BLACK BOX®
NETWORK SERVICES

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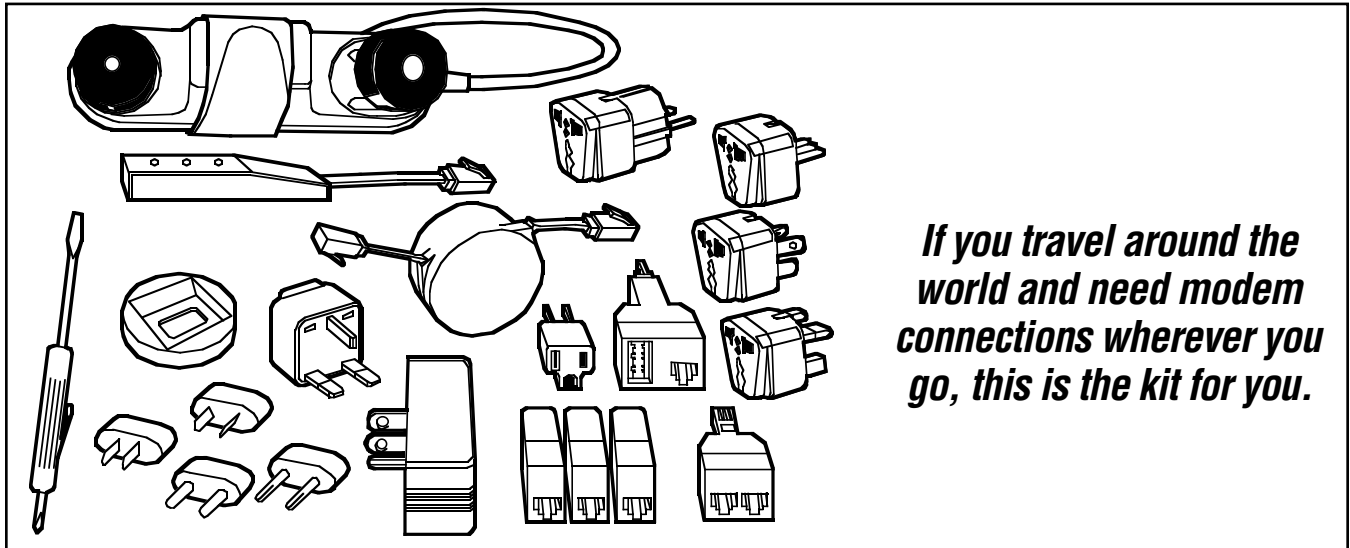
GLOBAL TELECONNECT KIT AND ACCESSORIES

If you travel around the world and need modem connections wherever you go, this is the kit for you.

Connect and communicate worldwide! The Global Teleconnect Kit gives you the power to connect your portable computer, modem, and fax almost anywhere in the world.

The phone/modem adapters connect your portable computer's modem to virtually any telephone—even when no modular phone jack is available. Choose the one that's right for your country. Simply plug the adapter into your computer and attach it to the telephone handset. Your modem does the rest.

A collection of essential connectivity tools and the most popular international power plug adapters offer added versatility. The kit's durable nylon carrying case has a protective pocket for a PCMCIA modem card and room for additional accessories. This kit is a must for today's mobile professional.

For extra worldwide connectivity, you can order the Globe-Trotter Solution Pak. Along with the Global Teleconnect Kit, you'll receive a Megahertz 56K Global GSM & Cellular V.90 Modem PC Card with XJACK in the Pak.

You can also order individual adapters for the countries you frequent. Turn to Page 3 to see which adapters work in what countries and how to order them.

Tools of the Trade

Standard tools and accessories in the Global Teleconnect Kit include:

• A Phillips screwdriver for attaching and removing computer covers and connectors;

• A Modem Defender — a telephone-line tester that you use to protect your modem from unsafe phone lines.

• A retractable RJ-11 cord;

• And a 5-inch (12.7-cm) RJ-11 adapter cord.

Get Direct Access

The kit also includes the Phone Coupler II, a high-speed modem coupler.

With it, the modem in your portable computer can connect to almost any wired-in phone, particularly where no direct access is otherwise available to the phone line. For instance, you can use it at a pay phone or with most cellular phones.

The Phone Coupler II supports modem fax or data transmission at transfer rates up to 14,400 bps, depending on your type of modem and communications software, and line conditions. (Note: Transmission type and transfer rate are set by your modem and communications software, not the coupler.)

During fax and data transmissions, the coupler converts the output signal from your modem into audible tones, which the handset microphone picks up. Similarly, during fax and data reception, the coupler converts audible tones from the handset earpiece into signals that the modem understands.

A helpful three-position slide switch can be adjusted to compensate for varying audio levels on different phone systems around the world.

The coupler, powered by a self-contained 9-volt alkaline battery, comes with its own zippered carrying case.

You also get an AT&T® Merlin handset adapter disc with the coupler. This disk adapts the wedge-shaped handset mouthpiece of the Merlin phones to the coupler's speaker.

13459

Power Adapters

The adapter components in the kit include:

• A Great Britain, Africa, Hong Kong, Singapore Adapter, which accepts 2- or 3-prong power plugs from the U.S. and Europe. It plugs into 3-prong (grounded) power receptacles found in those areas.

• An Europe/Asia/Middle East/Africa Adapter. This plugs into 2-prong power receptacles found in those regions, including parts of Africa and the Caribbean. The adapter accepts 2-prong power receptacles from the U.S. and Great Britain.

• A Great Britain Adapter, which accepts 2-prong power plugs from the U.S. and Europe and plugs into 2-prong power receptacles found in certain areas of Great Britain.

• A North and South America/Caribbean/Japan Adapter. This accepts polarised 2-prong power plugs from the U.S. and other western hemisphere countries. It plugs into non-polarised 2-bladed power receptacles commonly used in North and South America, the Caribbean, and Japan.

• An Australia/New Zealand/Fiji/China Adapter. This adapter accepts 2-prong power plugs from the U.S., Great Britain, and Europe. You can plug it into polarised 2-bladed power receptacles of those Far East counties.

Telephone Adapters

You also get numerous international telephone adapters with the kit:

• A French Modular Adapter;

• A Japan Modem Adapter;

• U.K. Modem/Telephone Adapter;

• An Italy/Turkey Modem Adapter;

• A German F/N (Universal) Modular Adapter;

Plus, you get these:

• A Polarity-Reversing Adapter, which accepts a U.S. RJ-11 modular cord plug at both ends and is used to switch the polarity of the two connectors on each line. It is used with the modem defender to correct the reverse-polarity condition.

• An Inline Adapter. This accepts a U.S. RJ-11 modular cord plug at each end, connecting them together.

• A Line-Switching Adapter, which accepts a U.S RJ-11 modular cord plug at both ends. You use it to switch between the inner pair of wires to the outer pair of wires. In the U.K., the outer pair of wires are sometimes used, while the inner pair isn't connected.

• A U.S.-to-U.K. Modular Adapter (BT-431A Type), which accepts a U.S. RJ-11 modular cord at one end, connecting it to a U.K. BT-431A modular cord plugged into the other end.

• A Modular T-Adapter. This device accepts a U.S. RJ-11 modular receptacle. It provides two jacks so that two U.S. RJ-11 modular cords (telephone and modem) can be simultaneously connected to the same line.

The PC Card

Portable computers aren't just for traveling executives anymore. They're for anyone who needs remote-access connectivity to LAN-based networks and online services.

The Megahertz 56K Global GSM & Cellular V.90 Modem PC Card with XJACK enables you to connect to the Internet or online services, access your corporate LAN remotely, and send or receive faxes or files from virtually anywhere.

It's compatible with the way people work—on the road, at the office, or at home. And, rest assured, the card is designated to make smooth connections when you're on the go.

The card is compatible with most popular notebook PCs. You can also connect it directly to select cellular phones with a Cell Cable (see Ordering Information). Or connect it directly to a standard phone jack via the card's special XJACK® connector. There are no custom cables to carry or lose. The connector simply pops out for you to hook to a standard phone cord, then locks back in for travel.

The cable sensor feature automatically configures the card when switching between cellular and standard phone connections. ETC and MNP® cellular protocols ensure the integrity of data over cellular.

The card also features Digital Line Guard, which protects it from damage if it's accidentally plugged into a digital PBX phone line.

And the card includes data/fax software for Windows, so you can send faxes directly from your laptop.

When you use the card to access the Internet, simply set up an account with an Internet service provider (ISP). Often, the ISP will provide you with all the software you need, and each online service—such as AOL or CompuServe—will distribute its own customised software package. A couple of these packages, along with a DOS/Windows remote-access package and a DOS/Windows communications-software package, are included with your PC card.

What's in the Global Teleconnect Kit:

- **Phone Coupler II**
- **Modem Defender Line Tester**
- **Retractable RJ-11 Cable**
- **5" RJ-11 Adapter Cable**
- **9-volt battery**
- **Screwdriver**
- **Travel Case**
- **Power Plug Adapters:**
  - U.S. to Australia/New Zealand
  - U.S. to Europe/Middle East
  - U.S. to North/South America
  - U.S. to U.K.
  - U.S. to U.K./Africa/Hong Kong

- **Phone/Modem Adapters:**
  - France Modem/Telephone Adapter
  - Germany Universal Adapter
  - Italy/Turkey Modem Adapter
  - Japan Modem Adapter
  - U.K. Modem/Telephone Adapter
  - Modular Inline (U.S.)
  - Modular T (U.S.) Coupler
  - Reversed Modular Inline Coupler
  - Switching RJ-11/RJ-11 Inline Coupler
  - Merlin® Adapter
  - Universal TC2 with Plug

Other countries the kit's phone adapters work in:

The U.S.-to-U.K. Modem/Telephone Adapter can also be used in:

Abu Dhabi, Ajman, American Samoa, Andaman & Nicobar Islands, Andorra, Angola, Anguilla, Antigua and Barbuda, Argentina, Aruba, Australia, Azores, Bahrain, Bahamas, Bangladesh, Barbados, Belarus, Belgium, Belize, Bolivia, Bosnia-Herzegovina, Botswana, Brunei, Cambodia, Canada, Canary Islands, Cayman Islands, Celebes, Channel Islands, Chile, China, Ciskei, Columbia, Corsica, Costa Rica, Cuba, Cyprus, Denmark, Dominica, Dominican Republic, Dubai, Ecuador, Egypt, El Salvador, Eritrea, Falkland Islands, France, Fujairah, Gambia, Germany, Ghana, Gibraltar, Greece, Grenada, Guam, Guatemala, Guernsey, Guinea, Guinea-Bisseau, Guyana, Haiti, Honduras, Hong Kong, Iceland, India, Indonesia, Ireland, Israel, Italy, Jamaica, Japan, Java, Jersey, Jordan, Kalimantan, Kashmir, Kenya, Khmer Republic, South Korea, Kuwait, Laos, Lebanon, Lesotho, Liberia, Libya, Macao, Macedonia, Malawi, Malaysia, Maldives, Malta, Isle of Man, Mauritius, Melilla, Mexico, Micronesia, Montserrat, Mozambique, Myanmar, Nauru, Nepal, Netherlands, New Hebrides, New Zealand, Norway, Oman, Pakistan, Panama, Papau New Guinea, Paraguay, Peru, Philippines, Poland, Portugal, Puerto Rico, Qatar, Romania, Sabah, Saint Kitts and Nevis, Saint Lucia, Saint Vincent and Grenadines, San Marino, Sao Tome e Pricipe, Sarawak, Sardinia, Saudi Arabia, Scotland, Seychelles, Sharjah, Sicily, Sierra Leone, Sinai, Singapore, South Africa, Spain, Sri Lanka, Sudan, Sulawesi, Sumatra, Swaziland, Sweden, Syria, Taiwan, Tanzania, Thailand, Tibet, Tokelau, Transkei, Trinidad and Tobago, Turkey, Turks and Caicos Islands, Uganda, United Arab Emirates, U.K., U.S., Uruguay, Vanuatu, Vietnam, Virgin Islands (both U.S., U.K.), Wales, Walvis Bay, Yemen, Zaire, Zambia, Zanzibar, and Zimbabwe.

The French Adapter can also be used in:

Algeria, Benin, Bhutan, Brazil, Burkina Faso, Cameroon, Chad, Channel Islands, Comoro Islands, Congo, Corsica, Côte D'Ivoire, Czech Republic, Djibouti, Egypt, Equatorial Guinea, France, French Antilles, French Guiana, French Polynesia, Gabon, Gambia, Grenadines, Guadeloupe, Guernsey, Italy, Ivory Coast, Jersey, Kashmir, Leeward Islands, Madagascar, Mali, Martinique, Mauritania, Mauritius, Micronesia, Monaco, Morocco, New Caledonia, Niger, Pakistan, Reunion, Rhodesia, Rwanda, Saint Martin, Saint Pierre and Miquelon, Sardinia, Saudi Arabia, Senegal, Sicily, Sinai, Slovak Republic, Somalia, Syria, Tahiti, Togo, Tunisia, Vietnam, and Wallas and Futuna.

The Italy/Turkey Adapter can also be used in:

Ethiopia, Italy, San Marino, Sardinia, Sicily, and Sudan.

The Japan Adapter can also be used in:

Japan, Okinawa, and Taiwan.

The Germany Adapter can also be used in:

Austria, Germany, and Liechtenstein.

Specifications

Modem Defender:

Current Detection: In excess of 132 mA

Current Limiting: In excess of 145 mA; Surge protection: in excess of 360 V, 1,250 amp, 8/20 µsec between tip and ring lines

High-Frequency Filtering: 12 KHz, 16 KHz

Telephone-Line Support: Most RJ-11 phone lines, including PBX, digital, multi-lines, or single lines

Connectors: RJ-11

Indicators: (3) LEDs: Normal, reversed polarity, overcurrent

Power: From phone line

Size: 1.3"H x 1.4"W x 5"D (3.3 x 3.6 x 12.7 cm)

Phone Coupler II:

Supported Telephone Lines: Rotary or pushbutton with standard or European handset; carbon granular or electronic microphone

Operation: Full or half-duplex

Data/Fax Rate: Up to 14,400 bps using V.42 bis error correction/data compression

Communication Line: Standard telephone lines (PSTN)

Switches: 3-position signal level; allows adjustment for various U.S. and foreign telephones

On/Off Switching: Automatic; power on only during transmission

Connectors: (1) RJ-11 jack to connect to modem

Battery Life: 50+ hours of continuous use

Temperature: Operating: 40 to 100°F (4 to 38°C); Storage: 0 to 150°F (-18 to +66°C)

Power: 9V battery; optional DC adapter for fixed use

Size: 7.7"H x 2"W x 2.2"D (19.6 x 5.1 x 5.6 cm)

Weight: 0.6 lb. (0.3 kg)

Megahertz 56K PC Card:

Compression: V.42 bis and MNP 5

Error Correction: V.42 and MNP 2–4

Fax Standards: V.17 Group III

Modem Standards: ITU: V.34+, V.34, V.33, V.32 bis, V.32, V.23, V.22 bis, V.22, V.21; Bell: 212A, 103

Operating Systems: Windows® 95/98/Me/XP, Windows NT® 4.0, Windows 2000, Mac® OS, DOS, Linux®

Speed (Maximum): Download: 56 kbps; Upload: 33.6 kbps; Fax: 14.4 kbps

Power: From the interface

Individual Power Plug Adapters

When you need specific adapters for use in specific countries, then order one or more of the BLACK BOX® Power Plug Adapters.

The **MC166A**, also included in the Global Teleconnect Kit, is designed for use in the following countries:

Australia, China, Fiji, Iceland, Iraq, Israel, and New Zealand.

The **MC167A** is suited for the following countries:

Afghanistan, Algeria, Angola, Argentina, Austria, Azores, Bahrain, Bangladesh, Belgium, Bolivia, Botswana, Brazil, Bulgaria, Burkina Faso, Burma, Central Africa, Chad, Chile, China, Cyprus, Czech Republic, Democratic Republic of Congo, Denmark, Egypt, Ethiopia, Finland, France, Germany, Ghana, Greece, Greenland, Guinea-Bissau, Guyana, Hungary, Iceland, India, Indonesia, Iraq, Ireland, Israel, Ivory Coast, Jamaica, Jordan, Kenya, Kuwait, Laos, Lebanon, Libya, Macao, Madeira, Majorca Islands, Malawi, Malaysia, Malta, Martinique, Monaco, Morocco, Mozambique, Nepal, Netherland Antilles, Netherlands, Niger, Nigeria, Norway, Oman, Pakistan, Paraguay, Peru, Philippines, Poland, Portugal, Rhodesia, Romania, Russia, Saudi Arabia, Senegal, Slovak Republic, South Africa, Spain, Sudan, Swaziland, Sweden, Syria, Tanzania, Trinidad and Tobago, Tunisia, Turkey, Uganda, U.K., Upper Volta, Uruguay, Vietnam, Yeman, Yugoslavia, Zambia, and Zanzibar.

The **MC168A** is designed to work in:

Algeria, Antigua, Argentina, Bahrain, Bermuda, Canada, Costa Rica, Cyprus, Egypt, Gibraltar, Guyana, Hong Kong, Kenya, Kuwait, Malawi, Malaysia, Malta, Nigeria, Oman, Rhodesia, Saudi Arabia, Singapore, St. Lucia, St. Vincent, Tanzania, Trinidad and Tobago, U.K., Uruguay, Zambia, and Zanzibar.

The **MC169A** works in Italy.

Why Buy From Black Box? Exceptional Value. Exceptional Tech Support. Period.

Recognise any of these situations?

- You wait more than 30 minutes to get through to a vendor's tech support.
- The so-called "tech" can't help you or gives you the wrong answer.
- You don't have a purchase order number and the tech refuses to help you.
- It's 9 p. m. and you need help, but your vendor's tech support line is closed.

According to a survey by Data Communications magazine, 90% of network managers surveyed say that getting the technical support they need is extremely important when choosing a vendor. But even though network managers pay anywhere from 10 to 20% of their overall purchase price for a basic service and support contract, the technical support and service they receive falls far short of their expectations—and certainly isn't worth what they paid.

At Black Box, we guarantee the best value and the best support. You can even consult our Technical Support Experts before you buy if you need help selecting just the right component for your application.

Don't waste time and money—call Black Box today.