

LW150 Sweex Wireless 150N router

Introduction

Please notice! On the included CD-ROM you will find the Setup Wizard. This easy install procedure will show you how to setup the router step-by-step.

- Do not expose the Sweex Wireless Broadband Router 150 Mbps to extreme temperatures. Do not place the device in direct sunlight or in the direct vicinity of heating elements.
- Do not use the Sweex Wireless Broadband Router 150 Mbps in extremely moist or dusty surroundings.
- Protect the device against powerful shocks and falls they may damage the internal electronics.
- Never attempt to open the device yourself, there are no serviceable parts inside. Opening the device will cause the
 warranty to lapse.

Package contents

In this package you will find:

- Wireless Broadband Router 150 Mbps
- UTP network cable RJ-45
- CD with setup wizard and this manual

If you find that any of the package contents are missing, please return the package to the sales point where it was bought.

Terminology list

This manual will contain a number of technical terms. It is important to know what they mean before you begin installing and configuring the router.

Router: This is the product you have just bought. A router acts as a boundary between two networks, WAN and LAN.
 UTP network cable RJ-45: From here on: network cable. A network cable is used for connecting network devices such as computers, moderns and routers. You may already have such a cable, the cable in the package contents is intended to connect the router to your modern.
 ISP: Internet Service Provider, this is the company that supplies you your Internet connection.



- Broadband modem:
 From here on: modem. Your modem is the device you already have or that has been
 supplied to you by your ISP that currently provides your internet connection. The two
 most common modem types are cable modems and ADSL modems, but other kinds
 of modems also exist.
 IAN:
 - LAN stands for "Local Area Network", in the case of this router, the LAN consists of the four yellow ports and the wireless network. With the router, all your computers will form a single LAN.
- WAN:
- Wireless security:

Whit form a single card. WAN stands for "Wide Area Network", in most cases this means the Internet. By default, the router's wireless network is not secured. This means that anyone in range (including your neighbours) can connect to the network and use your internet connection. Wireless security protects your network so that only authorised devices can gain access. Sweex recommends all users to secure their wireless network after installation using either the WPA or WPS methods explained further on in this manual.



1. Power LED:	This light indicates that the router receives power.
2. SYS LED:	A constantly blinking SYS light indicates correct functioning of the router.
3. WPS LED:	When this light blinks, it is possible to connect to the router with a WPS enabled device. For more information, see the "Securing your wireless network" chapter.
4. WLAN LED:	This light indicates that the wireless network is active. A flickering light indicates wireless activity.
5. LAN Port 4 - 1 LED:	This light indicates an active connection on the corresponding LAN port. A flickering light indicates network activity.
6. WAN Port LED:	This light indicates an active connection on the WAN port. A flickering light indicates WAN activity.

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Back



Installing the router

There are three ways of installing the router:

- The Setup Wizard program included on the CD
- The Simple setup described in this manual
- The Advanced setup also described in this manual.

The wizard and simple setup assume default settings and will work for most users. If you are an advanced user or if you know which setup method your ISP requires, you may proceed to the advanced setup immediately.



Simple setup

Simple setup is done in 7 steps:

- Disconnect the power to your modern. If one or more computers were connected to your modern using a network cable, disconnect them.
- 2. Use the included network cable to connect your modern to the blue WAN port of the router. Do not connect any computers yet!



- 3. Connect the power to your modern and wait until it's lights indicate normal operation
- 4. Connect the power to the router, and wait 1 minute to give the router time to start up and configure itself. This is important!



5. If you have any computers or other devices that were already connected by UTP network cable, you can now connect these cables to the yellow LAN ports of the router



6. Wait another minute. Your router is now installed! Wired computers now have internet access, for wireless computers one additional step is required, follow the instructions below for the Windows version you have.

Connecting to a wireless network

 Windows XP: Right click on your wireless adapter's icon at the bottom right of your screen and click "View Available Wireless Networks":



A window titled "Choose a wireless network" will appear. In this window, select the "Sweex LW150" entry, dick the "Connect" button and follow the instructions on screen:





 Windows Vista: Right click on the Network & Sharing Center icon in the bottom right of your screen, and click "Connect to a network":



A window titled "Connect to a network" will appear. In this window, select the "Sweex LW150" entry, dick the "Connect" button and follow the instructions on screen:

Show All	•	
1 100 1	instantion and the second	lte.
Sweex LW150	Unsecured network	an l
1 ano 100	000.0001000	.el
170		

Note: If you see a red cross near the network and the text: "The settings saved on this computer for the network do not match the requirements of the network", please refer to the troubleshooting section of this manual.

Advanced setup

Advanced setup can be done when you know exactly which settings your ISP requires or when the simple setup fails.

There are 5 possible configurations. We have listed them with instructions on how to configure them. To know which setting matches the settings required by your ISP, look at the list of providers further on in this manual. The list is made out of ISP's and their corresponding services. Behind each service is listed the required setting. Note: If any of the settings below do not work immediately, it is recommended to power down your modern, wait a few minutes and then connect the power to your modern again.

Logging in to the router:

For advanced setup, it is required that you login to the router to manually configure it correctly for your internet connection. To log in to the router, start Internet Explorer, empty the address bar and enter: http://192.168.15.1/, then press Enter. The following window should appear:

Connect to 19	2.168.0.1	?×
The server 192.1 username and pu Warning: This se password be sen without a secure	168.0.1 at Sweex LW150 requin ssoword. It in an insecure manner (basic a connection).	es a rname and suthentication
User name:	E sweex	M
Eassword:	mysweex	
	Demember my nacour	a.

Enter "sweex" as user name and "mysweex" as password, then click OK. If you are unable to login, please refer to the troubleshooting section of this manual.

The following screen should appear. Click next to start the advanced setup. If you see a different screen, click "Internet Configuration" in the menu on the left:

System Status		
Internet Configuration	Welcome to the Internet Connection Wizard	1
Advanced Settings	The wizard will help you configure the router and get access	
Wireless Network	to the internet.	
DICP Server	Peak	
Virtual Server		
Traffic Control		
URL Henitor		
Security Settings		
Routing Settings		
System Tools		
Local		



System Status		Help
Internet Configuration	Internet Configuration Wizard	There are two
Advasced Settings		configuration options to
Wireless Network	Select the connection to your Internet Provider.	connection: Setup Wizard or manual configuration in
+ DHCP Server	Openess IF / DHCE (Used by most Internet Providers.)	the menu. You may wish t
· Virtual Server	• 20%-E	service provider for your
Traffic Control	• PFIP	Connecting Provident.
· URL Monitor	421P	
Security Settings		
Routing Settings		
System Tools		
. Longet		

You should see the Internet Configuration Wizard screen:

You can now proceed with the advanced setup using one of the configurations described further on.

Checking if the router is successfully connected to the internet

For configurations 1 – 4, it is possible to check if you have a working internet connection. After applying the configuration, the router will process the changes and take you to the "System Status" page. If this does not happen, you can click "System Status" in the menu on the left. The status page looks as follows:



When the router has successfully connected to the internet, it will display "Internet Connection: Connected"

Configuration 1: DHCP with MAC address clone

Certain ISP's require a specific MAC address to be connected to their modem. If this is the case for your ISP, it is possible to clone the MAC address from your computer to the router's WAN port, so that your ISP will accept the router on their network. Note: Cloning your MAC address must be done from the computer that was originally connected to your modem, and this computer must be connected to your router by network cable. MAC address cloning normally does not work over wireless connections.

Click the "Dynamic IP / DHCP" button, you will see the following screen:



Click the "Clone MAC Address" button. You should see the MAC Address change. Then click the "Next" button and then "Apply"

Configuration 2: PPPoE

If your ISP requires the PPPoE connection type, click the "PPPoE" button. You will see the following screen:

SWEEX	LW150 SWEEX WIRELESS BROADBAND R	OUTER 150 MBPS
System Status Jaternet Configuration	Internet Configuration Wizard-PPPoE	Help There are two
Advanced Settings		configuration options to set up your Internet
Wireless Network	In order to access your Internet service provider's network, you are required to provide correct user account and	or manual configuration in
DHCP Server	password.	the menu. You may wish to contact your Internet
Virtual Server	Account:	service provider for your connectivity information.
Traffic Costrol		
URL Monitor	WAN MAC Address Clone. MAC Address	
Security Settings	Finations Default MAL Clares MAC Address	
Routing Settings	Attentions If your Internet Provider requires you to clone your MAC Address, click the "Clone NAC Address" button. If you are not	
System Tools	sure, don't change this setting.	
• Lopset	Back Next	
Billion and a second		

Enter your account name (user name) that has been provided to you by your ISP in the "Account" field and the corresponding password in the "Password" field. Clone your MAC address only if this is required by your ISP.



Note: Cloning your MAC address must be done from the computer that was originally connected to your modern, and this computer must be connected to your router by network cable. MAC address cloning normally does not work over wireless connections.

When finished, click the "Next" button and then "Apply".

Configuration 3: PPTP

If your ISP requires the PPTP connection type, click the "PPTP" button. You will see the following screen:

System Status Internet Configuration Advanced Settings Wireless Network	Informet Coolfiguration Wizard-9919 POTP Service (P) Address:	Help There are two configuration options to refu up your internet connector: Setup Wizard or manual configuration
DHCP Server	User Name: Ison@dest.add	the menu. You may wish t contact your Internet
Virtual Server Traffic Control	Address Mode: Static M	connectivity information.
URL Mosilter	Subret Mask: 255255250	
Security Settings	Default Gateway: 1010.08	
Routing Settings	Book Neal	
System Tools		
• Locust		

Fill out all fields as required by your ISP, click the "Next" button and then "Apply".

Configuration 4: L2TP

L2TP is very similar to PPTP. If your ISP requires the L2TP connection type, dick the "L2TP" button. You will see the following screen:



Fill out all fields as required by your ISP, click the "Next" button and then "Apply".

Configuration 5: Static IP

To configure the router's WAN port for a static IP address, click the "Static IP" button. You will see the following screen:

System States		ttele
Internet Configuration	Internet Configuration Wigard Static IP	There are two
Advanced Settlegs		configuration options b set up your internet
· Wireless Network	This Internet connection mode requires network address	connection: Setup Wiz
· DHCP Server	Promision from your arcente service provider. Prodees: [13]]4	the menu. You may win
Virtual Server	Subnet Mask: 255110	service provider for you
Traffic Control	Gateway: (9332	consectives more acon
URL Honitor	Server: [19383	
Security Settings	Server: (sptional)	
Roating Settings	WAN MAC Address Cone.	
System Inois	MAC Address:	
Lopost	Alteration Defail MN Clane MNC Address Alteration: If your bitannel Provider requires you to clane your MAC Address, click the "Clane MAC Address" button, if you are not	

Fill out all fields as required by your ISP, clone your MAC address only if this is required by your ISP.

Note: Cloning your MAC address must be done from the computer that was originally connected to your modem, and this computer must be connected to your router by network cable. MAC address cloning normally does not work over wireless connections.

When finished, click the "Next" button and then "Apply".

Wireless network configuration

It is recommended to only adjust wireless settings from a computer connected to the router by network cable, especially when changing wireless security settings. This will prevent the connection from being lost if you accidentally apply incorrect settings.



To adjust the wireless network configuration, first login to the router as described in the "Advanced Setup" chapter, then click "Wireless Network" in the menu on the left side. You will see the following screen:

System Status			Help
internet Configuration	Basic Settings		In this section you can o
Idvanced Settings	⊠ Enable		configure the wireless parameters such as SSE
Freless Network	Wreless		and Channel.
Barle Collins	Network Hode	11b/g/n mixed mode 💌	SSID: the wireless netwo
	SSID	Sween LM150	public name. The SSID is
ecarity Sellings	Broadcast(SSID)	©Enable ©Disable	must to enter
Idvanced Settings	Channel	00:00:20:01:02:08	SSID Broadcast: When t
WPS Settings	Courses No. 6		out wireless network, th
WDS Settings	Operating Hode	C Moled Mode C/Green Held	would detect the SSID
Access Control	BandWidth	C 20 @ 20/40	selected, the Router will
	Guard Interval	Olong @Auto	broadcast its own SSID
Connection Status	MCS	Auto w	
HCP Server	Reverse Direction	Othership @ Easthip	Channel: Select one from
rtsal Server	Grant(RDG)	Control Control	AutoSelect. As far as
ullic Control	Channel	Auto Select 14	which is used less for
and Control	Appreciation		preventing signal
KI. Moeitor	MSDU(A-MSDU)	©Disable O'Dhable	interference.
curity Settings	Apate Cane	a	Extension Channel: It co
uting Settings			network frequency.
estern Tools			

SSID

The most important setting in this screen is the SSID, this is the name of your wireless network, used for identification purposes. When SSID broadcast is enabled, you and everyone else in range of your network can see the name in the list of available wireless networks.

It is recommended that you change the SSID, the default SSID "Sweex LW150" can cause conflicts if multiple routers of this model are in range of eachother. When changing the SSID, you will need to connect to your wireless network again as described in the chapter "Connecting to a wireless network".

Channel

The Channel setting controls the frequency on which the router transmits it's wireless signal. With the default option, "AutoSelect", the router will scan all channels when powered up and automatically select the channel with the best signal conditions. Changing the channel is only recommended when you experience poor wireless performance of the router.

Other settings

These settings are for experts only and normally do not need to be changed. The default settings provide an optimal mix between performance and compatibility. This also applies to the advanced settings page accessible in the menu on the left.

After changing any of the settings, click the "Apply" button to apply the changes.

Securing your wireless network

Wireless security protects your wireless network so that only authorised devices can gain access. Sweex recommends all users to secure their wireless network. Securing your network should only be done after internet access through the router has successfully been set up.

There are three methods for securing your wireless network:

- WPA is a manual method of securing your network. You configure a network key and only devices with this key
 can access the network. You have to manually enter the key in each device that you want to grant access. WPA is
 supported by most devices and is the recommended method for securing your wireless network.
- WPS is built on top of WPA and enables automatic configuration and exchange of WPA keys through a PIN code or the simple push of a button. WPS is new and not widely supported yet.
- Some older devices, from 2005 or before and in some cases Windows 98, ME, 2000 and older Windows XP versions
 may not support WPA, in this case you will have to fall back to the older WEP method for wireless security. WEP
 is not recommended for normal operation since it is no longer considered fully secure by today's standards.

The Security Settings page can be accessed by clicking "Wireless Network" — "Security Setings" in the menu on the left side.

System Status		100
Internal Cooffgoration Advanced Settings Wireless Network Basic Settings	Security Settings SSID - "Sweek LY150" Security Mode Literar WPA/MPA2 - Perseal W WPA Algorithms 0 1327 0 ASS 0 ToStAAS Pass Traces	Select SSD: if the dual SSD is enabled in the Datic wireless setting, select the corresponde SSD to configure the wireless security.
Advanced Settings WPS Settings WDS Settings Access Control Connection Status	(en Jinnese literat (<u>BR</u>) scool	(5-13 AGCII dharada except / , and other lli- characters (10-26 He le characters (10-26 He characters) WN/WH/2: you can enable personal or mis mode, but you must m sure that the wireless client alse supports th
Virtual Server Traffic Centrol URL Monitor		selected encryption method.
Acuting Settings System Tools		



Method 1: WPA
Securing your network with WPA is done in 2 steps:
1. Select the following settings:
Security Mode: "Mixed WPA/WPA2 Personal"
WPA Algorithms: TKIP & AES
Pass Phrase: Here you have to set the network key (password) for your wireless network. This should be a
difficult to guess word or phrase. The minimum length for the pass phrase is 8 characters. We
also recommend you to write the pass phrase down and store it neur the router. If the pass

SAAFEY	LW150 SWEE	X WIRELESS BROADBAND	ROUTER 150 MBPS	
System Status			Help	
Ancernet Consiguration	WPS Coefig		You could setup security	
Advanced Settings	You could setup sec.	rity easily by choosing PIN or PBC	PBC method to do Wi-Fi	
Wireless Network	INCOME DO MITTIP	totette setap.	Protected Setup.	
Back Settlere	WPS Settings:	Otisable © Enable		
and a state	WPS mode:	@PBC OPIN		
Security Settings				
Advanced Settings	WPS Summary			
WPS Settings	WPS Current Statue:	Ide		
WINE Suffrage	WPS Configured:	Yes		
mos scorege	WPS SSID:	Sweex LW150		
Access Control	WPS Auth Mode:	WPA-PSKWPA2-PSK		
Connection Status	WPS Encryp Type:	TRIPAES		
DANCE Except	WPS Default Key	2		
UNICE STOTE		distant Color Descriptions		
Virtual Server	WPS Key(ASCII)	anati Middali anatisti "ushti Waa		
Traffic Control	AP PIN:	00660563		
Security Settlens				
	Save Reset C	X06		
Rosting Settings	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
System Tools				
N				

2. When finished, click the "Apply" button. If you were connected wirelessly, you will now observe that your connection is lost. Follow the steps described in the "Connecting to a wireless network" section of the manual to regain the (now secure) connection.

Method 2: WPS

For this method no additional settings are required, simply push the WPS button at the back of the router. After a few seconds, the WPS light at the front of the router will start to blink. As long as the light blinks, you are able to connect your WPS enabled device to the router. After a successful connection, the WPS light will stop blinking. To connect another WPS enabled device, simply push the button again before connecting.

After a WPS secured connection has been set up for the first time, all previously connected devices will lose their connection. You will have to connect them using the same WPS method or by manually entering the WPA key as described below.

To connect a non-WPS device to a WPS secured router, click "Wireless Network". "WPS Settings" in the menu on the left side, the "WPS Key (ASCII)" is the WPA key you can use for connecting non-WPS enabled devices.

System Status					Help
Internet Configuration	DHCP List&Bind	Sing			You can add the IP
Advanced Settings	Static IP				address and MAC addr
Wireless Network	IP Address 192.	168.15.			client list. Please note
DHCP Server	MAC Address	P Address MAC Ad	dress IP-MAC bind Del	ete	save the settings. Clid
DHCP Server			Petrosh		related DHCP client
DHCP List&Binding	Host Name	IP Address	MAC Address	Lease	
Virtual Server	Office	192.168.15.100	00:00:00:00:00:00	00:57:38	
Xeeffle Control		192.168.15.101	00:13:E0:C1:81:68	23:57:40	
Trans. Contros	sweer day	192.168.15.102	00:0C:6E:0A:68:89	23:59:55	
URL Monitor	International International				
Security Settings	Acoly Care				
Routing Settings					
System Tools					

Method 3: WEP

Securing your network with WEP is done in 2 steps:

1. Select the following settings:

Security Mode: "Mixed WEP"

Default Key: "Key 1"

- WEP Key 1: Here you have to set the network key (password) for your wireless network. This should be a difficult to guess 5 letter combination, or, if you change the key mode from "ASCII" to "HEX", a 10 digit code. We also recommend you to write the WEP key down and store it near the router. If the key is lost you please refer to the troubleshooting section of this manual.
- 2. When finished, click the "Apply" button. If you were connected wirelessly, you will now observe that your connection is lost. Follow the steps described in the "Connecting to a wireless network" section of the manual to regain the (now secure) connection.

Advanced features

In this chapter we will describe some of the advanced features in the router. The following sections assume basic knowledge of computer networking technology and terminology.

Static DHCP

By default, the router dynamically assigns IP addresses to all connected devices through the DHCP protocol. This is the most user-friendly method of network configuration but it can also lead to IP addresses that change over time or when a device reconnects. In certain cases this is undesirable behaviour, for example when you use port forwarding it is



necessary for the device's IP address to remain constant. One possible solution is to configure a static IP address in the device itself but this can cause problems when you also use the device on other networks. Another solution is to instruct the router to always assign the same IP address to the device. This is called static DHCP or DHCP address reservation. To setup static DHCP for a device, log in to the router as described in the "Advanced setup" chapter and click "DHCP Server" — "DHCP List & Binding" in the menu on the left. You will see the following screen:

SWEEX	LW150 SWE	EX WIREL	ESS BROADE	BAND ROU	TER 150 MBPS
System Status Internet Configuration	DHCP Liste	nding			Help You can add the IP
Advanced Settings	Static IP				address and MAC address manually to set the DHCP
Wireless Network	MAC Address				client list. Please note that you should click "Apply" to
DHCP Server	NO	IP Address MAC Ad	dress IP-MAC bind Del	ete	save the settings. Click "Refresh" to undate the
DHCP Server		1	Referato		related DHCP client
DHCP ListAtinding	Host Name	IP Address	MAC Address	Lease	The second second
Virtual Server	Office	192.168.15.100	00:00:00:00:00:00	00:57:38	
Traffic Centrol		192.168.15.101	00:13:E0:C1:81:68	23:57:40	
· URL Hositor		172-109-13-192	00.00.00.00.00	25.37.33	
Security Settings	Austy Ca	not			
· Routing Settings					
System Tools					
- Logest					
www.5webtz.com					

To configure a device for a static DHCP address, fill out the desired address and the device's corresponding MAC address in the Static IP section, then click the "Add" button and "Apply". Look at the list to see the IP and MAC addresses of all automatically configured devices currently active on your network.

Note: Do not assign static DHCP addresses in the range 192.168.15.100 to 192.168.15.200! This range is already used for dynamically assigned addresses. The addresses 192.168.15.1 (the router itself) and 192.168.15.255 (broadcast address) may also not be used.

Port forwarding (virtual server) and DMZ setup

For certain applications, devices and servers, it may be necessary so setup port forwarding for them to operate properly behind the router's firewall. This is because by default, the firewall blocks all incoming connections and allows only outgoing connections. For technical reasons the built-in firewall is inherent to the routing function and cannot be disabled completely.

Port forwarding instructs the router to accept an incoming connection on a certain port and forward it to the IP address of a device in your local network. Please note that use of the term port in this chapter refers to TCP or UDP ports and is not related to the physical WAN and LAN ports at the back of the router.

DMZ is a special case of port forwarding where the router is instructed to forward all incoming connections to the specified address.

System Status		Help
· Darrent consperation	Port Range Forwarding	Start/End Port:
Advanced Settings	The Router can be configured as a virtual server on behalf of local	number which ranges the
Wireless Network	directed to the local servers via the virtual server. This section deals	External ports used to se
· DISCO Comos	with the port range forwarding mainly. The Port Range Forwarding	applications.
- DICE MILLER	e-mail and other specialized Internet applications on your network.	
Virtual Server	NO. Start Port-End Port To IP Address Protocol Enable Delete	IP Address: Enter the IP address of t
Port Range Forwarding	1. 192.168.15 TCP P D	PC where you want to a
OHZ Settings	2. 192.168.15 TCP M	the appacations.
	3. 192.168.15 TCP M D	Protocol:
· Orap Settings	4. 192,168,15 TCP N D D	Select the protocol (TCP/UDP/Both) for the
Traffic Centrol	5. 192.168.15 TCP 💌 🗖	application.
URL Monitor	6. 192.168.15 TCP M	
Cornelly Cellings	7. 192.168.15. TCP 🛩 🔲	
Secondy Seconds	8. 192.168.15. TCP 💌 🔲	
 Routing Settings 	9. 192.168.15. TCP 💌 🗆 🗖	
System Tools	10. 192.168.15. TCP M .	
	Well-Known Service Port: (2003) M Alt in 1 M	

To setup port forwarding, login to the router as described in the "Advanced setup" chapter and click "Virtual Server" — "Port Range Forwarding" in the menu on the left. You will see the following screen:

To forward a single port, enter the desired port number twice in the first empty rule, enter the IP address that the port should be forwarded to and select the desired protocol, check the "Enable" checkbox and click the "Apply" button. To forward multiple adjacent ports at once, just enter the first port in the "Start Port" field and the last port in the "End Port field".

It is not possible to forward more than 10 port ranges.

For a DMZ, click "DMZ" in the menu on the left, enter the IP address of the device, check the "Enable" checkbox and click the "Apply" button.

Troubleshooting

This chapter of the manual will explain a number of common issues that you may run into and possible solutions.

- The CD Wizard cannot connect to the router and I cannot access the router at
- http://192.168.15.1/. Windows indicates that I have a working network connection.
- > This issue may arise from incorrect IP settings on your computer. You can check and adjust your settings as follows:



Windows Vista

1. Click the start button at the bottom right of your screen and click "Control Panel"



 In the Control Panel, click "View network status and tasks". If your Control Panel is in classic view, open the "Network and Sharing Center" icon:



3. The Network and Sharing Center window should now open.

In the Network and Sharing Center, click "Manage network connections" in the bar on the left side:



4. Right click the first connected LAN or High-Speed Internet Connection, in this example the "Local Area Connection", and click "Properties" from the context menu. If you have multiple connected connections, repeat steps 4 to 7 for each connection:





 The connection's property window appears. In this windows, select the "Internet Protocol Version 4" from the list of items and click the "Properties" Button:

	section Properties	lat a
Networking		
Connect using:		
Reatek RT	L8139/810x Family Fast Eth	ernet NIC
This connection u	ses the following items:	Configure
Clent for	ket Scheduler	
File and File a	Printer Sharing for Microsoft I Pertocol Venico 6 (TCP/IPv) Pertocol Venico 4 (TCP/IPv) er Topology Discovery Mapp er Topology Discovery Resp	Networks er I/O Driver onder
M Fie and Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Hereiter Herei	Printer Sharing for Microsoft I Protocol Venicon & (TCP/IPv/ Protocol Venicon 4 (TCP/IPv er Topology Discovery Resp Lininstal	Networks Properties

6. The Internet Protocol Version 4's property window appears. In this window, ensure that both settings are set to "Obtain automatically":

eneral	Alternate Configuration				
You can this cap for the	aget IP settings assigned auto ability. Otherwise, you need appropriate IP settings.	omatically if to ask your i	your n tetwor	etwork k admir	supports istrator
	otain an IP address automatic	ally			
OU	e the following IP address:				
Pac	idress:				
Sgbr	iet mask:				
Defa	ult gateway:				
	gtain DNS server address auto	matically			
0.0	the following DNS server ac	dresses:			
Brefe	arred DNS server:				
Aker	nate DNS server:				
				Ady	anced
Alter	nate DNS server:			Ady	anced.

7. Confirm the settings by clicking "OK". The network settings for Vista are now properly configured for your router.

Windows XP

1. Click the start button at the bottom right of your screen and click "Control Panel"



 In the control panel, dick "Network and Internet Connections and open the "Network Connections" icon. If your control panel is in Classic View, you may open the "Network Connections" icon straightaway.





 Right click the first connected LAN or High-Speed Internet Connection, in this example the "Local Area Connection", and click "Properties" from the context menu. If you have multiple connected connections, repeat steps 3 to 6 for each connection.



 The connection's property window appears. In this windows, select the "Internet Protocol" from the list of items and click the "Properties" Button:

Local Area Connection Propert	ies	2
General Authentication Advanced		
Connect using:		
Intel(R) 82559 Fast Ethemet LAN	on Motherb	oard
	Г	Configure
This opmection uses the following items	6	
Clerit for Microsoft Networks		
File and Printer Sharing for Min	ound Netwo	where:
V Bost Dariet Cabat dar		
A		
Intel Inertif	1	Proster
	-	riopenes
Description	and the second second	
Transmission Control Protocol/Interne wide area network protocol that provi across diverse interconnected netwo	t Piolocol. 1 des commu ks.	The default nication
Shogy icon in notification area when	connected	
	0K	- Court

 The Internet Protocol's property window appears. In this window, ensure that both settings are set to "Obtain automatically":

General Alternate Configuration	
You can get IP settings assigne this capability. Otherwise, you n the appropriate IP settings.	d automatically if your network supports eed to ask your network administrator for
ODblain an IP address auto	matically
O Uge the following IP addre	ar.
IP address:	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
Sybriet mask:	
Default gateway:	
Oblain DNS server addres	automatically
O Use the totoming DIVS set	Ver addresses:
Preferred DNS server:	12 12 JUL
Alternate DNS server.	
	Advanced

6. Confirm the settings by clicking "OK". The network settings for XP are now properly configured for your router.

- I appear to be connected but Internet Explorer still displays an error message "Internet Explorer cannot display the webpage" or similar.
- > This problem may arise from incorrect proxy server settings. You can adjust these settings as follows:

1. In Internet Explorer, click the "Tools" menu or icon and chose "Internet Options".





2. The "Internet Options" window will now open.



3. In this window, click the "Connections" tab and in this tab, the "LAN Settings" button.

Automatic co use of manua	nfiguration I settings,	' n may over , disable au	ride man tomatic (ual setting configurati	s. To ensure the on.
Automatic	ally detec	t settings			
Use auton	natic confi	guration g	cript		
Addgess]
Proxy server					
Use a pro dial-up or	y server VPN conn	for your Li ections).	AN (Thes	e settings	will not apply to
Address:			Ports	8080	Advanged
✓ Bypas	s proxy se	erver for lo	cal addre	isses	·

- 4. The "LAN Settings" window will now open. Ensure that all checkboxes are unchecked and confirm the settings by clicking "OK"
- My computer indicates that it is not connected to a network.
- > This problem is usually resolved by carefully checking all connections and indicator lights. For a wired computer, follow the network cable to the router's backside. It must be plugged in to one of the yellow LAN ports. The yellow ports are also numbered and corresponding to each LAN port there is an indicator light at the front of the router. This light must be lit to indicate a working connection. If the light is off, fiddle the cable or try a different cable. For a wireless computer, check the wireless connection status icon at the bottom right of your screen, there should not be a red cross. If you see a red cross, follow the steps described in the "Connecting to a wireless network" section of the manual.



- I have Windows Vista and I get the error message "the settings saved on this computer for the network do not match the requirements of the network" when I try to connect wirelessly.
 This problem can be solved as follows:
- In the Control Panel, click "View network status and tasks". If your Control Panel is in classic view, open the "Network and Sharing Center" icon:



The Network and Sharing Center window should now open. In the Network and Sharing Center, click "Manage wireless networks" in the bar on the left side:

Network and Inte	ernet > Network and Sharing Cent	er • 44 Search	
Tasks View computers and devices	Network and Sharing C	enter	View full ma
Connect to a network <u>Manage wireless retworks</u> Set up a consection or network Manage network connections	(This compute		- O
	Private netwo	4)	Customiz
	Access	Local and Internet	
	Connection	LAN-verbinding	View statu
	B Sharing and Discovery		
	Network discovery	e On	۲
	File sharing	9 On	
	Public folder sharing	e Off	
	Printer sharing	Off (no printers installed)	9
	Password protected sharing	e 0ff	9
ine size	Media sharing	e 0ff	
eternet Options	Show me all the files and folds	rs I am sharing	
	Chow one of the shared nature	de failders on this comparter	



- 3. The Manage Wireless Networks window now opens. In this window, select the conflicting network and click "Delete". After the network has been deleted, you can close the window and follow the steps described in the "Connecting to a wireless network" section of the manual.
- I have lost the WPA or WEP key required to access my wireless network.
- > There are two possible solutions for this issue:
- Access the router from a computer that is connected by network cable as described in the "Advanced setup" section of this manual. Click "Wireless Network" — "Security Settings", you can view the key there.
- Reset the router to it's factory default settings, which is an unsecured network. The reset procedure is described in the following item.
- My router no longer responds, or I want to start with a clean sheet.
- > This can be solved by resetting the router to its factory default settings. After the reset, your router will be as you unpacked it and you have to install it again according to this manual. To reset the router, unfold a paperclip and use it to press the reset button at the backside of the router for 15 seconds.
- I want to connect more than 4 wired devices to the router. How can I expand the number of ports?
- > This can be done by connecting an Ethernet network switch to one of the LAN ports.

Specifications

- Supports IEEE 803.3 10BASE-T and 803.3u 100BASE-TX
- 1 x WAN, 4 x LAN UTP ports RJ-45 10/100 Mbps
- · Built-in Firewall, NAT, UPnP and Port Forwarding
- Supports IEEE 802.11b/g, IEEE 802.11n draft 4.0 (draft 2.0 compatible)
- Supports WEP/WPA/WPA2 wireless security with TKIP / AES encryption
- · Supports WPS for easy wireless security (PBC & PIN)
- · Wizard & Web-based configuration
- Wireless datarate 150 Mbps
- · Operating Frequency 2.4 GHz

Additional specifications

- Supports DHCP (dynamic IP), PPTP, Static IP, PPPoE, L2TP
- · Supports VPN pass through, DDNS
- Supports Wi-Fi Multimedia (WMM), Wireless Distribution System (WDS)
- Supports Auto MDI / MDIX
- Ralink Chipset

- Non-detachable 2 dBi internal antenna
- Transmission power: 20 dBm @ 15 Mbps, 15 dBm @ 150 Mbps, 100 mW max
- Receive sensitivity: 150M: -71 dBm @ 10% PER; -54M: -78 dBm @ 10% PER; 11M: -91 dBm @ 8% PER; 6M: -94 dBm @ 10% PER; 1M: -95 dBm @ 8% PER

Power adapter specifications:

• Output: 9 V AC, 1 A

Router defaults

- IP Address: 192.168.15.1
- Username: sweex
- Password: mysweex
- SSID: Sweex LW150
- · Connection type: DHCP

Warranty

- · For this Sweex product a three year warranty period applies, beginning from of the date of purchase.
- . In case of defect, return the product to your reseller with failure description, proof of purchase and all accessories.
- Warranty will be void in case of opened products, physical damage, misuse, modification, repair by unauthorised
 persons and using the product for other purposes than its intended use.
- We do not give support or warranty on supplied software, rechargeable batteries and batteries. Transaction of
 warranty only takes place at the sales point where the product is bought.

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