

**IP Control - Quick Start Guide**



**1. Introduction**

To take advantage of the full range of features, we recommend you read the softcopy User Guide after performing the Quick Start procedure. It's in PDF format on the supplied CD or on our website [www.minicom.com](http://www.minicom.com) in the Support section.

The IP Control extends your KVM (keyboard, video, mouse) from any computer or server over TCP/IP via LAN, WAN or Internet connection. Now you can control, monitor and manage your servers from wherever you are, inside or outside the organization. The IP Control is a cost-effective hardware solution, for secure remote KVM access & control of a computer/server from the BIOS level - independent of the OS. It is designed to connect to a single computer or to a KVM switch to control multiple servers, over TCP/IP communication.

**2. System components**

The IP Control system consists of:

- 1 IP Control (p/n 1SU70017)
- 1 KVM cable (p/n 5CB00565)
- 1 RS232 cable (p/n 5CB00566)
- 1 Universal power adapter (p/n 5PSB0005)
- Rack mount set (p/n 5AC00297)

Technical support - [support@minicom.com](mailto:support@minicom.com)

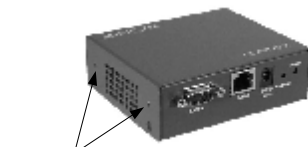
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**5. Rack mounting the IP Control**

The IP Control comes with screw holes on the side for easy rack mounting, see figure below.



Screw holes for bracket

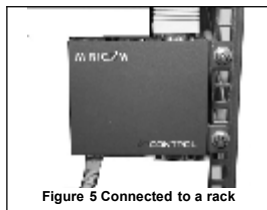
**Figure 3 Screw holes for rack mounting**

Use the L-shaped brackets and screws provided to mount the IP Control on a server rack or under a table top as illustrated below. The length of the screws used for connecting the brackets to the IP Control unit must not exceed 5 mm.

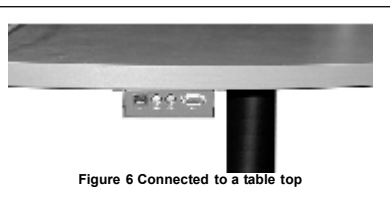


Screw L-shaped brackets to 1 or both sides of the unit

**Figure 4 Connecting the L-shaped bracket**



**Figure 5 Connected to a rack**

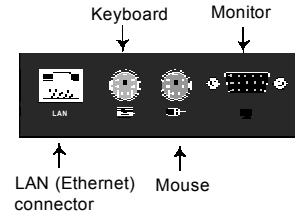


**Figure 6 Connected to a table top**

The RS232 cable connects the IP Control to Serial manageable devices such as Power Management units, routers, etc.

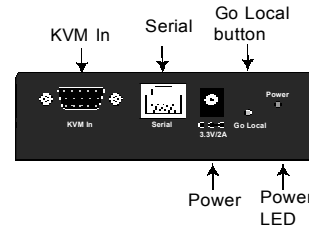
**3. The IP Control unit**

Figure 1 illustrates the front panel of the IP Control.



**Figure 1 IP Control ports – side 1**

For (optional) local access to the connected computer you connect a keyboard, monitor and mouse to the above KVM ports. Connect the IP Control to a 10/100 Mbit Ethernet using the LAN port.



**Figure 2 IP Control ports – side 2**

Connect a computer or KVM switch to the KVM In port using the 1 to 3 CPU cable. You press the **Go Local** button to disconnect the remote session and access the computer locally.

Connect an RS232 device to the Serial port using the RS232 cable.

**4. Pre-installation guidelines**

Place cables away from fluorescent lights, air conditioners, and machines that are likely to generate electrical noise.

**IP CONTROL**

**6. Terminology**

Below are some terms and their meanings used in this guide.

Term	Meaning
<b>Target server</b>	The computers/servers that are accessed remotely via the IP Control.
<b>Client computer</b>	The PC running a remote IP Control session
<b>Remote Session</b>	The process of accessing and controlling Target Servers connected to IP Control from a User workstation

**7. Client computer operating system**

Windows 2000 or higher, with Firefox 3 or Internet Explorer 6.0 or later version. Linux with Firefox 3. 128 bit encryption support is required.

**8. Connecting the system**

Connect the Target Server / KVM switch to the IP Control as follows:

1. Connect the single connector of the KVM cable to the KVM In port of the IP Control.
2. Connect the other end of the KVM cable to the KVM ports of the Target Server / KVM switch.
3. Connect a Network cable to the IP Control LAN port and to an Ethernet port on your Network switch.
4. Connect the power adapter.

Figure 7 and Figure 8 illustrate the connections to a computer and KVM switch respectively, with the optional KVM console.

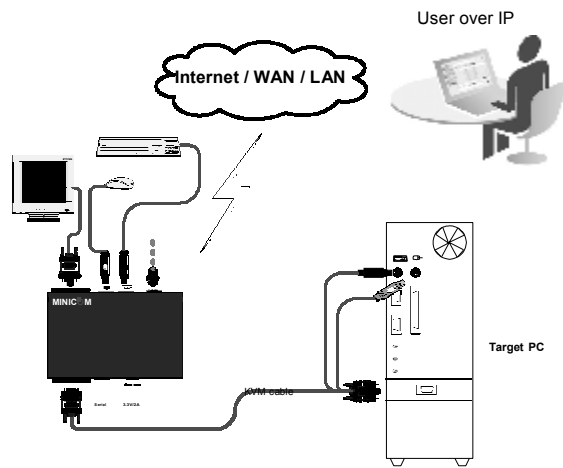


Figure 7 IP Control connections to a computer

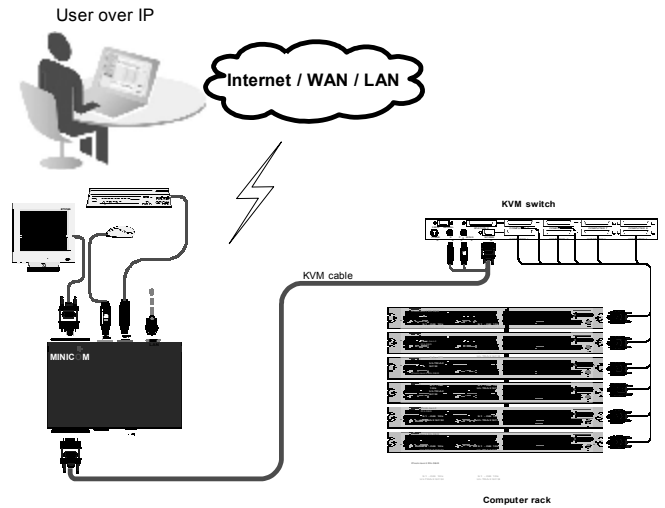


Figure 8 IP Control connections to a KVM switch

### 9. Initial settings - Default IP address

The following sections provide instructions for setting the IP address for the IP Control unit.

See Figure 9 for an overview of the boot-up process.

By default, IP Control boots with an automatically assigned IP address from a DHCP (Dynamic Host Configuration Protocol) server on the network. The DHCP server provides a valid IP address, gateway address and subnet mask.

To identify the IP address, the IP Control MAC address appears on the underside of the IP Control box. The device number (D.N.) can also be found there.

If no DHCP server is found on the network, IP Control boots with the static IP address: 192.168.0.155.

**Note!** If a DHCP server later becomes available, the unit picks up the IP settings from DHCP server. To keep the static IP address, disable DHCP – explained in the full softcopy User Guide.

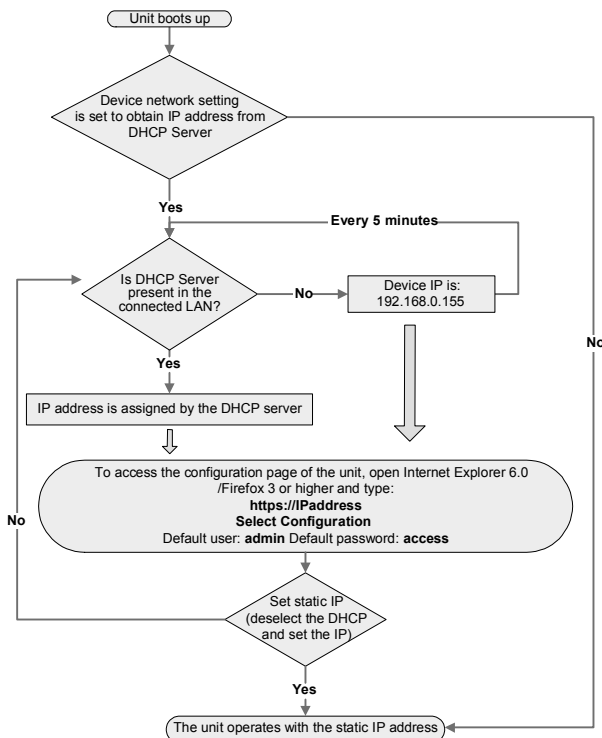


Figure 9 Boot-up process

#### 9.1 Static IP addresses for a number of units

Where you want to connect more than 1 IP Control to the same network and there is no DHCP server, or you want to use static IP addresses, do the following:

Connect the IP Control units one at a time and change the static IP address of each unit before connecting the next unit.

### 10. Logging into the Web interface

Complete the initial setup via the Web configuration interface:

1. Open your Web browser.
2. Type the IP Control system IP address - `https://IP address/` - and press **Enter**. The login page appears, see Figure 10.



Figure 10 Login page

3. in **mode** select Configuration.
4. Type the default Administrator user name **admin** and password **access** (both lower case).
5. Press **Enter**. The Web interface opens at the Network Configuration page. See Figure 11.



Figure 11 Configuration page

To complete the initial setup and log into the web interface please see the softcopy User Guide on the supplied CD or on our website  
<http://www.minicom.com/supportuserguides.htm>