P-660HN(U)-Tx v2

802.11n2x2 WirelessADSL2+4-portGateway

QuickStartGuide

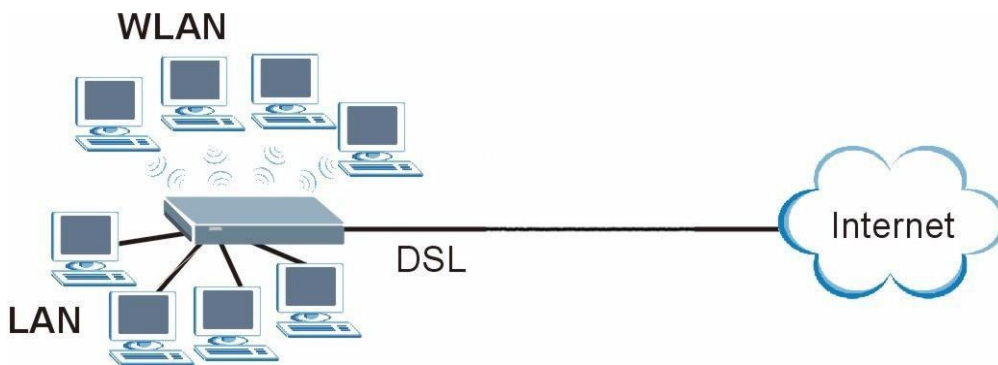Version3.10

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Edition2

Overview

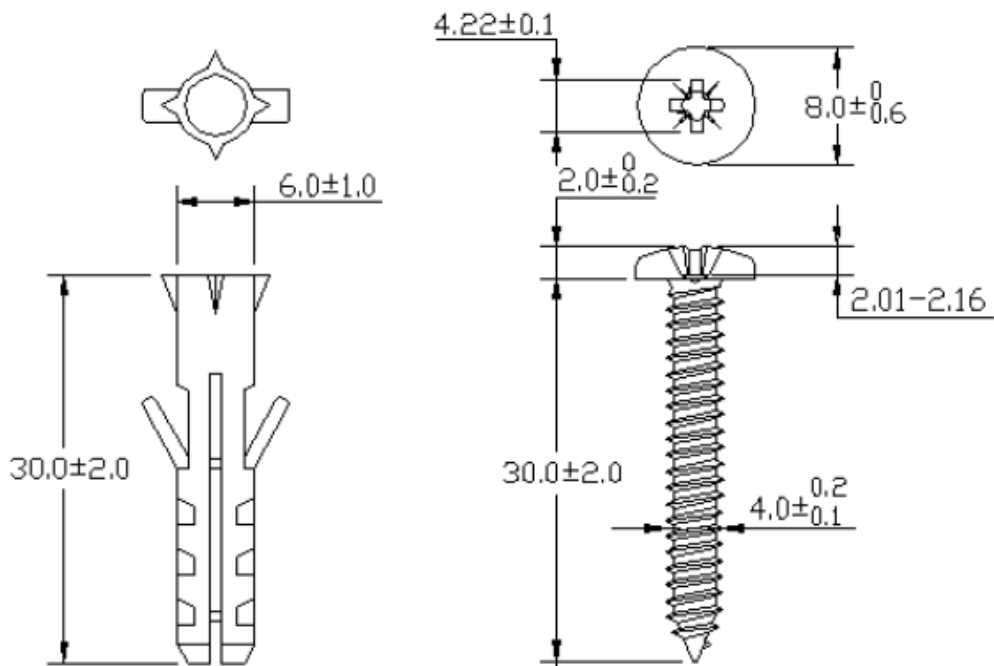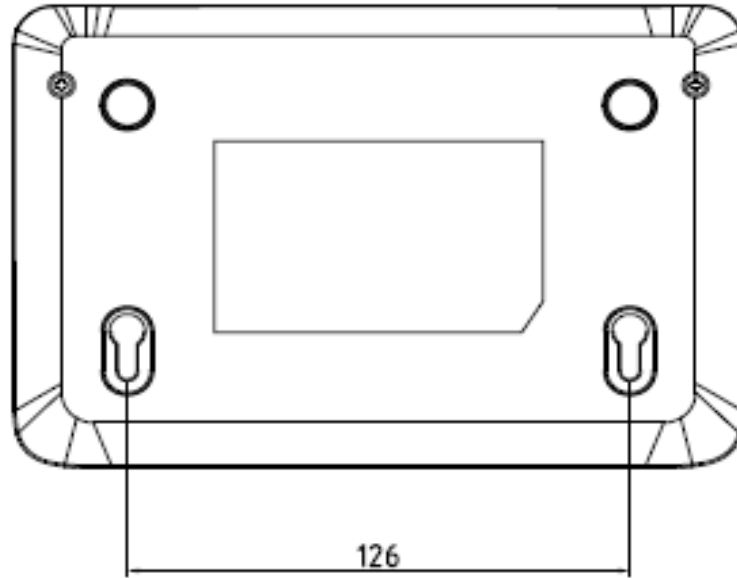TheP-660HN(U)-Tx v2isawirelessADSLrouterwithafour-portbuilt-inswitch.

ThisQuickStartGuideshowsyouhowtousetheP-660HN(U)-Tx v2to

connecttotheInternetandhowto configurethedevice

settingstoconnectwirelesslyy.

SeeyourUser'sGuideforbackgroundinformationonallfeatures.

Quick Login Information

LANIPaddress	http://192.168.1.254
defaultadministratorpassword	Check back label for the info

If you want to mount this product onto the wall, please follow below step.

Step 1: use screws (Dimension:4.0mm) fix bracket into the wall

Step 2: put equipment mount on bracket

Note: The device is designed to allow both vertical and wall mounted usage.

HardwareConnections

1DSL:UsethegraytelephonewiretoconnectyourP-660HN(U)-Tx v2**DSL**porttoatelephonejack(or to themodemportonasplitterifyouareusingone).

2ETHERNET:UsetheyellowEthernetcabletoconnectacomputertoan**ETHERNET**portfor initialconfigurationand/orInternetaccess.

3POWER:Usetheincludedpoweradaptortoconnectanappropriatepowersource tothe**POWER**socket. Makesurethepowersourceison.

4Pushin the**POWER**button.

5Look atthe lightsonthe frontpanel.

• The**POWER**lightblinkswhileyourP-660HN(U)-Tx v2startsupandstays ononceitisready.

• Each**ETHERNET**lightstaysonifthe corresponding**ETHERNET**portisproperlyconnectedandblinks whenthereistraffic.

• The**DSL**lightisonwhenthe P-660HN(U)-Tx v2hasaDSLconnection.

•

The**INTERNET**lightisonwhenyouareabletoaccesstheInternetandblinkswhe ntheP-660HN(U)-Tx v2

Issendingorreceivingdata.Waita couple

ofminuteswhileyourdevicecheckstheconnection.

Ifanyoftheselightsarenoton,checkyourconnectionsandinspectyourcablesfo

rdamage.Ifthe lights are stilloff,contactyourlocalvendor.

2InternetConnectionSetup:Automatic

Usethissectionto haveyourP-660HN(U)-Tx

v2automaticallydetectandsetupyourInternetconnection.

1Openyourwebbrowserto awebsite.WaitwhileyourP-660HN(U)-Tx

v2triestodetectyourDSLconnectiontoyourISP.Thismaytakea fewminutes.

2Afteritdetectstheconnection,theDSLlightshowsgreenonyourdeviceandthe

Internetlightcomeson when theInternetisreadyforyouto use.If

youhaveaPPPoEconnection,youwillhavetoenteryourusernameandpasswo

rd.

3Gotosection3ifyouwishtoconfigureyourwirelesssettings.

4 If you do not see the connection test screen, or the connection test is not

successful,   follow   the

instructionsinthescreenbelow,orcheckyourconnectionsandrestarttheP-

660HN(U)-Tx   v2.Ifyoustillcannot   accessthe

Internet,followthestepsinsection3.

3ConfiguringyourWirelessSettings

To create a wireless network, the P-660HN(U)-Tx v2 and your wireless computer must all use the same SSID (network name), channel and security settings.

If you do not set wireless security then anyone within range could use your P-660HN(U)-Tx v2 to access your network and the Internet.

Choose WPA-PSK wireless security if your wireless device supports it as it is stronger than WEP. Otherwise choose WEP.

1 Select **Active** and click **Next** to continue. It is strongly recommended that **Enable OTIST** is NOT selected. See section **7** for more information.

2 Configure your wireless settings in the screen. Click **Next**.

3 If you select either **WEP** or **WPA-PSK** security (recommended), then follow the directions to enter the appropriate key. Click **Next** to continue and **Apply** to save your wireless LAN settings.

4 Check your configuration and write down your wireless LAN settings for later use. Click **Finish** to complete and save the wizard setup.

5 Your Internet is ready for you to use. Open your browser and navigate to your favorite website.

4InternetConnectionSetupUsingAdvancedSettings

UsethissectiontosetupyourInternetconnectionmanuallyif youdonotseethe

ISPParametersforInternet

Accessscreenwhenyourun thewizard(see section4,step4).

1Loginagain.(Followsteps1to5in section3.)

2Select**GotoAdvancedsetup**.Then,click**Apply**.

3The**Status**screenappears.Click**Network**>**WAN**inthenavigationpanelonth

eleftofthescreen.

4 Enterthe informationexactlyasprovidedbyyourISP.Click**Apply**.

5IfyoustillcannotaccesstheInternet,see**Troubleshooting**and/orcontactyour

InternetServiceProvider

(ISP)forassistance.

Troubleshooting

1Ifyoucannotaccessthewebconfigurator,

• YourcomputermaybesettouseastaticlPaddressinadifferentsubnetfromthe

ZyXELdevice.See the appendixinthe

User'sGuideforinformationonsettingupyourIP address.

•

IfyouareusingInternetExplorerinWindowsXPorWindowsServer2003,makes

ureyouallowpop-up

windows,JavaScriptsandJavapermissionsorsettheInternetsecuritylevellow

erthan**High**inInternet Explorer(in

InternetExplorer,click**Tools>InternetOptions>Security >CustomLevel...**)

.Seethe appendixin theUser'sGuideformoreinformation.

2IfyoucannotaccesstheInternetwhenyourcomputerisconnectedtothe**ETHER**

NETport,followthese steps.

A)Checkthe lightsonthefrontpanel.If theyaredifferentfromwhatisdescribedin

section1,makesure theP-660HN(U)-Tx

v2iscorrectlyconnected.(Seesection1.)Ifthelightsarestilldifferent,turnoffthe

device, waitafewseconds,andturniton again.

B) Checkyouhavecorrectlyenteredtheinformationyour

ISPgaveyou.Forexample,if youraccounthas

ausernameandpassword,makesureyoutype

itcorrectly.Inaddition,ifyouarenotsurewhich encapsulationyour ISP

uses,contactyourISP.IfyourISPdidnotgiveyou Internetconnection

information,followthestepsinsection2.

C)IfyouareusinganewInternetaccount,contactyourISPtomakesureitisactive.

D)Ifyoustillhaveproblems,see**Troubleshooting**intheUser'sGuide.

IfyoucannotaccesstheInternetafteryoutake the stepsabove,eithertrythe

followingorcontactyourISP:

E)TurnyourP-660HN(U)-Tx v2offandon. OpenyourInternetbrowserif

itisnotalreadyopen.

Letthe P-660HN(U)-Tx v2completetheDSLconnectiontest(this maytake

severalminutes).See section2for details.

Ifthetestissuccessful,checkwhetheryoucanaccessthe Internet.

IfyoustillcannotaccesstheInternet,contactyourInternetServiceProvider.

3Ifyoucannotaccessthe Internetusingthe

wirelessnetwork,followthesesteps.

A)Onacomputerinthewirelessnetwork,openyourbrowser,andgoto

http://192.168.1.254.Ifyouseethe loginscreenin

section3,followsuggestionsA-Fabove.Ifyou do not,gotothenextstep.

B)OnacomputerconnectedtotheP-660HN(U)-Tx v2,make sureyourP-

660HN(U)-Tx v2and thecomputersonyour

wirelessnetworkareusingthesamewirelessandwirelesssecuritysettings.Se

ethe chapteron WirelessLANinthe User'sGuideformoreinformaction.

ViewingYourProduct'sCertifications

1Goto www.zyxel.com.

2Selectyourproductfromthedrop-downlistboxonthe

ZyXELhomepagetogoto thatproduct'spage.

3Selectthecertificationyouwish toviewfromthispage.

CustomerInformationStatement

Theinformationinformingtheuserofhis/herandthetelephonecompany'sright sandobligationsisoutlined onthe followingpages.Thisinformationwillbeincludedinthe finalversionofthe manual.

CustomerInformation

1ThisequipmentcomplieswithPart68oftheFCCrulesandthe requirementsadoptedbythe ACTA.On bottomofthisequipmentisalabelthatcontains,amongotherinformation,aprod uctidentifierofQWEST P-660HN(U)-Tx v2.Ifrequested,thisnumbermustbeprovidedto the telephonecompany.

2IfthisequipmentDLcausesharmto thetelephonenetwork,the telephonecompanywillnotifyyouin advancethattemporarydiscontinuanceofservicemayberequired.Butifadvan cenoticeiisn'tpractical, the telephonecompanywillnotify the customerassoonaspossible. Alsoyouwillbeadvisedof yourright tofilea complaintwiththeFCCifyoubelieveitisnecessary.

3The telephonecompanymaymakechangesinits facilities,equipment,operationsorproceduresthatcouldaffecttheoperationoft heequipment.Ifthishappens,thetelephonecompanywillprovideadvance noticeinorderforyouto make necessarymodificationtomaintainuninterruptedservice.

4 Ifyouexperiencetroublewiththisequipment,youdisconnectitfromthenetworku

ntiltheproblemhas

beencorrectedoruntilyouaresurethattheequipmentisnotmalfunctioning.

5 Pleasefollowinstructionsfor repairing if

any(e.g.batteryreplacementsection);otherwisedonotalternate

orrepairanypartsofdeviceexceptspecified.

6 Connectionto partylineserviceissubjectto statetariffs.Contactthestate

publicutilitycommission,public

servicecommissionorcorporationcommissionforinformation.

7 If the

telephonecompanyrequestsinformationonwhatequipmentisconnectedtoth

eirlines,informthem of:

a Theringerequivalencenumberis02

b) TheUSOCjackrequiredRJ14,and

c) TheFCCRegistrationNumberUS:1RODL02BP-660HN(U)-Tx v2

Item(a)and(c) areindicatedon thelabel.The

ringerequivalencenumber(REN)isusedto determinehow

manydevicescanbeconnectedto yourtelephoneline.Inmostareas,the

sumofthe RENsofalldeviceson

Anyonelineshouldnotexceedfive(5.0).Iftoomanydevicesareattached,they

maynotringproperly.

8 Ifyourhomehasspeciallywiredalarmequipmentconnectedtothetelephonelin e,ensurethe installation ofthisequipmentdoesnotdisablealarmequipment;consultyourtelephonecom panyora qualifiedinstaller.

Certifications

Federal Communications Commission (FCC) Interference Statement

The device complies with Part 15 of FCC rules. Operation is subject to the following two conditions:

. This device may not cause harmful interference.

. This device must accept any interference received, including interference that may cause undesired operations.

This device has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This device generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this device does cause harmful interference to radio/television reception, which can be determined by turning the device off and on, the user is

encouraged to try to correct the interference by one or more of the

following measures:

1 Reorient or relocate the receiving antenna.

2 Increase the separation between the equipment and the receiver.

3 Connect the equipment into an outlet on a circuit different from that to

which the receiver is connected.

4 Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement

. This transmitter must not be co-located or operating in conjunction with

any other antenna or transmitter.

. IEEE 802.11b or 802.11g or 802.11n (20MHz) operation of this product

in the U.S.A. is firmware-limited to channels 1 through 11. IEEE 802.11n

(40MHz) operation of this product in the U.S.A. is firmware-limited to

channels 3 through 9.

. To comply with FCC RF exposure compliance requirements, a

separation distance of at least 20 cm must be maintained between the

antenna of this device and all persons.

Safety Warnings

. Do NOT use this product near water, for example, in a wet basement or near a swimming pool.

. Do NOT expose your device to dampness, dust or corrosive liquids.

. Do NOT store things on the device.

. Do NOT install, use, or service this device during a thunderstorm. There is a remote risk of electric shock from lightning.

. Connect ONLY suitable accessories to the device.

. Do NOT open the device or unit. Opening or removing covers can expose you to dangerous high voltage points or other risks. ONLY qualified service personnel should service or disassemble this device. Please contact your vendor for further information.

. Make sure to connect the cables to the correct ports.

. Place connecting cables carefully so that no one will step on them or stumble over them.

. Always disconnect all cables from this device before servicing or disassembling.

. Use ONLY an appropriate power adaptor or cord for your device.

. Connect the power adaptor or cord to the right supply voltage (for

example, 110V AC in North America or 230V AC in Europe).

. Do NOT allow anything to rest on the power adaptor or cord and do NOT place the product where anyone can walk on the power adaptor or cord.

. Do NOT use the device if the power adaptor or cord is damaged as it might cause electrocution.

. If the power adaptor or cord is damaged, remove it from the device and the power source.

. Do NOT attempt to repair the power adaptor or cord. Contact your local vendor to Order a new one.

. Do not use the device outside, and make sure all the connections are indoors. There is a remote risk of electric shock from lightning.

. Do NOT obstruct the device ventilation slots, as insufficient airflow may harm your device.

. Use only No. 26 AWG (American Wire Gauge) or larger telecommunication line cord.

. Antenna Warning! This device meets ETSI and FCC certification requirements when using the included antenna(s). Only use the included antenna(s).

. If you wall mount your device, make sure that no electrical lines, gas or water pipes will be damaged.

Your product is marked with this symbol, which is known as the WEEE

mark. WEEE stands for Waste Electronics and Electrical Equipment. It

means that used electrical and electronic products should not be mixed

with general waste. Used electrical and electronic equipment should be

treated separately

Information to user

CAUTION: changes or

modifications not expressly approved by the party responsible for

compliance could void the user's authority to operate the equipment.

ServiceRequirements

Intheeventofequipmentmalfunction,allrepairsshouldbeperformedbyourCo

mpanyoran authorized agent.It isthe responsibilityof

usersrequiringservicetoreportthe needfor service toourCompanyor to one

ofourauthorizedagents.

Servicecanbefacilitatedthroughhourofficeat:

ZyXELCommunicationsCorporation

6,InnovationRdII,Science-BasedIndustrialPark,Shin-Chu,Taiwan,R.O.C.

+886-3-578-3942