

Exhibit E - User's Manual



HomeConnect®

Dual Speed Ethernet Hub 5

User Guide (3C19261)

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Introduction 5	Regulated Materials Statement 17
Creating Your Network 6	Environmental Statement about the Documentation 17
Dual Speed Hub 5—Front 6	Environmental Statement about the Product Packaging 17
Dual Speed Hub 5—Side 7	
Before You Start 8	Important Safety Information 18
Workstation Connections 8	Wichtige Sicherheitshinweise 19
Twisted Pair (TP) Cables 8	Consignes importantes de sécurité 20
Hub Connections 8	Technical Support 21
Positioning Your HomeConnect Hub 9	Online Technical Services 21
Securing the HomeConnect Hub 9	3Com Knowledgebase Web Services 21
Connecting Workstations and Other Equipment to Your Hub 10	Support from Your Network Supplier 22
Connecting HomeConnect Hubs Together 11	Support from 3Com 22
Ethernet (10Mbps) Configuration Rules 11	Returning Products for Repair 25
Fast Ethernet (100Mbps) Configuration Rules 11	3Com Corporation Limited Warranty 27
Making the Connection to Another Hub 12	Electromagnetic Compatibility 30
Checking Hub Connections 12	
Spot Checks 12	
Problem Solving 13	
Networking Terminology 15	
Dimensions and Standards 16	
Dimensions and Operating Conditions 16	
Standards 16	
Environmental Statements 17	
End Of Life Statement 17	

INTRODUCTION

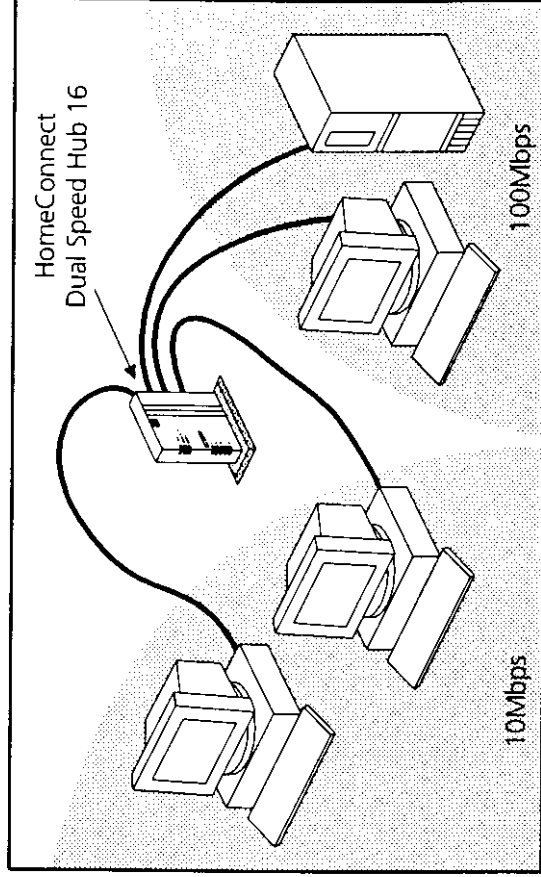
Welcome to the world of networking with 3Com®.

In the modern business environment, communication and sharing information is crucial. Computer networks have proved to be one of the fastest modes of communication but, until recently, only large businesses could afford the networking advantage. The HomeConnect® product range from 3Com has changed this, bringing networks into the home.

The HomeConnect Dual Speed Hub 5 is ideal for creating small networks. This Dual Speed Hub is an easy-to-use Class II hub (repeater) with five 10/100BASE-TX ports. It allows you to set up a network with both Ethernet (10Mbps) and Fast Ethernet (100Mbps) workstations and other devices (a Class II hub can be connected to another Fast Ethernet hub, a Class I hub cannot).

The HomeConnect Dual Speed Hub 5 is compact and attractively designed for desktop use. It has five RJ-45 station ports and one RJ-45 Uplink port. The five ports allow you to create a small network with up to five workstations, as shown in Figure 1, whilst the Uplink port enables you to connect another HomeConnect hub. You might want to connect another hub if you need to add more workstations to your network.

Figure 1 Small Network With HomeConnect Hub

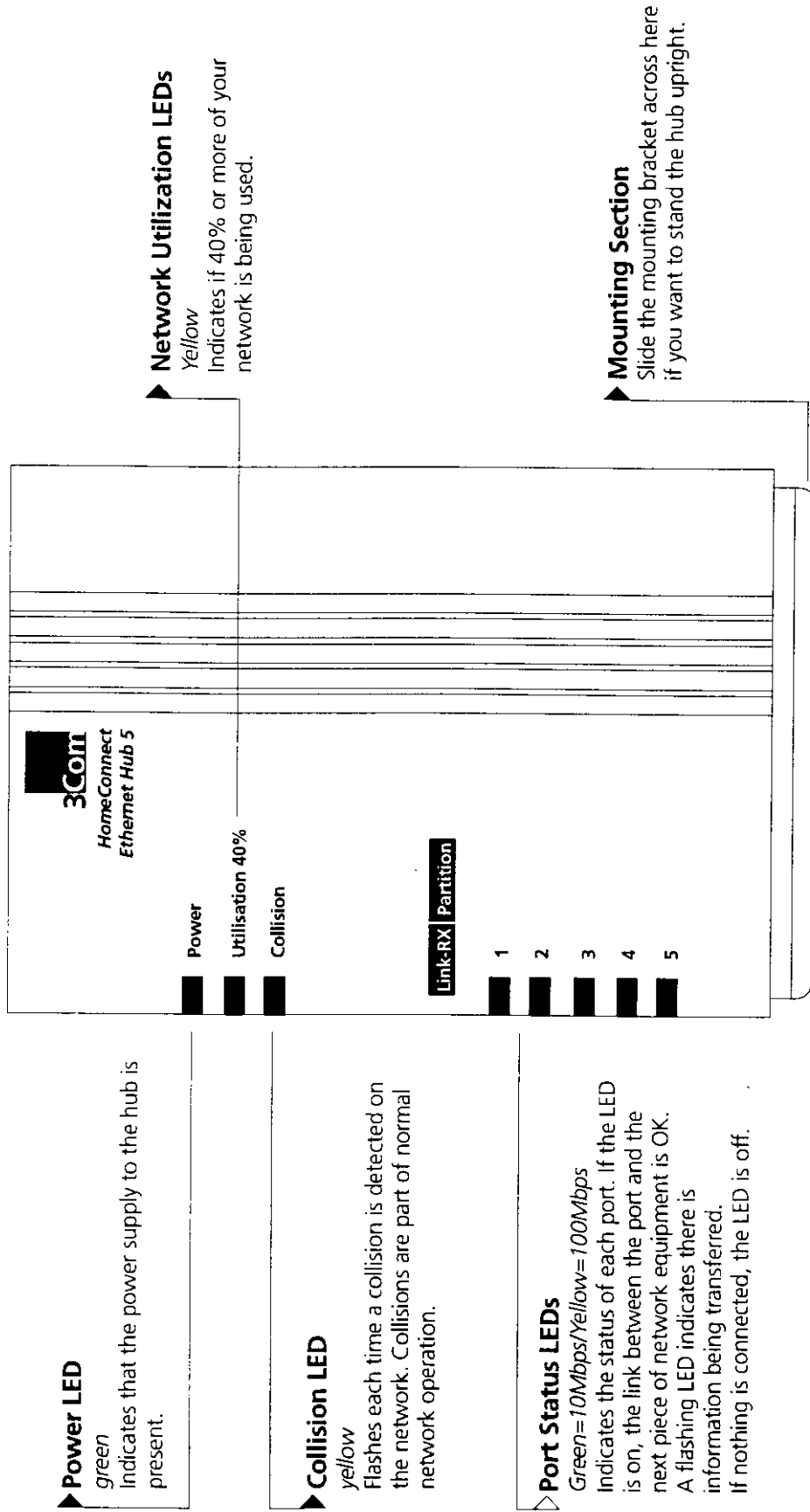


Each port on the Hub can be connected to either a 10BASE-T (Ethernet) or a 100BASE-TX (Fast Ethernet) device. The port senses the speed of the connected equipment and operates at the appropriate speed.

When referring to the HomeConnect Dual Speed Hub 5, this guide uses the term 'Hub'.

CREATING YOUR NETWORK

Dual Speed Hub 5—Front



Dual Speed Hub 5—Side

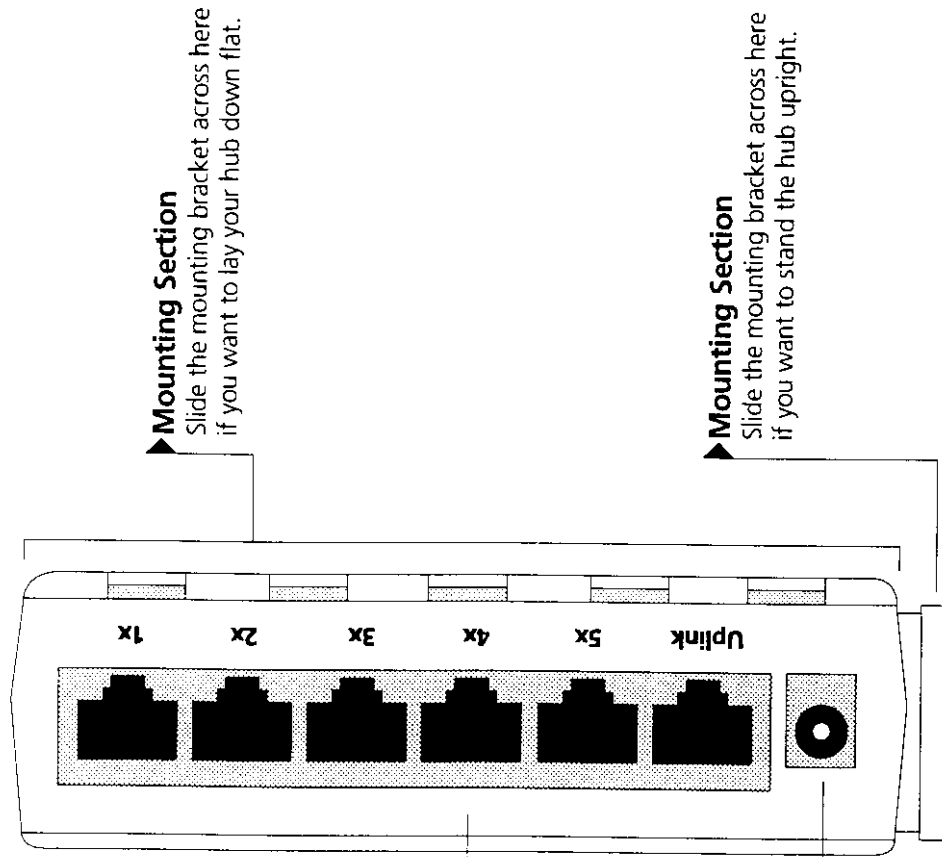
► Six 10/100BASE-TX ports

Use suitable TP cables with RJ-45 connectors. You can connect the hub to any workstation or piece of equipment that has a 10BASE-T or 100BASE-TX port. Each port is capable of autosensing for 10Mbps or 100Mbps operation.

The Uplink port (port 6) is used to link to another HomeConnect hub. Refer to "Connecting HomeConnect Hubs Together" on page 11. Note that when the Uplink port is used, port 5 is disabled.

► Power Adapter socket

Only use the power adapter that is supplied with this HomeConnect hub. Do not use any other adapter.



► Mounting Section

Slide the mounting bracket across here if you want to lay your hub down flat.

► Mounting Section

Slide the mounting bracket across here if you want to stand the hub upright.

Before You Start

Your HomeConnect Dual Speed Hub 5 comes with:

- One power adapter for use with the HomeConnect hub.
- A Product Registration card for you to fill out and return.
- A mounting bracket.

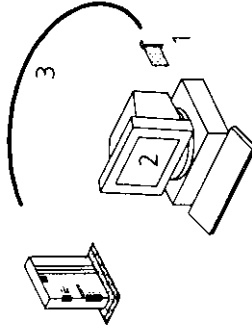


The extra parts mentioned in the next section are not supplied with the hub.

Workstation Connections

To connect workstations or other equipment to your hub, you need:

- 1** One 10BASE-T, 10/100BASE-TX, or 100BASE-TX adapter card for each workstation. 3Com produce a range of easy-to-install network adapter cards, which provide your workstations with a suitable connection.
- 2** An operating system (for example, Netware or Windows 95/98) with network support configured, running on your workstations.
- 3** One suitable TP cable for each workstation.



Twisted Pair (TP) Cables

To connect your workstations and other equipment to the Hub, use 'straight-through' TP cables with RJ-45 connectors (all OfficeConnect products use RJ-45 type connectors). A 'straight-through' cable is one where each pin of one connector is connected to the same pin of the other connector. Cables can be shielded (screened) or unshielded; we recommend that you use shielded cable. Cables used for 100BASE-TX or 10/100BASE-TX connections must be data grade (Category 5). Your supplier should stock suitable cables.

The maximum length of a single cable is 100m (328ft). Refer to "Ethernet (10Mbps) Configuration Rules" on page 11 for further information on cable lengths in a 100Mbps network.

Hub Connections

To connect other OfficeConnect units to your Hub, you need one suitable TP cable for each unit.

Positioning Your HomeConnect Hub

When installing your HomeConnect hub, ensure:

- It is out of direct sunlight and away from sources of heat.
- Cabling is away from power lines, fluorescent lighting fixtures, and sources of electrical noise such as radios, transmitters and broadband amplifiers.
- Water or moisture cannot enter the case of the unit.
- Air flow around the unit and through the vents in the side of the case is not restricted. We recommend you provide a minimum of 25.4 mm (1in.) clearance.

Securing the HomeConnect Hub

The mounting bracket enables you to either stand your hub on a desk or to fix it to a wall. For convenience, the mounting bracket can be slid onto the base or back of the hub.

If you intend to wall-mount the hub, ensure that the wall you are going to use is smooth, flat, dry and sturdy. Fix the bracket to the wall with two small screws, using the two holes in the bracket, and then slide the hub onto it.



When wall-mounting the unit, ensure that it is within reach of the power outlet.

Connecting Workstations and Other Equipment to Your Hub



WARNING: Please read the 'Important Safety Information' section before you start.

WARNHINWEIS: Bitte lesen Sie den Abschnitt 'Wichtige Sicherheitsinformationen' sorgfältig durch, bevor Sie das Gerät einschalten.

AVERTISSEMENT: Veuillez lire attentivement la section "Consignes importantes de sécurité" avant de mettre en route.

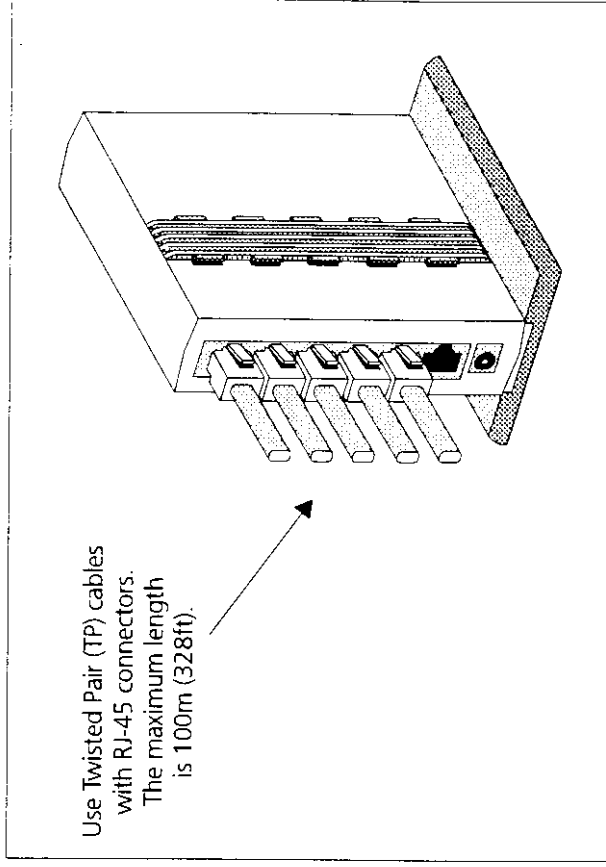


CAUTION: Do not power the hub off and on quickly. Wait about five seconds between power cycles.

Connecting workstations and other equipment to your hub is easy. The hub has five RJ-45 station ports (ports 1 to 5) and one RJ-45 Uplink port. The five ports allow you to create a small network with up to five workstations. Connect them by attaching 'straight-through' Twisted Pair cables to any of the hub's five station ports, as in Figure 2.

Twisted Pair cables are very easy to use. To connect a cable, simply slot the connector into the relevant RJ-45 port. When the connector is fully in, its latch will lock it into place. To disconnect the cable, push the connector's latch in and remove it. The hub detects all port connections, so you can start using your network immediately. When you need more ports, simply add another HomeConnect hubs.

Figure 2 Connecting devices to your HomeConnect Hub



Ports 5 and 6 (the Uplink port) cannot be used together at the same time. The Uplink port is used to connect another hub (see "Connecting HomeConnect Hubs Together" on page 5) and will disable port 5 if used. However, port 5 can be used to connect a workstation, so long as you do not try to connect another hub.

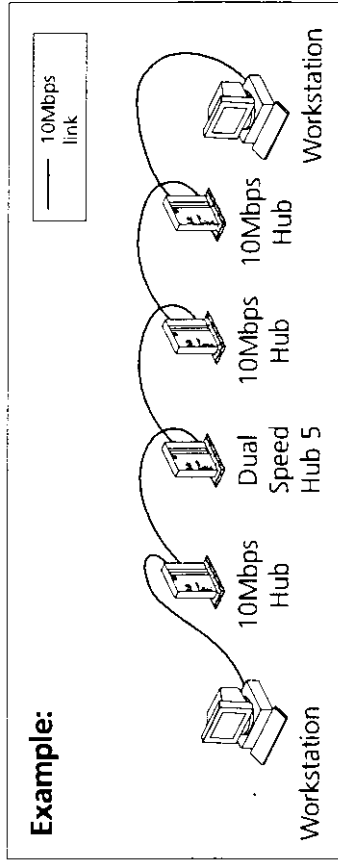
Connecting HomeConnect Hubs Together

You may wish to connect another HomeConnect hub to your Dual Speed Hub 5. When extending your network, you should be aware of the following configuration rules.

Ethernet (10Mbps) Configuration Rules

You can connect a maximum of four Ethernet hubs (operating at 10Mbps) in series between workstations. Each cable must not exceed 100m (328ft). An example is shown in Figure 3.

Figure 3 Example of an Ethernet (10Mbps) Network

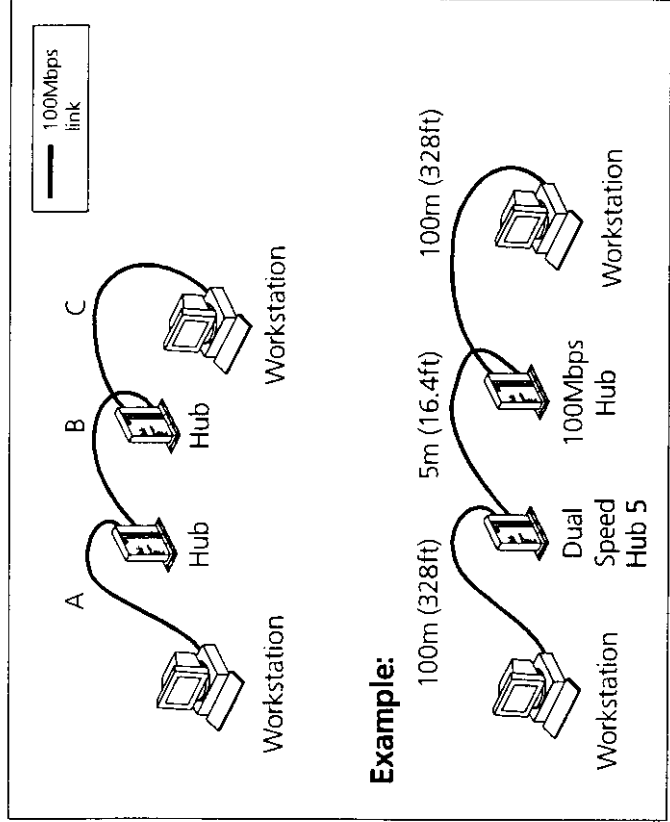


Fast Ethernet (100Mbps) Configuration Rules

The Dual Speed Hub 5 is a Class II hub. You can connect a maximum of two Dual Speed Ethernet hubs (operating at 100Mbps) in series between workstations. Class II Fast Ethernet hubs (Class I Fast Ethernet hubs cannot be connected directly to other Fast Ethernet hubs). The total length of cable (A + B + C) between two workstations must not exceed 205m (672ft). Each cable (A, B, or C) must not exceed 100m (328ft).


3Com recommends that the cable (B) between the Fast Ethernet hubs is no longer than 5m (16.4ft). This allows the maximum hub-to-workstation cable length (A or C) of 100m (328ft) to be used, as shown in Figure 4.

Figure 4 Configuration Rules of a Fast Ethernet (100Mbps) Network



Making the Connection to Another Hub

You can connect a 10BASE-T or another 10/100BASE-TX hub together using a straight-through cable. We recommend you connect port 6 (the Uplink port) of the first hub to one of the five station ports of the second hub (as shown in Figure 5).

 **CAUTION:** Do not connect the two hubs together with two separate TP cables. This causes a network loop.

Checking Hub Connections

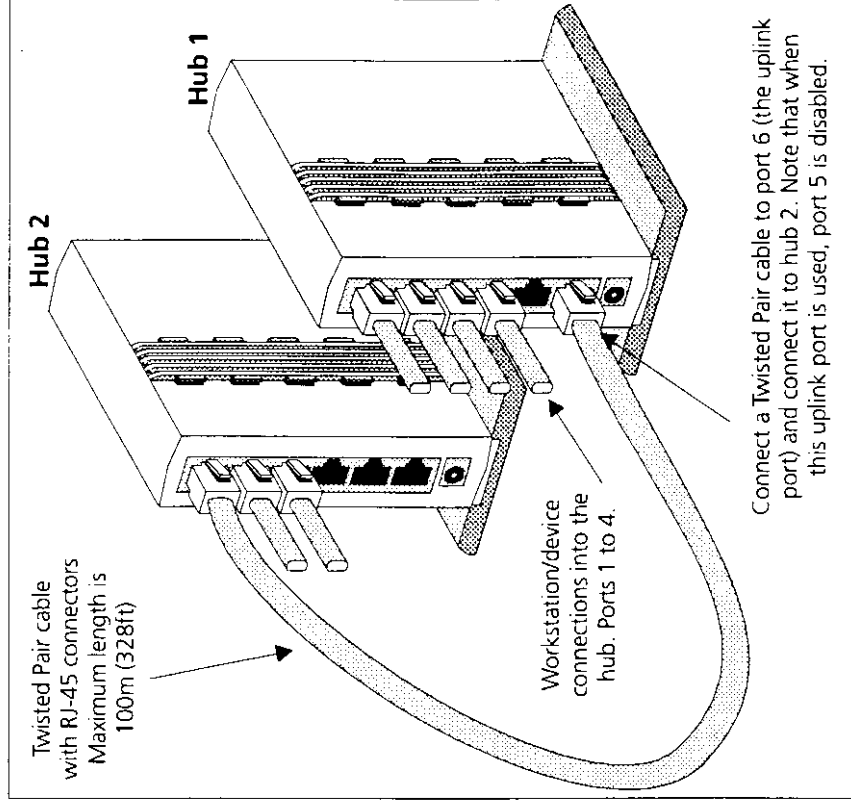
When you have connected all the appropriate workstations and other equipment to the Hub, power on the Hub. For each port with a connection, a Port Status LED should be on. If the port is operating at 100Mbps, the yellow LED is on. If the port is operating at 10Mbps, the green LED is on. If neither LED is on, check your connections.

Spot Checks

At frequent intervals, visually check that:

- The Alert LED is off — this is the best way to find out if there are problems with your network.
- Case vents are not obstructed.
- Cabling is secure and not pulled taut.

Figure 5 Correct Hub Connections for HomeConnect Hubs



If you are connecting 10BASE-T hubs, you can connect a total of four hubs in series as the system operates at 10Mbps. However, if you want to use Fast Ethernet (100Mbps) you can only connect a total of two 10/100BASE-TX hubs together.

PROBLEM SOLVING

The HomeConnect hub has been designed to aid you when detecting and solving possible problems with your network. These problems are rarely serious; the cause is usually a disconnected or damaged cable, or incorrect configuration. If this section does not solve your problem, contact your supplier for information on what to do next.

Perform these actions first:

- Ensure all equipment is powered on.
- Power each unit off, wait about 5 seconds and then power them on.

Check the following symptoms and solutions:

Power LED not lit. Check your power adapter connection. If there is still no power, you may have a faulty power adapter which needs replacing with another HomeConnect power adapter. **Do not use any other power adapter with the hub.**

The Link between two HomeConnect hubs does not work. Check your hub connections; follow the information given in the “Connecting HomeConnect Hubs Together” on page 11.

There might also be a loop in your network. Examine your connections and remove the loop. Each piece of equipment needs only one connection to your HomeConnect hub.

10Mbps Port Status LED lit for a port with a 100Mbps device connected. This may be because the cable is not of a high enough quality to carry Fast Ethernet signals (we recommend you use a Category 5 cable), or due to a problem with the network card (NIC) of the attached equipment.

The Link-RX LED not lit for a port that has a connection.

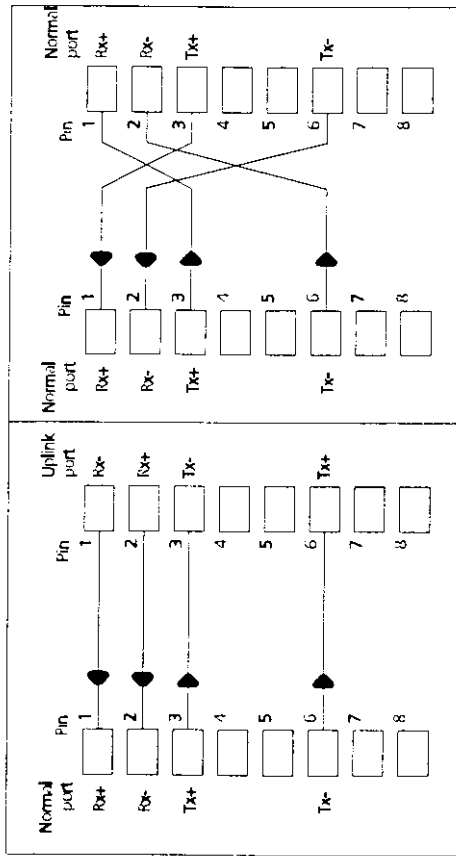
The most common cause is a defective network adapter or cable connection.

Ensure that you are using a ‘Straight-through’ cable which is properly connected at both ends, and is not damaged. (Note that crossover cables are only used when connecting hubs using ports 1 to 5; i.e, when the uplink port (port 6) is not used). Check the corresponding cable connections or the workstation’s network adapter for possible defects.

Finally, check that the equipment being connected to the hub is powered on, operating correctly and contains the correct type of connection.

Refer to Figure 6 on the next page to compare the wiring of a straight-through and a crossover cable. (Note that pins 4, 5, 7 and 8 are not used).

Figure 6 Straight-through Cable/Crossover Cable



NETWORKING TERMINOLOGY

A **Network** is a collection of workstations (for example, IBM-compatible PCs) and other equipment which are connected for the purpose of exchanging information or sharing resources. Networks vary in size, some are within a single room, others span continents.

A **Local Area Network (LAN)** is a network, usually in an office, that spans no more than a single site.

Ethernet is a type of LAN, referring to the technology used to pass information around the network that operates at 10Mbps (megabits per second).

Fast Ethernet is a type of LAN that runs up to 10 times faster than standard Ethernet and operates at 100Mbps.

10BASE-T and **100BASE-TX** are the names given to the Ethernet protocol that runs over **Twisted Pair (TP)** cable. 10BASE-T runs at 10Mbps whilst 100BASE-TX operates at 100Mbps. The HomeConnect hub uses RJ-45 type connectors for connecting your TP network. Note that this hub uses 10BASE-T.

A **network loop** occurs when two pieces of network equipment are connected by more than one path.

A **segment** is the length of cable connected to a port, whether this cable is 10BASE-T or another type.

Collisions are a part of normal Ethernet operation and occur if two or more devices (pieces of network equipment) attempt to transmit at the same time. A sudden sustained increase in the number of collisions can indicate a problem with a device, particularly if it is not accompanied by a general increase in traffic.

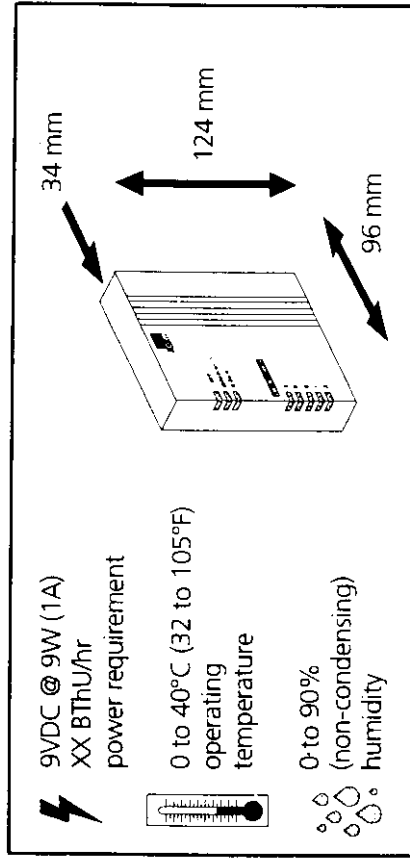
Bandwidth refers to the amount of network traffic the network can hold at any one time (information capacity) measured in **bits per second (bps)**. Workstations or applications that use the network heavily are referred to as using high bandwidth. Fast Ethernet has a higher bandwidth than Ethernet, so it can cope with larger amounts of traffic, which results in faster operation.

Packets are the units of information your workstations and other equipment send to each other over the network. A frame is the data part of the packet and can be **unicast** (sent to a single device), **multicast** (sent to multiple devices), or **broadcast** (sent to all devices).

A **half duplex** link allows information to flow in either direction, but not in either direction simultaneously.

DIMENSIONS AND STANDARDS

Dimensions and Operating Conditions



Standards

Functional: ISO 8802/3
IEEE 802.3

Safety: UL 1950, EN 60950
CSA 22.2 #950
IEC 950

EMC: EN 55022 Class B[†]
EN 50082-1
FCC Part 15 Class B^{†*}
ICES-003 Class B
VCCI Class B[†]

Environmental: CNS 13438 Class A
EN 60068 (IEC 68)

[†]Category 5 screened cables must be used to ensure compliance with the Class B requirements of this standard. The use of unshielded cables (category 5) complies with Class B requirements.

*Refer to "Electromagnetic Compatibility" on page 30 for conditions of operation.

ENVIRONMENTAL STATEMENTS

It is the policy of 3Com Corporation to be environmentally-friendly in all operations. To uphold our policy, we are committed to:

- Establishing environmental performance standards that comply with national legislation and regulations.
- Conserving energy, materials and natural resources in all operations.
- Reducing the waste generated by all operations.
- Ensuring that all waste conforms to recognized environmental standards.
- Maximizing the recyclable and reusable content of all products.
- Ensuring that all products can be recycled, reused and disposed of safely.
- Ensuring that all products are labelled according to recognized environmental standards.
- Improving our environmental record on a continual basis.

End Of Life Statement

3Com processes allow for the recovery, reclamation and safe disposal of all end-of-life electronic components.

Regulated Materials Statement

3Com products do not contain any hazardous or ozone-depleting material.

Environmental Statement about the Documentation

The documentation for this product is printed on paper that comes from sustainable, managed forests; it is fully biodegradable and recyclable, and is completely chlorine-free. The varnish is environmentally-friendly, and the inks are vegetable-based with a low heavy-metal content.

Environmental Statement about the Product Packaging

The packaging for this product is fully recyclable. It has a recycled (post consumer) waste content of at least 40% by weight, and no heavy-metal content.

IMPORTANT SAFETY INFORMATION



WARNING: Warnings contain directions that you must follow for your personal safety. Follow all directions carefully.

You must read the following safety information carefully before you install or remove the unit:

- Exceptional care must be taken during installation and removal of the unit.
- Only stack the HomeConnect hub with other HomeConnect units.
- To ensure compliance with international safety standards, only use the power adapter that is supplied with the unit.
- The socket outlet must be near to the unit and easily accessible. You can only remove power from the unit by disconnecting the power cord from the outlet.
- This unit operates under SELV (Safety Extra Low Voltage) conditions according to IEC 950. The conditions are only maintained if the equipment to which it is connected also operates under SELV conditions.

- There are no user-replaceable fuses or user-serviceable parts inside the hub. If you have a physical problem with the unit that cannot be solved with problem solving actions in this guide, contact your supplier.

- Disconnect the power adapter before moving the unit.



WARNING: RJ-45 ports. These are shielded RJ-45 data sockets. They cannot be used as telephone sockets. Only connect RJ-45 data connectors to these sockets.

WICHTIGE SICHERHEITSHINWEISE



WARNHINWEIS: Warnhinweise enthalten Anweisungen, die Sie zu Ihrer eigenen Sicherheit befolgen müssen. Alle Anweisungen sind sorgfältig zu befolgen. Sie müssen die folgenden Sicherheitsinformationen sorgfältig durchlesen, bevor Sie das Gerät installieren oder ausbauen:

- Bei der Installation und beim Ausbau des Geräts ist mit höchster Vorsicht vorzugehen.
- Stapeln Sie das Gerät nur mit anderen HomeConnect Gerätes zusammen.
- Aufgrund von internationalen Sicherheitsnormen darf das Gerät nur mit dem mitgelieferten Netzadapter verwendet werden.
- Die Netzsteckdose muß in der Nähe des Geräts und leicht zugänglich sein. Die Stromversorgung des Geräts kann nur durch Herausziehen des Geräterezkabels aus der Netzsteckdose unterbrochen werden
- Der Betrieb dieses Geräts erfolgt unter den SELV-Bedingungen (Sicherheitskleinstspannung) gemäß IEC 950. Diese Bedingungen sind nur gegeben, wenn auch die an das Gerät angeschlossenen Geräte unter SELV-Bedingungen betrieben werden.

- Es sind keine von dem Benutzer zu ersetzende oder zu wartende Teile in dem Gerät vorhanden. Wenn Sie ein Problem mit dem Switch haben, das nicht mittels der Fehleranalyse in dieser Anleitung behoben werden kann, setzen Sie sich mit Ihrem Lieferanten in Verbindung.
- Vor dem Ausbau des Geräts das Netzadapterkabel herausziehen.



WARNHINWEIS: RJ-45-Anschlüsse. Dies sind abgeschirmte RJ-45-Datenbuchsen. Sie können nicht als Telefonanschlußbuchsen verwendet werden. An diesen Buchsen dürfen nur RJ-45-Datenstecker angeschlossen werden.

CONSIGNES IMPORTANTES DE SÉCURITÉ



AVERTISSEMENT: Les avertissements présentent des consignes que vous devez respecter pour garantir votre sécurité personnelle. Vous devez respecter attentivement toutes les consignes.
Nous vous demandons de lire attentivement les consignes suivantes de sécurité avant d'installer ou de retirer l'appareil:

- Faites très attention lors de l'installation et de la dépose du groupe.
- Seulement entasser le moyeur avec les autres moyeux HomeConnects.
- Pour garantir le respect des normes internationales de sécurité, utilisez uniquement l'adaptateur électrique remis avec cet appareil.
- La prise secteur doit se trouver à proximité de l'appareil et son accès doit être facile. Vous ne pouvez mettre l'appareil hors circuit qu'en débranchant son cordon électrique au niveau de cette prise.
- L'appareil fonctionne à une tension extrêmement basse de sécurité qui est conforme à la norme CEI 950. Ces conditions ne sont maintenues que si l'équipement auquel il est raccordé fonctionne dans les mêmes conditions.

- Il n'y a pas de parties remplaçables par les utilisateurs ou entretenues par les utilisateurs à l'intérieur du moyeu. Si vous avez un problème physique avec le moyeu qui ne peut pas être résolu avec les actions de la résolution des problèmes dans ce guide, contacter votre fournisseur.
- Débranchez l'adaptateur électrique avant de retirer cet appareil.



AVERTISSEMENT: Ports RJ-45. Il s'agit de prises femelles blindées de données RJ-45. Vous ne pouvez pas les utiliser comme prise de téléphone. Branchez uniquement des connecteurs de données RJ-45 sur ces prises femelles.

TECHNICAL SUPPORT

3Com provides easy access to technical support information through a variety of services. This section describes these services.

Information contained in this section is correct at time of publication. For the most recent information, 3Com recommends that you access the 3Com Corporation World Wide Web site.

Online Technical Services

3Com offers worldwide product support 24 hours a day, 7 days a week, through the following online systems:

- World Wide Web site.
- 3Com Knowledgebase Web Services.

World Wide Web Site

To access the latest networking information on the 3Com Corporation World Wide Web site, enter this URL into your Internet browser:

<http://www.3com.com/>

This service provides access to online support information such as technical documentation and software, as well as support options that range from technical education to maintenance and professional services.

3Com Knowledgebase Web Services

This interactive tool contains technical product information compiled by 3Com expert technical engineers around the globe. Located on the World Wide Web at:

<http://knowledgebase.3com.com>.

This service gives all 3Com customers and partners complementary, round-the-clock access to technical information on most 3Com products.

Support from Your Network Supplier

If you require additional assistance, contact your network supplier. Many suppliers are authorized 3Com service partners who are qualified to provide a variety of services, including network planning, installation, hardware maintenance, application training, and support services.

When you contact your network supplier for assistance, have the following information ready:

- Product model name, part number, and serial number.
- A list of system hardware and software, including revision levels.
- Diagnostic error messages.
- Details about recent configuration changes, if applicable.

If you are unable to contact your network supplier, see the following section on how to contact 3Com.

Support from 3Com

If you are unable to obtain assistance from the 3Com online technical resources or from your network supplier, 3Com offers technical telephone support services. To find out more about your support options, call the 3Com technical telephone support phone number at the location nearest you.

When you contact 3Com for assistance, have the following information ready:

- Product model name, part number, and serial number.
- A list of system hardware and software, including revision levels.
- Diagnostic error messages.
- Details about recent configuration changes, if applicable.

Here is a list of worldwide technical telephone support numbers:

Country	Telephone Number	Country	Telephone Number
Asia, Pacific Rim			
Australia	1 800 678 515	P.R. of China	10800 61 00137 or
Hong Kong	800 933 486		021 6350 1590
India	+61 2 9937 5085	Singapore	800 6161 463
Indonesia	001 800 61 009	S. Korea	
Japan	0031 61 6439	From anywhere in S. Korea:	00798 611 2230
Malaysia	1800 801 777	From Seoul:	(0)2 3455 6455
New Zealand	0800 446 398	Taiwan, R.O.C.	0080 611 261
Pakistan	+61 2 9937 5085	Thailand	001 800 611 2000
Philippines	1235 61 266 2602		
Europe			
From anywhere in Europe, call: +31 (0)30 6029900 phone			
+31 (0)30 6029999 fax			
Europe, South Africa, and Middle East			
From the following countries, you may use the toll-free numbers:			
Austria	0800 297468	Netherlands	0800 0227788
Belgium	0800 71429	Norway	800 11376
Denmark	800 17309	Poland	00800 3111206
Finland	0800 113153	Portugal	0800 831416
France	0800 917959	South Africa	0800 995014
Germany	0800 1821502	Spain	900 983125
Hungary	00800 12813	Sweden	020 795482
Ireland	1800 553117	Switzerland	0800 55 3072
Israel	1800 9453794	U.K.	0800 966197
Italy	1678 79489		

Country	Telephone Number	Country	Telephone Number
Latin America			
Argentina	AT&T +800 666 5065	Mexico	01 800 CARE (01 800 2273)
Brazil	0800 13 3266	Peru	AT&T +800 666 5065
Chile	1230 020 0645	Puerto Rico	800 666 5065
Colombia	98012 2127	Venezuela	AT&T +800 666 5065
North America			
	1 800 876-3266		

Returning Products for Repair

Before you send a product directly to 3Com for repair, you must first obtain a Return Material Authorization (RMA) number. Products sent to 3Com without authorization numbers will be returned to the sender unopened, at the sender's expense.

To obtain an authorization number, call or fax:

Country	Telephone Number	Fax Number
Asia, Pacific Rim	+ 65 543 6500	+ 65 543 6348
Europe, South Africa, and Middle East	+ 31 30 6029900	+ 31 30 6029999
Latin America	1 408 326 2927	1 408 326 3355

From the following countries, you may call the toll-free numbers; select option 2 and then option 2:

Country	Telephone Number	Fax Number
Austria	0800 297468	
Belgium	0800 71429	
Denmark	800 17309	
Finland	0800 113153	
France	0800 917959	
Germany	0800 1821502	
Hungary	00800 12813	
Ireland	1800553117	
Israel	1800 9453794	
Italy	1678 79489	
Netherlands	0800 0227788	
Norway	800 11376	
Poland	00800 3111206	
Portugal	0800 831416	
South Africa	0800 995014	
Spain	900 983125	
Sweden	020 795482	
Switzerland	0800 55 3072	
U.K.	0800 966197	
U.S.A. and Canada	1 800 876 3266	1 408 326 7120 (not toll-free)

3Com Corporation LIMITED WARRANTY

3Com OfficeConnect Dual Speed Ethernet Hub 5

The duration of the warranty for the OfficeConnect Dual Speed Ethernet Hub 5 (3C19621A) is lifetime, including the power adapter.

Advance hardware exchange is available during the first year from your date of purchase in accordance with 3Com's standard terms and conditions for such service. After the first year the warranty reverts to 3Com's standard lifetime limited warranty.

To qualify for the lifetime limited warranty and the advance hardware exchange you must submit the appropriate product warranty registration card to 3Com, otherwise this product will be warranted for a period of one (1) year without advance hardware exchange.

HARDWARE

3Com warrants this hardware product to be free from defects in workmanship and materials, under normal use and service, for the following length of time from the date of purchase from 3Com or its authorized reseller:

One (1) year (unless otherwise specified above)

3Com's sole obligation under this express warranty shall be, at 3Com's option and expense, to repair the defective product or part, deliver to Customer an equivalent product or part to replace the defective item, or if neither of the two foregoing options is reasonably available, 3Com may, in its sole discretion, refund to Customer the purchase price paid for the defective product. All products that are replaced will become the property of 3Com. Replacement products may be new or reconditioned. 3Com warrants any replaced or repaired product or part for ninety (90) days from shipment, or the remainder of the initial warranty period, whichever is longer.

SOFTWARE

3Com warrants that each software program licensed from it will perform in substantial conformance to its program specifications, for a period of ninety (90) days from the date of purchase from 3Com or its authorized reseller. 3Com warrants the media containing software against failure during the warranty period. No updates are provided. 3Com's sole obligation under this express warranty shall be, at 3Com's option and expense, to refund the purchase price paid by Customer for any defective software product, or to replace any defective media with software which substantially conforms to applicable 3Com published

specifications. Customer assumes responsibility for the selection of the appropriate applications program and associated reference materials. 3Com makes no warranty or representation that its software products will meet Customer's requirements or work in combination with any hardware or applications software products provided by third parties, that the operation of the software products will be uninterrupted or error free, or that all defects in the software products will be corrected. For any third party products listed in the 3Com software product documentation or specifications as being compatible, 3Com will make reasonable efforts to provide compatibility, except where the non-compatibility is caused by a "bug" or defect in the third party's product or from use of the software product not in accordance with 3Com's published specifications or user manual.

YEAR 2000 WARRANTY

In addition to the Hardware Warranty and Software Warranty stated above, 3Com warrants that each product sold or licensed to Customer on and after January 1, 1998 that is date sensitive will continue performing properly with regard to such date data on and after January 1, 2000, provided that all other products used by Customer in connection or combination with the 3Com product, including hardware, software, and firmware, accurately exchange date data with the 3Com product, with the exception of those products identified at 3Com's Web site, <http://www.3com.com/products/yr2000.html>, as not meeting this standard. If it appears that any product that is stated to meet this standard does not perform properly with regard to such date data on and after January 1, 2000, and Customer notifies 3Com before the later of April 1, 2000, or ninety (90) days after purchase of the product from 3Com or its authorized reseller, 3Com shall, at its option and expense, provide a software update which would effect the proper performance of such product, repair such product, deliver to Customer an equivalent product to replace such product, or if none of the foregoing is feasible, refund to Customer the purchase price paid for such product.

Any software update or replaced or repaired product will carry a Year 2000 Warranty for ninety (90) days after purchase or until April 1, 2000, whichever is later.

OBTAINING WARRANTY SERVICE

Customer must contact a 3Com Corporate Service Center or an Authorized 3Com Service Center within the applicable warranty period to obtain warranty service authorization. Dated proof of purchase from 3Com or its authorized reseller may be required. Products returned to 3Com's Corporate Service Center must be pre-authorized by 3Com with a Return Material Authorization (RMA) number

marked on the outside of the package, and sent prepaid and packaged appropriately for safe shipment, and it is recommended that they be insured or replaced by a method that provides for tracking of the package. The repaired or replaced item will be shipped to Customer, at 3Com's expense, not later than thirty (30) days after 3Com receives the defective product.

Dead- or Defective-on-Arrival. In the event a product completely fails to function or exhibits a defect in materials or workmanship within the first forty-eight (48) hours of installation but no later than thirty (30) days after the date of purchase, and this is verified by 3Com, it will be considered dead- or defective-on-arrival (DOA) and a replacement shall be provided by advance replacement. The replacement product will normally be shipped not later than three (3) business days after 3Com's verification of the DOA product, but may be delayed due to export or import procedures. When an advance replacement is provided and Customer fails to return the original product to 3Com within fifteen (15) days after shipment of the replacement, 3Com will charge Customer for the replacement product, at list price.

3Com shall not be responsible for any software, firmware, information, or memory data of Customer contained in, stored on, or integrated with any products returned to 3Com for repair, whether under warranty or not.

ADDITIONAL SERVICES:

Telephone Support. This OfficeConnect® product comes with telephone technical support for life. The lifetime telephone support begins on the date of Customer's product purchase. 3Com reserves the right to modify or cancel this offering at any time, without advance notice. This offering is not available where prohibited or restricted by law.

The telephone technical support is available from 3Com from 9 a.m. to 5 p.m., local time, Monday through Friday, excluding local holidays. Telephone technical support is limited to the 3Com products designated above and may include assistance with installation, product specific configuration, and identification of equipment problems. Please refer to the Technical Support appendix in the User Guide for telephone numbers.

Response to requests for telephone technical support will be in the form of a return call from a 3Com representative by close of business the following business day.

To qualify for the lifetime telephone technical support, you must register on the 3Com Web site at <http://support.3Com.com/index.htm>, and provide your date of purchase, product number, and serial number. 3Com reserves the right to modify or cancel this telephone support offering at any time, without advance notice. This offer is not available where prohibited or restricted by law.

3Com's Web and Bulletin Board Service are available at no charge, and provide software and firmware upgrades, a bug list, and technical information about 3Com products.

WARRANTIES EXCLUSIVE

IF A 3COM PRODUCT DOES NOT OPERATE AS WARRANTED ABOVE, CUSTOMER'S SOLE REMEDY FOR BREACH OF THAT WARRANTY SHALL BE REPAIR, REPLACEMENT, OR REFUND OF THE PURCHASE PRICE PAID, AT 3COM'S OPTION. TO THE FULL EXTENT ALLOWED BY LAW, THE FOREGOING WARRANTIES AND REMEDIES ARE EXCLUSIVE AND ARE IN LIEU OF ALL OTHER WARRANTIES, TERMS, OR CONDITIONS, EXPRESS OR IMPLIED, EITHER IN FACT OR BY OPERATION OF LAW, STATUTORY OR OTHERWISE, INCLUDING WARRANTIES, TERMS, OR CONDITIONS OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, SATISFACTORY QUALITY, CORRESPONDENCE WITH DESCRIPTION, AND NON-INFRINGEMENT, ALL OF WHICH ARE EXPRESSLY DISCLAIMED. 3COM NEITHER ASSUMES NOR AUTHORIZES ANY OTHER PERSON TO ASSUME FOR IT ANY OTHER LIABILITY IN CONNECTION WITH THE SALE, INSTALLATION, MAINTENANCE OR USE OF ITS PRODUCTS.

3COM SHALL NOT BE LIABLE UNDER THIS WARRANTY IF ITS TESTING AND EXAMINATION DISCLOSE THAT THE ALLEGED DEFECT OR MALFUNCTION IN THE PRODUCT DOES NOT EXIST OR WAS CAUSED BY CUSTOMER'S OR ANY THIRD PERSON'S MISUSE, NEGLIGENCE, IMPROPER INSTALLATION OR TESTING, UNAUTHORIZED ATTEMPTS TO OPEN, REPAIR OR MODIFY THE PRODUCT, OR ANY OTHER CAUSE BEYOND THE RANGE OF THE INTENDED USE, OR BY ACCIDENT, FIRE, LIGHTNING, OTHER HAZARDS, OR ACTS OF GOD.

LIMITATION OF LIABILITY

TO THE FULL EXTENT ALLOWED BY LAW, 3COM ALSO EXCLUDES FOR ITSELF AND ITS SUPPLIERS ANY LIABILITY, WHETHER BASED IN CONTRACT OR TORT (INCLUDING NEGLIGENCE), FOR INCIDENTAL, CONSEQUENTIAL, INDIRECT, SPECIAL, OR PUNITIVE DAMAGES OF ANY KIND OR FOR LOSS OF REVENUE OR PROFITS, LOSS OF BUSINESS, LOSS OF INFORMATION OR DATA, OR OTHER FINANCIAL LOSS ARISING OUT OF OR IN CONNECTION WITH THE SALE, INSTALLATION, MAINTENANCE, USE, PERFORMANCE, FAILURE, OR INTERRUPTION OF ITS PRODUCTS, EVEN IF 3COM OR ITS AUTHORIZED RESELLER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, AND LIMITS ITS LIABILITY TO REPAIR, REPLACEMENT, OR REFUND OF THE PURCHASE PRICE PAID, AT 3COM'S OPTION. THIS DISCLAIMER OF LIABILITY FOR DAMAGES WILL NOT BE AFFECTED IF ANY REMEDY PROVIDED HEREIN SHALL FAIL OF ITS ESSENTIAL PURPOSE.

DISCLAIMER

Some countries, states, or provinces do not allow the exclusion or limitation of implied warranties or the limitation of incidental or consequential damages for certain products supplied to consumers, or the limitation of liability for personal injury, so the above limitations and exclusions may be limited in their application to you. When the implied warranties are not allowed to be excluded in their entirety, they will be limited to the duration of the applicable written warranty. This warranty gives you specific legal rights which may vary depending on local law.

GOVERNING LAW

This Limited Warranty shall be governed by the laws of the State of California, U.S.A. excluding its conflicts of laws principles and excluding the United Nations Convention on Contracts for the International Sale of Goods.

3Com Corporation
5400 Bayfront Plaza
Santa Clara, CA 95054
(408) 326-5000

ELECTROMAGNETIC COMPATIBILITY

FCC STATEMENT

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, and the Canadian Department of Communications Equipment Standards entitled, "Digital Apparatus," ICES-003. 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 causes interference to radio or television reception, which can be determined by turning the equipment off and on, try to correct the interference by using one or more of the following measures:

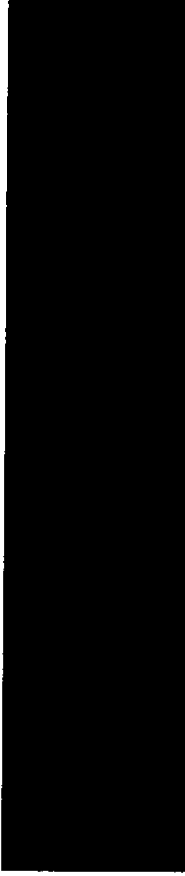
- Reorient the receiving antenna.
- Relocate the equipment with respect to the receiver.
- Move the equipment away from the receiver.
- Plug the equipment into a different outlet so that equipment and receiver are on different branch circuits.
- Consult the dealer or an experienced radio/television technician for help.

CSA STATEMENT

This Class B digital apparatus meets all requirements of the Canadian interference-Causing Equipment Regulations.

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

VCCI STATEMENT



BCIQ STATEMENT

警告使用者：這是甲類的資訊產品，在居住的環境中使用時，可能會造成射頻干擾，在這種情況下，使用者會被要求採取某些適當的對策。

INFORMATION TO THE USER

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

How to Identify and Resolve Radio-TV Interference Problems

This booklet is available from the U.S. Government Printing Office, Washington, DC 20402, Stock No. 004-000-00345-4.

In order to meet FCC emissions limits, this equipment must be used only with cables which comply with IEEE 802.3.