-2).
8. Connect the power adapter to the Receiver and plug the adapter into an outlet.
9. Power on the computer and peripherals.
10. Adjust the video quality using the Video Tuning Dial on the Receiver to sharpen the picture.

Note: The RJ-45 ports on the freeView X10P are not standard Ethernet ports. Do not connect the freeView X10P to a network device such as a switch or a hub, otherwise the device will not work.

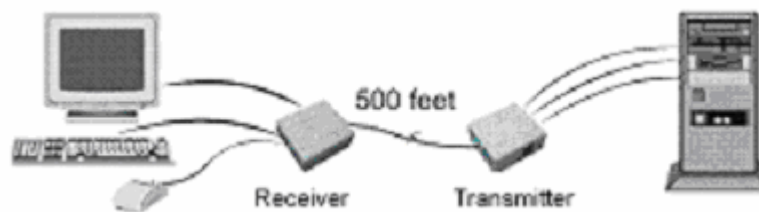


Figure 2-1: Basic Setup

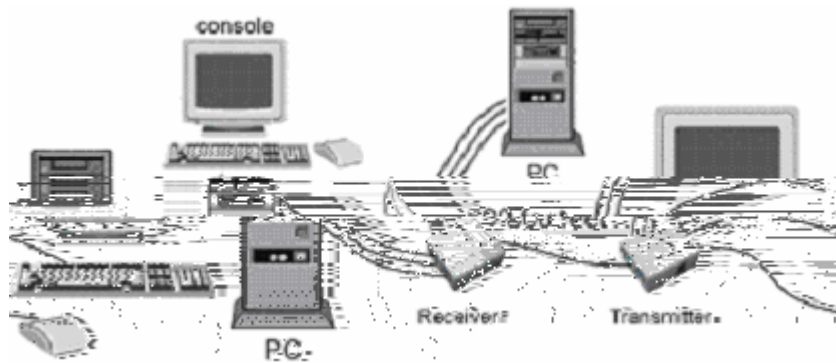


Figure 2-2: Advanced Setup with Remote Console and Local Computer

2.3 Connecting to an Analog KVM

The freeView X10P can also be connected to an analog KVM (or stack of analog KVMs) to control multiple computers remotely (Figure 2-3). To connect the Transmitter to a KVM, follow the steps outlined in section 2.2, but instead of connecting the KVM cable to the PS/2 and VGA ports of the computer in step 2, connect the KVM cable to the PS/2 and VGA ports labeled **Console** on the KVM switch (label may differ depending on the KVM).

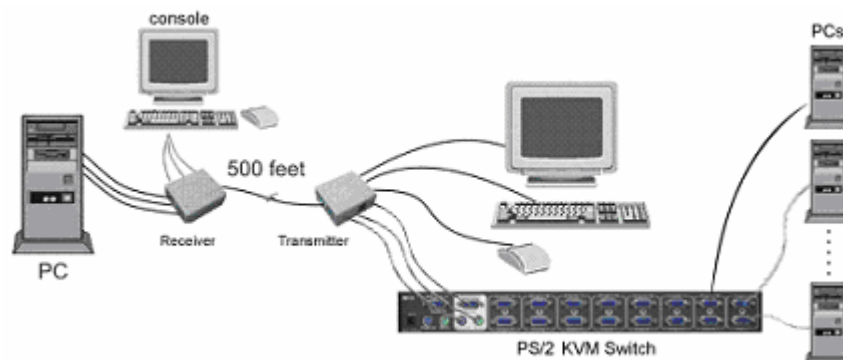
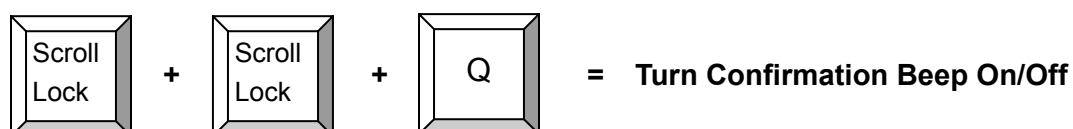
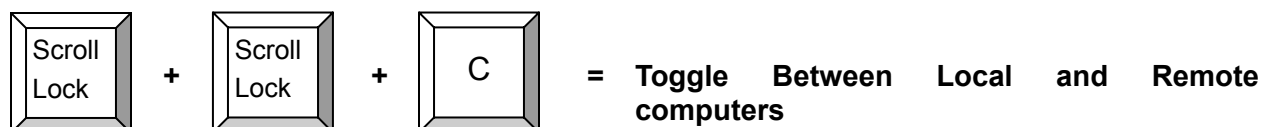


Figure 2-3: Connecting to a KVM

2.4 Switching Between Computers

If you are using both a local computer and the remote computer, you can use a hotkey to toggle between the local computer and the remote computer. To initiate a hotkey sequence, press the Scroll Lock key twice within 2 seconds. A beep will sound indicating that the hotkey sequence has been entered. The commands are listed below:



3 Troubleshooting

3.1 Troubleshooting

Problem: The Power LED on the Receiver does not turn on.

Resolution:

- Check that the power adapter is connected securely to the unit.
- Check that the power outlet is supplying power.

Problem: The monitor does not display any video.

Resolution:

- Check that the monitor is securely connected to the Receiver.
- Check that the KVM cable is securely connected to the Transmitter and the Computer.
- Ensure that the Cat5 cable is attached securely to the Receiver and Transmitter.
- Ensure that the KVM cable is attached when the computer is booting up.
- Ensure that the power adapter is connected to the Receiver.
- Ensure that the monitor is receiving power and is on.

Problem: The video displayed is blurry.

Resolution:

- Check that the monitor is securely connected to the Receiver.
- Check that the KVM cable is securely connected to the Transmitter and the Computer.
- Use the Video Tuning Dial to adjust the video quality.
- Lower the resolution on the remote computer. Maximum recommended resolution is 1280 x 1024, though overall quality depends on the quality of the Cat5 cable.

Problem: The computer displays a “Keyboard or Mouse Not Found” error message.

Resolution:

- Check that the KVM cable is securely connected to the Transmitter and the Computer.
- Check that the keyboard is connected securely to the Receiver.

4 Certifications

FCC

This equipment has been tested and found to comply with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference
- (2) This device must accept any interference received. Including interference that may cause undesired operation.

CE – Certificate

This equipment is in compliance with the requirements of the following regulations: EN 55 022: CLASS B

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