😼 Inter	net Connection Properties 🛛 🔹 💽
General	
Conne	ct to the Internet using:
9	nternet Connection
This co shared	onnection allows you to connect to the Internet through a connection on another computer.
⊡ Sho	Settings ow icon in notification area when connected OK Cancel

Figure 95 Internet Connection Properties

4 You may edit or delete the port mappings or click Add to manually add port mappings.

evices			
Select the services lunnin access Services	ig on your netw	ork that in	leinel useis car
 msmigr (192 168.1 6 msmigr (192 168.1 6 	25 8618) 16608 8 9859) 27111	TOP	
msmsgs (192 168.1 9	1:7281 35037	UDP	
🗹 marnisga (192.168.1.6	n:7810 31711	TCP	
(EdL.,	1	Dglete

Figure 96 Internet Connection Properties: Advanced Settings

Figure 97 Internet Connection Properties: Advanced Settings: Add

Service Settings	2 🔀
Description of service:	
Test	
Name or IP address (for example 192 computer hosting this service on your	.168.0.12) of the r network:
192.168.1.11	
External Port number for this service: 143	● TCP ● UDP
Internal Port number for this service: [143]	
	OK Cancel

- **5** When the UPnP-enabled device is disconnected from your computer, all port mappings will be deleted automatically.
- 6 Select Show icon in notification area when connected option and click OK. An icon displays in the system tray.

Figure 98 System Tray Icon



7 Double-click on the icon to display your current Internet connection status.

Figure 99 Internet Connection Status

Internet Gateway		
Status:		Connected
Duration:		00:00:56
Speed:		100.0 Mbps
Activity Internet	Internet Gateway	My Computer
Packets: Sent: Received:	8 5,943	618 746
Properties	Disable	

Web Configurator Easy Access

With UPnP, you can access the web-based configurator on the ZyXEL Device without finding out the IP address of the ZyXEL Device first. This comes helpful if you do not know the IP address of the ZyXEL Device.

Follow the steps below to access the web configurator.

- 1 Click Start and then Control Panel.
- 2 Double-click Network Connections.
- **3** Select My Network Places under Other Places.



Figure 100 Network Connections

- 4 An icon with the description for each UPnP-enabled device displays under Local Network.
- 5 Right-click on the icon for your ZyXEL Device and select Invoke. The web configurator login screen displays.

💈 My Network Places	
File Edit View Favorites Tools Help	
🕞 Back 🕤 🕥 🕤 🏂 🔎 Search 🍋 Folders 🚺]•
Address 🥞 My Network Places	
Network Tasks Image: Contract of the second secon	et vay Invoke
Set up a home or small office network View workgroup computers	Create Shortcut Delete Rename Properties

Figure 101 Network Connections: My Network Places

6 Right-click on the icon for your ZyXEL Device and select **Properties**. A properties window displays with basic information about the ZyXEL Device.

Figure 102 Network Connections: My Network Places: Properties: Example

ZyXEL Internet S	iharing Gateway
General	
Ě.	ZyXEL Internet Sharing Gateway
Manufacturer:	ZjXEL
Model Name:	ZyXEL Internet Sharing Gateway
Model Number:	P-31
Description:	ZyXEL P-31 Internet Sharing Gateway
Device Address:	http://192.168.1.1/
	Close Cancel

PART IV Maintenance and Troubleshooting

System (169) Logs (173) Tools (187) Configuration Mode (193) Troubleshooting (195)

17 System

This chapter provides information on the System screens.

17.1 System Overview

See the chapter about wizard setup for more information on the next few screens.

17.2 System General Screen

Click **Maintenance** > **System**. The following screen displays.

Figure 103 System General

General Time Setting	
System Setup	
System Name	
Domain Name	
Administrator Inactivity Timer	5 (minutes, 0 means no timeout)
Password Setup	
Old Password	****
New Password	****
Retype to Confirm	****
	Apply Reset

The following table describes the labels in this screen.

LABEL	DESCRIPTION
System Name	System Name is a unique name to identify the ZyXEL Device in an Ethernet network. It is recommended you enter your computer's "Computer name" in this field (see the chapter about wizard setup for how to find your computer's name). This name can be up to 30 alphanumeric characters long. Spaces are not allowed, but dashes "-" and underscores "_" are accepted.
Domain Name	Enter the domain name (if you know it) here. If you leave this field blank, the ISP may assign a domain name via DHCP. The domain name entered by you is given priority over the ISP assigned domain name.
Administrator Inactivity Timer	Type how many minutes a management session can be left idle before the session times out. The default is 5 minutes. After it times out you have to log in with your password again. Very long idle timeouts may have security risks. A value of "0" means a management session never times out, no matter how long it has been left idle (not recommended).
Password Setup	Change your ZyXEL Device's password (recommended) using the fields as shown.
Old Password	Type the default password or the existing password you use to access the system in this field.
New Password	Type your new system password (up to 30 characters). Note that as you type a password, the screen displays an asterisk (*) for each character you type.
Retype to Confirm	Type the new password again in this field.
Apply	Click Apply to save your changes back to the ZyXEL Device.
Reset	Click Reset to begin configuring this screen afresh.

 Table 67
 System General

17.3 Time Setting Screen

To change your ZyXEL Device's time and date, click **Maintenance** > **System** > **Time Setting**. The screen appears as shown. Use this screen to configure the ZyXEL Device's time based on your local time zone.

Figure 104 Time Setting

General Time Setting	
Current Time and Date	
Current Time	05:21:14
Time and Date Setup	2000-01-01
Manual New Time (hh:mm:ss) New Date (yyyy/mm/dd)	5 : 20 : 21 2000 / 1 / 1
 Get from Time Server Auto User Defined Time Server Address 	
Time Zone Setup	
Time Zone: (GMT) Greenwich Mean Time : Dub Daylight Savings Start Date First 💌 Saturday 💌	of January 💌 (2000-01-01) at 0 o'clock
End Date First 💽 Saturday 💌	of January 💌 (2000-01-01) at 0 o'clock

The following table describes the labels in this screen.

Table 68 Time Setting

LABEL	DESCRIPTION
Current Time and Date	
Current Time	This field displays the time of your ZyXEL Device. Each time you reload this page, the ZyXEL Device synchronizes the time with the time server.
Current Date	This field displays the date of your ZyXEL Device. Each time you reload this page, the ZyXEL Device synchronizes the date with the time server.
Time and Date Setup	
Manual	Select this radio button to enter the time and date manually. If you configure a new time and date, Time Zone and Daylight Saving at the same time, the new time and date you entered has priority and the Time Zone and Daylight Saving settings do not affect it.
New Time (hh:mm:ss)	This field displays the last updated time from the time server or the last time configured manually. When you set Time and Date Setup to Manual , enter the new time in this field and then click Apply .
New Date (yyyy/mm/dd)	This field displays the last updated date from the time server or the last date configured manually. When you set Time and Date Setup to Manual , enter the new date in this field and then click Apply .

LABEL	DESCRIPTION		
Get from Time Server	Select this radio button to have the ZyXEL Device get the time and date from the time server you specified below.		
Auto	Select Auto to have the ZyXEL Device automatically search for an available time server and synchronize the date and time with the time server after you click Apply .		
User Defined Time Server Address	Select User Defined Time Server Address and enter the IP address or URL (up to 20 extended ASCII characters in length) of your time server. Check with your ISP/network administrator if you are unsure of this information.		
Time Zone Setup			
Time Zone	Choose the time zone of your location. This will set the time difference between your time zone and Greenwich Mean Time (GMT).		
Daylight Savings	Daylight saving is a period from late spring to early fall when many countries set their clocks ahead of normal local time by one hour to give more daytime light in the evening. Select this option if you use Daylight Saving Time		
Start Date	Configure the day and time when Daylight Saving Time starts if you selected Daylight Savings . The o'clock field uses the 24 hour format. Here are a couple of examples: Daylight Saving Time starts in most parts of the United States on the first Sunday of April. Each time zone in the United States starts using Daylight Saving Time at 2 A.M. local time. So in the United States you would select First, Sunday, April and type 2 in the o'clock field. Daylight Saving Time starts in the European Union on the last Sunday of March. All of the time zones in the European Union start using Daylight Saving Time at the same moment (1 A.M. GMT or UTC). So in the European Union you would select Last, Sunday, March . The time you type in the o'clock field depends on your time zone. In Germany for instance, you would type 2 because Germany's time zone is one hour ahead of GMT or UTC (GMT+1).		
End Date	Configure the day and time when Daylight Saving Time ends if you selected Daylight Savings . The o'clock field uses the 24 hour format. Here are a couple of examples: Daylight Saving Time ends in the United States on the last Sunday of October. Each time zone in the United States stops using Daylight Saving Time at 2 A.M. local time. So in the United States you would select Last , Sunday , October and type 2 in the o'clock field. Daylight Saving Time ends in the European Union on the last Sunday of October. All of the time zones in the European Union stop using Daylight Saving Time at the same moment (1 A.M. GMT or UTC). So in the European Union you would select Last , Sunday , October . The time you type in the o'clock field depends on your time zone. In Germany for instance, you would type 2 because Germany's time zone is one hour ahead of GMT or UTC (GMT+1).		
Apply	Click Apply to save your changes back to the ZyXEL Device.		
Reset	Click Reset to begin configuring this screen afresh.		

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18

Logs

This chapter contains information about configuring general log settings and viewing the ZyXEL Device's logs. Refer to the appendices for example log message explanations.

18.1 View Log

The web configurator allows you to look at all of the ZyXEL Device's logs in one location.

Click Maintenance > Logs to open the View Log screen.

Use the **View Log** screen to see the logs for the categories that you selected in the **Log Settings** screen (see Section 18.2 on page 174). Options include logs about system maintenance, system errors, access control, allowed or blocked web sites, blocked web features (such as ActiveX controls, Java and cookies), attacks (such as DoS) and IPSec.

Log entries in red indicate system error logs. The log wraps around and deletes the old entries after it fills. Click a column heading to sort the entries. A triangle indicates ascending or descending sort order.

gs					
Dis	play: All Logs	Email Log Nov	v Refresh Clea	r Log	
#	<u>Time</u> ▼	Message	<u>Source</u>	<u>Destination</u>	<u>Note</u>
1	04/06/2006 14:28:47	Successful WEB login	192.168.1.33		User:admin
2	04/06/2006 14:18:15	Time synchronization successful			
3	04/06/2006 14:18:15	Time initialized by NTP server: ntp3.cs.wisc.edu	128.105.37.11:123	172.23.23.114:123	
4	04/06/2006 14:17:13	Time synchronization successful			
5	04/06/2006 14:17:13	Time initialized by NTP server: ntp3.cs.wisc.edu	128.105.37.11:123	172.23.23.114:123	
6	04/06/2006 06:11:52	Time synchronization successful			
7	04/06/2006 06:11:52	Time initialized by NTP server: time1.stupi.se	192.36.143.150:123	172.23.23.114:123	
8	01/01/2000 04:50:52	WAN interface gets IP:172.23.23.114			WAN1
9	01/01/2000 04:23:06	Successful WEB login	192.168.1.33		User:admin
10	01/01/2000 03:43:10	Waiting content filter server (66.35.255.70) timeout!	192.168.1.33:3241	202.43.201.234:80 t	w.f172.mail.yahoo.com
11	01/01/2000	Waiting content filter server (66.35.255.70) timeout!	192.168.1.33:3188	203.84.196.97:80	tw.yimg.com



The following table	e describes the	e labels in t	his screen.
---------------------	-----------------	---------------	-------------

LABEL	DESCRIPTION
Display	The categories that you select in the Log Settings page (see Section 18.2 on page 174) display in the drop-down list box. Select a category of logs to view; select All Logs to view logs from all of the log
	categories that you selected in the Log Settings page.
Time	This field displays the time the log was recorded. See the chapter on system maintenance and information to configure the ZyXEL Device's time and date.
Message	This field states the reason for the log.
Source	This field lists the source IP address and the port number of the incoming packet.
Destination	This field lists the destination IP address and the port number of the incoming packet.
Note	This field displays additional information about the log entry.
Email Log Now	Click Email Log Now to send the log screen to the e-mail address specified in the Log Settings page (make sure that you have first filled in the Address Info fields in Log Settings).
Refresh	Click Refresh to renew the log screen.
Clear Log	Click Clear Log to delete all the logs.

Table 69 View Log

18.2 Log Settings

You can configure the ZyXEL Device's general log settings in one location.

Click Maintenance > Logs > Log Settings to open the Log Settings screen.

Use the **Log Settings** screen to configure to where the ZyXEL Device is to send logs; the schedule for when the ZyXEL Device is to send the logs and which logs and/or immediate alerts the ZyXEL Device to send.

An alert is a type of log that warrants more serious attention. They include system errors, attacks (access control) and attempted access to blocked web sites or web sites with restricted web features such as cookies, active X and so on. Some categories such as **System Errors** consist of both logs and alerts. You may differentiate them by their color in the **View Log** screen. Alerts display in red and logs display in black.

Alerts are e-mailed as soon as they happen. Logs may be e-mailed as soon as the log is full (see **Log Schedule**). Selecting many alert and/or log categories (especially **Access Control**) may result in many e-mails being sent.

E-mail Log Settings Mail Server Mail Subject Send Log to Send Alerts to SMTP Authentication User Name Password	(Outgoing SMTP Server NAME or IP Address) (E-Mail Address) (E-Mail Address)
Mail Server Mail Subject Send Log to Send Alerts to SMTP Authentication User Name Password	(Outgoing SMTP Server NAME or IP Address) (E-Mail Address) (E-Mail Address)
Mail Subject Send Log to Send Alerts to SMTP Authentication User Name Password	(E-Mail Address)
Send Log to Send Alerts to I SMTP Authentication User Name Password	(E-Mail Address) (E-Mail Address)
Send Alerts to SMTP Authentication User Name Password	(E-Mail Address)
 SMTP Authentication User Name Password 	
User Name Password	
Password	
Log Schedule	None
Day for Sending Log	Sunday 💌
Time for Sending Log	0 (hour) 0 (minute)
🗖 Clear log after sending mail	
Syslog Logging	
Active	
Syslog Server IP Address	0.0.0.0 (Server NAME or IP Address)
Log Facility	Local 1 💌
ctive Log and Alert	
Log	Send immediate alert
🗹 System Maintenance	🗖 System Errors
System Errors	C Access Control
Access Control	Blocked Web Sites
	L Blocked Java etc.
Packet Filter	L Attacks
Forward Web Sites	
Blocked Web Sites	
Blocked Java etc.	
Attacks	
□ 802.1×	
□ Wireless	
🗖 Any IP	

Figure 106 Log Settings

The following table describes the labels in this screen.

Table 70 Log Settings

LABEL	DESCRIPTION	
E-mail Log Settings		
Mail Server	Enter the server name or the IP address of the mail server for the e-mail addresses specified below. If this field is left blank, logs and alert messages will not be sent via E-mail.	
Mail Subject	Type a title that you want to be in the subject line of the log e-mail message that the ZyXEL Device sends. Not all ZyXEL Device models have this field.	
Send Log To	The ZyXEL Device sends logs to the e-mail address specified in this field. If this field is left blank, the ZyXEL Device does not send logs via e-mail.	

Table 70 Log Settings			
LABEL	DESCRIPTION		
Send Alerts To	Alerts are real-time notifications that are sent as soon as an event, such as a DoS attack, system error, or forbidden web access attempt occurs. Enter the E-mail address where the alert messages will be sent. Alerts include system errors, attacks and attempted access to blocked web sites. If this field is left blank, alert messages will not be sent via E-mail.		
SMTP Authentication	SMTP (Simple Mail Transfer Protocol) is the message-exchange standard for the Internet. SMTP enables you to move messages from one e-mail server to another. Select the check box to activate SMTP authentication. If mail server authentication is needed but this feature is disabled, you will not receive the e- mail logs.		
User Name	Enter the user name (up to 31 characters) (usually the user name of a mail account).		
Password	Enter the password associated with the user name above.		
Log Schedule	 This drop-down menu is used to configure the frequency of log messages being sent as E-mail: Daily Weekly Hourly When Log is Full None. If you select Weekly or Daily, specify a time of day when the E-mail should be sent. If you select Weekly, then also specify which day of the week the E-mail should be sent. If you select future the provide the provide the three the future of the sent to construct the sent to construc		
	up. If you select None , no log messages are sent.		
Day for Sending Log	Use the drop down list box to select which day of the week to send the logs.		
Time for Sending Log	Enter the time of the day in 24-hour format (for example 23:00 equals 11:00 pm) to send the logs.		
Clear log after sending mail	Select the checkbox to delete all the logs after the ZyXEL Device sends an E-mail of the logs.		
Syslog Logging	The ZyXEL Device sends a log to an external syslog server.		
Active	Click Active to enable syslog logging.		
Syslog Server IP Address	Enter the server name or IP address of the syslog server that will log the selected categories of logs.		
Log Facility	Select a location from the drop down list box. The log facility allows you to log the messages to different files in the syslog server. Refer to the syslog server manual for more information.		
Log	Select the categories of logs that you want to record.		
Send Immediate Alert	Select log categories for which you want the ZyXEL Device to send E-mail alerts immediately.		
Apply	Click Apply to save your changes.		
Reset	Click Reset to begin configuring this screen afresh.		

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18.3 Log Descriptions

This section provides descriptions of example log messages.

 Table 71
 System Maintenance Logs

LOG MESSAGE	DESCRIPTION	
Time calibration is successful	The router has adjusted its time based on information from the time server.	
Time calibration failed	The router failed to get information from the time server.	
WAN interface gets IP:%s	A WAN interface got a new IP address from the DHCP, PPPoE, PPTP or dial-up server.	
DHCP client IP expired	A DHCP client's IP address has expired.	
DHCP server assigns%s	The DHCP server assigned an IP address to a client.	
Successful WEB login	Someone has logged on to the router's web configurator interface.	
WEB login failed	Someone has failed to log on to the router's web configurator interface.	
Successful TELNET login	Someone has logged on to the router via telnet.	
TELNET login failed	Someone has failed to log on to the router via telnet.	
Successful FTP login	Someone has logged on to the router via ftp.	
FTP login failed	Someone has failed to log on to the router via ftp.	
NAT Session Table is Full!	The maximum number of NAT session table entries has been exceeded and the table is full.	
Starting Connectivity Monitor	Starting Connectivity Monitor.	
Time initialized by Daytime Server	The router got the time and date from the Daytime server.	
Time initialized by Time server	The router got the time and date from the time server.	
Time initialized by NTP server	The router got the time and date from the NTP server.	
Connect to Daytime server fail	The router was not able to connect to the Daytime server.	
Connect to Time server fail	The router was not able to connect to the Time server.	
Connect to NTP server fail	The router was not able to connect to the NTP server.	
Too large ICMP packet has been dropped	The router dropped an ICMP packet that was too large.	
Configuration Change: PC = 0x%x, Task ID = 0x%x	The router is saving configuration changes.	
Successful SSH login	Someone has logged on to the router's SSH server.	
SSH login failed	Someone has failed to log on to the router's SSH server.	
Successful HTTPS login	Someone has logged on to the router's web configurator interface using HTTPS protocol.	
HTTPS login failed	Someone has failed to log on to the router's web configurator interface using HTTPS protocol.	

LOG MESSAGE	DESCRIPTION
%s exceeds the max. number of session per host!	This attempt to create a NAT session exceeds the maximum number of NAT session table entries allowed to be created per host.
<pre>setNetBIOSFilter: calloc error</pre>	The router failed to allocate memory for the NetBIOS filter settings.
readNetBIOSFilter: calloc error	The router failed to allocate memory for the NetBIOS filter settings.
WAN connection is down.	A WAN connection is down. You cannot access the network through this interface.

Table 72 System Error Logs

Table 73 Access Control Logs

LOG MESSAGE	DESCRIPTION
Firewall default policy: [TCP UDP IGMP ESP GRE OSPF] <packet direction=""></packet>	Attempted TCP/UDP/IGMP/ESP/GRE/OSPF access matched the default policy and was blocked or forwarded according to the default policy's setting.
<pre>Firewall rule [NOT] match:[TCP UDP IGMP ESP GRE OSPF] <packet direction="">, <rule:%d></rule:%d></packet></pre>	Attempted TCP/UDP/IGMP/ESP/GRE/OSPF access matched (or did not match) a configured firewall rule (denoted by its number) and was blocked or forwarded according to the rule.
Triangle route packet forwarded: [TCP UDP IGMP ESP GRE OSPF]	The firewall allowed a triangle route session to pass through.
Packet without a NAT table entry blocked: [TCP UDP IGMP ESP GRE OSPF]	The router blocked a packet that didn't have a corresponding NAT table entry.
Router sent blocked web site message: TCP	The router sent a message to notify a user that the router blocked access to a web site that the user requested.

Table 74 TCP Reset Logs

LOG MESSAGE	DESCRIPTION
Under SYN flood attack, sent TCP RST	The router sent a TCP reset packet when a host was under a SYN flood attack (the TCP incomplete count is per destination host.)
Exceed TCP MAX incomplete, sent TCP RST	The router sent a TCP reset packet when the number of TCP incomplete connections exceeded the user configured threshold. (the TCP incomplete count is per destination host.) Note: Refer to TCP Maximum Incomplete in the Firewall Attack Alerts screen.
Peer TCP state out of order, sent TCP RST	The router sent a TCP reset packet when a TCP connection state was out of order.Note: The firewall refers to RFC793 Figure 6 to check the TCP state.

LOG MESSAGE	DESCRIPTION
Firewall session time out, sent TCP RST	The router sent a TCP reset packet when a dynamic firewall session timed out. The default timeout values are as follows: ICMP idle timeout: 3 minutes UDP idle timeout: 3 minutes TCP connection (three way handshaking) timeout: 270 seconds TCP FIN-wait timeout: 2 MSL (Maximum Segment Lifetime set in the TCP header). TCP idle (established) timeout (s): 150 minutes TCP reset timeout: 10 seconds
Exceed MAX incomplete, sent TCP RST	The router sent a TCP reset packet when the number of incomplete connections (TCP and UDP) exceeded the user-configured threshold. (Incomplete count is for all TCP and UDP connections through the firewall.)Note: When the number of incomplete connections (TCP + UDP) > "Maximum Incomplete High", the router sends TCP RST packets for TCP connections and destroys TOS (firewall dynamic sessions) until incomplete connections < "Maximum Incomplete Low".
Access block, sent TCP RST	The router sends a TCP RST packet and generates this log if you turn on the firewall TCP reset mechanism (via CI command: "sys firewall tcprst").

Table 74	TCP Reset	Logs	(continued)	
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Table 75 Packet Filter Logs

LOG MESSAGE	DESCRIPTION
[TCP UDP ICMP IGMP	Attempted access matched a configured filter rule (denoted
Generic] packet filter	by its set and rule number) and was blocked or forwarded
matched (set:%d, rule:%d)	according to the rule.

Table 76 ICMP Logs

LOG MESSAGE	DESCRIPTION
<pre>Firewall default policy: ICMP <packet direction="">, <type:%d>, <code:%d></code:%d></type:%d></packet></pre>	ICMP access matched the default policy and was blocked or forwarded according to the user's setting. For type and code details, see Table 85 on page 184.
<pre>Firewall rule [NOT] match: ICMP <packet direction="">, <rule:%d>, <type:%d>, <code:%d></code:%d></type:%d></rule:%d></packet></pre>	ICMP access matched (or didn't match) a firewall rule (denoted by its number) and was blocked or forwarded according to the rule. For type and code details, see Table 85 on page 184.
Triangle route packet forwarded: ICMP	The firewall allowed a triangle route session to pass through.
Packet without a NAT table entry blocked: ICMP	The router blocked a packet that didn't have a corresponding NAT table entry.
Unsupported/out-of-order ICMP: ICMP	The firewall does not support this kind of ICMP packets or the ICMP packets are out of order.
Router reply ICMP packet: ICMP	The router sent an ICMP reply packet to the sender.

LOG MESSAGE	DESCRIPTION
<pre>board%d line%d channel%d, call%d,%s CO1 Outgoing Call dev=%x ch=%x%s</pre>	The router received the setup requirements for a call. "call" is the reference (count) number of the call. "dev" is the device type (3 is for dial-up, 6 is for PPPoE, 10 is for PPTP). "channel" or "ch" is the call channel ID.For example,"board 0 line 0 channel 0, call 3, C01 Outgoing Call dev=6 ch=0 "Means the router has dialed to the PPPoE server 3 times.
board%d line%d channel%d, call%d,%s CO2 OutCall Connected%d%s	The PPPoE, PPTP or dial-up call is connected.
<pre>board%d line%d channel%d, call%d,%s C02 Call Terminated</pre>	The PPPoE, PPTP or dial-up call was disconnected.

Table 77 CDR Logs

Table 78 PPP Logs

LOG MESSAGE	DESCRIPTION
ppp:LCP Starting	The PPP connection's Link Control Protocol stage has started.
ppp:LCP Opening	The PPP connection's Link Control Protocol stage is opening.
ppp:CHAP Opening	The PPP connection's Challenge Handshake Authentication Protocol stage is opening.
ppp:IPCP Starting	The PPP connection's Internet Protocol Control Protocol stage is starting.
ppp:IPCP Opening	The PPP connection's Internet Protocol Control Protocol stage is opening.
ppp:LCP Closing	The PPP connection's Link Control Protocol stage is closing.
ppp:IPCP Closing	The PPP connection's Internet Protocol Control Protocol stage is closing.

Table 79 UPnP Logs

LOG MESSAGE	DESCRIPTION
UPnP pass through Firewall	UPnP packets can pass through the firewall.

Table 80Content Filtering Logs

LOG MESSAGE	DESCRIPTION
%s: Keyword blocking	The content of a requested web page matched a user defined keyword.
%s: Not in trusted web list	The web site is not in a trusted domain, and the router blocks all traffic except trusted domain sites.
%s: Forbidden Web site	The web site is in the forbidden web site list.
%s: Contains ActiveX	The web site contains ActiveX.
%s: Contains Java applet	The web site contains a Java applet.
%s: Contains cookie	The web site contains a cookie.

LOG MESSAGE	DESCRIPTION
%s: Proxy mode detected	The router detected proxy mode in the packet.
%s	The content filter server responded that the web site is in the blocked category list, but it did not return the category type.
%s:%s	The content filter server responded that the web site is in the blocked category list, and returned the category type.
%s(cache hit)	The system detected that the web site is in the blocked list from the local cache, but does not know the category type.
%s:%s(cache hit)	The system detected that the web site is in blocked list from the local cache, and knows the category type.
%s: Trusted Web site	The web site is in a trusted domain.
%s	When the content filter is not on according to the time schedule or you didn't select the "Block Matched Web Site" check box, the system forwards the web content.
Waiting content filter server timeout	The external content filtering server did not respond within the timeout period.
DNS resolving failed	The ZyXEL Device cannot get the IP address of the external content filtering via DNS query.
Creating socket failed	The ZyXEL Device cannot issue a query because TCP/IP socket creation failed, port:port number.
Connecting to content filter server fail	The connection to the external content filtering server failed.
License key is invalid	The external content filtering license key is invalid.

Table 80	Content Filtering I	Logs ((continued))
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Table 81 Attack Logs

LOG MESSAGE	DESCRIPTION
attack [TCP UDP IGMP ESP GRE OSPF]	The firewall detected a TCP/UDP/IGMP/ESP/GRE/OSPF attack.
attack ICMP (type:%d, code:%d)	The firewall detected an ICMP attack. For type and code details, see Table 85 on page 184.
land [TCP UDP IGMP ESP GRE OSPF]	The firewall detected a TCP/UDP/IGMP/ESP/GRE/OSPF land attack.
<pre>land ICMP (type:%d, code:%d)</pre>	The firewall detected an ICMP land attack. For type and code details, see Table 85 on page 184.
ip spoofing - WAN [TCP UDP IGMP ESP GRE OSPF]	The firewall detected an IP spoofing attack on the WAN port.
ip spoofing - WAN ICMP (type:%d, code:%d)	The firewall detected an ICMP IP spoofing attack on the WAN port. For type and code details, see Table 85 on page 184.
<pre>icmp echo: ICMP (type:%d, code:%d)</pre>	The firewall detected an ICMP echo attack. For type and code details, see Table 85 on page 184.
syn flood TCP	The firewall detected a TCP syn flood attack.
ports scan TCP	The firewall detected a TCP port scan attack.
teardrop TCP	The firewall detected a TCP teardrop attack.

LOG MESSAGE	DESCRIPTION
teardrop UDP	The firewall detected an UDP teardrop attack.
<pre>teardrop ICMP (type:%d, code:%d)</pre>	The firewall detected an ICMP teardrop attack. For type and code details, see Table 85 on page 184.
illegal command TCP	The firewall detected a TCP illegal command attack.
NetBIOS TCP	The firewall detected a TCP NetBIOS attack.
ip spoofing - no routing entry [TCP UDP IGMP ESP GRE OSPF]	The firewall classified a packet with no source routing entry as an IP spoofing attack.
<pre>ip spoofing - no routing entry ICMP (type:%d, code:%d)</pre>	The firewall classified an ICMP packet with no source routing entry as an IP spoofing attack.
vulnerability ICMP (type:%d, code:%d)	The firewall detected an ICMP vulnerability attack. For type and code details, see Table 85 on page 184.
<pre>traceroute ICMP (type:%d, code:%d)</pre>	The firewall detected an ICMP traceroute attack. For type and code details, see Table 85 on page 184.

Table 81 Attack Logs (continued)

Table 82 PKI Logs

LOG MESSAGE	DESCRIPTION
Enrollment successful	The SCEP online certificate enrollment was successful. The Destination field records the certification authority server IP address and port.
Enrollment failed	The SCEP online certificate enrollment failed. The Destination field records the certification authority server's IP address and port.
Failed to resolve <scep ca="" server="" url=""></scep>	The SCEP online certificate enrollment failed because the certification authority server's address cannot be resolved.
Enrollment successful	The CMP online certificate enrollment was successful. The Destination field records the certification authority server's IP address and port.
Enrollment failed	The CMP online certificate enrollment failed. The Destination field records the certification authority server's IP address and port.
Failed to resolve <cmp CA server url></cmp 	The CMP online certificate enrollment failed because the certification authority server's IP address cannot be resolved.
Rcvd ca cert: <subject name></subject 	The router received a certification authority certificate, with subject name as recorded, from the LDAP server whose IP address and port are recorded in the Source field.
Rcvd user cert: <subject name=""></subject>	The router received a user certificate, with subject name as recorded, from the LDAP server whose IP address and port are recorded in the Source field.
Rcvd CRL <size>: <issuer name=""></issuer></size>	The router received a CRL (Certificate Revocation List), with size and issuer name as recorded, from the LDAP server whose IP address and port are recorded in the Source field.
Rcvd ARL <size>: <issuer name=""></issuer></size>	The router received an ARL (Authority Revocation List), with size and issuer name as recorded, from the LDAP server whose address and port are recorded in the Source field.

Table 82 PKI Logs (continued)

LOG MESSAGE	DESCRIPTION
Failed to decode the received ca cert	The router received a corrupted certification authority certificate from the LDAP server whose address and port are recorded in the Source field.
Failed to decode the received user cert	The router received a corrupted user certificate from the LDAP server whose address and port are recorded in the Source field.
Failed to decode the received CRL	The router received a corrupted CRL (Certificate Revocation List) from the LDAP server whose address and port are recorded in the Source field.
Failed to decode the received ARL	The router received a corrupted ARL (Authority Revocation List) from the LDAP server whose address and port are recorded in the Source field.
Rcvd data <size> too large! Max size allowed: <max size=""></max></size>	The router received directory data that was too large (the size is listed) from the LDAP server whose address and port are recorded in the Source field. The maximum size of directory data that the router allows is also recorded.
Cert trusted: <subject name></subject 	The router has verified the path of the certificate with the listed subject name.
Due to <reason codes="">, cert not trusted: <subject name=""></subject></reason>	Due to the reasons listed, the certificate with the listed subject name has not passed the path verification. The recorded reason codes are only approximate reasons for not trusting the certificate. Please see Table 85 on page 184 for the corresponding descriptions of the codes.

Table 83 802.1X Logs

LOG MESSAGE	DESCRIPTION
Local User Database accepts user.	A user was authenticated by the local user database.
Local User Database reports user credential error.	A user was not authenticated by the local user database because of an incorrect user password.
Local User Database does not find user`s credential.	A user was not authenticated by the local user database because the user is not listed in the local user database.
RADIUS accepts user.	A user was authenticated by the RADIUS Server.
RADIUS rejects user. Pls check RADIUS Server.	A user was not authenticated by the RADIUS Server. Please check the RADIUS Server.
Local User Database does not support authentication method.	The local user database only supports the EAP-MD5 method. A user tried to use another authentication method and was not authenticated.
User logout because of session timeout expired.	The router logged out a user whose session expired.
User logout because of user deassociation.	The router logged out a user who ended the session.
User logout because of no authentication response from user.	The router logged out a user from which there was no authentication response.
User logout because of idle timeout expired.	The router logged out a user whose idle timeout period expired.
User logout because of user request.	A user logged out.

LOG MESSAGE	DESCRIPTION
Local User Database does not support authentication method.	A user tried to use an authentication method that the local user database does not support (it only supports EAP-MD5).
No response from RADIUS. Pls check RADIUS Server.	There is no response message from the RADIUS server, please check the RADIUS server.
Use Local User Database to authenticate user.	The local user database is operating as the authentication server.
Use RADIUS to authenticate user.	The RADIUS server is operating as the authentication server.
No Server to authenticate user.	There is no authentication server to authenticate a user.
Local User Database does not find user`s credential.	A user was not authenticated by the local user database because the user is not listed in the local user database.

Table 83802.1X Logs (continued)

Table 84 ACL Setting Notes

PACKET DIRECTION	DIRECTION	DESCRIPTION
(L to W)	LAN to WAN	ACL set for packets traveling from the LAN to the WAN.
(W to L)	WAN to LAN	ACL set for packets traveling from the WAN to the LAN.
(L to L/P)	LAN to LAN/ ZyXEL Device	ACL set for packets traveling from the LAN to the LAN or the ZyXEL Device.
(W to W/P)	WAN to WAN/ ZyXEL Device	ACL set for packets traveling from the WAN to the WAN or the ZyXEL Device.

Table 85ICMP Notes

TYPE	CODE	DESCRIPTION
0		Echo Reply
	0	Echo reply message
3		Destination Unreachable
	0	Net unreachable
	1	Host unreachable
	2	Protocol unreachable
	3	Port unreachable
	4	A packet that needed fragmentation was dropped because it was set to Don't Fragment (DF)
	5	Source route failed
4		Source Quench
	0	A gateway may discard internet datagrams if it does not have the buffer space needed to queue the datagrams for output to the next network on the route to the destination network.
5		Redirect
	0	Redirect datagrams for the Network
	1	Redirect datagrams for the Host

TYPE	CODE	DESCRIPTION
	2	Redirect datagrams for the Type of Service and Network
	3	Redirect datagrams for the Type of Service and Host
8		Echo
	0	Echo message
11		Time Exceeded
	0	Time to live exceeded in transit
	1	Fragment reassembly time exceeded
12		Parameter Problem
	0	Pointer indicates the error
13		Timestamp
	0	Timestamp request message
14		Timestamp Reply
	0	Timestamp reply message
15		Information Request
	0	Information request message
16		Information Reply
	0	Information reply message

 Table 85
 ICMP Notes (continued)

Table 86 Syslog Logs

LOG MESSAGE	DESCRIPTION
<facility*8 +="" severity="">Mon dd hr:mm:ss hostname src="<srcip:srcport>" dst="<dstip:dstport>" msg="<msg>" note="<note>" devID="<mac address="" last="" three<br="">numbers>" cat="<category></category></mac></note></msg></dstip:dstport></srcip:srcport></facility*8>	"This message is sent by the system ("RAS" displays as the system name if you haven't configured one) when the router generates a syslog. The facility is defined in the web MAIN MENU->LOGS->Log Settings page. The severity is the log's syslog class. The definition of messages and notes are defined in the various log charts throughout this appendix. The "devID" is the last three characters of the MAC address of the router's LAN port. The "cat" is the same as the category in the router's logs.

The following table shows RFC-2408 ISAKMP payload types that the log displays. Please refer to the RFC for detailed information on each type.

LOG DISPLAY	PAYLOAD TYPE
SA	Security Association
PROP	Proposal
TRANS	Transform
KE	Key Exchange
ID	Identification
CER	Certificate
CER_REQ	Certificate Request
HASH	Hash

 Table 87
 RFC-2408 ISAKMP Payload Types

LOG DISPLAY	PAYLOAD TYPE
SIG	Signature
NONCE	Nonce
NOTFY	Notification
DEL	Delete
VID	Vendor ID

Table 87 RFC-2408 ISAKMP Payload Types (continued)

19

Tools

This chapter shows you how to upload a new firmware, upload or save backup configuration files and restart the ZyXEL Device.

19.1 Firmware Upload Screen

Find firmware at <u>www.zyxel.com</u> in a file that (usually) uses the system model name with a "*.bin" extension, e.g., "ZyXEL Device.bin". The upload process uses HTTP (Hypertext Transfer Protocol) and may take up to two minutes. After a successful upload, the system will reboot. See the Firmware and Configuration File Maintenance chapter for upgrading firmware using FTP/TFTP commands.

Click **Maintenance > Tools**. Follow the instructions in this screen to upload firmware to your ZyXEL Device.



Firmware	Configuration	Restart	
Firmware	Upgrade		
To upgr files can file. In s File Path	ade the internal rout be downloaded fror ome cases, you may	er firmware, browse n website. If the upg y need to reconfigure Browse	to the location of the binary (.BIN) upgrade file and click Upload . Upgrade rade file is compressed (.ZIP file), you must first extract the binary (.BIN) :
			Upload

The following table describes the labels in this screen.

 Table 88
 Maintenance Firmware Upload

LABEL	DESCRIPTION	
File Path	Type in the location of the file you want to upload in this field or click Browse to find it.	
Browse	Click Browse to find the .bin file you want to upload. Remember that you must decompress compressed (.zip) files before you can upload them.	
Upload	Click Upload to begin the upload process. This process may take up to two minutes.	



Do not turn off the ZyXEL Device while firmware upload is in progress!

After you see the **Firmware Upload In Process** screen, wait two minutes before logging into the ZyXEL Device again.

Figure 108 Upload Warning

ZyXE	
	Firmware Upload In Process
	Please Wait
Pi on the	ease wait for the device to finish restarting(PWR LED is steady). This should take about two minutes. To access a device after a successful firmware upload, you need to log in again. Check your new firmware version in the system status menu.

The ZyXEL Device automatically restarts in this time causing a temporary network disconnect. In some operating systems, you may see the following icon on your desktop.

Figure 109 Network Temporarily Disconnected



After two minutes, log in again and check your new firmware version in the Status screen.

If the upload was not successful, the following screen will appear. Click **Return** to go back to the **Firmware** screen.



tem Upload	
	Firmware upload error!
The uploaded file	was not accepted by the device. Please return to the previous page and select a valic upgrade file. Click Help for more information.
	Return

19.2 Configuration Screen

See the Firmware and Configuration File Maintenance chapter for transferring configuration files using FTP/TFTP commands.

Click **Maintenance > Tools > Configuration**. Information related to factory defaults, backup configuration, and restoring configuration appears as shown next.

Figure 111 Configuration



19.2.1 Backup Configuration

Backup configuration allows you to back up (save) the ZyXEL Device's current configuration to a file on your computer. Once your ZyXEL Device is configured and functioning properly, it is highly recommended that you back up your configuration file before making configuration changes. The backup configuration file will be useful in case you need to return to your previous settings.

Click Backup to save the ZyXEL Device's current configuration to your computer.

19.2.2 Restore Configuration

Restore configuration allows you to upload a new or previously saved configuration file from your computer to your ZyXEL Device.

LABEL	DESCRIPTION
File Path	Type in the location of the file you want to upload in this field or click Browse to find it.
Browse	Click Browse to find the file you want to upload. Remember that you must decompress compressed (.ZIP) files before you can upload them.
Upload	Click Upload to begin the upload process.

Table 89 Maintenance Restore Configuration



Do not turn off the ZyXEL Device while configuration file upload is in progress

After you see a "configuration upload successful" screen, you must then wait one minute before logging into the ZyXEL Device again.



The ZyXEL Device automatically restarts in this time causing a temporary network disconnect. In some operating systems, you may see the following icon on your desktop.

Figure 113 Temporarily Disconnected



If you uploaded the default configuration file you may need to change the IP address of your computer to be in the same subnet as that of the default ZyXEL Device IP address (192.168.1.1). See your Quick Start Guide for details on how to set up your computer's IP address.

If the upload was not successful, the following screen will appear. Click **Return** to go back to the **Configuration** screen.





19.2.3 Back to Factory Defaults

Pressing the **Reset** button in this section clears all user-entered configuration information and returns the ZyXEL Device to its factory defaults.

You can also press the **RESET** button on the rear panel to reset the factory defaults of your ZyXEL Device. Refer to the chapter about introducing the web configurator for more information on the **RESET** button.

19.3 Restart Screen

System restart allows you to reboot the ZyXEL Device without turning the power off.

Click **Maintenance > Tools > Restart**. Click **Restart** to have the ZyXEL Device reboot. This does not affect the ZyXEL Device's configuration.

Figure 115 System Restart

Firmware	Configuration	Restart		
System R	estart			
Click R ı stays st	e start to have the di eady on if the restar	evice perform a softwa t is successful. Wait a	re restart. The SYS(or PWR) LED blinks as the device restarts and th ninute before logging into the device again. Restart	in

20

Configuration Mode

Click **Maintenance > Config Mode** to open the following screen. This screen allows you to hide or display the advanced screens of some features or the advanced features, such as MAC filter or static route. **Basic** is selected by default and you cannot see the advanced screens or features. If you want to view and configure all screens including the advanced ones, select **Advanced** and click **Apply**.

Figure	116	Config	Mode
--------	-----	--------	------

General	
Configuration Mode	
Basic Basic C	
C Advanced	
	Apply Reset

The following table includes the screens that you can view and configure only when you select **Advanced**.

CATEGORY	LINK	ТАВ
Network	Wireless LAN	MAC Filter
		Advanced
		QoS
	WAN	Advanced
	LAN	IP Alias
		Advanced
	DHCP Server	Advanced
	NAT	Advanced
Security	Firewall	Services
	Content Filter	Schedule

 Table 90
 Config Mode: Advanced Screens

CATEGORY	LINK	ТАВ
Management	Static Route	IP Static Route
	Bandwidth MGMT	Advanced
		Monitor
	Remote MGMT	Telnet
		FTP
		DNS
Maintenance	Logs	Log Settings

 Table 90
 Config Mode: Advanced Screens

21

Troubleshooting

This chapter offers some suggestions to solve problems you might encounter. The potential problems are divided into the following categories.

- Power, Hardware Connections, and LEDs
- ZyXEL Device Access and Login
- Internet Access
- Advanced Features

21.1 Power, Hardware Connections, and LEDs

The ZyXEL Device does not turn on. None of the LEDs turn on.

- 7 Make sure you are using the power adaptor or cord included with the ZyXEL Device.
- **8** Make sure the power adaptor or cord is connected to the ZyXEL Device and plugged in to an appropriate power source. Make sure the power source is turned on.
- **9** Disconnect and re-connect the power adaptor or cord to the ZyXEL Device.
- **10** If the problem continues, contact the vendor.



One of the LEDs does not behave as expected.

- 1 Make sure you understand the normal behavior of the LED. See Section 1.5 on page 31.
- **2** Check the hardware connections. See the Quick Start Guide.
- **3** Inspect your cables for damage. Contact the vendor to replace any damaged cables.
- **4** Disconnect and re-connect the power adaptor to the ZyXEL Device.
- **5** If the problem continues, contact the vendor.

21.2 ZyXEL Device Access and Login

I forgot the IP address for the ZyXEL Device.

- 1 The default IP address is **192.168.1.1**.
- 2 If you changed the IP address and have forgotten it, you might get the IP address of the ZyXEL Device by looking up the IP address of the default gateway for your computer. To do this in most Windows computers, click Start > Run, enter cmd, and then enter ipconfig. The IP address of the Default Gateway might be the IP address of the ZyXEL Device (it depends on the network), so enter this IP address in your Internet browser.
- **3** If this does not work, you have to reset the device to its factory defaults. See Section 21.4 on page 199.



I forgot the password.

- 1 The default password is **1234**.
- **2** If this does not work, you have to reset the device to its factory defaults. See Section 21.4 on page 199.



I cannot see or access the Login screen in the web configurator.

- 1 Make sure you are using the correct IP address.
 - The default IP address is 192.168.1.1.
 - If you changed the IP address (Section 7.3 on page 102), use the new IP address.
 - If you changed the IP address and have forgotten it, see the troubleshooting suggestions for I forgot the IP address for the ZyXEL Device.
- 2 Check the hardware connections, and make sure the LEDs are behaving as expected. See the Quick Start Guide.
- **3** Make sure your Internet browser does not block pop-up windows and has JavaScripts and Java enabled. See Appendix B on page 207.
- **4** Make sure your computer is in the same subnet as the ZyXEL Device. (If you know that there are routers between your computer and the ZyXEL Device, skip this step.)
 - If there is a DHCP server on your network, make sure your computer is using a dynamic IP address. See Section 7.3 on page 102. Your ZyXEL Device is a DHCP server by default.
 - If there is no DHCP server on your network, make sure your computer's IP address is in the same subnet as the ZyXEL Device. See Section 7.3 on page 102.
- **5** Reset the device to its factory defaults, and try to access the ZyXEL Device with the default IP address. See Section 7.3 on page 102.

6 If the problem continues, contact the network administrator or vendor, or try one of the advanced suggestions.

Advanced Suggestions

- Try to access the ZyXEL Device using another service, such as Telnet. If you can access the ZyXEL Device, check the remote management settings and firewall rules to find out why the ZyXEL Device does not respond to HTTP.
- If your computer is connected to the WAN port or is connected wirelessly, use a computer that is connected to a LAN/ETHERNET port.



I can see the **Login** screen, but I cannot log in to the ZyXEL Device.

- 1 Make sure you have entered the password correctly. The default password is **1234**. This field is case-sensitive, so make sure [Caps Lock] is not on.
- **2** You cannot log in to the web configurator while someone is using Telnet to access the ZyXEL Device. Log out of the ZyXEL Device in the other session, or ask the person who is logged in to log out.
- **3** Disconnect and re-connect the power adaptor or cord to the ZyXEL Device.
- **4** If this does not work, you have to reset the device to its factory defaults. See Section 21.4 on page 199.



I cannot Telnet to the ZyXEL Device.

See the troubleshooting suggestions for I cannot see or access the Login screen in the web configurator. Ignore the suggestions about your browser.



I cannot use FTP to upload / download the configuration file. / I cannot use FTP to upload new firmware.

See the troubleshooting suggestions for I cannot see or access the Login screen in the web configurator. Ignore the suggestions about your browser.

21.3 Internet Access



I cannot access the Internet.

- 1 Check the hardware connections, and make sure the LEDs are behaving as expected. See the Quick Start Guide.
- **2** Make sure you entered your ISP account information correctly in the wizard. These fields are case-sensitive, so make sure [Caps Lock] is not on.
- **3** If you are trying to access the Internet wirelessly, make sure the wireless settings in the wireless client are the same as the settings in the AP.
- **4** Disconnect all the cables from your device, and follow the directions in the Quick Start Guide again.
- 5 If the problem continues, contact your ISP.



I cannot access the Internet anymore. I had access to the Internet (with the ZyXEL Device), but my Internet connection is not available anymore.

- 1 Check the hardware connections, and make sure the LEDs are behaving as expected. See the Quick Start Guide and Section 1.5 on page 31.
- **2** Reboot the ZyXEL Device.
- **3** If the problem continues, contact your ISP.



The Internet connection is slow or intermittent.

- 1 There might be a lot of traffic on the network. Look at the LEDs, and check Section 1.5 on page 31. If the ZyXEL Device is sending or receiving a lot of information, try closing some programs that use the Internet, especially peer-to-peer applications.
- 2 Check the signal strength. If the signal strength is low, try moving the ZyXEL Device closer to the AP if possible, and look around to see if there are any devices that might be interfering with the wireless network (for example, microwaves, other wireless networks, and so on).
- **3** Reboot the ZyXEL Device.
- **4** If the problem continues, contact the network administrator or vendor, or try one of the advanced suggestions.

Advanced Suggestions

- Check the settings for bandwidth management. If it is disabled, you might consider activating it. If it is enabled, you might consider changing the allocations.
- Check the settings for QoS. If it is disabled, you might consider activating it. If it is enabled, you might consider raising or lowering the priority for some applications.

21.4 Resetting the ZyXEL Device to Its Factory Defaults

If you reset the ZyXEL Device, you lose all of the changes you have made. The ZyXEL Device re-loads its default settings, and the password resets to 1234. You have to make all of your changes again.

You will lose all of your changes when you push the **RESET** button.

To reset the ZyXEL Device,

- **1** Make sure the **PWR LED** is on and not blinking.
- **2** Press and hold the **RESET** button for five to ten seconds. Release the **RESET** button when the **PWR** LED begins to blink. The default settings have been restored.

If the ZyXEL Device restarts automatically, wait for the ZyXEL Device to finish restarting, and log in to the web configurator. The password is "1234".

If the ZyXEL Device does not restart automatically, disconnect and reconnect the ZyXEL Device's power. Then, follow the directions above again.

21.5 Advanced Features

I can log in, but I cannot see some of the screens or fields in the Web Configurator.

You may be accessing the Web Configurator in Basic mode. Some screens and fields are available only in Advanced mode. Use the Maintenance > Config Mode screen to select Advanced mode.

I set up URL keyword blocking, but I can still access a Web site that should be blocked.

Make sure that you select the **Enable URL Keyword Blocking** check box in the Content Filtering screen. Make sure that the keywords that you type are listed in the **Keyword List**.

If a keyword that is listed in the **Keyword List** is not blocked when it is found in a URL, customize the keyword blocking using commands. See the Customizing Keyword Blocking URL Checking section in the Content Filter chapter.