123 Manual, LP-5420G wireless router. Configuration of parental control

LP5420G_M123_END01W



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The LanPro 5420G router has access control functionality to specified pages and domains so that you can assign times as well as control the equipment access in specified hours, which is known as Parental Control. There are other parental control services to classify pages in categories, but they are supplied by third parties; the 5420G does not provide this kind of services.

To configure the parental control in the 5420G, please read the explanation below:

First of all, you must be clear that the equipment has a unique address in the network. The 5420G has 192.168.1.1 by default, where the network of computers that connect each other belongs to the segment address 192.168.1.x (x represents the rest of the equipment and peripherals in that network).

By default, the LP-5420G has the DHCP service enabled delivering addresses automatically to the equipment that connects. The basic configuration delivers addresses from 100 to 199. The use of this service avoids the duplication of a network number for the equipment. Since this number must be unique, you must understand its functioning in order to apply the parental control.

In case you want to control the Internet access of the equipment, you shall know its IP Address. We recommend you to assign fixed addresses to the equipment, but remember that each equipment in the network must have a unique IP Address.

Important note: You have to remember that your children probably have some knowledge about changing the equipment setup. For this reason, and if you consider necessary, disable the DHCP service or limit your children so they cannot change these options. Moreover, remember that the equipment connecting to a wireless network is in the same group of the segment 192.168.1.x, hence an address will be assigned when they connect if DHCP is enabled.

Local Area Connection Properties

Therefore in our example the DHCP service will remain active and fixed addresses will be used.

Addresses	General Advanced	General
 LP-5420G: 192.168.1.1 Dad equipment: 192.168.1.2 Child 1: 192.168.1.3 Child 2: 192.168.1.4 	Connect using: Intel(R) PR0/1000 MT Mobile Conne This connection uses the following items: Configure This connection uses the following items: State of the state of	You can get IP settings assigned automatically if your network supports this capability. Utherwise, you need to ask your network administrator for the appropriate IP settings. Obtain an IP address automatically Use the following IP address: IP address: 192.168.1.2
How to assign these addresses to each child and dad? This will depends on your operative system. For Windows XP go to the properties of your network device and enter the following information, as shown in Figure 1.	Install Uninstall Properties Description Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks. Show icon in notification area when connected Notify me when this connection has limited or no connectivity	Subnet mask: Default gateway: Obtain DNS server address automatically Obtain DNS server: Preferred DNS server: Alternate DNS server: Advanced
Figure 1	OK Cancel	OK Cancel



Addrosses

Information for *Dad* equipment. For each *Child* change the last digit of the IP Address.

Dad equipment:

"**IP Address":** 192.168.1.2 "**Subnet mask":** 255.255.255.0 "**Default Gateway":** 192.168.1.1 (this is the LP-5420G) to connect to Internet.

"Preferred DNS Server": Enter the address your Internet provider will supply.

Child 1 equipment:

"IP Address": 192.168.1.3 **"Subnet mask":** 255.255.255.0 **"Default Gateway":** 192.168.1.1 (this is the LP-5420G) to connect to Internet.

"Preferred DNS Server": Enter the address your Internet provider will supply.

Child 2 equipment:

? Internet Protocol (TCP/IP) Properties

"IP Address": 192.168.1.4 "Subnet mask": 255.255.255.0 "Default Gateway": 192.168.1.1 (this is the LP-5420G) to connect to Internet.

"Preferred DNS Server": Enter the address your Internet provider will supply.

?

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Proceed with the LP-5420G configuration:

Access the equipment from your browser by entering the address 192.168.1.1. Log in as user (Recommendation: change the access password, since the children can search in the Internet for the setup and know how to find out the default password). Check the 123 manual about installation.

You also have to consider the time control. This is based on the time the LP-5420G has. For this reason you must configure the equipment so that it updates the time properly.

Remember to follow these steps:

Go to the option **System**, select **Time**, choose your **Time zone**, and then click on **Save**, as shown in **Figure 2**.

Wireless Router Model No.: LP-5420G	Time Setting	js
Status Cutck Setup	Time zone: Date: Time:	(GMT) Greenwich Mean Time, Dublin, London 12 14 2008 (MM/DD/YY) 11 9 31 (HH/MM/SS) Get GMT (Get GMT when connected to Internet) Save

Figure 2

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To configure the parental control access, you must go to the option **Security**, then **Firewall**, as shown in **Figure 3**. Enable the filtering options and select **Save**.

Figure 3.	54M Wireless Router Model No.: LP-5420G	Firewall
	Status Ouick Setup Basic Settings Network Wireless Advanced Settings PHCP Forwarding	Enable Firewall (the general firewall switch) Enable IP Address Filtering Default IP Address Filtering Rules: Address Filtering Rules: Address Filtering Rules: Deny the packets not specified by any filtering rules to pass through the router Deny the packets not specified by any filtering rules to pass through the router
	Security 2 Firewall FIP Address Filtering Domain Filtering	Denable Domain Filtering
Figure 3	MAC Filtering Remote Management Advanced Security Static Routing Dynamic DNS Maintenance	Enable MAC Address Filtering Default MAC Address Filtering Rules: Allow these PCs with enabled rules to access the Internet O Deny these PCs with enabled rules to access the Internet
	 System Tools 	Save

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Now you must decide what to filter. It is common to filter all the access for certain equipment in specific times, which will depend on the number of options for refusal or connection. You also can do this for pages, but it is too laborious.

In the following example, we assume that **Child 1** is under 10 years old and you will give Internet access from 2 to 8 pm. **Child 2** is over 18 years old and the access is from 7am to midnight.

To do so, and as shown in **Figure 4**, select the option **Security**, then **IP Address Filtering**, and click on **Add New.**

Important note: An empty box means everything.

54M Wireless Router Model No.: LP-5420G	IP Address Filtering
Status Quick Setup Basic Settings Hetwork Wireless Advanced Settings DHCP Forwarding Security IP Address Filtering MAC Filtering MAC Filtering MAC Filtering Remote Management Advanced Security Static Routing Dynamic DIS	Firewall Settings (You can change it on Firewall page) Enable Firewall: Enable Enable IP Address Filtering: Enable Default Filtering Rules: Deny the packets not specified by any filtering rule ID Effective time LAN IP Add New. Enable All Disable All Move ID to ID

Figure 4

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Child 1 case:

In **Figure 5** note that the time is from 1400 to 2000.

The LAN IP is the same as the Child 1 equipment: 192.168.1.3.

Select Action: Allow because you are giving access in that time and enabling the use at once.

Click on Save.

Figure 5

54M Wireless Router Model No.: LP-5420G	Add or Modify an IP Address Filtering Entry
Status Quick Setup Basic Settings Network Wireless Advanced Settings DHCP Forwarding Security Firewall IP Address Filtering MAC Filtering MAC Filtering MAC Filtering Remote Management Advanced Security Static Routing Dynamic DNS Meintensesce	Effective time: 1400 - 2000 LAN IP Address: 192.168.1.3 LAN Port:

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Child 2 case:

In Figure 6 note that the time is from 0700 to 2400.

as shown in **Figure 7.** The filters are applied at once.

The LAN IP is the same as the Child 2 equipment: 192.168.1.4.

Select Action: Allow because you are giving access in that time and enabling the use at once.

Click on Save.

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54M Wireless Router Add or Modify an IP Address Filtering Entry Model No.: LP-5420G Status Effective time: 0700 - 2400 Basic Settings -LAN IP Address: 192.168.1.4 192.168.1.4 Network LAN Port: Advanced Settings ----WAN IP Address: WAN Port: Protocol: ALL v IP Address Filtering Domain Filtering
 MAC Filtering Action: Allow Status: Enabled v Remote Advanced Secu Save Return Dynamic DNS Maintenance -

Figure 6

You can always disable these options without delete them, 54M Wireless Router **IP Address Filtering** Model No.: LP-5420G Firewall Settings (You can change it on Firewall page) Status Enable Firewall: Enable Basic Settings ---Enable IP Address Filtering: Enable Wireless Default Filtering Rules: Deny the packets not specified by any filtering re-- Advanced Settings ---ID Effective time LAN IP LAN Port WAN IP WAN Port Protoco 1400-2000 1 192.168.1.3 -ALL Firewall • IP Address Filtering 0700-2400 ALL 2 192.168.1.4 -Figure 7 Remote Add New... Enable All Disable All Delete All Move ID to ID Static Routing Previous Next Maintenance



Set the time in the window shown in **Figure 9.** If you want to allow access all day, enter 0000-2400 as well as the domain you want to filter. You must enable the filter, then select **Save.**

54M Wireless Router Model No.: LP-5420G	Add or Modify a Domain Filtering entry
 Status Quick Setup Basic Settings Network Wireless Advanced Settings DHCP Forwarding Security Firewall IP Address Filtering Domain Filtering MAC Filtering Remote Management 	Effective time Domain Name: Status: Enabled Save Return
Advanced Security	

Figure 9