

Certification Exhibit

FCC ID: EW780-6044-02 IC: 1135B-80604402

FCC Rule Part: 15.323 IC Radio Standards Specification: RSS-213

ACS Report Number: 08-0466 - 15D

Model(s): DTM602G

Installation Guide

Touchstone[®] DTM602G Telephony Modem Setup Guide

Get ready to experience the Internet's express lane! Whether you're checking out streaming media, downloading new software, checking your email, or talking with friends on the phone, the Touchstone DTM602G Telephony Modem brings it all to you faster and more reliably. All while providing toll quality Voice over IP telephone service, whether you are using the provided cordless DECT 6.0 handset or your regular home phone. Some models even provide a lithium-ion battery backup to provide continued telephone service during power outages.

The Touchstone Telephony Modem provides an Ethernet connection for use with either a single computer or home/office Local Area Network (LAN). In addition, the Touchstone Telephony Modem provides for up to two separate lines of telephone service.

Built-in Digital Enhanced Cordless Telecommunications (DECT) Base station functionality allows you to connect up to five cordless DECT 6.0 handsets to line 1 of your Telephony Modem. The advanced features of the DECT handset allow you to access news, weather and other information on your phone screen without being at your computer.

Installation is simple and your cable company will provide assistance to you for any special requirements. The links below provide more detailed instructions.

Safety Requirements

Getting Started Battery Installation and Replacement Installing and Connecting Your Telephony Modem Handset Installation Configuring Your Ethernet Connection Using the Telephony Modem About the Handset Troubleshooting Glossary



Export Regulations

This product may not be exported outside the U.S. and Canada without U.S. Department of Commerce, Bureau of Export Administration authorization. Any export or re-export by the purchaser, directly or indirectly, in contravention of U.S. Export Administration Regulation is prohibited.

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Protected under one or more of the following U.S. patents: 7,031,453; 7,100,011. Other patents pending.

| Safety | Getting Started | Battery Installation | Modem Installation | Handset Installation | Ether Configu | net ration | Usage | About the Handset | Trouble- shooting | Glossary | | |
|--|--------------------|--|-----------------------|-------------------------|--|---|---------------------|----------------------|----------------------|-------------------------------------|--|--|
| Safety | y Requir | ements | | | Do not use product near water (i.e. wet basement, bath sink or near a swimming pool, etc.), to avoid risk of elect | | | | | | | |
| ARRIS Tele | phony Modems c | omply with the a | applicable requ | uirements for | Do not use spray cleaners or aerosols on the Telephony Mod | | | | | | | |
| performance, construction, labeling, and information when used a | | | | | | build use splay cleaners of aerosols of the relephony modern. | | | | | | |
| Outlined below: CAUTION Risk of shock Mains voltages inside this unit. No user serviceable | | | | | Avoid using and/or connecting the equipment during an electri- cal storm, to avoid risk of electrocution. | | | | | | | |
| | | | | | • | Do not the leak | use the telep <. | hone to repor | t a gas leak in | the vicinity of | | |
| | parts insonly! | parts inside. Refer service to qualified personnel only! | | | Do not locate the equipment within 6 fee ignition source (i.e. heat registers, spacetc.). | | | | |) of a flame or ers, fireplaces, | | |

- Use only the power supply and power cord included with the equipment.
- Equipment should be installed near the power outlet and should be easily accessible.
- The shield of the coaxial cable must be connected to earth (grounded) at the entrance to the building in accordance with applicable national electrical installation codes. In the U.S., this is required by NFPA 70 (National Electrical Code) Article 820. In the European Union and in certain other countries, CATV installation equipotential bonding requirements are specified in IEC 60728-11, *Cable networks for television signals, sound signals and interactive services*, Part 11: Safety. This equipment is intended to be installed in accordance with the requirements of IEC 60728-11 for safe operation.

If the equipment is to be installed in an area serviced by an IT power line network, as is found in many areas of Norway, special attention should be given that the installation is in accordance with IEC 60728-11, in particular Annex B and Figure B.4.

• In areas of high surge events or poor grounding situations and areas prone to lightning strikes, additional surge protection may be required (i.e. PF11VNT3 from American Power Conversion) on the AC, RF, Ethernet and Phone lines.

Home Prev Next

CAUTION

Modem.

CAUTION

Risk of explosion Replacing the battery with an incorrect type can cause product failure and a risk of battery explosion. Dispose of used batteries according to the instructions.

• The Telephony Modem is designed to be connected directly to a telephone.

Potential equipment damage

Connecting the Telephony Modem to existing telephone wiring should only be performed by a professional installer. Physical connections to the

previous telephone provider must be removed and

the wiring must be checked; there must not be any voltages. Cancellation of telephone service is not

service and/or permanent damage to the Telephony

adequate. Failure to do so may result in loss of

Potential loss of service

- Connecting the Telephony Modem to the home's existing telephone wiring should only be performed by a professional installer.
 - Touchstone DTM602G Telephony Modem Setup Guide



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• When the Telephony Modem is connected to a local computer through an Ethernet cable, the computer must be properly grounded to the building/residence AC ground network. All plug-in cards within the computer must be properly installed and grounded to the computer frame per the manufacturer's specifications.

European Compliance

This product is designed to meet the provisions of the Electromagnetic Compatibility (EMC) Directive (89/336/EEC), the Amending Directive (92/31/EEC), the Low Voltage Directive (73/23/EEC), and the CE Marking Directive (93/68/EEC). As such, this product bears the CE marking in accordance with the above applicable Directive(s).



As indicated by this symbol, disposal of this product or battery is governed by Directive 2002/ 96/EC of the European Parliament and of the Council on waste electrical and electronic equipment (WEEE). WEEE could potentially prove harmful to the environment; as such, upon disposal of the Telephony Modem the Directive requires that this product must not be disposed as unsorted municipal waste, but rather collected separately and disposed of in accordance with local WEEE ordinances.

This product complies with directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003 on the restriction of the use of certain hazardous substances (RoHS) in electrical and electronic equipment.





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FCC Part 15

This equipment has been tested and found to comply with the requirements for a Class B digital device under Part 15 of the Federal Communications Commission (FCC) rules. These requirements are intended 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.

Changes or modifications to this equipment not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device 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. Privacy of communications may not be ensured when using this telephone.

To ensure safety of users, the FCC has established criteria for the amount of radio frequency energy that can be safely absorbed by a user or bystander according to the intended usage of the product. This product has been tested and found to comply with the FCC criteria. The handset may be safely held against the ear of the user. The telephone base shall be installed and used such that parts of the user's body other than the hands are maintained at a distance of approximately 20 cm (8 inches) or more.

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

Industry Canada

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

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





|--|

CAUTION (Handset Battery)

Rechargeable batteries: This product contains nickel-cadmium, nickel-metal hydride or lithium-ion rechargeable batteries. Exercise care in handling batteries in order not to create a short circuit with conductive material such as rings, bracelets, and keys. The battery or conductor may overheat and cause harm. Observe proper polarity between the battery and the battery charger.

Lithium-ion rechargeable batteries: Dispose of these batteries in a safe manner. Do not burn or puncture. Like other batteries of this type, if burned or punctured, they could release caustic material which could cause injury.



The RBRCTM Seal means that the manufacturer is voluntarily participating in an industry program to collect and recycle lithium-ion rechargeable batteries when taken out of service within the United States. These batteries may be taken to a participating local retailer of replacement batteries or recycling center. Or you may call 1-800-8-BATTERY for locations accepting spent Li-ion batteries.

CAUTION

- Use only the batteries provided or their equivalent.
- Change this product's batteries only in accordance with the instructions and limitations specified in this manual.
- As with any batteries, do not allow conductive materials such as rings, bracelets, or keys to come in conductor with the metallic parts of the battery. The battery or conductor may overheat and cause harm.
- Do not open or damage the batteries. Released electrolyte is corrosive and may cause injury to the eyes or skin. The electrolyte may be toxic if swallowed.
- Do not dispose of the batteries in a fire. Check with local waste management codes for special disposal instructions.



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| | | | | | | | | | |

Getting Started

About Your New Telephony Modem

The Touchstone DTM602G Telephony Modem is $\text{DOCSIS}^{\textcircled{R}}$ compliant with the following features:

- Speed: much faster than dialup or ISDN service
- Convenience: supports Ethernet
- Flexibility: provides two independent lines of telephone service as well as high speed data
- Compatibility: supports tiered data services (if offered by your cable company)
- Embedded DECT 6.0 cordless telephone

What's in the Box?

Make sure you have the following items before proceeding. Call your cable company for assistance if anything is missing.

- Telephony Modem
- Power Cord
- Quick Install Guide
- Ethernet Cable
- CD-ROM
- DECT 6.0 Cordless Handset
- Charger
- Power Adapter for Handset Charger
- Battery (optional)
- Battery Compartment Cover



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| | | | | | | | | | |

What's on the CD?

The CD provides the following items:

- DTM602G Handset User Guide
- Touchstone $^{\ensuremath{\mathbb{R}}}$ DTM602G Telephony Modem Setup Guide



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| | | | | Items If you are ing items | You Need installing the Tele on hand before c | ephony Mode continuing: | em yourself, ma | ake sure you ha | ave the follow- | | |
| | | | | Telephony modem package: see <u>What's in the Box?</u> for a list of items in the package. | | | | | | | |
| | | | | • Co wi to an ard en | baxial cable (coa th a connector or your television for d many discount s e two types of cor e best for use w ough to reach fro | ax): as show n each end. I r cable TV. Yo stores; make nnectors, slip rith your Tele om your Tele | n in the image It is the same ou can buy coax e sure it has cor -on and screw- ephony Moden phony Modem | to the left, this kind of wire us from any elec nnectors on bo on; the screw- n. The coax s to the nearest | is a thin cable sed to connect tronics retailer th ends. There on connectors hould be long cable outlet. | | |
| | Coor | | | Phone Cable: as shown in the image to the left, this is a standard phone cable with standard phone connectors (RJ11 type) on both ends. You can buy phone cables from any electronics retailer and many discount stores. | | | | | | | |
| | | | | • Sp ou to ele pie ca No | blitter (optional) the into two. You the cable outlet ectronics retailer ece of coax cable ble outlet and the ote: A splitter effe |): provides and may need a that you wa and most di (with conne en connect the ectively cuts several split | n extra cable co splitter if you nt to use. You scount stores; ctors); use it t ne Telephony M the signal in h ters in a line m | onnection by sp have a TV alre can buy a spl you may also o connect the odem and TV alf and sends o pay deteriorate | blitting a single ady connected itter from any o need a short splitter to the to the splitter. each half to its | | |
| | | | / | • In co inf tic | ur television, tele formation packer ntaining informat formation carefully | phone, and/ et: your cabl ion about yo y and contac | or internet con e company sho our service and t your cable co | nection. Juld furnish you how to set it mpany if you h | u with a packet up. Read this have any ques- | | |
| | Phor | ne Cable | | | | | | | | | |

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| | | | | Gettir | ng Service | | | | | | | |
| | | | | Before tr to establ lowing ir | rying to use your r ish an Internet acc iformation ready: | ew Telephor count and tel | ny Modem, cont ephone service | act your local . When you ca | cable company II, have the fol- | | | |
| | | | | • tł o | ne Telephony Mode n a sticker on the | em serial nur bottom of th | mber and MAC and Telephony M | addresses of th odem) | ne unit (printed | | | |
| | | | | • tł | ne model number | of the Teleph | nony Modem | | | | | |
| | | | | Save this information for future use. In addition, you should ask your cable com- pany the following questions: | | | | | | | | |
| | | | | • D Ic | o you have any sp ad after I am con | oecial system nected? | n requirements | or files that I | need to down- | | | |
| | | | | • W | /hen can I start us | sing my Tele | phony Modem? | | | | | |
| | | | | • D | o I need a user I |) or passwor | d to access the | Internet or m | ny e-mail? | | | |
| | | | | • W | /ill my phone num | ber(s) chang | ge? | | | | | |
| | | | | • V | /hat new calling fe | eatures will I | have and how | do I use them | ו? | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
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| | | | | Wha Having amoun reason lowing | t about Secu a high-speed, alw t of responsibility to ably secure system. tips to enhance you | rity? ays-on_conn other Interr While no sy r system's se | nection to the net users—inclu stem is 100% s scurity: | Internet requ Iding the need secure, you ca | ires a certain to maintain a an use the fol- |
| | | | | • | Keep your operating the system update Keep your email pro tion, avoid opening through chat rooms | g system upo utility at leas ogram update) email conta , whenever p | dated with the st weekly. ed with the late aining attachm possible. | latest security est security pat ents, or oper | v patches. Run tches. In addi- ning files sent |
| | | | | Install a virus checker and keep it updated. Avoid providing web or file-sharing services over your Telephony Modem Besides certain vulnerability problems, most cable companies prohibit run- ning servers on consumer-level accounts and may suspend your account for violating your terms of service. | | | | | |
| | | | | • • | Use the cable comp Avoid using proxy s abuse by other Inten nals can take advan into other computer ble company may su If you connect your able security and en you should run only nical support of the | any's mail se software unle rnet users (tage of open 's or sending uspend your Telephony M icryption on t secured pro- wireless equ | ervers for sendi ess you are ce some are shipp proxies to hide spam. If you h account to pro- odem to a wire the wireless hul xies). Consult t ipment provide | ing email. rtain that it is bed open by d their identity v ave an open p tect the rest o less LAN, make b (for the sam he documenta r for help. | s not open for efault). Crimi- when breaking proxy, your ca- f the network. e sure you en- e reasons that ition and tech- |
| | | | | | | | | | |



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4-cell Battery





Battery Installation and Replacement

For safety and regulatory purposes, batteries are shipped outside of the Telephony Modem and must be installed.

This model of the Telephony Modem has the ability to provide battery backup in the event of a local power loss. The battery backup is not intended to take the place of AC power. Use this procedure to install and to replace the backup batteries.

Actions

- **1.** Press the tab and slide the door. Pull the door toward the back of the Telephony Modem until it detaches. Set the door aside in a safe place.
- 2. Hold the battery pack so that the guides on the battery align with the slots on the Telephony Modem and slide the battery into the bay. The diagram on the left shows the proper orientation.

Note: Batteries will not insert completely into the Telephony Modem if not oriented correctly. The battery should slide into the bay without significant force. Line up the slots in the battery bay with the guides on the battery and apply even pressure on both ends of the battery.



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| | | () {* | | 3. Pu ag ar di | ish the battery par ram shows a Teler re taking the bat slodge the batte | ck into the b ohony Moder ttery out o e ry . | bay until it seats m with a 4-cell k f the unit, use | into place. The battery pack in the battery | ne following di- nstalled. If you pull strap to |
| | | | | N | DTE: The Telepho power. | ny Modem | will not begin c | perating until | l you apply AC |
| | | | | 4. Re | place the door. To | do so, plac | e the hinge tab | s of the batter | y door into the |

- I. Replace the door. To do so, place the hinge tabs of the battery door into the receiver slots inside the Telephony Modem battery compartment on the opposite end of the battery opening slot. Slide the door toward the unit until the latch snaps back into place.
 - **NOTE:** Please recycle or dispose of the battery responsibly and in accordance with local ordinances.





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Installing and Connecting Your Telephony Modem

Before you start, make sure that:

- You have contacted your cable company and verified that they provide data and telephone service using standard DOCSIS technology.
- You have all the <u>Items You Need</u>.
- Cable, phone, and power outlets are available near the computer. If a cable outlet is not conveniently located, your cable company can install a new one.

If you have ordered service, your cable company should configure the Telephony Modem automatically. You need only follow the instructions in this section to install and connect the Telephony Modem.



CAUTION Risk of equipment damage

Only qualified installation technicians should connect the Telephony Modem to house wiring. Incumbent telephone service must be *physically* disconnected at the outside interface box before making any connections.



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|-------------------------|--------------------------|-------------------------|-----------------------|---|---|----------------|----------------------|----------------------|------------------|--------------|-----|--|--|
| DTM602G | | | | Front Panel DTM602G The front of the Telephony Modem has the following indicators: | | | | | | | | | |
| | | | | A P | ower: indicates w | hether AC p | ower is availab | le to the unit | | | | | |
| | | | | BC | DS : indicates downstream connectivity | | | | | | | | |
| Α — | | Power | | C US: indicates upstream connectivity | | | | | | | | | |
| в — | | | | DC | nline: indicates in | nternet data | transmission s | ssion status | | | | | |
| C D E | | Online Link 000 | | EL c | ink : indicates Eth omputer | nernet conne | ectivity betweer | n the Telephor | ny Modem and | | | | |
| F | | Telephone 1 000 | G | FΤ | elephone 1: india | cates status | of line 1 | | | | | | |
| | 0000 0000 | Battery 0000 H | | Battery 0000 H | | GΤ | elephone 2: indic | cates status | of line 2 | | | | |
| | | | | | | ΗB | attery: indicates | status of the | e battery in the | Telephony Mo | dem | | |
| | 1000 | | — К | ιv | MWI: indicates of | ne or more r | new voice mail | messages | | | | | |
| | 100 O | 000 | | JI | nfo: indicates con | nectivity wit | h data server | | | | | | |
| | 000 000 | 000 | | К⊦ | S Registration: | used during | registration of I | handset | | | | | |
| | 000 000 000 000 | 000 | | LF | ind Handset: Pre | ess this butto | on to make the | handset ring. | | | | | |
| | 000 | FIND | | | | | | | | | | | |
| | 000 | | | | | | | | | | | | |
| | 000 000 000 | | | | | | | | | | | | |
| | 000 | | | | | | | | | | | | |







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| | | | | Mount | ing the Tel | ephony | Modem | | |
| | | | | Desktop | Mounting Instr | uctions | | | |
| | | | | 1. Po: | sition the Telepho air flows freely a the back faces t it will not fall to | ony Modem s around it he nearest w the floor if l | so that: vall pumped or mov | ed | |
| | | | | 2 . Pro | oceed to <u>Connect</u> | ing the Tele | ohony Modem. | | |
| | | | | Location Always po | sition the Teleph | ony Modem: | | | |
| | | | | • wit str | thin reach of an A etching and with | AC outlet. The out adding e | e power cord mextension cords | nust reach the | outlet without |
| | | | | • ne | ar a cable outlet | (to avoid lor | ng cable runs). | | |
| | | | | NOTE: To tio | prevent overhea on holes on the si | iting of the ⁻ des of the u | Telephony Mode nit. | em, do not blo | ck the ventila- |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
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DTM602G



Connecting the Telephony Modem

WARNING: Connecting the Telephony Modem to the home's existing telephone wiring should only be performed by a professional installer. Physical connections to the previous telephone provider must be removed and the wiring must be checked; there must not be any voltage. Cancellation of telephone service is not adequate. Failure to do so may result in loss of service and/or permanent damage to the Telephony Modem.

 Connect one end of the coax cable to the cable outlet or splitter, and the other end to the Telephony Modem's Cable connector (E). Tighten the connections by hand, then tighten an additional 1/8 turn with a wrench.

Note: For best performance, use high-quality RG-6 coax cable and minimize or eliminate splitters between the cable jack and the Telephony Modem.

2. Insert the plug from the power cord into the Power connector on the Telephony Modem (F) and insert the power cord into a convenient AC outlet.

The Power light on the front of the Telephony Modem lights up, then flashes once (refer to the LED table on page 45). See <u>Troubleshooting</u> if the Power light does not turn on.

3. Connect one end of the Ethernet cable to the yellow port on the back of the Telephony Modem labeled "Ethernet 10/100," (**C**) and the other end to the Ethernet port on a computer, hub, or broadband router.

Note: If you are connecting to a computer, use the Ethernet cable included in the Telephony Modem package.

4. Proceed to Handset Installation.







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|---------------|----------------------------|-------------------------|--|---|---|---|---|--|--|
| Black wire | Yellow wire Rec wire | | Black wire Yellow wire Red wire | Install 1. Align batter coded 2. Place 3. Position NOTE: To we have | Handset the three hole y compartmen label. the battery in on the battery purchase ww.yourbroad | a Battery es of the batter nt, matching the the compartment compartment replacement <u>condstore.com</u> . | ry plug with the ne red, yellow a ent with the win cover and slide batteries, vis | e socket pins and black wir res in the bot it up until it c it us on | in the handset es of the color- tom left corner. clicks into place. the web at |





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| | | | | Charge After batt optimal pe allow the handset c the batter the batter the hands possible le | e Handset I ery installation, erformance, we re battery to charge harger will be lit y charged by ret y power is comp set will not be u eakage. | Battery there may be ecommend the ge for 16 ho to indicate urning the h letely deplet sed for a lo harged, you o | be enough pow hat you place th urs before use that the handse andset to the c ed, a full recha ing period, rem can expect the | er for some s le handset in t . The CHARG et is charging harger after e rge takes abo hove the batte following perfe | short calls. For he charger and BE light on the . You can keep ach use. When out 16 hours. If ery to prevent ormance: |
| | | | | | | | Operating | time | |
| | | | | While in | use (handset/he | adset) | 7 hours | | |
| | | | | While in | use (Speakerpho | ne) | 5 hours | | |
| | | | | While in | use (Internet bro | owsing) | 3 hours | | |

* Handset is off the charger but not in use.

While not in use (standby*)

The operation time in standby mode decreases to approximately 50 hours if the keypad is blinking to indicate you have new voicemail.

100 hours#

The battery needs charging when:

- A new battery is installed in the handset.
- The battery indicator on the handset display is flashing and empty.



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| | | | | | | | | | |

Configuring Your Ethernet Connection

If your computer is equipped with a LAN card providing an Ethernet connection, you may have to configure your computer's TCP/IP settings. The steps that follow will guide you through setting your computer's TCP/IP settings to work with the Telephony Modem.

Requirements

Make sure you have the following before attempting to configure your Ethernet connection:

- Computer with:
 - one of: Windows 98SE, Windows 2000, Windows ME, Windows XP, Windows Vista or MacOS X
 - Ethernet interface
- Ethernet cable (supplied)
- IP address, subnet, gateway, and DNS information for installations not using DHCP

How to use this chapter

The following list shows the procedures for modifying the TCP/IP settings on the computer. The procedure is slightly different depending on the operating system that you are using. Please ensure you are using the correct steps for the operating system on your computer. Follow the links below for instructions to configure your ethernet connection on your operating system.

- <u>TCP/IP Configuration for Windows 98SE</u>
- <u>TCP/IP Configuration for Windows 2000</u>
- <u>TCP/IP Configuration for Windows ME</u>
- <u>TCP/IP Configuration for Windows XP</u>
- TCP/IP Configuration for Windows Vista
- <u>TCP/IP Configuration for MacOS X</u>



| Safety | Getting Started | Battery Installation | Modem Installation | Handset | Ethernet Configuration | Usage | About the Handset | Trouble- shooting | Glossary |
|--------|--------------------|-------------------------|-----------------------|---|---------------------------|--|--|------------------------|--|
| Safety | Getting Started | Battery Installation | Modem Installation | Handset Installation TCP/IP Follow the system. NOTE: Dia in 1. From 2. Doub | Ethernet Configuration | Usage on for Win gure the TCF on your con elect Start > etwork icon Construction | About the Handset Adows 98SE Adows 98SE P/IP settings of Apputer may diff Settings > C in the Control P Pate Pate Undo Pate AddRey AddRey AddRey Forts Game Controlles Mainder Mainder Walkmeda Walkmeda Walkmeda | Trouble- shooting | Glossary 98SE operating om those shown I. |
| | | | | | | Power Management System T | Printers Regional Sounds | Symantec LiveUpdate | |
| | | | | | 1 object(s) selected | Configu | ures network hardware and 🛄 My Comp | uter // | |

3. Click the **Configuration** tab in the Network window to display the list of Network Adapters.

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| | | | | | | | | | |

4. Highlight TCP/IP by clicking on it one time, then click on Properties.



5. Click the IP Address tab, click Obtain an IP address automatically, then click OK.

| TCP/IP Properties | | | | ? × |
|--|---|---|---|-------------------------------------|
| Bindings | Adv | anced | N | etBIOS |
| DNS Configuration | Gateway | WINS Confi | guration | IP Address |
| An IP address can If your network doa your network admir the space below. | be automat es not auton histrator for | ically assigner natically assign an address, an | d to this c n IP addro nd then ty | omputer. esses, ask vpe it in |
| Obtain an IP O Constitute IP | address aut | omatically | | |
| - <u>specity</u> an in | address: | | | |
| | | | | |
| | <: | | | |
| | | | | |
| | | | | |
| | | | _ | |
| | | OK | | Cancel |



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|--------|--------------------|-------------------------|-----------------------|---------------|----------------|-----------------------------|--------------|-----------------------|----------------------|---------------|
| | | | | 6. | Click windo | OK to accept the ow. | new settings | , and OK agaiı | n to close the (| Configuration |

7. You may have to restart your computer in order for your computer to obtain a new IP address from the network.



| Safety | Getting Started | Battery Installation | Modem Installation | Handse Installat | t Ethernet on Configuratio | n Usage | About the Handset | Trouble- shooting | Glossary |
|--------|--------------------|-------------------------|-----------------------|--------------------------|--|--|---|---|----------------------------------|
| | | | | TCP/ Follow systen | IP Configura these steps to co | tion for Wir onfigure the TC | ndows 2000 P/IP settings o |) n a Windows 2 | 2000 operating |
| | | | | NOTE | Dialog boxes sho in this procedure | own on your cor e. | mputer may dif | fer slightly fror | m those shown |
| | | | | 1. Fr C | om the compute onnections > Lo | er, select Star cal Area Conr | t > Settings nection. | > Network | and Dial-up |
| | | | | 2. Ir or | the Local Area Co it one time, the | onnections Prop n click on Prop | perties window, erties . | highlight TCP . | /IP by clicking |
| | | | | N Se Ai | ote: If your com lect the appropria ea Connection Pr | outer has more ate Ethernet ca operties window | e than one Ethe rd in the Conn w. | ernet card, you e ct using: are | u may have to ea of the Local |
| | | | | | | General Connect using: Connect using: Components checked are used Components checked a | perties et 100 + Modem 56 (Ethernet Int configu ed by this connection: etworks c Enhancer ag for Microsoft Networks P/IP) Uninstall Properties col/Internet Protocol. The defaul I that provides communication ted networks. en connected | ?× eff #e | |

OK

Cancel

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|--------|--------------------|-------------------------|-----------------------|-------------------------|---------------------------|-------|----------------------|----------------------|----------|
| | | | | | Obtain an I | | | and Obtain | |

3. Click Obtain an IP address automatically and Obtain DNS server address automatically, then click OK.

| nternet Protocol (TCP/IP) Pro | operties |
|--|--|
| General | |
| You can get IP settings assigner this capability. Otherwise, you ne the appropriate IP settings. | d automatically if your network support eed to ask your network administrator I |
| Obtain an IP address auto Output the following IP address | matically ess: |
| IP address: | 2 2 2 I |
| Subnet mask: | |
| Default gateway: | * - + + |
| Obtain DNS server addres | ss automatically |
| C Use the following DNS ser | rver addresses: |
| Preferred DNS server: | |
| Alternate DNS server: | |
| | 21 |
| | Advance |

- **4.** Click **OK** to accept the new settings, and **OK** again to close the Configuration window.
- **5.** You may have to restart your computer in order for your computer to obtain a new IP address from the network.

-end-



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|--------|--------------------|-------------------------|-----------------------|------------------------------|---|--|---|--|----------------|
| | | | | TCP/IP Follow the tem. | Configuration se steps to configu | n for Win ure the TCP/ | dows ME IP settings on | a Windows ME | operating sys- |
| | | | | NOTE: Dia in t | alog boxes shown this procedure. | on your com | nputer may dif | fer slightly fror | n those shown |
| | | | | 1 . From | the computer, sel | lect Start > | Settings > 0 | Control Panel. | |
| | | | | 2. Doubl | e click on the Ne | twork icon i | in the Control | Panel. | |
| | | | | | Configures network hardware an | s Iools Help Search Pickers I (1) Accessibility Add Display Find Java Plug-in (1) Java Plug-in (1) Java Plug-in (1) Display (1) Display (1) Display (1) Search (1) Display (1) Display (1) Search (1) | Image: New Register in the section of the section | Lephony Teskbar and Teskbar a | |

3. Click the **Configuration** tab in the Network window to display the list of Network Adapters.

| | Safety | Getting Started | Battery Installation | Modem Installation | Handset Installation | Ethernet Configuration | Usage | About the Handset | Trouble- shooting | Glossary |
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|--|--------|--------------------|-------------------------|-----------------------|-------------------------|---------------------------|-------|----------------------|----------------------|----------|

4. Highlight TCP/IP by clicking on it one time, then click on Properties.

| etwork ? | |
|---|--|
| Configuration dentification Access Control | |
| The following network components are installed: | |
| ARBIS TOUCHSTONE DEVICE | |
| Bial-Up Adapter | |
| TCP/IP -> 3Com 3C918 Integrated Fast Ethernet Controlle | |
| Y TCP/IP → ARRIS TOUCHSTONE DEVICE | |
| 🍹 TCP/IP -> Dial-Up Adapter 📃 🔽 | |
| | |
| | |
| Add Remove Properties | |
| | |
| Primary Network Logon: | |
| Client for Microsoft Networks | |
| Eile and Print Sharing | |
| Description TCP/IP is the protocol you use to connect to the Internet and wide-area networks. | |
| | |
| | |
| OK Cancel | |

5. Click the **IP Address** tab, then click **OK**.

| TCP/IP Properties | ?× | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|
| Bindings Advanced | NetBIOS | | | | | | | | |
| DNS Configuration Gateway WINS Confi | guration IP Address | | | | | | | | |
| An IP address can be automatically assigne If your network does not automatically assign your network administrator for an address, ar the space below. | d to this computer. n IP addresses, ask nd then type it in | | | | | | | | |
| Detain an IP address automatically Specify an IP address: | | | | | | | | | |
| Contractions and address. | | | | | | | | | |
| JP Address: | | | | | | | | | |
| S <u>u</u> bnet Mask: | | | | | | | | | |
| Detect connection to network media | | | | | | | | | |
| 0K | Cancel | | | | | | | | |



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|--------|--------------------|-------------------------|-----------------------|--------------|------------------|--|-----------------------------|------------------------|----------------------|-----------------|
| | | | | 6. | Click windo | OK to accept the ow. | new settings | s, and OK again | n to close the | Configuration |
| | | | | 7. | You n new I | nay have to restar IP address from th | t your compu ne network. | uter in order fo | r your comput | ter to obtain a |

-end-



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|--------|--------------------|-------------------------|-----------------------|------------------------------------|--|------------------------------------|------------------------------------|-----------------------------|------------------|
| | | | | TCP/IF Follow the tem. | • Configuration ese steps to confi | on for Wii gure the TCP | ndows XP VIP settings on | a Windows XP | operating sys- |
| | | | | NOTE: D in | ialog boxes show this procedure. | n on your coi | mputer may dif | fer slightly froi | n those shown |
| | | | | 1. From on th | n the computer, s ne Network Con | elect Start > nections icc | Settings > Co on in the Contro | ontrol Panel a ol Panel. | nd double click |
| | | | | Click Netw | the Configura vork Adapters. | t ion tab in | the Network w | vindow to disp | play the list of |
| | | | | | Loca Genera | Area Connection 2 Status | ?× | | |
| | | | | | St St St | nection itus: ation: ted: | Connected 00:03:21 12:0 Mbps | | |
| | | | | | Act | rity Sent — 🥘 | - Received 43.986 | | |



<u>Properties</u> <u>D</u>isable

<u>C</u>lose

| Safety | Getting Started | Battery Installation | Modem Installation | Handset Installation | Ethernet Configuration | Usage | About the Handset | Trouble- shooting | Glossary |
|--------|--------------------|-------------------------|-----------------------|-------------------------|---------------------------|-------|----------------------|----------------------|----------|
| | | | | | | | | | |

3. Highlight TCP/IP by clicking on it one time, then click on Properties.

| 🗕 Local Area Connection 2 Properties 🛛 🔹 💽 |
|--|
| General Authentication Advanced |
| Connect using: |
| ARRIS TOUCHSTONE DEVICE |
| Configure |
| B. Client for Microsoft Networks B. Client for Microsoft Networks B. File and Printer Sharing for Microsoft Networks B. 0o5 Packet Scheduler Thermet Protocol (TCP/IP) |
| Install Uninstall Properties |
| Description |
| Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks. |
| Show icon in notification area when connected |
| OK Cancel |

4. Click the IP Address tab, click Obtain an IP address automatically, then click OK.

| eneral Alternate Configuration | | | | | | | | | |
|---|-------------------|--|--|--|--|--|--|--|--|
| You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings. | | | | | | | | | |
| Dtain an IP address automatically | | | | | | | | | |
| OUse the following IP addres | s: | | | | | | | | |
| IP address: | | | | | | | | | |
| Sybnet mask: | | | | | | | | | |
| Default gateway: | | | | | | | | | |
| Obtain DNS server address automatically | | | | | | | | | |
| OUse the following DNS serv | er addresses: | | | | | | | | |
| Preferred DNS server: | | | | | | | | | |
| Alternate DNS server: | | | | | | | | | |
| | Ad <u>v</u> anced | | | | | | | | |
| | OK Cancel | | | | | | | | |



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|--------|--------------------|-------------------------|-----------------------|--------------|-----------------|-------------------------------|-----------------|----------------------|----------------------|---------------|
| | | | | 5. | Click windo | OK to accept th ow. | ne new settings | s, and OK aga | ain to close the | Configuration |
| | | | | - | | | | | c | |

6. You may have to restart your computer in order for your computer to obtain a new IP address from the network.



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| | | | | | | | | | |

TCP/IP Configuration for Windows Vista

Follow these steps to configure the Ethernet interface for use with Touchstone products.

1. Open the Vista Control Panel.

| Control Par | el + | • 49 Search | |
|--------------|---|---|--|
| | Mana | Channe | |
| | it i del la della | Category | |
| Classic View | Add Hardware | Hardware and Sound | |
| | Administrative Loois | system and Maintenance | |
| | Re AutoPlay | Hardware and Sound | |
| | Broad and the Drive Center | system and maintenance | |
| | Color Management | Securey Markener and Frank | |
| | Date and Time | Planoware and Sound | |
| | Date and Time | Crock, Language, and Negron | |
| | Device Magazine | Programs | |
| | an Device Manager | Haroware and sound; system and maintenance | |
| | Easte of Access Center | Lase of Access, Appearance and Personalization | |
| | Foider Options | Appearance and Personalization | |
| | Controller | Hardware and Stored | |
| | A Indexing Options | Suttern and Maintenance | |
| | Claterant Options | National and International | |
| | S SC 1 bilistor | Sustant and Maintenance | |
| | Concernation | system and maintenance | |
| | a Mayoard | Hardware and Sound | |
| | Thouse | Plaroware and sound | |
| | Politics Elec | Network and Internet | |
| | A Bee and least Devices Check netw | ork status, change network settings and set preferences for | |
| | 2. Pen and input Devices sharing files | and printers. | |
| | People room not Dedocmana information and Teals | Curtage and Maintenance | |
| | Remendiation | Annual and Research Markens and Found | |
| | Personal Meders Cations | Hardware and Ferend | |
| | Revers Onting | Hardware and Sound Custom and Maintenance | |
| | Power Options | Hardware and Sound, system and Maintenance | |
| | Rechtern Records and Salutions | Francoware and Molecterance | |
| | Problem Reports and Solutions | System and Maintenance | |
| | Es Programs and Pentures | Clock Language and Bankan | |
| | Scanner and Campage Options | Manhana and Sound | |
| | Security Canter | Consider | |
| | Security Center | Machine and Found | |
| | A South Personition Options | Franciska and Johnson | |
| | Speech Recognition Options | Additional Options: Naturals and Internat: Security | |
| | Suns Canter | National and Internal | |
| | Sync Contro | further and Maintenance | |
| | Tablet DC Sattioner | Hadvara and Sound | |
| | Tablet PC Seconds | Haroware and Down and Tradient | |
| | Tasta Speech | Hardware and Ferred | |
| | R ther Accounts | Herowere and sound | |
| | Way 22-bit Control Danel Bener | Additional Options | |
| | B Welcome Center | further and Maintenance | |
| | Wedner Carllence | like Accounts | |
| | Mi Windows Defender | Browner Security | |
| | Windows Erevall | National and International Consults | |
| | Windows Cidebar Properties | Annexance and Personalization: Programs | |
| | windows sideoar Properties | Appearance and Personanzation; Programs | |
| | a station of the set of the second | Manufacture and Forces & Parameters | |



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| | | | | | | | | | |

2. Double-click Network and Sharing Center.





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|--------|--------------------|-------------------------|-----------------------|-------------------------|---------------------------|-------|----------------------|----------------------|----------|

3. Click **Manage network connections**. If prompted for a connection, choose **Local Area Connection**.





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| | | | | | | | | | |

4. Double-click the Local Area Connection to open the Status window:



- 5. If Windows requests permission to continue, click **Continue**.
- 6. Click Properties.



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| | | | | | | | | | |

7. Double-click Internet Protocol Version 4 (TCP/IPv4).

| General | | |
|-------------------------|---------------------------------------|--------------------------------|
| Connection - | | |
| IPv4 Conne | ctivity: | Internet |
| IPv6 Conne | ctivity: | Limited |
| Media State | : | Enabled |
| Duration: | | 6 days 21:33:38 |
| Speed: | | 10.0 Mbps |
| | · | |
| Activity — | <u></u> | |
| Activity — | Sent — | — Received |
| Activity —— Packets: | Sent — | — Received 37,460 |
| Activity — Packets: | Sent — 36,255 3 (@Disable) [[| Received 37,460 Jiagnose |

- 8. Select Obtain an IP address automatically and Obtain DNS server address automatically, unless instructed otherwise by your cable provider.
- 9. Click **OK** to close the Properties windows.



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| | | | | | | | | | |

TCP/IP Configuration for MacOS X

Follow these steps to configure the Ethernet interface for use with Touchstone products.

1. Open System Preferences, either by choosing **System Preferences** from the Apple menu or by clicking the **System Preferences** icon in the dock.

| | | Sy | stem Prefere | nces | | |
|-------------|-----------------------|---------------------------|-----------------|---------------------|---------------------|-----------|
| • • | Show All | | | | Q | |
| Personal | | | | | | |
| File New | | | | 3 | Ô | Q |
| Appearance | Dashboard & Exposé | Desktop & Screen Saver | Dock | International | Security | Spotlight |
| Hardware | | | | | | |
| 8 | 0 | | | 9 | | ۵ |
| Bluetooth | CDs & DVDs | Displays | Energy Saver | Keyboard & Mouse | Print & Fax | Sound |
| Internet & | Network | | | | | |
| | | Ø | 1 | | | |
| .Mac | Network | QuickTime | Sharing | | | |
| System | | | | | | |
| 11 | A | () | 8 | 2 | | |
| Accounts | Date & Time | Software Update | Speech | Startup Disk | Universal Access | |
| Other | | | | | | |
| | WMV | Ż | 2 | | | |
| DivX | Flip4Mac WMV | Growl | PowerMate | | | |



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|--------|--------------------|-------------------------|-----------------------|-------------------------|---------------------------|--|---|-------------------------------------|----------|
| | | | | 2. Click | the Network icc | on. | | | |
| | | | | | Show All | 2 | Network | Q | |
| | | | | | | Location: Autor | natic | • | |
| | | | | | | Show: Netwo | ork Status | • | |
| | | | | | e Built-in Eth | Built-in Et ernet 10.5.30.19 Ethernet. | hernet is currently active and has 30. You are connected to the inte | the IP address rnet via Built-in | |
| | | | | | ⊖ AirPort | AirPort is o | connected to the network crushb | one. | |
| | | | | | 😑 Bluetooth | Bluetooth to dial wap | is configured, but is not connecto o.cingular. | ed. Bluetooth is set up | |
| | | | | | ● VPN (L2TP) | VPN (L2TP |) is configured, but is not connec | ted. | |
| | | | | | | | | | |
| | | | | | | Configure | e) Connect) | ? |) |
| | | | | | Click the lock t | to prevent further ch | anges. Assist n | ne) (Apply Now |) |



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|--------|--------------------|-------------------------|-----------------------|-------------------------|----------------------------------|-------------------------|----------------------------|----------------------|---------------------|
| | | | | 3. Choos Ether | se Automatic rnet from the Sh | from the now drop-de | Location drop own menu. | -down menu, | and Built-in |
| | | | | | Show All |] | Network | Q | |
| | | | | | | Location: Autor | natic | : | |
| | | | | | | CP/IP PPPoE | AppleTalk Proxies E | thernet | 1 |
| | | | | | Configure IPv | 4: Using DHCP s: | • | Renew DHCP Lease | |
| | | | | | Subnet Mas Route | k: :r: | DHCP Client ID: | (If required) | |
| | | | | | DNS Server | s: | | (Optional) | |
| | | | | | Search Domain IPv6 Addres | s: | | (Optional) | |
| | | | | | | Configure IPv | 6 | ? | |
| | | | | | 0 | | | | |

- 4. Choose the **TCP/IP** tab, if necessary.
- 5. Choose **Using DHCP** from the Configure IPv4 menu.

Click the lock to prevent further changes.

Assist me...

Apply Now

- 6. If necessary, click the **Renew DHCP Lease** button.
- 7. Close the System Properties application.



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| | | | | | | | | | |

Using the Telephony Modem

This chapter describes the controls and features available on the Touchstone Telephony Modem, and covers basic troubleshooting procedures.

- Setting up Your Computer to Use the Telephony Modem
- Indicator Lights for the DTM602G Models
- Using the Reset Button

Remote software upgrades: Occasionally, we may send upgrades and enhancements to your phone over the Internet. The upgrade starts at 2 a.m local time; during the upgrade process, your phone cannot make or receive calls for about five minutes. A software upgrade does not interfere with an active call.

Setting up Your Computer to Use the Telephony Modem

Follow the instructions in the information packet supplied by your cable company. Contact your cable company if you need help setting up your computer.



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|--|--|-------------------------|--|--|---|---|---|---|--|
| 0000 0000 0000 0000 0000 0000 0000 0000 0000 | Power DS US Online Link Telephone 1 Telephone 2 Battery VMWI Info HS Registration | | Indicator The Touchston Battery Miss If the Teleph tery is income described in Wiring Prob If the Teleph the telephon sired voltage phone lines to Indicator L The following | Lights for one Telephony match ony Modem a patible with th Battery Insta olems ony Modem fla e wiring — the e on the lines. from the Telep ights: Norma | the DTM602 Modem has elev Iternates flashing ne Telephony Mod llation and Replac ashes all its lights e red and green w If this pattern p phony Modem, the al Operation light patterns du | G Models en indicator the Battery lem. Remove cement. for more that vires may be vires may be versists for n en call a wiri | lights to assist light and all of the battery ar an 10 seconds, shorted (touch hore than 10 se ing technician f | in troubleshoo ther lights, the id install one o this indicates a ning), or there econds, discor or assistance. | oting. installed bat- of the batteries a problem with may be unde- nect the tele- |

| Mode | Power | DS | US | Online | Link | Telephone 1/2 | Battery | VMWI | Info | HS Registration |
|-------------------------------------|-------|---|---|---|--|---|--|---|---|---------------------------|
| AC Power Good | On | On = Connected to the Internet Flash = Not connected to the Internet | On = Connected to the Internet Flash = Not connected to the Internet | On = Internet Available Off = Internet not available | On = Computer Connected Off = Computer not connected Flash = Computer Activity | On = On-hook Flash = Off-hook Off = disabled | On = Battery good or low Off = Battery missing or MTA not registered Flash = Battery bad | Flash = There is a new voicemail. | On = Info service available Flash = Connecting to Info service. | Flash = Registering HS |
| No AC Power Battery Installed | Flash | Off | Off | Off | Off | On = On-hook Flash = Off-hook Off = disabled | Off = Battery power Flash = Battery bad or low | Off = There is no new voicemail. | Off = Info service not available | Off |
| No AC Power No Battery | Off | Off | Off | Off | Off | Off | Off | Off | Off | Off |
| Firmware Upgrade | On | Flash | Flash | On | (normal operation) | (normal operation) | (normal operation) | (normal operation) | (normal operation) | (normal operation) |

| Safety | Getting Started | Battery Installation | Modem Installation | Handset Installation C | Etherne Configura | et tion | Usage | About th Handse | ne Trouble- et shooting Glossary |
|--------|--------------------|-------------------------|-----------------------|---|---|--|---|---|--|
| | | | | Indicator The followin of the startu the cable m | Lights Ig table sl Ip sequen odem pha | S: Start hows the ice. There ase. Both | up Se e Teleph e are tw n are out | quence ony Modem o phases of s tlined below. | light patterns during each phase startup; the Telephony phase and |
| | | | | Power, DS, US | Power, Telephone Batter | | Battery | Description | |
| | | | | Online | | 1 | 2 | Lattory | Description |
| | | | | Off | Off | Off | Off | Off | No power to Cable Modem |
| | | | | Flash | Flash | Flash | Flash | Flash | Power-on Self Test |
| | | | | | | See "Cable | e Modem | Start Up Seq | uence" Below |
| | | | | On | On | Flash | Off | Off | Retrieving telephone network information |
| | | | | On | On | Off | Flash | Off | Retrieving telephone line information |
| | | | | On | On | Flash | Flash | Off | Activating telephone service |
| | | | | Cable Mode | em Start | Up Seq | uence | · | |
| | | | | | 211 | Onlin | 10 | Link | Description |

| DS | US | Online | Link | Description |
|-------|-------|--------|------|---|
| Flash | Off | Off | Off | Downstream search |
| On | Flash | Off | Off | Downstream found; upstream search |
| On | On | Flash | Off | Downstream and Upstream found; retrieving setup information from cable operator |



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|--------|--|-------------------------|-----------------------|--|---|--|---|--|--|
| |) p°s Ethernet 10/100 | | | Using tl Use the R as if you p are having Use a poin the locatic The Reset | he Reset But eset button, on the ower cycled the up problems connected ted non-metalling on of the Reset b t button is recess | ton the back of unit. You ma cting to the c object to p utton. ed to preve | the Telephony by need to reset Internet. Using press this buttor nt accidental re | Modem, to res the Telephony this button w n. The photo to esets. | et the modem Modem if you ill be rare. the left shows |

Reset button







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| | | | | | • • | | | | |





| Menu |
|---|
| Address Book Ringer Tones Time Phone Settings Call Log Registration Settings Handset ID 1 |
| Back |

Making a Call

- To make a standard telephone call, press [™] and then dial the number. If you want to use the speakerphone, press **■**) and then dial the number.

Receive a Call

When the telephone is ringing, press sor the Answer softkey to answer the call. Press () if you want to answer using the speakerphone.

End a Call

• Press **OFF** to end a call.

Use Standard Telephone Functions

- 1. From the idle screen, press the Menu softkey to enter the telephone feature menu.
- 3. Press **OFF** to exit the telephone feature menu.
- **NOTE:** See the Handset User Guide in the same CD for more instructions on using the feature menu.



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|--------|--------------------|-------------------------|-----------------------|--|--|--|---|--|--|--|
| | | | | Operat | ing Range | of the D | ECT Hand | lset | | |
| | | | | The DECT handset operates at the maximum power level allowed by the Fede Communications Commission (FCC). The operating range can vary based on t location of the Telephony Modem and handset, weather conditions, and the lay of your home or office. | | | | | | |
| | | | | When the handset di and registr possible i | handset is out of rectory, and cert ration, but not th f you try to acces | range, it dis ain parts of e time or ba ss disabled f | splays Searchi the menu syste ise settings. Th functions. | ng . You can a em such as ha le handset disj | ccess the ndset settings plays Not | |
| | | | | When the I the connec also result base. | handset is out of ction may be nois in noise or drop | range, it ma y or drop. Mo ping the call | y not recognize oving out of rar . To improve re | e an incoming on a an incoming on a second sec | call; if it rings, active call may e closer to the | |
| | | | | | | | | | | |

Maintenance of Cordless Handset

Your cordless telephone contains sophisticated electronic parts, so it must be treated with care. Save the original packing materials to protect your telephone if you ever need to ship it to a repair center.

Avoid Rough Treatment

Place the handset down gently. Avoid dropping the handset or leaving it where it could be damaged.

Avoid Water

Your handset can be damaged if it gets wet. Do not use the handset outdoors in the rain, or handle it with wet hands. Do not install the Telephony Modem or handset near a sink, bathtub or shower.

Remember that electrical appliances can cause serious injury if used when you are wet or standing in water. If your telephone base should fall into water, **do not** retrieve it until you unplug the power cord and telephone line cords from the wall. Then pull the unit out of the water by the unplugged cords.



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|--------|--------------------|-------------------------|-----------------------|--|---|--|---|--|---|--|
| | | | | Electrical Electrical own safety storms. | I Storms storms can cause y, use caution wh | power surge en using the | es harmful to ele handset or oth | ectronic equipr er electric app | ment. For your liances during | |
| | | | | Cleaning Your Telephone Clean the handset only with a soft cloth slightly dampened with water or a mild soap. Do not use excess water or cleaning solvents of any kind. | | | | | | |
| | | | | Cordle | ss Telepho | ne Cons | ideration | 5 | | |
| | | | | The same limitations | features that ma | ke a cordles | s telephone co | nvenient creat | te some | |
| | | | | Privacy : handset b intercepte this reaso private as | Telephone calls a y radio waves, so d by radio receivi n, you should not those on corded | re transmitt there is a p ng equipme t think of cou telephones. | ed between the possibility that y nt within range rdless telephon | e base and the your conversa of the cordles e conversatior | cordless tions could be s handset. For ns as being as | |
| | | | | Electrical a working switch. Fr life. | I Power: The Tele electrical outlet. equent loss of po | ephony Mode The electric wer to the T | em and handse al outlet should elephony Mode | t base must be I not be contro m reduces bac | e connected to blied by a wall ckup battery | |
| | | | | Potential that may interferen TV or VCR farther aw | TV Interference cause interference ce, do not place t t. If interference i vay from the TV c | e: Some con e to television he Telephon s experience or VCR to rec | rdless telephon ons and VCRs. y Modem or the ed, move the h duce or elimina | es operate at To minimize or handset near andset or Tele te the interfer | frequencies prevent such or on top of a phony Modem ence. | |
| | | | | Recharge | eable Batteries: | The Telepho | ony Modem cor | ntains a Lithiur | n-Ion | |

Rechargeable Batteries: The Telephony Modem contains a Lithium-Ion rechargeable battery. The handset contains a Nickel-Metal Hydride rechargeable battery. Exercise care in handling batteries to avoid shorting the battery with conducting material such as rings, bracelets, and keys. The battery or conductor may overheat and cause harm. Observe proper polarity between the battery and the battery charger.

Recycle all batteries. Do not burn or puncture. Any battery, if burned or punctured, could release caustic material which can cause injury.



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| | | | | Trou | bleshoot | ing | | | |
| | | | | Proble | ms and Soluti | ons | | | |
| | | | | The Tele Cł er | phony modem i neck all power co nds? | s plugged in nnections. Is | h, but the Pov the power co | wer light is o ord plugged in | ff. firmly at both |
| | | | | lf sv | you plugged the vitched on. | power cord | into a power | strip, make su | ure the strip is |
| | | | | Av | void using an outle | et controlled | by a wall swite | ch, if possible. | |
| | | | | Cł | neck the outlet by | plugging in | another device | e (such as a la | mp). |
| | | | | Fi | nally, check the fu | ise or circuit | breaker panel. | | |
| | | | | I'm not It po Al to | getting on the I may take over 3 ower up your Telep ways leave your T the cable system | nternet. 0 minutes to phony Moden Telephony Mo | o establish a c n, especially w dem plugged i | onnection the hen many pec nto AC power | first time you ople are online. and connected |
| | | | | Cł | neck the front par | nel lights: | | | |
| | | | | | • The Power | and Online I | ights should be | e on. | |
| | | | | | The Link light | ht should be | either on or bl | inking. | |
| | | | | | If the Powe company for | r light blinks assistance. | for more thar | n 30 minutes, | call your cable |
| | | | | Cf cc ca yc ou th | neck your cable co <u>ax cable</u> should n use a break or sh ou have one or m utlet, remove the e outlet. | onnections. C ot be pinched ort in the ca ore splitters splitters and | onnectors sho d, kinked, or be ble (you may f between the connect the T | uld be finger-t ent sharply—ar nave to replace Telephony Moo Telephony Moo | ight. The ny of these can e the cable). If dem and CATV dem directly to |
| | | | | Pr | oceed to the <u>Conf</u> | figuring Your | Ethernet Conr | nection if neces | ssary. |



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| | | | | l'm not g lf | getting on the I you are using a h | nternet. hub, is the hu | b turned on? | | | | | |
| | | | | Ar dir hu | e you using the r rect connection to b or home router | right type of <u>l</u> a computer; : | Ethernet Cable use a cross-o | ? Use the sup ver cable for c | plied cable for onnection to a | | | |
| | | | | Pro | Press the Reset button on the back of the Telephony Modem. | | | | | | | |
| | | | | I can get ∣f ble mi ne | t on the Interne the Web site you e servicing all the nutes and try ag ction speed. | et, but every are visiting is requests. If o ain. Usage d | r thing is slow very popular, t other sites dow uring peak hou | hat site may b nload quickly, urs may also a | e having trou- wait for a few affect the con- | | | |
| | | | | lf : dir do | your Telephony M ectly or through wn your connecti | odem is conn a firewall, ot on. | ected to a LAN her communic | (Local Area Ne ations on the | etwork), either LAN may slow | | | |
| | | | | To <u>ht</u> i | test your networ tp://reviews.cnet | k speed, try a .com/Bandwi | an online test : dth_meter/700 | such as 04-7254_7-0.h | <u>ntml</u> | | | |
| | | | | I have to | wo computers o | connected to | o the Telepho | ony Modem, | but only one | | | |
| | | | | Ch pu | eck your cable co ter to connect di | mpany's tern rectly to the T | ns of service: tl Telephony Mod | hey may allow em. | only one com- | | | |
| | | | | I don't h In tel co ide | ave dial tone w order for teleph ephone service n nfigured on your entifying the sour | then I pick u one service t nust have bee Telephony M ce of the prol | ip my phone, to be functiona en purchased fi lodem. The fo blem. | why? al on the Telep rom the service llowing steps | phony Modem, e provider and should help in | | | |
| | | | | • | s the Power LED | lit? | | | | | | |
| | | | | | If not, check the outlet has | k to make sur as power. | re the Telepho | ny Modem is p | lugged in and | | | |
| | | | | | – If the LED is | lit, go to the | next step. | | | | | |
| | | | | • | s the handset pro | operly installe | ed and fully ch | arged? | | | | |



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| | | | | • Is th Tele | ne handset wit phony Modem | hin range of and try aga | f the Telephony in. | / Modem? Mov | ve close to the |
| | | | | • Is th | ne Online LED | lit? | | | |
| | | | | - | If not, check wall. Ensure have dial ton | the coax co they are con e, contact ye | nnection at the nected and tigh our service pro | e Telephony M nt. If they are a vider. | lodem and the and you do not |
| | | | | - | If the Online | LED is lit, go | o to the next st | tep. | |
| | | | | • Is th | ne Telephone (| Telephone 1 | or Telephone 2 | 2) LED lit? | |
| | | | | - | lf not, phone your service | e service has provider. | not been prov | isioned on tha | t line. Contact |
| | | | | - | If it is blinkir Find that pho | ng, there is a one and hang | a phone off hoo g it up. | ok somewhere | in the house. |
| | | | | - | If it is lit, go | to the next : | step | | |
| | | | | • If yo Tele | ou are using ar phony Modem | n external pł ? | none, is the pho | one plugged d | irectly into the |
| | | | | - | Make sure th lephony Mode | e phone is p em labeled " | lugged into the Tel 1/2" (DTM | e port on the t 502G). | back of the Te- |
| | | | | _ | If so, try a d phone. | ifferent pho | ne. Make sure | the new phon | e is a working |
| | | | | - | If a known go a different ph tone, call you | ood phone is none cable. I ur service pr | s used and you f a new phone ovider. | still don't have and cable do r | e dial tone, try not restore dial |
| | | | | • Is th | ne Telephony N | lodem plugg | jed into a wall | outlet? | |
| | | | | _ | If so, unplug and plug in a problem is w wiring techni dial tone, cor | the RJ-11 c known wor rith the hous cian to corre ntact your se | onnector at the king phone. If se wiring. Cont ect the house w ervice provider. | e back of the ⁻ you now have act your MSO iring. If you st | Telephony Port dial tone, the or a qualified ill do not have |
| | | | | | | | | | |



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| | | | | Glos | sary | | | | |
| | | | | The follo | wing is a list of cor | nmon cable a | and networking | g terms. | |
| | | | | Amp-ho A ຣເ | ur (Ah) measure of batter upply one Ampere | y capacity. Fo | or example, a r one hour. | 1.0Ah battery | can nominally |
| | | | | Categor A tio | y 5 (Cat5) high-quality type ons. When purchas | of cable, us sing Ethernet | ed for Fast Ef cables, alway | thernet (100B s look for Cate | aseT) connec- egory 5 cable. |
| | | | | Coaxial A th m | cable (coax) thin round cable u he cable TV systen hany discount store | sed to conne n. You can b es. | ct your televis uy coax from | ion and Teleph any electronic | ony Modem to s retailer and |
| | | | | CPE CI th | ustomer Premise E ne telephony mode | Equipment. T m; typically a | his is the equi a computer, hu | ipment that is ub, or router. | plugged in to |
| | | | | Cross-o v Ai tc m | ver n Ethernet cable us ogether. Also, some ore ports (which e | sed to conne e Ethernet hu liminates the | ct two hubs (o ibs may have a need for a cr | r a hub and a built-in cross-coss-over cable | cable modem) over on one or). |
| | | | | DECT D te cc w | igital Enhanced C elephones. DECT c ordless phones, so ireless LANs (WiFi) | ordless Telec operates on it does not ir | communicatior a different fre nterfere with o | ns. A standard equency band ther cordless p | d for portable from 2.4GHz phones or with |
| | | | | DHCP D ad de fig | ynamic Host Confi ddress and locatio evice connecting to gure your compute | guration Prot on of service o the networl er's networkir | ocol. An IP pr s (such as DI <. DHCP allows ng software for | otocol used to NS and TFTP) s the cable cor ⁻ you. | provide an IP needed by a npany to con- |



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|--------|--------------------|-------------------------|-----------------------|----------------------------------|---|--|---|--|----------------------------------|
| | | | | DNS D na | omain Name Serv ame (such as <u>www</u> | ice (Server) .example.co | . An IP servic m) with an IP a | e that associa address. | ates a domain |
| | | | | Downst Ir Se | ream 1 an HFC network 2me older cable do | , the directi cumentation | on from the h may refer to t | nead-end to t this as the form | he subscriber. ward path. |
| | | | | DOCSIS D da | ata Over Cable Sys ards used for data | stem Interfa communicat | ce Specificatio ions equipmen | n. The interop t on an HFC ne | perability stan- etwork. |
| | | | | EMTA Ei W | mbedded Multimed ith a cable modem | lia Terminal | Adapter. An M | TA device tha | t is integrated |
| | | | | Etherne A N | t standard method o etwork (LAN). | of connecting | g two or more | computers int | o a Local Area |
| | | | | Event Ai | n informational me | ssage used f | or monitoring | network statu | IS. |
| | | | | F-conne TI F- co | ctor he type of connector connector, slip-on onnecting your Tele | or used on co and screw-co phony Mode | ວax cable. The ກ. Use coax ທ m. | re are two cor /ith screw-on (| nmon types of connectors for |
| | | | | Gatewa : TI of | y ne device, usually a :her IP subnets. | a router, tha | t connects dev | rices on a give | n IP subnet to |
| | | | | Headen Ti da se | d he "central office" i ata equipment. In l »veral "remote" hea | n an HFC nei larger cable adends to pr | twork. The hea networks, a "n ovide distribut | idend houses k naster" headei ed services. | ooth video and nd often feeds |
| | | | | HTTP | yperText Transfer F | rotocol. | | | |



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| | | | | Hub A I col | box with several ntact for all conne | Ethernet cor | nnectors. Hubs | provide a cor | nmon point of |
| | | | | IP addre A r tify | e ss number assigned ⁻ y your computer t | to your comp o other syste | outer by your c ems on the Int | cable company ernet. | , used to iden- |
| | | | | ISDN Int vic | tegrated Services des communicatio | Digital Netw n speeds abo | vork. A digital t out twice as fa | telephony stan st as standard | dard that pro- dialup. |
| | | | | LAN Lo (su | cal Area Network uch as a building) | . A network to communi | that allows co cate with one a | mputers in a another. | single location |
| | | | | LED Lig is | ght Emitting Diode passed through it | e. A semi-cor | nductor diode t | hat emits light | t when current |
| | | | | MAC add A r cal aco of | ress number that uniqu ble company use cess to the Intern your Telephony M | uely identifie s your Telep et. The MAC lodem. | es any device c phony Modem's address is prin | onnected to a s MAC addres ited on a label | network. Your s to authorize on the bottom |
| | | | | Protocol A s ne | set of rules and fo | ormats that of a given layer | determines the | e communicati | on behavior of |
| | | | | Proxy A o sit bu pro tho in | device or program e) and a client (y Irden from the ser oxy that keeps co ose pages instead faster page loadir | n that stands your browser over. For examples opies of pop of fetching ng and less r | s in between a c), providing a mple, your cab oular web page them directly network conges | e server (for ex way to reliev le company m es; the proxy from the web stion. | cample, a web e some of the ay have a web can send you site, resulting |



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| | | | | RF | | | | | |
| | | | | A Ca | bbreviation for Ra able" and the conr | adio Frequer nectors as "R | ncy. Some litera RF connectors." | ature refers t | o coax as "RF |
| | | | | RJ-11 A co | standard 4-pin m | nodular conn nes. | ector, commonl | y used in Nor | th America for |
| | | | | RJ-45 | | | | | |
| | | | | A R. | standard 6-pin m J-45 connector loo | odular conne oks like a wie | ector, commonly de RJ-11 (telepi | y used on Ethe none) connect | ernet cable. An or. |
| | | | | Splitter | | | | | |
| | | | | A m th fr | small box with th hay need a splitten hat you want to u om any electronic | nree cable co r if you have use for your s retailer and | onnectors: one a TV already c Telephony Moo d most discoun | input and two onnected to th dem. You can t stores. | o outputs. You he cable outlet buy a splitter |
| | | | | Switche | d outlet | | | | |
| | | | | A in in | power outlet that itended for lamps ito a switched out | t may be tur 5. Avoid plug let to avoid o | ned on and off gging your com disruptions. | using a wall s nputer or Tele | switch. Usually phony Modem |
| | | | | TCP/IP | | | | | |
| | | | | Tr fa | ransmission Contraction | rol Protocol/ ations acros | Internet Proto s one or more of | col. The prot | ocols used to works. |
| | | | | TDMA | | | | | |
| | | | | Ti m | ime Division Multi nodems for sendin | ple Access. / g upstream (| A method used data with minin | by DOCSIS-c nal interferenc | ompliant cable e. |
| | | | | Upstrea | m | | | | |
| | | | | TI | he path from a su nentation may refe | bscriber dev er to this as t | ice to the heade the return path | end. Some old or reverse pa | ler cable docu- th. |
| | | | | | | | | | |
| | | | | | | | | | |





DTM602G Telephony Modem Setup Guide

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