



3COM

Quick Start Guide

3Com Wireless

802.11a Outdoor Building-to-Building Bridge and Access Point

3CRWEASYA73 / WL-575

The 3Com WL-575 802.11a Outdoor Building-to-Building Bridge and Access Point provides IEEE 802.11a or 802.11b/g wireless access to the network. The bridge offers a fast, reliable, and cost-effective solution for connectivity between remote Ethernet wired LANs or to provide Internet access to an isolated site.

Power is supplied by Power Over Ethernet (PoE) using a:

- 3Com propriety PoE Injector (output: 48V 60W)

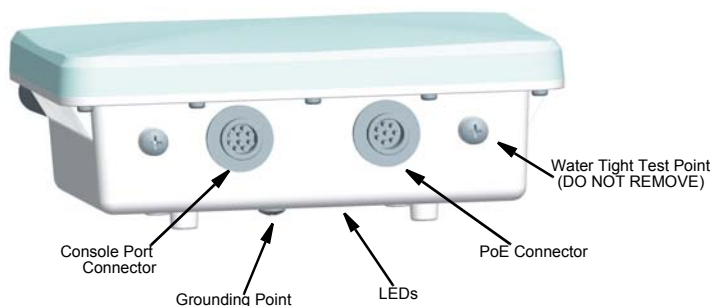
About This Guide

This Quick Start Guide describes the basic installation of the bridge. It covers the following topics:

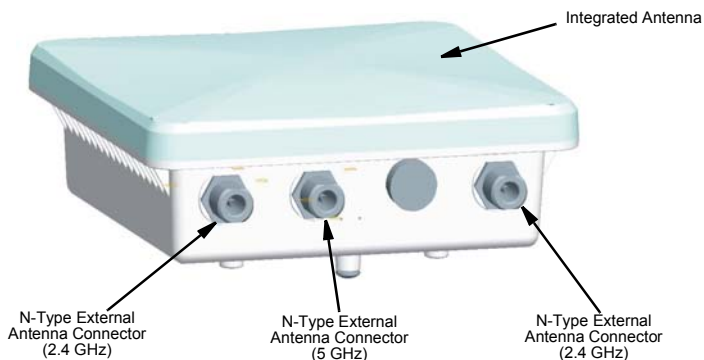
- 3Com WL-575 Outdoor Building-to-Building Bridge and Access Point
- Observing Safety Precautions
- Step 1: Unpacking the Bridge
- Step 2: Preparing for Installation
- Step 3: Mounting the Bridge
- Step 4: Connecting External Antennas
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- Step 7: Checking the LED Indicators
- Step 8: Aligning Antennas
- Troubleshooting

3Com WL-575 Outdoor Building-to-Building Bridge and Access Point Features

Bottom View



Top View



Feature	Description
Console Port Connector	Connect the console cable (included) to the RS-232 console port for accessing the command-line interface.
POE Connector	The PoE port serves two functions, one in providing a means to supply power to the unit and two as an Ethernet port providing access to the web browser interface. The Ethernet port provides a 10/100BASE-TX Ethernet connection to a 3Com Wireless LAN switch. The connection can be direct to a 3Com switch or indirect through an intermediate Layer 2 or Layer 3 network. Use a standard Category 5e cable or better with straight-through signaling and standard RJ-45 connectors to connect the bridge to the switch on the network. The bridge should be powered via proprietary Power Over Ethernet (PoE) power injector.
LEDs	The LEDs indicate power and activity. See "Checking the LED Indicators" on page 11 for details.
Antenna Connectors	Three N-type female antenna connectors allow you to connect antennas that operate in 2.4 GHz and 5.0 GHz bands.
Water Tight Test Point	CAUTION: Do not remove or loosen this screw. Doing so could lead to damage of the unit.

Grounding Point	In the event of electrostatic shock the connection of an insulated cable to the grounding point to an earthed point protects the unit from excessive electrical discharge. A grounding screw is provided in the package contents.
Integrated Antenna	Built in 5.0 GHz flat panel high-gain antenna.

Observing Safety Precautions

This equipment must be installed in compliance with local and national building codes, regulatory restrictions, and FCC rules. For the safety of people and equipment, only professional network personnel should install the bridge.



WARNING: To comply with FCC radio frequency (RF) exposure limits, a minimum body-to-antenna distance of 20 cm (8 in.) must be maintained when the bridge is operational.



WARNING: To avoid possible injury or damage to equipment, you must use power supply equipment that is safety certified according to UL, CSA, IEC, or other applicable national or international safety requirements for the country of use. All references to power supply in this document refer to equipment meeting these requirements.

1 Unpacking the Bridge

Make sure that you have the following items, which are included in the package:

- One 3Com Outdoor 11a Building to Building Bridge and 11bg Access Point
- Mounting bracket and hardware
- One Weatherproof Category 5 network cable
- One Weatherproof Console to RS232 cable
- PoE power injector/ Ethernet connector and AC power cord
- One grounding screw, not attached
- This *Quick Start Guide*
- One CD-ROM containing the Setup Wizard software and User's Manual
- One Warranty Flyer
- *Optional: One N-type RF coaxial cable*

2 Preparing for Installation

It is advisable to connect and check the PoE connection, Ethernet cables, and LEDs before installing the bridge in a hard-to-reach location. Additionally, observe the following items before mounting or connecting the bridge:

Installation Item	Description
Cabling	Make sure that standard Category 5e cable with straight-through signaling is installed at the site before you install the bridge.
Power Requirements	Power should be supplied via the 3Com proprietary POE injector.

IP Address	Record the bridge MAC address in a safe place before the bridge is installed in a hard-to-reach location. The MAC address is printed on the back of the bridge. Additional IP address labels are shipped with the bridge.
Location	The WL-575 bridge must only be installed outdoors. It is not for indoor use. The PoE injector is for indoor use only. Plan your equipment location accordingly.

3 Mounting the Bridge

The bridge can be mounted on the following types of surfaces:

- Pole
- Wall



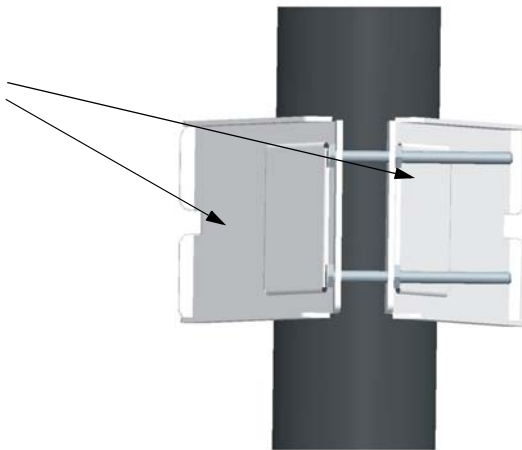
CAUTION: The bridge is intended for outdoor use only. Do not install the bridge indoors.

Using the Pole-Mounting Bracket

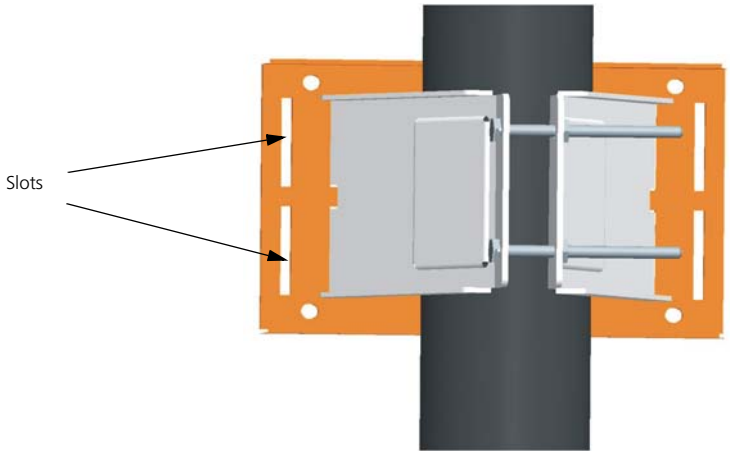
Perform the following steps to mount the unit to a 2 to 3 inch diameter steel pole or tube using the mounting bracket:

- 1 Place the V-shaped part of the bracket around the pole and tighten the securing nuts just enough to hold the bracket to the pole. (The bracket may need to be rotated around the pole during the antenna alignment process.)

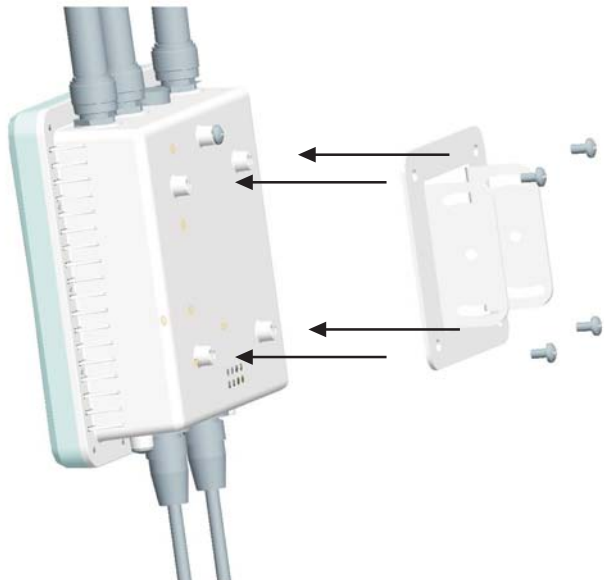
V-Shaped bracket



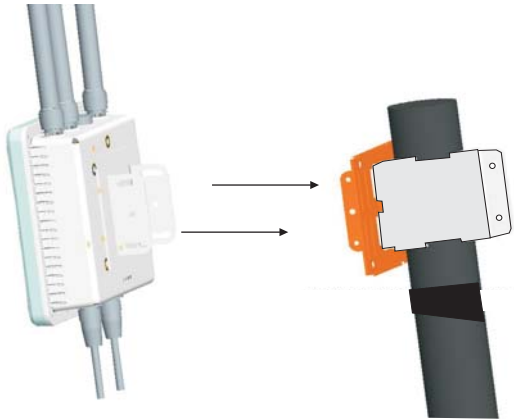
- 2** Fit the edges of the V-shaped part into the slots in the rectangular plate, and tighten the nuts.



- 3** Attach the adjustable rectangular plate to the bridge with the supplied screws.



- 4 Attach the bridge with bracket to the plate already fixed to the pole.



- 5 Use the included nuts to secure the wireless bridge to the pole bracket. Note that the wireless bridge tilt angle may need to be adjusted during the antenna alignment process. Be sure to take account of the antenna polarization direction; all antennas in a link must be mounted with the same polarization.

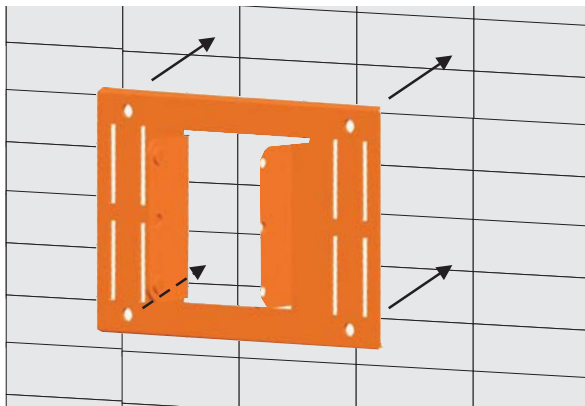
Using the Wall-Mounting Bracket

Perform the following steps to mount the unit to a wall using the wall-mounting bracket:

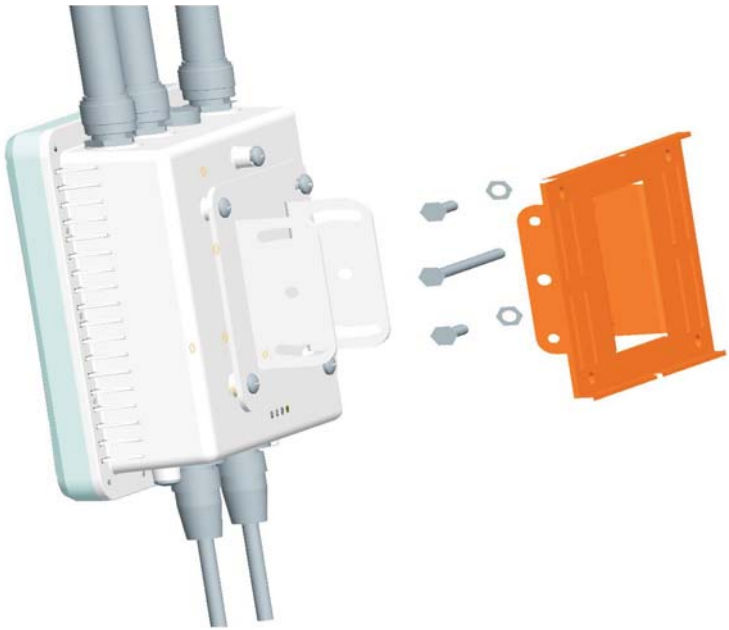


CAUTION: The wall-mounting bracket does not allow the bridge's integrated antenna to be aligned. It is intended for deployment using a 5.0 GHz external antenna.

- 1 Always attach the bracket to a wall with the flat side flush against the wall (see following figure).



- 2 Position the bracket in the intended location and mark the position of the four mounting screw holes.
- 3 Drill four holes in the wall that match the screws and wall plugs included in the bracket kit, then secure the bracket to the wall.
- 4 Use the included nuts to tightly secure the wireless bridge to the bracket.



4 Connecting External Antennas

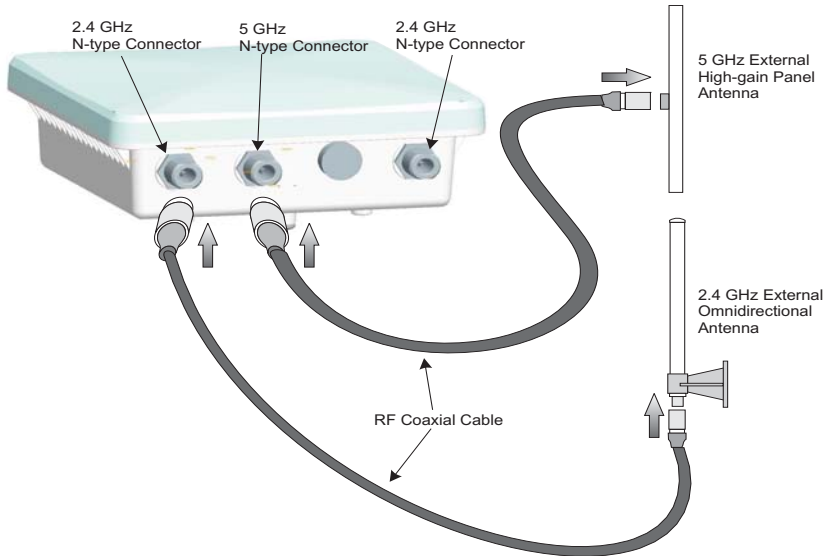
The bridge's primary antenna is its built-in internal antenna. For some applications when deploying an WL-575 unit for a bridge link or access point operation, you may need to mount external antennas and connect them to the bridge. Typically, a bridge link requires a 5.0 GHz antenna, and access point operation a 2.4 GHz antenna. WL-575 units acting as managed APs also require an external antenna for 2.4 GHz operation.

Perform these steps:

- 1 Mount the external antenna to the same supporting structure as the bridge, within 3 m (10 ft) distance, using the bracket supplied in the antenna package.
- 2 Connect the antenna to the bridge's N-type connector using the RF coaxial cable provided in the antenna package.
- 3 Apply weatherproofing tape to the antenna connectors to help prevent water entering the connectors.



NOTE: When you have connected external antennas, be sure to use the management interface to configure the bridge for correct antenna operation.

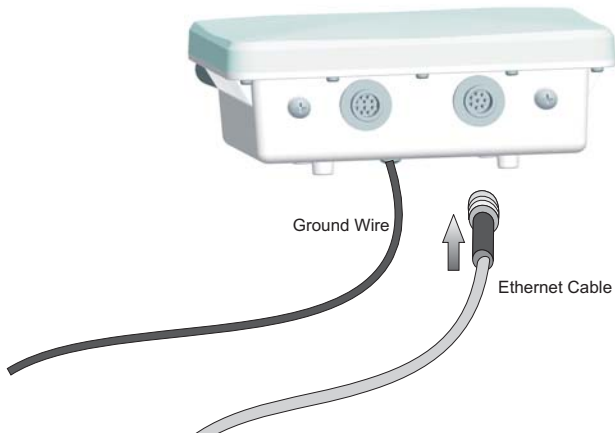


5 Connecting Cables

- 1 Attach the Ethernet cable to the Ethernet port on the wireless bridge.
- 2 For extra protection against rain or moisture, apply weatherproofing tape (not included) around the Ethernet connector.
- 3 Be sure to ground the unit with an appropriate grounding wire (not included) by attaching it to the grounding screw on the unit.



CAUTION: Be sure that grounding is available and that it meets local and national electrical codes. For additional lightning protection, use lightning rods, lightning arrestors, or surge suppressors.



6 Connecting the PoE Power Injector

To connect the wireless bridge to a power source:



CAUTION: Do not install the power injector outdoors. The unit is for indoor installation only.

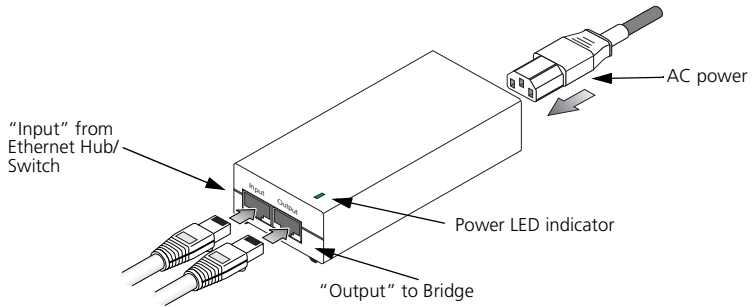


NOTE: The wireless bridge's Ethernet port does not support Power over Ethernet (PoE) based on the IEEE 802.3af standard. Do not try to power the unit by connecting it directly to a network switch that provides IEEE 802.3af PoE. Always connect the unit to the included power injector.

- 1 Connect the Ethernet cable from the wireless bridge to the RJ-45 port labeled "Output" on the power injector.
- 2 Connect a straight-through unshielded twisted-pair (UTP) cable from a local LAN switch to the RJ-45 port labeled "Input" on the power injector. Use Category 5e or better UTP cable for 10/100BASE-TX connections.



NOTE: The RJ-45 port on the power injector is an MDI port. If connecting directly to a computer for testing the link, use a crossover cable.



- 3 Insert the power cable plug directly into the standard AC socket on the power injector.
- 4 Plug the other end of the power cable into a grounded, 3-pin socket, AC power source.



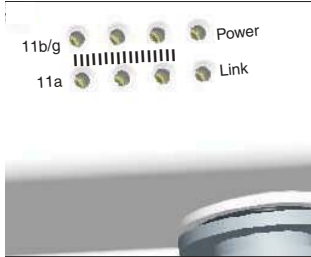
NOTE: For International use, you may need to change the AC line cord. You must use a line cord set that has been approved for the socket type in your country.

- 5 Check the LED on top of the power injector to be sure that power is being supplied to the wireless bridge through the Ethernet connection.

7 Checking the LED Indicators

The bridge's 11a and 11b/g LEDs operate in two display modes, which are configurable through the software. The default AP mode indicates data traffic rates. The RSSI mode indicates the received signal power and is for use when aligning antennas in a bridge link.

When the bridge is connected to power, LEDs indicate as follows:

	LED	Color	Indicates
	Power	Green	The bridge is powered up and operating normally.
		Off	The bridge is not receiving power or there is a fault with the power supply.
		Amber	The system is under cold reset status.
	Link	Green	The bridge has a 10/100 Mbps Fast Ethernet connection, but there is no activity.
		Flashing	Indicates that the bridge is transmitting or receiving data on a 10/100 Mbps Ethernet LAN. Flashing rate is proportional to network activity.
		Off	No link is present or the Ethernet LAN port is disabled.
11a (Three LEDs)	Green and Flashing	The 802.11a 5.3 GHz radio is enabled.	
		RSSI Mode: <ul style="list-style-type: none"> One fully lit LED indicates a low RSSI output level, two LEDs a medium level, and three LEDs the maximum level. A flashing LED indicates an intermediate RSSI output level AP Mode: <ul style="list-style-type: none"> One fully lit LED indicates a low traffic rate, two LEDs a medium rate, and three LEDs the maximum rate. A flashing LED indicates an intermediate traffic rate level 	
	Off	No link is present or the 802.11a radio is disabled.	
11g (Three LEDs)	Amber and Flashing	The 802.11g 2.4 GHz radio is enabled.	
		RSSI Mode: <ul style="list-style-type: none"> One fully lit LED indicates a low RSSI output level, two LEDs a medium level, and three LEDs the maximum level. A flashing LED indicates an intermediate RSSI output level AP Mode: <ul style="list-style-type: none"> One fully lit LED indicates a low traffic rate, two LEDs a medium rate, and three LEDs the maximum rate. A flashing LED indicates an intermediate traffic rate level 	
	Off	No link is present or the 802.11g radio is disabled.	

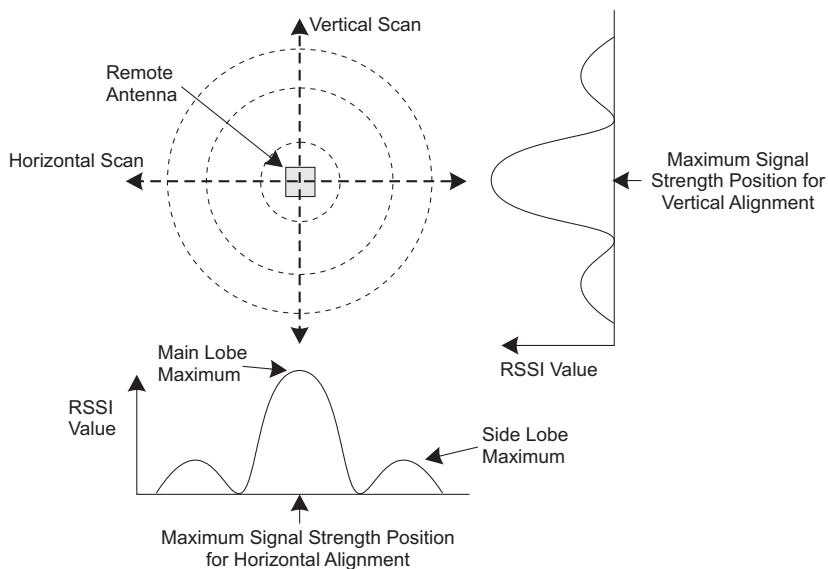
8 Aligning Antennas

After wireless bridge units have been mounted, connected, and their radios are operating, bridge link antennas must be accurately aligned to ensure optimum performance. This alignment process is particularly important for long-range point-to-point links. In a point-to-multipoint configuration the root bridge uses an omnidirectional or sector antenna, which does not require alignment, but bridge nodes still need to be correctly aligned with the root bridge antenna.

- **Point-to-Point Configurations** – In a point-to-point configuration, the alignment process requires two people, one at each end of the link. The use of cell phones or two-way radio communication may help with coordination. To start, you can just point the antennas at each other, using binoculars or a compass to set the general direction. For accurate alignment, you must monitor the signal strength LEDs as the antenna moves horizontally and vertically.
- **Point-to-Multipoint Configurations** – In a point-to-multipoint configuration all bridge nodes must be aligned with the root bridge antenna. The alignment process is the same as in point-to-point links, but only the bridge node end of the link requires the alignment.

The signal strength LEDs indicate the received radio signal strength for a particular bridge link. The more LEDs that turn on, the stronger the signal. Alternatively, you can monitor the Receive Signal Strength Indicator (RSSI) value directly from the management interface. The higher the RSSI value, the stronger the signal.

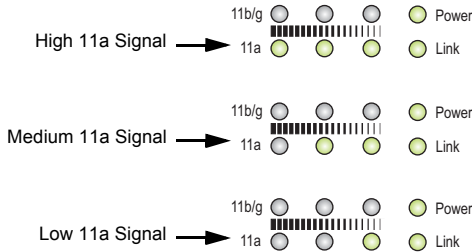
When you move the antenna during alignment, the radio signal from the remote antenna can be seen to have a strong central main lobe and smaller side lobes. The object of the alignment process is to set the antenna so that it is receiving the strongest signal from the central main lobe.



To align the antennas in the link, monitor the signal strength LEDs or the RSSI value in the management interface. Start with one antenna fixed and then perform the following procedure on the other antenna:



Note: The RSSI value can be configured through management interfaces to display a value for specific WDS bridge links.



- 1 Pan the antenna horizontally back and forth while checking the LEDs. If using the pole-mounting bracket with the unit, you must rotate the mounting bracket around the pole. Other external antenna brackets may require a different horizontal adjustment.
- 2 Find the point where the signal is strongest (all LEDs on) and secure the horizontal adjustment in that position.



Note: Sometimes there may not be a central lobe peak because vertical alignment is too far off; only two similar peaks for the side lobes are detected. In this case, fix the antenna so that it is halfway between the two peaks.

- 3 Loosen the vertical adjustment on the mounting bracket and tilt the antenna slowly up and down while checking the LEDs.
- 4 Find the point where the signal is strongest and secure the vertical adjustment in that position.

Troubleshooting

Refer to the 3Com WL-575 Outdoor Building-to-Building Bridge and Access Point User's Guide or the 3Com website (www.3Com.com) for troubleshooting information.

Regulatory Information

The 3Com Outdoor 11a Building to Building Bridge and 11bg Access Point, Model WL-575 (3CRWEASYA73) must be installed and used in strict accordance with the manufacturer's instructions as described in the user documentation that comes with the product.

This product contains encryption. It is unlawful to export out of the U.S. without obtaining a U.S. Export License.

This product does not contain any user serviceable components. Any unauthorized product changes or modifications will invalidate 3Com's warranty and all applicable regulatory certifications and approvals.

Only antennas specified for your region by 3Com can be used with this product. The use of external amplifiers or non-3Com antennas may invalidate regulatory certifications and approvals.

This product can be used with the following antennas and accessories:

Item	Description	Exclusions
-	Embedded 5GHz antenna	
3CWE591	3Com 6/8dBi Dual-Band Omni Antenna	Must be used with 3CWE810, 3CWE811 or 3CWE812.
3CWE596	3Com 18/20dBi Dual-Band Panel Antenna	Must be used with 3CWE810, 3CWE811 or 3CWE812.
3CWE598	3Com 8/10dBi Dual-Band Panel Antenna	Must be used with 3CWE810, 3CWE811 or 3CWE812.
3CWE810	3Com Ultra Low Loss 6-Foot N to N connector Antenna Cable	
3CWE811	3Com Ultra Low Loss 20-Foot N to N connector Antenna Cable	
3CWE812	3Com Ultra Low Loss 50-Foot N to N connector Antenna Cable	

This product must be installed by a professional technician/installer.

Caution: Exposure to Radio Frequency Radiation

This device generates and radiates radio-frequency energy. In order to comply with FCC radio-frequency exposure guidelines for an uncontrolled environment, this equipment must be installed and operated while maintaining a minimum body to antenna distance of 20 cm (approximately 8 in.).

The installer of this radio equipment must ensure that the antenna is located or pointed such that it does not emit RF field in excess of Health Canada limits for the general population; consult Safety Code 6, obtainable from Health Canada's website www.hc-sc.gc.ca/rpb.

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

This product must maintain a minimum body to antenna distance of 20 cm. Under these conditions this product will meet the Basic Restriction limits of 1999/519/EC [Council Recommendation of 12 July 1999 on the limitation of exposure of the general public to electromagnetic fields (0 Hz to 300 GHz)].

US - Radio Frequency Requirements

This device must not be co-located or operated in conjunction with any other antenna or transmitter.

This device is for indoor use only when using channels 36, 40, 44 or 48 in the 5.15 to 5.25 GHz frequency range.

High power radars are allocated as primary users of the 5.25 to 5.35 GHz and 5.65 to 5.85 GHz bands. These radar stations can cause interference with and/or damage this device.

US Federal Communications Commission (FCC) EMC Compliance

This equipment 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 equipment 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 equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The user may find the following booklet prepared by the Federal Communications Commission helpful:

The Interference Handbook

This booklet is available from the U.S. Government Printing Office, Washington, D.C. 20402.
Stock No. 004-000-0034504.

3Com is not responsible for any radio or television interference caused by unauthorized modification of the devices included with this 3Com Outdoor 11a Building to Building Bridge and 11bg Access Point, Model WL-575 (3CRWEASYA73), or the substitution or attachment of connecting cables and equipment other than specified by 3Com.

The correction of interference caused by such unauthorized modification, substitution or attachment will be the responsibility of the user.

Changes or modifications not expressly approved by 3Com could void the user's authority to operate this equipment.

US Manufacturer's FCC Declaration of Conformity

3Com Corporation
350 Campus Drive
Marlborough, MA 01752-3064, USA
(508) 323-5000

Date: December 09, 2007

Declares that the Product:

Brand Name: 3Com Corporation

Model Number: WL-575

Equipment Type: 3Com Outdoor 11a Building to Building Bridge and 11bg Access Point

Complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.



3Com Outdoor 11a Building to Building Bridge and
11bg Access Point
Model WL-575

Industry Canada - RF Compliance

This device complies with RSS 210 of Industry Canada.

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of this device.

L'utilisation de ce dispositif est autorisée seulement aux conditions suivantes: (1) il ne doit pas produire de brouillage et (2) l'utilisateur du dispositif doit être prêt à accepter tout brouillage radioélectrique reçu, même si ce brouillage est susceptible de compromettre le fonctionnement du dispositif.

The term "IC" before the equipment certification number only signifies that the Industry Canada technical specifications were met.

To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (EIRP) is not more than that required for successful communication. To prevent radio interference to the licensed service, this device is intended to be operated indoors and away from windows to provide maximum shielding. Equipment (or its transmit antenna) that is installed outdoors is subject to licensing.

Pour empêcher que cet appareil cause du brouillage au service faisant l'objet d'une licence, il doit être utilisé à l'intérieur et devrait être placé loin des fenêtres afin de fournir un écran de blindage maximal. Si le matériel (ou son antenne d'émission) est installé à l'extérieur, il doit faire l'objet d'une licence.

High power radars are allocated as primary users of the 5.25 to 5.35 GHz and 5.65 to 5.85 GHz bands. These radar stations can cause interference with and/or damage this device.

This device must not be co-located or operated in conjunction with any other antenna or transmitter.

Industry Canada - Emissions Compliance Statement

This Class B digital apparatus complies with Canadian ICES-003.

Avis de Conformité à la Réglementation d'Industrie Canada

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

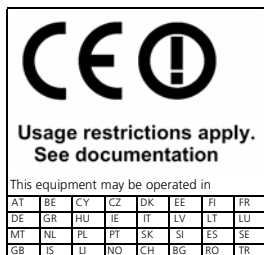
Safety Compliance Notice

This device has been tested and certified according to the following safety standards and is intended for use only in Information Technology Equipment which has been tested to these or other equivalent standards:

- UL Standard 60950 (3rd Edition) or 60950-1
- CAN/CSA C22.2 No. 60950 or 60950-1

- IEC 60950-1
- EN 60950-1

EU Compliance



Intended use: IEEE 802.11b/g/a radio LAN device

NOTE: To ensure product operation is in compliance with local regulations, select the country in which the product is installed. Refer to installation instructions.

Cesky [Czech]	3Com Corporation tímto prohlašuje, že tento <i>RLAN device</i> je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ES.
Dansk [Danish]	Undertegnede 3Com Corporation erklærer herved, at følgende udstyr <i>RLAN device</i> opretholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.
Deutsch [German]	Hiermit erklärt 3Com Corporation, dass sich das Gerät <i>RLAN device</i> in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 1999/5/EG befindet.
Eesti [Estonian]	Käesolevaga kinnitab 3Com Corporation seadme <i>RLAN device</i> vastavust direktiivis 1999/5/EÜ põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.
English	Hereby, 3Com Corporation, declares that this <i>RLAN device</i> is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.
Español [Spanish]	Por medio de la presente 3Com Corporation declara que el <i>RLAN device</i> cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE.
Ελληνική [Greek]	ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ 3Com Corporation ΔΗΛΩΝΕΙ ΟΤΙ <i>RLAN device</i> ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/ΕΚ.
Français [French]	Par la présente 3Com Corporation déclare que l'appareil <i>RLAN device</i> est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE.

Italiano [Italian]	Con la presente <i>3Com Corporation</i> dichiara che questo <i>RLAN device</i> è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.
Latviski [Latvian]	Ar šo <i>3Com Corporation</i> deklarē, ka <i>RLAN device</i> atbilst Direktīvai ar 1999/5/EK būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.
Lietuvių [Lithuanian]	Šiuo <i>3Com Corporation</i> deklaruoja, kad šis <i>RLAN device</i> atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas.
Nederlands [Dutch]	Hierbij verklaart <i>3Com Corporation</i> dat het toestel <i>RLAN device</i> in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG.
Malti [Maltese]	Hawnhekk, <i>3Com Corporation</i> , jiddikjara li dan <i>RLAN device</i> jikkonforma mal-?ti?ijiet essenzjali u ma provvedimenti o?rajn rilevanti li hemm fid-Direttiva 1999/5/EC.
Magyar [Hungarian]	Alulírott, <i>3Com Corporation</i> nyilatkozik, hogy a <i>RLAN device</i> megfelel a vonatkozó alapvető követelményeknek és az 1999/5/EC irányelv egyéb előírásainak.
Polski [Polish]	Niniejszym <i>3Com Corporation</i> oświadcza, że <i>RLAN device</i> jest zgodny z zasadniczymi wymogami oraz pozostałymi stosownymi postanowieniami Dyrektywy 1999/5/EC.
Português [Portuguese]	<i>3Com Corporation</i> declara que este <i>RLAN device</i> está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE.
Slovensko [Slovenian]	<i>3Com Corporation</i> izjavlja, da je ta <i>RLAN device</i> v skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 1999/5/ES.
Slovensky [Slovak]	<i>3Com Corporation</i> týmto vyhlasuje, že <i>RLAN device</i> spĺňa základné požiadavky a všetky príslušné ustanovenia Smernice 1999/5/ES.
Suomi [Finnish]	<i>3Com Corporation</i> vakuuttaa täten että <i>RLAN device</i> tyyppinen laite on direktiiv in 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiiv in muiden ehtojen mukainen.

A copy of the signed Declaration of Conformity can be downloaded from the Product Support web page for the 3Com Outdoor 11a Building to Building Bridge and 11bg Access Point, Model WL-575 (3CRWEASYA73) at <http://www.3com.com>.

Also available at http://support.3com.com/doc/WL-575_EU_DOC.pdf

EU - Restrictions for Use in the 2.4GHz band

This device may be operated indoors or outdoors in all countries of the European Community using the 2.4GHz band: Channels 1 - 13, except where noted below.

- In Italy the end-user must apply for a license from the national spectrum authority to operate this device outdoors.
- In Belgium outdoor operation is only permitted using the 2.46 - 2.4835 GHz band: Channel 13.
- In France outdoor operation is only permitted using the 2.4 - 2.454 GHz band: Channels 1 - 7.

EU - Restrictions for Use in the 5GHz band

Allowed Frequency Bands	Allowed Channel Numbers	Countries
5.15-5.35 & 5.470-5.725GHz	36, 40, 44, 48, 52, 56, 60, 64, 100, 104, 108, 112, 116, 120, 124, 128, 132, 136, 140	Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland, U.K.

- This device may not be operated outdoors when using the bands 5150-5350MHz (Channels 36, 40, 44, 48, 52, 56, 60, 64).
- In Italy the end-user must apply for a license from the national spectrum authority to operate this device outdoors.
- To remain in conformance with European spectrum usage laws for Wireless LAN operation, the above 5GHz channel limitations apply. The user should check the current channel of operation. If operation is occurring outside of the allowable frequencies as listed above, the user must cease operating the Outdoor 11a Building to Building Bridge and 11bg Access Point at that location and consult the local technical support staff responsible for the wireless network.
- The 5GHz Turbo mode feature is not allowed for operation in any European Community country.
- This device must be used with the radar detection feature required for European Community operation in the 5GHz bands. This device will avoid operating on a channel occupied by any radar system in the area. The presence of nearby radar operation may result in temporary interruption in communications of this device. The Bridge/Access Point's radar detection feature will automatically restart operation on a channel free of radar. You may consult with the local technical support staff responsible for the wireless network to ensure the Bridge/Access Point device(s) are properly configured for European Community operation.
- This device employs a radar detection feature required for European Community operation in the 5GHz bands. This feature must be activated in order to use ad-hoc operation. The presence of nearby radar operation may result in interruption in communications of this device. It will be necessary to configure ad-hoc operation on another channel.
- Ad-hoc mode provides a direct communication between two client devices without a Wireless LAN Access Point.

Brazil RF Compliance

Este produto está homologado pela ANATEL, de acordo com os procedimentos regulamentados pela Resolução 242/2000, e atende aos requisitos técnicos aplicados.

Opera em caráter secundário, isto é, não tem direito a proteção contra interferência prejudicial, mesmo de estações do mesmo tipo, e não pode causar interferência a sistemas operando em caráter primário.

Para maiores informações, consulte o site da ANATEL - www.anatel.gov.br

Korea RF Compliance

This device may cause radio interference during its operation. Therefore service in relation to human life security is not available.

Safety Information

AC Power Adapter

- Input: 100-240 AC, 50-60 Hz
- Output: 48 VDC, 1.2 A
- Power consumption: 13.2 watts

Unit Power Supply

- PoE input: 48 VDC, 0.6 A maximum
- Power consumption: 28 watts maximum

Physical Size

- 19.5 x 19 x 7.4 cm (7.68 x 7.48 x 2.91 in)

Weight

- 1.54 kg (3.4 lbs)

Temperature

- Operating: -40 to 60°C (-40 to 140°F) non-condensing @ 5 to 50°C
- Storage: -55 to 80°C (-67 to 176°F) non-condensing @ 5 to 70°C

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